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SUMMARY REPORT ON THE INTERNATIONAL COMPARISON OF NEACRP BURNUP BENCHMARK CALCULATIONS FOR HIGH CONVERSION LIGHT WATER REACTOR LATTICES

October 1988

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Summary Report on the International Comparison of NEACRP Burnup Benchmark Calculations for High Conversion Light Water Reactor Lattices

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(Received September 13, 1988)

The results of the NEACRP HCLWR cell burnup benchmark calculations are summarized in this report. Fifteen organizations from eight countries participated in this benchmark and submitted twenty solutions. Large differences are still observed among the calculated values of void reactivities and conversion ratios. These differences are mainly caused from the discrepancies in the reaction rates of U-238, Pu-239 and fission products. The physics problems related to these results are briefly investigated in the report.

In the specialists' meeting on this benchmark calculations held in April 1988, it was recommended to perform continuous energy Monte Carlo calculations in order to obtain reference solutions for design codes. The conclusions resulted from the specialists' meeting are also presented.

Keywords : HCLWR, Cell Burnup Calculation, Benchmark Calculation, NEACRP

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NEACRP 高転換軽水炉格子燃焼国際ベンチマーク計算報告書

日本原子力研究所東海研究所原子炉工学部
秋江拓志・石黒幸雄・高野秀機

（1988年9月13日受理）

このレポートではNEACRP高転換軽水炉格子燃焼ベンチマーク計算のまとめを行う。ベンチマーク計算には8か国15の研究機関より計20通りの計算結果が寄せられた。計算結果間の比較においては，特にボイド反応度や転換比の計算値に大きな差異が見られる。これらの差異の原因は主としてU－238，Pu－239あるいは核分裂生成核種の反応率のばらつきである。これらのベンチマーク計算結果に関連した，いくつかの炉物理上の問題点についても簡単な検討を行う。

本ベンチマーク計算結果を検討するための専門家会合が1988年4月に行なわれ，ベンチマークの参考データを得るために連続エネルギー・モンテカルロ計算を行なうことが提案された。この専門家会合において得られた結論及び勧告についても，ここで紹介する。

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1. INTRODUCTION

Recently much effort has been made for conceptual design of high conversion light water reactors(HCLWRs). All nuclear design efforts have aimed to achieve both high conversion ratio and high burnup. In the mean time, an international comparison of lattice calculations for the PROTEUS-LWHCR experiments has been reviewed by Chawla.[1] Discrepancies among the integral parameters calculated with standard LWR design methods and data sets were reported to be much larger than generally encountered for a LWR lattice. Such large discrepancies have not been observed in benchmarks for either thermal or fast reactor calculations. This means that the HCLWR nuclear designs proposed at those days were based on data and methods with unsatisfactory accuracy.

Taking such circumstances into consideration, a benchmark of tight lattice cell burnup calculation was approved at the 29th meeting of the Nuclear Energy Agency Committee on Reactor Physics (NEACRP), September, 1986.[2] This benchmark aims to extract the problems included in the data and methods, and to accelerate developing activities of the data and methods. The Specification of the benchmark calculation is summarized in APPENDIX I.

A report, summarizing the sixteen preliminary solutions carried out thirteen organizations, was submitted at the 30th NEACRP meeting, September, 1987.[3] In this preliminary report, the discrepancies observed in the benchmark calculation were summarized by intercomparing these solutions. The summary of this preliminary report is attached in APPENDIX II. After the 30th NEACRP meeting, six new results have been submitted to this benchmark calculation and several solutions have been revised. As a result, fifteen organizations from eight countries submitted the twenty sets of benchmark results. In this report the results of the benchmark are summarized, and the physics problems related to these benchmark results are discussed.

In the 30th NEACRP meeting, it was concluded that discussions among the specialists of HCLWRs and cell codes were necessary to clarify the physics problems included in the data and methods for HCLWRs. Therefore it was recommended that a specialists' meeting concerning the results of this benchmark should be held. The conclusions and recommendations resulted from the specialists' meeting are also presented as the conclusions of this report.

2. BENCHMARK SPECIFICATION

Burnup calculations were requested to be made for the infinite hexagonal cell of three region (fuel, cladding and moderator) with moderator/fuel volume ratio (Vm/Vf) of 0.6. Results for the cell of volume ratio of 1.1 were also accepted. Multiplication factors and conversion ratios were required to be calculated at several burnup stages. Furthermore, reaction rates, effective cross sections and atomic number densities were also requested for the specified nuclides.

Further calculations were assigned to be performed for each cell under three different moderator voidage conditions at several burnup stages. Multiplication factors and reaction rates of specified nuclides were requested in these cases. The specification of the benchmark problem is shown in APPENDIX I.

3. PARTICIPANTS

Fifteen organizations from eight countries participated in this benchmark and submitted twenty solutions. A wide variety of data and methods were used by the participants in the present benchmark calculations: The basic nuclear data files were ENDF/B-IV, ENDF/B-V, JEF-1, JENDL-2, KEDAK and WIMS. The neutron spectrum were calculated by the collision probability, Sn transport and Monte Carlo methods. Data and methods used for the submitted results are briefly summarized in APPENDIX III.

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2. BENCHMARK SPECIFICATION

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4. DATA STANDARDIZATION

The participants seem to give effective cross sections with different definitions, presumably because of indistinct benchmark problem specifications. This confusion is concerned with the averaging process over region, and the following three definitions could be seen:

- Fuel region (or for structural nuclides, cladding region) averaged cross section. For the case of fuel nuclides, the cross section in the energy group g is described as

$$\overline{\sigma}_{g,fuel} = \frac{\int_{\Delta Eg}\int_{fuel}\sigma(r,E)\phi(r,E)drdE}{\int_{\Delta Eg}\int_{fuel}\phi(r,E)drdE} \quad .$$

- Cell region averaged cross section. Two different ways of averaging were found. For the fuel nuclides,

$$\overline{\sigma}^{(1)}_{g,cell} = \frac{\int_{\Delta Eg}\int_{fuel}\sigma(r,E)\phi(r,E)drdE}{\int_{\Delta Eg}\int_{cell}\phi(r,E)drdE} \quad ,$$

and

$$\overline{\sigma}^{(2)}_{g,cell} = \frac{1}{\overline{N}_{cell}} \cdot \frac{\int_{\Delta Eg}\int_{cell}N(r)\sigma(r,E)\phi(r,E)drdE}{\int_{\Delta Eg}\int_{cell}\phi(r,E)drdE} = \frac{N_{fuel}}{\overline{N}_{cell}}\overline{\sigma}^{(1)}_{g,cell} \quad ,$$

where $N(r)$ is a number density of the nuclide under consideration. The ratio of fuel region density to cell averaged one, $N_{fuel}/\overline{N}_{cell}$, equals to the volume ratio of cell to fuel, i.e. V_{cell}/V_{fuel}.

For intercomparison of the effective cross sections, the cross sections obtained by the different definitions were converted into those of the third definition, $\overline{\sigma}^{(2)}_{g,cell}$. Here, the averaged cross sections by the second definition, $\overline{\sigma}^{(1)}_{g,cell}$, can be easily converted by multiplying the cell/fuel volumeratio, V_{cell}/V_{fuel}.

On the other hand, the fuel region averaged cross sections, $\overline{\sigma}_{g,fuel}$, are converted as follows: If $\overline{\phi}_{g,fuel}$ and $\overline{\phi}_{g,cell}$ denote the fuel region and cell region averaged fluxes in the energy group g, respectively, $\overline{\sigma}^{(2)}_{g,cell}$ is rewritten as

$$\overline{\sigma}^{(2)}_{g,cell} = \frac{V_{cell}}{V_{fuel}}\overline{\sigma}^{(1)}_{g,cell}$$

$$= \frac{V_{cell}}{V_{fuel}} \bar{\sigma}_{g,fuel} \frac{\int_{\Delta Eg}\int_{fuel} \phi(r,E)drdE}{\int_{\Delta Eg}\int_{cell} \phi(r,E)drdE}$$

$$= \frac{V_{cell}}{V_{fuel}} \bar{\sigma}_{g,fuel} \frac{\bar{\phi}_{g,fuel} V_{fuel}}{\bar{\phi}_{g,cell} V_{cell}}$$

$$= \bar{\sigma}_{g,fuel} \frac{\bar{\phi}_{g,fuel}}{\bar{\phi}_{g,cell}} \quad .$$

That is, the conversion of fuel (or structure) region averaged cross section into the cell averaged cross section can be performed by multiplying the flux ratio of fuel (or structure) to cell. As the fluxes were not given by the participants, those calculated by the SRAC system were used. The ratios of flux are shown in Table 4.1. Except for the thermal energy range (denoted by the group number 3/3), the ratios are almost equal to 1.0. This conversion has been done for the data given by ANSTO, CEA, IKE, MAPI, PSI, TUBS and VA.TECH.

According to the different averaging process of cross sections, the number densities are to be also of the different definition, as described above. The number density in fuel region, N_{fuel}, is used for the present comparison. Reaction rates do not require any conversions, because the number of reaction event occurred in the cell does not depend on the definition of effective cross section.

Table 4.1 The factors to convert fuel or cladding region averaged cross sections into cell region averaged ones

(a) Vm/Vf=0.6

Burnup (GWd/t)	Region	group number 1/3	2/3	3/3	1/1
0	fuel	1.01075	0.98270	0.88217	: 1.00123
	clad	0.99244	1.00657	1.05807	: 0.99726
30	fuel	1.01076	0.98214	0.87831	: 1.00118
50	fuel	1.01079	0.98107	0.87409	: 1.00106

(b) Vm/Vf=1.1

Burnup (GWd/t)	Region	group number 1/3	2/3	3/3	1/1
0	fuel	1.02131	0.97711	0.83427	: 1.00200
	clad	0.99385	1.00267	1.03354	: 0.99780
30	fuel	1.02134	0.97628	0.83115	: 1.00200
50	fuel	1.02139	0.97478	0.83068	: 1.00186

5. SUMMARY OF THE RESULTS

In this chapter, the results of the benchmark calculation are summarized. At first, the dependence of k_∞ and conversion ratio on burnup and coolant void fraction are discussed. In order to explain the differences in k_∞s and conversion ratios, intercomparison between reaction rates of individual nuclides is made.

In the latter sections, burnup or void reactivity change is discussed together with the contributions of each nuclide to the reactivity. The reactivity change from i state to f state can be written as

$$dk/k \simeq ln(k_f/k_i) \quad ,$$

where k_i and k_f are multiplication factors of state i and f, respectively. The contribution of nuclide n to the reactivity is then expressed as

$$dP_n/P - dA_n/A \simeq \Delta P_n/\overline{P} - \Delta A_n/\overline{A} \quad ,$$

where $\overline{P}$ and $\overline{A}$ show the average of the neutron production rate and absorption rate in a cell between i and f states, respectively. The quantities ΔP_n and ΔA_n are the production or absorption rate change of nuclide n from i to f state.

In the final section, group averaged cross sections are compared. Since the participants calculated cross sections with three different definitions, as explained in chapter 4, these cross section data were converted to the cell averaged data by using the factors in Table 4.1.

The results discussed in this chapter are only a part of the contributed results by the participants. All the contributions are tabulated in APPENDIX VI.

5.1 Multiplication factor and conversion ratio

Figures 5.1 and 5.2 show burnup dependence of k_∞, and Table 5.1 shows standard deviations calculated for k_∞ and conversion ratio values. In this table, the maximum discrepancy is also shown in parentheses. As seen from the table, the maximum discrepancy of k_∞ is 3～4% at any time of burnup. If the values of KfK(1985lib.) are removed, which were calculated with older data and method compared with KfK(newest) result, themaximum deviation is about 2.5% at any burnup.

In Figures 5.3 and 5.4, burnup dependence of conversion ratio is shown. The difference in conversion ratio is far larger than that in

k_∞ and becomes up to 9.3% as shown in Table 5.1.

Figures 5.5～5.10 compare dependence of k_∞ on moderator void fraction. The largest difference in k_∞s for the moderator voided cases becomes 6.5% at 0 GWd/t and 90% voided state in the cell of Vm/Vf=1.1.

5.2 Reaction rates at 0% void state

Absorption rates and production rates of major nuclides at 0% void state are compared in Figs.5.11～5.14. The values of k_∞s and conversion ratios are also shown in these figures. Reaction rates of U-238 and Pu-239 are scattered largely and seem to have influence on the deviation of k_∞ and conversion ratio. It is found that there is non-negligible deviation in a few results of Pu-242 absorption rate, which is presumably caused by lack of self-shielding effect of 2.67eV resonance. It will be shown in the section 6.1 that the shielding effect of 2.67eV resonance largely affects the values of k_∞ and void reactivity. This effect is pointed out also in the preliminary report of the benchmark(c.f. APPENDIX II). Production rate of Pu-241 also seem to have some contribution on the deviation of k_∞. Generally speaking, reaction rates of higher actinides such as Am and Cm do not scatter so much as that of fission products.

The situations described above can be seen also from Tables 5.2～5.7. These tables show coefficients of correlation between k_∞ (or conversion ratio) and reaction rates (Tables 5.2～5.5), and standard deviations of reaction rates (Tables 5.6～5.7). In these tables, capture rates are calculated from the difference of absorption and fission rates. The reactions of the nuclides that have both large correlation coefficient and large deviation are to be the main cause of the discrepancies in k_∞ and conversion ratio. These reaction rates are as follows :

・ for k_∞

(Vm/Vf=0.6)

- Pu-239 production rate in 3/3(thermal) energy group,
- U-238 absorption rate in 2/3(resonance) energy group,
- Pu-241 production rate in 2/3 energy group at high burnup,

(Vm/Vf=1.1)

- Pu-239 production rate in 3/3 energy group,
- Pu-241 production rate in 3/3 energy group at high burnup,

- Pu-239 absorption rate in 3/3 energy group,
- Pu-242 absorption in 3/3 group and U-238 absorption in 2/3 group at initial burnup.

・ for conversion ratio

(Vm/Vf=0.6)

- Pu-239 capture rate in all energy range,
- U-238 absorption(capture) rate in 2/3 energy group,
- Pu-241 capture rate in 2/3 energy group,
- Pu-240 absorption rate in 3/3 energy group at high burnup,

(Vm/Vf=1.1)

- U-238 absorption(capture) rate in 2/3 energy group,
- Pu-239 absorption rate in 3/3 energy group.

5.3 Burnup reactivity change

Burnup reactivity changes are compared in the Figs.5.15~5.16. The difference of burnup reactivity at 50GWd/t is as large as 2% $\Delta k/k$, but smaller than the difference in k_∞.

Figures 5.17~5.20 show the contributions of each nuclide to the burnup reactivity. As seen from these figures, burnup reactivity loss in HCLWR is dominated by the reaction rates of Pu-239 and fission products. In addition, the contributions of these nuclides to burnup reactivities show large deviations, and thses deviations cause the discrepancy in burnup reactivity. From the figures, the following reaction rates are observed to influence the difference of burnup reactivity:

- absorption rate of fission products in 2/3 energy group,
- absorption rate of U-238 in 2/3 energy group,
- production rate of Pu-239 in 3/3 energy group,
- absorption rate of Pu-240 in 3/3 energy group from 0 to 30 GWd/t,
- production rate of Pu-241 in 2/3 energy group from 30 to 50 GWd/t for the cell with Vm/Vf=0.6,
- production rate of Pu-241 in 3/3 energy group from 30 to 50 GWd/t for the cell with Vm/Vf=1.1,
- absorption rate of Am-243 in 2/3 and 3/3 energy group from 0 to 30 GWd/t.

Groupwise(fast:1/3, resonance:2/3 and thermal:3/3) contributions of these nuclides to burnup reactivities are compared in Figs.5.21～5.27.

Table 5.8 shows one group absorption rate of fission products at 50 GWd/t. Large discrepancies are found in the reaction rates of Sm-149, Xe-131, Rh-103, Cs-133, Nd-143 , Tc-99, etc.

Atomic number densities of U-238, Pu-239, Pu-240 and Pu-241 are compared in Figs.5.28～5.35. Number densities clearly dominate burnup dependence of reaction rates.

5.4 Void reactivity

Void reactivities at each burnup stage can be seen in Figs.5.36～5.41. As similar to the previous section, Figs.5.42～5.53 show the contributions of nuclides to the void reactivity. The contributions given by VA.TECH is deviated because of reaction rates calculated for void fraction of 55% instead of 45%. In the KfK(newest) data, total absorption rate of only 23 fission products are found in place of all fission products, for 45, 90 and 99% void state. This is the cause of discrepant F.P contribution given by KfK(newest).

The important nuclides for the discrepancies of void reactivities are as follows:

- U-238 at all states of void fraction. At the state of lower void fraction, 2/3 energy group is important for the discrepancy in reaction rate. While, both 1/3 and 2/3 groups are important at higher void fraction.
- At higher burnup stages, fission products also show large discrepancy in 1/3 and 2/3 groups.
- Pu-239 especially at higher void state in 1/3 and 2/3 groups.
- Pu-240 at lower void in 3/3 group.

The self-shielding effect of Pu-242 can also be seen in the state of lower void fraction. The group contributions are shown in Figs.5.54～5.58.

5.5 Cross sections

The cross sections of U-238, Pu-239, Pu-240, Pu241, Pu-242 and Am-243 are shown in Figs.5.59～5.64. Large errors were found in the

data of U-238 and Pu-240 cross sections given by PNC. These errors were corrected after the specialists' meeting of the benchmark, as can be seen in the results of the additional benchmark problem(Chapter 7).

Most of the discrepancies that were pointed out for reaction rates can be observed in the cross sections, e.g. U-238 absorption in 2/3 energy group or Pu-239 production in 3/3 group. It is hard to see from the figures, however, the discrepancies in Pu-239 production reaction in 1/3 and 2/3 groups, and Pu-241 production in 2/3 group.

Table 5.9 shows the absorption cross sections of cladding materials. Standard deviations of cross sections of stainless steel(SS) and zirconium(Zr) are 4.7×10^{-3} and 7.5×10^{-3} barns, respectively. The absorption rates of SS and Zr is about 2.5% and 0.9% of total absorption, and hence these deviations in cross sections will lead to the differences in k_∞ about 0.3% and 0.16%$\Delta k/k$, respectively.

Table 5.1 Standard deviations of k_∞ and conversion ratio
(In parentheses maximum discrepancies are shown)

Vm/Vf:0.6 Pu fis.:8%

burnup (GWd/t)	conv. ratio	k_∞ (void 0%)	(45 %)	(90 %)	(99 %)
0	1.990E-02	9.270E-03	1.277E-02	1.311E-02	1.397E-02
	(8.572E-02)	(3.399E-02)	(4.287E-02)	(3.852E-02)	(4.594E-02)
10	2.001E-02	9.038E-03			
	(8.158E-02)	(3.442E-02)			
20	1.961E-02	8.579E-03			
	(7.484E-02)	(3.310E-02)			
30	1.926E-02	8.421E-03	8.837E-03	1.007E-02	1.557E-02
	(7.057E-02)	(3.191E-02)	(3.179E-02)	(3.301E-02)	(5.467E-02)
40	1.920E-02	8.259E-03			
	(7.301E-02)	(3.065E-02)			
50	1.924E-02	8.337E-03	8.259E-03	1.084E-02	1.772E-02
	(7.472E-02)	(2.986E-02)	(2.794E-02)	(4.173E-02)	(6.264E-02)

Vm/Vf:1.1 Pu fis.:7%

burnup (GWd/t)	conv. ratio	k_∞ (void 0%)	(45 %)	(90 %)	(99 %)
0	1.844E-02	8.974E-03	1.120E-02	1.725E-02	1.375E-02
	(9.280E-02)	(3.487E-02)	(3.897E-02)	(6.436E-02)	(4.383E-02)
10	1.725E-02	8.569E-03			
	(7.989E-02)	(3.856E-02)			
20	1.646E-02	8.569E-03			
	(7.359E-02)	(3.983E-02)			
30	1.574E-02	8.569E-03	9.521E-03	1.401E-02	1.344E-02
	(6.840E-02)	(4.058E-02)	(4.339E-02)	(5.350E-02)	(4.498E-02)
40	1.464E-02	8.290E-03			
	(6.270E-02)	(4.012E-02)			
50	1.442E-02	8.415E-03	9.164E-03	1.324E-02	1.509E-02
	(5.887E-02)	(3.983E-02)	(4.186E-02)	(5.094E-02)	(5.679E-02)

Table 5.2 Coefficient of correlation between k_∞ and reaction rates (0 GWd/t, 0% void)

	1/3	2/3	3/3	1/1
(Vm/Vf=0.6)				
absorption				
U 235	3.068E-01	3.449E-01	6.608E-01	5.369E-01
U 238	6.915E-02	-6.652E-01	1.277E-01	-7.044E-01
Pu239	2.727E-01	-6.214E-02	5.819E-01	5.745E-01
Pu240	-8.398E-02	-2.885E-01	7.179E-01	2.622E-01
Pu241	2.437E-01	2.610E-01	1.590E-01	4.719E-01
Pu242	8.118E-02	-2.369E-01	-3.630E-01	-1.851E-01
production				
U 235	2.849E-01	2.573E-01	6.595E-01	6.043E-01
U 238	-4.034E-02	-5.661E-01	6.398E-02	-3.935E-02
Pu239	2.136E-01	-3.851E-03	5.767E-01	8.390E-01
Pu240	9.398E-02	4.514E-02	4.557E-01	1.627E-01
Pu241	2.355E-01	5.552E-01	3.168E-01	6.953E-01
Pu242	-1.688E-02	5.219E-01	4.819E-01	4.701E-02
(Vm/Vf=1.1)				
absorption				
U 235	2.377E-01	3.810E-01	7.574E-01	6.514E-01
U 238	5.011E-02	-4.471E-01	6.743E-01	-4.301E-01
Pu239	2.714E-01	1.689E-01	5.402E-01	7.531E-01
Pu240	-2.127E-02	-1.339E-01	4.071E-01	2.918E-01
Pu241	3.458E-01	-4.601E-02	4.154E-01	3.439E-01
Pu242	4.693E-02	2.980E-02	-5.676E-01	-4.845E-01
production				
U 235	9.958E-02	1.945E-01	7.602E-01	6.019E-01
U 238	1.822E-02	-2.113E-01	4.638E-01	1.713E-02
Pu239	9.545E-02	8.786E-02	5.760E-01	7.917E-01
Pu240	-1.706E-01	2.895E-01	2.002E-01	3.316E-02
Pu241	1.406E-01	-4.400E-02	5.121E-01	5.227E-01
Pu242	-3.734E-01	4.766E-01	2.868E-01	-3.216E-01

Table 5.3 Coefficient of correlation between conversion ratio and reaction rates (0 GWd/t, 0% void)

	1/3	2/3	3/3	1/1
(Vm/Vf=0.6)				
absorption				
U 235	-3.136E-01	-3.997E-01	-6.818E-01	-4.457E-01
U 238	6.154E-03	7.403E-01	1.763E-01	8.435E-01
Pu239	-2.254E-01	2.886E-02	-5.584E-01	-4.040E-01
Pu240	8.314E-02	3.807E-01	-6.102E-01	7.898E-02
Pu241	-1.180E-01	-1.899E-01	-1.249E-01	-5.312E-01
Pu242	3.263E-02	2.383E-01	3.033E-02	-2.618E-01
capture				
U 235	-3.539E-01	-3.867E-01	-3.776E-01	-2.885E-01
U 238	-3.317E-01	7.404E-01	1.763E-01	2.316E-01
Pu239	-3.479E-01	-3.602E-01	-3.895E-01	-2.810E-01
Pu240	-3.250E-01	3.914E-01	-6.104E-01	-4.991E-02
Pu241	-3.516E-01	-3.504E-01	-3.065E-01	-2.930E-01
Pu242	-3.568E-01	2.402E-01	3.112E-02	-2.875E-01
(Vm/Vf=1.1)				
absorption				
U 235	-3.867E-01	-3.844E-01	-3.672E-01	-2.726E-01
U 238	-6.269E-02	7.855E-01	-1.405E-01	8.356E-01
Pu239	-2.203E-01	-2.263E-01	-5.610E-01	-5.839E-01
Pu240	-1.671E-01	3.015E-01	-2.978E-01	1.560E-01
Pu241	-2.686E-01	-3.036E-01	-9.937E-02	-5.014E-01
Pu242	-4.779E-02	2.435E-01	-1.400E-02	-2.254E-01
capture				
U 235	-6.494E-01	-4.880E-01	-5.334E-01	-3.216E-01
U 238	-1.668E-01	7.857E-01	-1.405E-01	8.710E-01
Pu239	-2.434E-01	-4.383E-01	-5.746E-01	-6.506E-01
Pu240	-2.319E-01	3.204E-01	-2.978E-01	1.543E-01
Pu241	-3.101E-01	-3.397E-01	-1.887E-02	-4.097E-01
Pu242	-3.504E-01	2.464E-01	-1.326E-02	-2.271E-01

Table 5.4 Coefficient of correlation between k_∞ and reaction rates (50 GWd/t, 0% void)

	1/3	2/3	3/3	1/1
(Vm/Vf=0.6)				
absorption				
U 235	-1.440E-02	9.483E-02	7.268E-01	5.067E-01
U 238	2.277E-01	-4.645E-01	-7.322E-02	-3.205E-01
Pu239	-4.358E-01	-3.515E-01	5.738E-01	5.366E-01
Pu240	-1.473E-01	-3.372E-01	7.168E-01	5.786E-01
Pu241	2.057E-01	3.398E-01	3.651E-01	6.202E-01
Pu242	2.973E-01	6.178E-02	-4.853E-01	-3.725E-01
Am241	-1.876E-01	5.504E-01	5.879E-01	3.873E-01
Am243	-5.904E-01	-7.200E-01	-4.328E-01	-5.495E-01
Cm244	-5.199E-01	-3.778E-01	-4.181E-01	-3.812E-01
FPall	-2.652E-01	-6.789E-02	3.021E-01	-3.583E-02
production				
U 235	7.738E-03	-4.872E-02	7.371E-01	2.298E-01
U 238	2.689E-01	-6.989E-01	-5.922E-02	2.684E-01
Pu239	-2.863E-01	-2.430E-01	5.517E-01	7.479E-01
Pu240	1.917E-01	-1.583E-01	2.730E-01	1.379E-01
Pu241	2.750E-01	6.361E-01	4.646E-01	7.050E-01
Pu242	6.358E-01	4.204E-01	2.235E-01	6.070E-01
Am241	1.456E-01	3.652E-01	-2.634E-01	5.002E-01
Am243	-4.132E-01	5.145E-01	5.790E-01	-3.740E-01
Cm244	-4.437E-01	2.993E-01	1.369E-01	-2.162E-01
(Vm/Vf=1.1)				
absorption				
U 235	1.241E-02	4.025E-01	7.904E-01	7.523E-01
U 238	2.986E-02	-1.038E-01	7.935E-01	-5.735E-02
Pu239	-2.209E-01	-7.720E-02	5.139E-01	7.662E-01
Pu240	-7.300E-02	-1.973E-01	7.053E-01	6.234E-01
Pu241	1.661E-01	-2.795E-01	6.208E-01	4.798E-01
Pu242	4.064E-01	2.875E-01	-6.458E-01	-5.536E-01
Am241	2.093E-01	2.389E-01	1.725E-01	2.668E-01
Am243	-5.540E-01	-7.658E-01	-6.852E-01	-6.721E-01
Cm244	-7.239E-01	-7.673E-01	-4.761E-01	-6.522E-01
FPall	-2.186E-01	-3.706E-01	3.918E-01	-2.268E-01
production				
U 235	-3.888E-02	2.496E-01	8.095E-01	6.714E-01
U 238	1.808E-01	-2.817E-01	2.167E-02	1.804E-01
Pu239	-3.127E-01	-1.022E-01	5.196E-01	8.020E-01
Pu240	9.613E-02	2.650E-01	4.431E-01	2.246E-01
Pu241	8.797E-02	1.441E-01	7.172E-01	6.909E-01
Pu242	5.358E-01	6.001E-01	2.191E-01	5.239E-01
Am241	3.593E-01	5.176E-03	-2.980E-01	2.763E-01
Am243	-4.910E-01	6.228E-01	6.675E-01	-3.511E-01
Cm244	-7.024E-01	1.153E-02	1.442E-01	-5.082E-01

Table 5.5 Coefficient of correlation between conversion ratio and reaction rates (50 GWd/t, 0% void)

	1/3	2/3	3/3	1/1
(Vm/Vf=0.6)				
absorption				
U 235	-1.724E-02	1.221E-01	-8.663E-01	-4.149E-01
U 238	-1.429E-01	7.279E-01	3.403E-01	7.365E-01
Pu239	5.887E-01	6.930E-01	-7.947E-01	-2.814E-01
Pu240	1.291E-01	4.903E-01	-7.928E-01	-3.042E-01
Pu241	-2.931E-01	-5.862E-01	-2.672E-01	-5.387E-01
Pu242	-7.374E-02	2.373E-01	1.754E-03	-1.962E-01
Am241	2.231E-01	-5.408E-01	-6.241E-01	-2.063E-01
Am243	2.194E-01	3.781E-01	-5.785E-02	-1.016E-03
Cm244	1.773E-01	3.506E-02	3.177E-02	3.492E-01
FPall	2.097E-01	-1.613E-01	-5.774E-02	-1.082E-01
capture				
U 235	-6.159E-01	-6.177E-01	-6.484E-01	-5.547E-01
U 238	-6.146E-01	7.279E-01	3.403E-01	-9.376E-02
Pu239	-6.084E-01	-5.869E-01	-6.687E-01	-5.552E-01
Pu240	-5.845E-01	4.665E-01	-7.931E-01	-5.036E-01
Pu241	-6.211E-01	-6.217E-01	-5.796E-01	-5.601E-01
Pu242	-5.981E-01	2.370E-01	2.590E-03	-2.708E-01
Am241	-6.644E-02	-5.972E-01	-6.318E-01	-2.820E-01
Am243	-2.989E-01	3.797E-01	-5.610E-02	-4.502E-02
Cm244	-5.431E-01	-1.594E-02	4.136E-03	1.481E-01
(Vm/Vf=1.1)				
absorption				
U 235	-3.999E-01	1.875E-02	-7.531E-01	-5.177E-01
U 238	-2.546E-01	8.495E-01	-5.691E-01	8.327E-01
Pu239	7.377E-01	6.237E-01	-7.252E-01	-3.797E-01
Pu240	-2.539E-01	5.623E-01	-7.593E-01	-2.168E-01
Pu241	-2.476E-01	-4.604E-01	-2.133E-01	-5.064E-01
Pu242	-2.236E-01	4.067E-01	-1.082E-01	-2.630E-01
Am241	-1.148E-01	-4.587E-01	-3.831E-01	-2.271E-01
Am243	-2.398E-01	2.378E-01	-4.190E-03	-1.437E-01
Cm244	1.096E-01	1.809E-01	-2.413E-01	4.141E-01
FPall	2.680E-01	8.744E-02	-1.206E-01	9.003E-02
capture				
U 235	-4.749E-01	-7.575E-02	-7.762E-01	-9.882E-02
U 238	-3.074E-01	8.498E-01	-5.691E-01	8.941E-01
Pu239	2.137E-01	4.667E-01	-7.449E-01	-4.666E-01
Pu240	6.449E-02	5.798E-01	-7.593E-01	-1.957E-01
Pu241	-2.667E-01	-2.594E-01	4.241E-02	-2.746E-01
Pu242	-1.204E-01	4.087E-01	-1.069E-01	-2.549E-01
Am241	2.303E-02	-4.700E-01	-3.863E-01	-2.304E-01
Am243	-2.500E-01	2.405E-01	-1.305E-03	-1.525E-01
Cm244	2.781E-01	1.562E-01	-2.496E-01	3.357E-01

Table 5.6 Standard deviations of reaction rates (0 GWd/t, 0% void)

(Vm/Vf=0.6)

	1/3	2/3	3/3	1/1
absorption				
U 235	4.588E-05	2.143E-04	9.923E-05	2.513E-04
U 238	3.524E-03	6.889E-03	6.954E-04	6.095E-03
Pu239	5.446E-04	3.759E-03	5.131E-03	4.084E-03
Pu240	2.500E-04	1.319E-03	3.060E-03	3.927E-03
Pu241	1.506E-04	2.199E-03	1.596E-03	2.603E-03
Pu242	6.989E-05	1.068E-03	4.169E-03	5.021E-03
fission				
U 235	4.096E-05	1.379E-04	6.945E-05	1.823E-04
U 238	1.338E-03	4.746E-06	2.031E-09	1.505E-03
Pu239	5.322E-04	2.016E-03	3.388E-03	2.653E-03
Pu240	1.857E-04	1.428E-04	8.092E-07	3.025E-04
Pu241	9.354E-05	1.448E-03	1.014E-03	1.758E-03
Pu242	9.698E-05	7.078E-06	9.015E-06	8.505E-05
production				
U 235	9.964E-05	4.673E-04	1.940E-04	4.563E-04
U 238	3.866E-03	1.625E-05	4.711E-09	3.863E-03
Pu239	1.819E-03	5.623E-03	9.656E-03	7.043E-03
Pu240	6.428E-04	3.900E-04	2.132E-06	4.842E-04
Pu241	2.786E-04	4.225E-03	2.913E-03	4.779E-03
Pu242	3.150E-04	1.946E-05	2.531E-05	2.653E-04
capture				
U 235	3.654E-04	1.410E-03	3.270E-04	1.992E-03
U 238	1.138E-02	6.889E-03	6.954E-04	1.188E-02
Pu239	1.096E-02	2.822E-02	1.642E-02	5.271E-02
Pu240	2.049E-03	1.237E-03	3.060E-03	4.599E-03
Pu241	2.144E-03	1.217E-02	2.832E-03	1.621E-02
Pu242	5.190E-04	1.069E-03	4.172E-03	4.982E-03

Table 5.6 (continued)

(Vm/Vf=1.1)

	1/3	2/3	3/3	1/1
absorption				
U 235	2.852E-05	1.633E-04	1.011E-04	2.242E-04
U 238	2.300E-03	6.288E-03	2.371E-04	5.512E-03
Pu239	3.572E-04	3.049E-03	6.023E-03	5.037E-03
Pu240	1.324E-04	1.113E-03	2.858E-03	3.748E-03
Pu241	9.499E-05	2.098E-03	2.217E-03	2.305E-03
Pu242	3.235E-05	1.247E-03	5.321E-03	6.268E-03
fission				
U 235	2.464E-05	1.199E-04	8.396E-05	1.455E-04
U 238	1.083E-03	3.331E-06	3.708E-09	1.225E-03
Pu239	2.798E-04	1.839E-03	3.772E-03	2.962E-03
Pu240	1.043E-04	9.031E-05	9.495E-07	1.407E-04
Pu241	5.455E-05	9.106E-04	1.449E-03	1.357E-03
Pu242	6.331E-05	4.461E-06	9.885E-06	5.535E-05
production				
U 235	6.179E-05	2.951E-04	2.077E-04	3.688E-04
U 238	3.250E-03	9.907E-06	8.600E-09	3.259E-03
Pu239	1.009E-03	5.260E-03	1.099E-02	8.662E-03
Pu240	3.449E-04	2.441E-04	2.024E-06	3.237E-04
Pu241	1.728E-04	2.619E-03	4.274E-03	3.957E-03
Pu242	1.987E-04	1.226E-05	2.775E-05	1.599E-04
capture				
U 235	6.635E-06	1.471E-04	2.141E-05	1.676E-04
U 238	2.206E-03	6.287E-03	2.371E-04	5.384E-03
Pu239	1.757E-04	1.515E-03	2.396E-03	2.463E-03
Pu240	1.035E-04	1.092E-03	2.857E-03	3.721E-03
Pu241	6.580E-05	1.892E-03	8.248E-04	1.915E-03
Pu242	7.427E-05	1.245E-03	5.325E-03	6.245E-03

Table 5.7 Standard deviations of reaction rates (50 GWd/t, 0% void)

(Vm/Vf=0.6)

	1/3	2/3	3/3	1/1
absorption				
U 235	3.020E-05	8.379E-05	4.902E-05	1.011E-04
U 238	3.638E-03	6.990E-03	5.578E-04	5.606E-03
Pu239	6.828E-04	4.312E-03	4.736E-03	2.344E-03
Pu240	2.997E-04	1.371E-03	2.960E-03	3.012E-03
Pu241	2.175E-04	1.682E-03	1.584E-03	2.345E-03
Pu242	2.090E-04	8.833E-04	2.872E-03	2.921E-03
Am241	1.806E-04	3.946E-04	3.557E-04	7.580E-04
Am243	1.987E-04	8.199E-04	1.078E-03	2.053E-03
Cm244	9.374E-05	5.260E-04	4.466E-06	7.355E-04
FPall	1.415E-03	3.906E-03	1.656E-03	3.937E-03
fission				
U 235	2.646E-05	6.834E-05	3.295E-05	8.576E-05
U 238	1.453E-03	4.654E-06	1.491E-09	1.662E-03
Pu239	7.204E-04	2.318E-03	2.875E-03	1.263E-03
Pu240	2.563E-04	1.517E-04	7.419E-07	3.458E-04
Pu241	1.828E-04	1.404E-03	1.028E-03	1.981E-03
Pu242	1.131E-04	7.013E-06	7.912E-06	1.313E-04
Am241	3.833E-05	5.426E-05	3.064E-06	6.339E-05
Am243	8.232E-05	8.359E-06	9.427E-06	8.862E-05
Cm244	6.852E-05	3.816E-05	3.472E-07	9.312E-05
production				
U 235	6.636E-05	2.557E-04	9.628E-05	2.538E-04
U 238	4.099E-03	1.620E-05	3.457E-09	4.100E-03
Pu239	2.296E-03	6.374E-03	8.766E-03	3.508E-03
Pu240	9.247E-04	4.150E-04	1.922E-06	8.067E-04
Pu241	5.623E-04	4.451E-03	3.058E-03	6.245E-03
Pu242	3.304E-04	1.932E-05	2.221E-05	3.469E-04
Am241	1.428E-04	1.866E-04	1.087E-05	1.718E-04
Am243	2.419E-04	2.716E-05	3.040E-05	2.452E-04
Cm244	2.388E-04	1.444E-04	1.116E-06	2.885E-04
capture				
U 235	1.884E-04	6.974E-04	1.450E-04	9.743E-04
U 238	1.154E-02	6.989E-03	5.578E-04	1.132E-02
Pu239	1.020E-02	2.499E-02	1.387E-02	4.624E-02
Pu240	2.215E-03	1.252E-03	2.960E-03	4.098E-03
Pu241	2.373E-03	1.246E-02	2.797E-03	1.662E-02
Pu242	4.731E-04	8.800E-04	2.873E-03	3.003E-03
Am241	1.342E-04	3.539E-04	3.570E-04	7.429E-04
Am243	1.705E-04	8.197E-04	1.077E-03	1.960E-03
Cm244	1.093E-04	5.434E-04	4.162E-06	6.588E-04

Table 5.7 (continued)

(Vm/Vf=1.1)

	1/3	2/3	3/3	1/1
absorption				
U 235	1.673E-05	6.044E-05	7.013E-05	1.027E-04
U 238	2.469E-03	6.093E-03	2.737E-04	4.889E-03
Pu239	4.850E-04	3.743E-03	5.315E-03	2.903E-03
Pu240	1.479E-04	1.019E-03	2.538E-03	2.532E-03
Pu241	1.426E-04	1.982E-03	2.548E-03	2.182E-03
Pu242	1.645E-04	1.152E-03	3.556E-03	3.485E-03
Am241	9.446E-05	3.513E-04	4.354E-04	6.894E-04
Am243	1.286E-04	8.647E-04	1.682E-03	2.822E-03
Cm244	8.652E-05	7.737E-04	1.001E-05	9.524E-04
FPall	8.853E-04	3.756E-03	2.009E-03	3.512E-03
fission				
U 235	1.501E-05	6.480E-05	5.823E-05	9.053E-05
U 238	1.130E-03	3.302E-06	3.177E-09	1.335E-03
Pu239	4.206E-04	2.271E-03	3.357E-03	1.894E-03
Pu240	1.400E-04	8.798E-05	8.823E-07	1.671E-04
Pu241	1.387E-04	1.302E-03	1.775E-03	2.116E-03
Pu242	9.830E-05	4.706E-06	9.584E-06	1.175E-04
Am241	2.802E-05	3.375E-05	5.370E-06	4.464E-05
Am243	6.577E-05	7.612E-06	1.390E-05	6.944E-05
Cm244	6.550E-05	5.795E-05	7.648E-07	9.903E-05
production				
U 235	3.752E-05	1.648E-04	1.440E-04	2.313E-04
U 238	3.337E-03	8.851E-04	7.368E-09	3.336E-03
Pu239	1.297E-03	6.251E-03	9.668E-03	4.978E-03
Pu240	4.640E-04	2.388E-04	1.944E-06	4.817E-04
Pu241	4.488E-04	3.875E-03	5.266E-03	6.342E-03
Pu242	2.985E-04	1.296E-05	2.691E-05	3.228E-04
Am241	9.864E-05	1.032E-04	1.931E-05	1.104E-04
Am243	2.006E-04	2.468E-05	4.483E-05	2.056E-04
Cm244	2.371E-04	1.867E-04	2.421E-06	3.235E-04
capture				
U 235	3.005E-06	6.209E-05	1.310E-05	7.023E-05
U 238	2.260E-03	6.092E-03	2.737E-04	4.898E-03
Pu239	1.399E-04	1.623E-03	2.069E-03	1.483E-03
Pu240	8.928E-05	9.899E-04	2.538E-03	2.547E-03
Pu241	7.482E-05	1.997E-03	8.799E-04	1.922E-03
Pu242	8.705E-05	1.149E-03	3.558E-03	3.589E-03
Am241	7.774E-05	3.210E-04	4.330E-04	6.532E-04
Am243	1.037E-04	8.654E-04	1.684E-03	2.746E-03
Cm244	3.165E-05	7.794E-04	9.333E-06	8.566E-04
FPall	8.853E-04	3.756E-03	2.009E-03	3.512E-03

Table 5.8 One group absorption rate of fission products at 50GWd/t

(Vm/Vf=0.6)

	Mo95	Tc99	Ru101	Rh103	Pd105	Pd107
ANSTO	2.570E-03	5.180E-03	3.340E-03	6.760E-03	3.000E-03	1.950E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.857E-03	5.295E-03	0.0	6.216E-03	0.0	0.0
HITACHI(B4)	2.426E-03	4.963E-03	3.658E-03	6.428E-03	3.335E-03	2.413E-03
HITACHI(J2)	2.576E-03	4.930E-03	3.676E-03	6.559E-03	3.312E-03	2.446E-03
IKE	2.599E-03	5.202E-03	3.462E-03	6.451E-03	3.312E-03	0.0
JAERI(SRAC)	2.576E-03	4.950E-03	3.900E-03	6.238E-03	3.247E-03	2.298E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0
KfK(newest)	2.507E-03	5.586E-03	3.583E-03	5.599E-03	2.854E-03	2.011E-03
KfK(1985lib.)	2.363E-03	5.026E-03	3.654E-03	5.190E-03	2.621E-03	1.500E-03
MAPI-CRC	2.649E-03	4.581E-03	2.027E-03	4.851E-03	1.664E-03	0.0
NAIG	0.0	5.373E-03	3.760E-03	6.985E-03	3.283E-03	2.474E-03
PNC	2.760E-03	4.929E-03	2.105E-03	4.787E-03	1.744E-03	2.302E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	2.323E-03	5.714E-03	3.646E-03	6.297E-03	3.230E-03	2.106E-03
STUDSVIK	0.0	0.0	0.0	4.270E-03	0.0	0.0
TUBS(DATUBS4)	2.197E-03	5.003E-03	3.285E-03	6.638E-03	2.907E-03	1.534E-03
TUBS(DATUBS5)	2.101E-03	4.861E-03	3.160E-03	6.374E-03	2.816E-03	1.478E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0

	Pd108	Ag109	Xe131	Xe135	Cs133	Cs135
ANSTO	2.900E-03	4.870E-03	7.600E-03	1.010E-03	6.860E-03	2.310E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	6.110E-03	1.434E-03	6.476E-03	1.672E-03
HITACHI(B4)	2.323E-03	3.950E-03	5.929E-03	1.199E-03	6.765E-03	2.226E-03
HITACHI(J2)	2.297E-03	3.916E-03	5.824E-03	1.271E-03	6.579E-03	2.263E-03
IKE	2.114E-03	4.053E-03	7.226E-03	1.157E-03	7.330E-03	2.994E-03
JAERI(SRAC)	2.839E-03	3.732E-03	6.039E-03	1.084E-03	6.859E-03	2.551E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0
KfK(newest)	1.829E-03	3.675E-03	5.843E-03	1.049E-03	6.967E-03	2.747E-03
KfK(1985lib.)	1.918E-03	3.818E-03	8.063E-03	9.803E-04	6.739E-03	2.182E-03
MAPI-CRC	1.897E-03	4.069E-03	6.207E-03	1.042E-03	7.440E-03	3.379E-03
NAIG	3.283E-03	4.800E-03	7.311E-03	1.035E-03	6.914E-03	2.652E-03
PNC	2.990E-03	4.556E-03	7.772E-03	9.724E-04	8.663E-03	3.646E-03
PSI(BOXER)	0.0	0.0	0.0	1.033E-03	0.0	0.0
PSI(DANDE)	2.002E-03	4.813E-03	7.111E-03	1.037E-03	6.945E-03	2.589E-03
STUDSVIK	0.0	3.440E-03	7.130E-03	1.180E-03	7.250E-03	3.710E-03
TUBS(DATUBS4)	2.232E-03	4.279E-03	6.322E-03	9.304E-04	6.388E-03	2.314E-03
TUBS(DATUBS5)	2.100E-03	4.098E-03	5.946E-03	8.317E-04	6.206E-03	2.209E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0

Table 5.8 (continued)

(Vm/Vf=0.6)

	Nd143	Nd148	Pm147	Sm147	Sm149	Sm150
ANSTO	2.700E-03	3.300E-04	4.110E-03	1.320E-03	5.090E-03	1.410E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.685E-03	0.0	4.471E-03	0.0	5.127E-03	1.392E-03
HITACHI(B4)	3.472E-03	2.259E-04	3.818E-03	1.443E-03	5.647E-03	1.176E-03
HITACHI(J2)	3.501E-03	2.259E-04	3.808E-03	1.453E-03	5.899E-03	1.187E-03
IKE	2.682E-03	3.389E-04	4.115E-03	1.331E-03	4.492E-03	1.493E-03
JAERI(SRAC)	2.574E-03	2.455E-04	3.781E-03	1.358E-03	5.263E-03	1.432E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0
KfK(newest)	2.522E-03	3.254E-04	3.912E-03	1.355E-03	5.112E-03	1.476E-03
KfK(1985lib.)	2.433E-03	3.059E-04	3.997E-03	1.422E-03	5.012E-03	1.397E-03
MAPI-CRC	1.591E-03	0.0	2.183E-03	1.396E-03	6.733E-03	1.601E-03
NAIG	2.656E-03	0.0	4.242E-03	1.383E-03	5.141E-03	1.471E-03
PNC	1.657E-03	2.233E-04	2.468E-03	1.482E-03	7.049E-03	1.742E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	4.233E-03	0.0
PSI(DANDE)	2.435E-03	3.279E-04	4.198E-03	1.280E-03	5.209E-03	1.550E-03
STUDSVIK	1.580E-03	0.0	4.360E-03	1.170E-03	6.350E-03	1.880E-03
TUBS(DATUBS4)	2.672E-03	3.524E-04	4.087E-03	1.290E-03	5.725E-03	6.074E-04
TUBS(DATUBS5)	2.599E-03	3.523E-04	3.983E-03	1.246E-03	5.550E-03	5.776E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0

	Sm151	Sm152	Eu153	Eu154	Eu155	FP-total
ANSTO	3.340E-03	3.830E-03	3.280E-03	1.700E-03	1.100E-03	9.180E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.017E-03	3.039E-03	0.0	0.0	0.0	8.825E-02
HITACHI(B4)	3.267E-03	3.491E-03	3.047E-03	1.333E-03	1.540E-03	8.717E-02
HITACHI(J2)	3.272E-03	3.527E-03	3.084E-03	1.351E-03	1.510E-03	8.706E-02
IKE	3.575E-03	4.071E-03	3.353E-03	1.683E-03	1.230E-03	8.456E-02
JAERI(SRAC)	3.343E-03	3.568E-03	3.164E-03	1.371E-03	1.567E-03	9.002E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0
KfK(newest)	3.507E-03	3.627E-03	3.066E-03	1.531E-03	1.164E-03	8.495E-02
KfK(1985lib.)	3.339E-03	3.680E-03	3.183E-03	1.602E-03	1.707E-03	8.357E-02
MAPI-CRC	2.610E-03	3.104E-03	3.091E-03	8.288E-04	1.200E-03	8.381E-02
NAIG	3.445E-03	4.049E-03	3.471E-03	1.502E-03	1.624E-03	9.413E-02
PNC	2.730E-03	3.574E-03	3.451E-03	9.495E-04	1.304E-03	8.361E-02
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	9.423E-02
PSI(DANDE)	3.589E-03	4.159E-03	3.613E-03	1.874E-03	1.461E-03	9.313E-02
STUDSVIK	3.560E-03	4.630E-03	3.840E-03	1.660E-03	9.000E-04	0.0
TUBS(DATUBS4)	3.012E-03	3.538E-03	2.890E-03	1.417E-03	1.093E-03	8.577E-02
TUBS(DATUBS5)	2.919E-03	3.423E-03	2.772E-03	1.341E-03	1.032E-03	8.261E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0

Table 5.8 (continued)

(Vm/Vf=1.1)

	Mo95	Tc99	Ru101	Rh103	Pd105	Pd107
ANSTO	2.350E-03	5.650E-03	2.900E-03	8.920E-03	2.560E-03	1.600E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	2.226E-03	5.096E-03	3.040E-03	8.603E-03	2.767E-03	2.002E-03
HITACHI(J2)	2.209E-03	5.109E-03	3.013E-03	8.647E-03	2.748E-03	1.996E-03
IKE	2.335E-03	5.295E-03	2.967E-03	8.601E-03	2.770E-03	0.0
JAERI(SRAC)	2.324E-03	5.109E-03	3.289E-03	8.351E-03	2.749E-03	1.904E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0
KfK(newest)	2.277E-03	5.830E-03	3.113E-03	7.739E-03	2.403E-03	1.662E-03
KfK(1985lib.)	2.140E-03	5.409E-03	3.221E-03	7.123E-03	2.245E-03	1.241E-03
MAPI-CRC	2.395E-03	4.220E-03	1.843E-03	7.064E-03	1.578E-03	0.0
NAIG	0.0	5.518E-03	3.141E-03	9.171E-03	2.749E-03	2.036E-03
PNC	2.519E-03	4.577E-03	1.929E-03	7.179E-03	1.668E-03	1.815E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	2.087E-03	5.740E-03	3.108E-03	8.451E-03	2.676E-03	1.687E-03
STUDSVIK	0.0	0.0	0.0	6.510E-03	0.0	0.0
TUBS(DATUBS4)	2.118E-03	5.340E-03	2.856E-03	8.885E-03	2.524E-03	1.308E-03
TUBS(DATUBS5)	2.045E-03	5.221E-03	2.767E-03	8.545E-03	2.453E-03	1.269E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0

	Pd108	Ag109	Xe131	Xe135	Cs133	Cs135
ANSTO	2.650E-03	5.380E-03	8.100E-03	3.640E-03	7.210E-03	1.920E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	0.0	4.418E-03	6.158E-03	4.166E-03	6.777E-03	1.699E-03
HITACHI(J2)	2.100E-03	4.384E-03	6.200E-03	4.227E-03	6.877E-03	1.709E-03
IKE	1.981E-03	4.479E-03	7.626E-03	3.985E-03	7.681E-03	2.251E-03
JAERI(SRAC)	2.638E-03	4.195E-03	6.396E-03	3.974E-03	7.137E-03	1.979E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0
KfK(newest)	1.667E-03	4.073E-03	6.430E-03	3.941E-03	7.335E-03	2.097E-03
KfK(1985lib.)	1.747E-03	4.215E-03	8.853E-03	3.754E-03	7.086E-03	1.821E-03
MAPI-CRC	0.0	4.400E-03	6.275E-03	3.745E-03	7.163E-03	2.330E-03
NAIG	2.964E-03	5.182E-03	7.636E-03	3.775E-03	7.033E-03	2.046E-03
PNC	0.0	4.847E-03	7.831E-03	3.608E-03	8.392E-03	2.513E-03
PSI(BOXER)	0.0	0.0	0.0	3.754E-03	0.0	0.0
PSI(DANDE)	1.810E-03	5.189E-03	7.672E-03	3.680E-03	7.065E-03	2.005E-03
STUDSVIK	0.0	3.810E-03	7.430E-03	4.110E-03	7.320E-03	2.530E-03
TUBS(DATUBS4)	2.031E-03	4.489E-03	6.764E-03	3.457E-03	6.506E-03	1.946E-03
TUBS(DATUBS5)	1.944E-03	4.353E-03	6.510E-03	3.159E-03	6.363E-03	1.892E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0

Table 5.8 (continued)

(Vm/Vf=1.1)

	Nd143	Nd148	Pm147	Sm147	Sm149	Sm150
ANSTO	2.950E-03	2.470E-04	4.410E-03	1.230E-03	5.550E-03	1.640E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.014E-03	1.653E-04	4.090E-03	1.342E-03	6.087E-03	1.293E-03
HITACHI(J2)	4.020E-03	1.632E-04	4.088E-03	1.324E-03	6.100E-03	1.306E-03
IKE	2.985E-03	2.527E-04	4.361E-03	1.237E-03	4.562E-03	1.690E-03
JAERI(SRAC)	2.902E-03	1.834E-04	4.040E-03	1.269E-03	5.787E-03	1.635E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0
KfK(newest)	2.837E-03	2.401E-04	4.157E-03	1.259E-03	5.565E-03	1.707E-03
KfK(19851ib.)	2.748E-03	2.265E-04	4.246E-03	1.225E-03	5.471E-03	1.614E-03
MAPI-CRC	2.223E-03	0.0	2.300E-03	1.188E-03	6.935E-03	1.875E-03
NAIG	2.947E-03	0.0	4.469E-03	1.277E-03	5.564E-03	1.677E-03
PNC	2.362E-03	1.693E-04	2.605E-03	1.262E-03	7.168E-03	2.036E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	4.429E-03	0.0
PSI(DANDE)	2.687E-03	2.416E-04	4.368E-03	1.192E-03	5.615E-03	1.711E-03
STUDSVIK	2.220E-03	0.0	4.490E-03	1.070E-03	6.570E-03	1.910E-03
TUBS(DATUBS4)	3.027E-03	2.679E-04	4.397E-03	1.255E-03	6.551E-03	7.083E-04
TUBS(DATUBS5)	2.897E-03	2.679E-04	4.307E-03	1.220E-03	6.371E-03	6.791E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0

	Sm151	Sm152	Eu153	Eu154	Eu155	FP-total
ANSTO	3.830E-03	4.560E-03	3.770E-03	2.040E-03	1.430E-03	9.780E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	3.731E-03	4.149E-03	3.435E-03	1.718E-03	2.032E-03	9.186E-02
HITACHI(J2)	3.719E-03	4.201E-03	3.396E-03	1.724E-03	2.085E-03	9.229E-02
IKE	4.063E-03	4.744E-03	3.763E-03	1.955E-03	1.665E-03	9.146E-02
JAERI(SRAC)	3.928E-03	4.269E-03	3.634E-03	1.811E-03	2.156E-03	9.593E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0
KfK(newest)	4.066E-03	4.435E-03	3.605E-03	1.903E-03	1.664E-03	9.217E-02
KfK(19851ib.)	3.875E-03	4.470E-03	3.752E-03	2.001E-03	2.173E-03	9.146E-02
MAPI-CRC	3.595E-03	4.037E-03	3.570E-03	1.154E-03	1.525E-03	8.851E-02
NAIG	3.963E-03	4.689E-03	3.876E-03	1.908E-03	2.181E-03	9.906E-02
PNC	3.802E-03	4.590E-03	4.030E-03	1.355E-03	1.708E-03	8.818E-02
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	9.718E-02
PSI(DANDE)	4.033E-03	4.802E-03	4.011E-03	2.147E-03	1.935E-03	9.778E-02
STUDSVIK	4.110E-03	5.240E-03	4.310E-03	2.170E-03	1.300E-03	0.0
TUBS(DATUBS4)	3.412E-03	4.341E-03	3.432E-03	1.670E-03	1.391E-03	9.233E-02
TUBS(DATUBS5)	3.315E-03	4.223E-03	3.312E-03	1.594E-03	1.314E-03	8.930E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0

Table 5.9 Absorption cross sections of cladding materials(barns)

	Fe	Cr	Ni	Mn55	SS	Zr
ANSTO	2.792E-02	3.490E-02	6.383E-02	3.690E-01	4.011E-02	4.859E-02
CEA	3.288E-02	2.681E-02	5.768E-02	4.636E-01	4.292E-02	0.0
GKSS	3.319E-02	3.721E-02	6.633E-02	4.196E-01	4.537E-02	0.0
HITACHI(B4)	3.252E-02	3.351E-02	6.601E-02	3.125E-01	4.192E-02	4.826E-02
HITACHI(J2)	3.284E-02	3.396E-02	6.754E-02	3.113E-01	4.237E-02	4.801E-02
IKE	3.080E-02	3.431E-02	6.014E-02	4.513E-01	4.316E-02	0.0
JAERI(SRAC)	2.979E-02	3.310E-02	6.734E-02	4.259E-01	4.247E-02	4.217E-02
JAERI(VIM)	2.884E-02	3.240E-02	6.856E-02	3.734E-01	4.076E-02	3.925E-02
KfK(newest)	2.264E-02	3.022E-02	1.048E-02	2.496E-01	2.761E-02	4.428E-02
KfK(19851ib.)	2.209E-02	2.956E-02	5.772E-02	4.515E-01	3.614E-02	4.450E-02
MAPI-CRC	3.136E-02	3.386E-02	6.873E-02	4.211E-01	4.373E-02	4.925E-02
NAIG	0.0	0.0	0.0	0.0	3.590E-02	4.940E-02
PNC	2.286E-02	2.053E-02	5.296E-02	3.562E-01	3.228E-02	3.987E-02
PSI(BOXER)	2.718E-02	3.497E-02	6.367E-02	2.624E-01	3.744E-02	3.723E-02
PSI(DANDE)	2.387E-02	3.299E-02	5.867E-02	3.238E-01	3.556E-02	1.953E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.900E-02	3.496E-02	6.312E-02	4.452E-01	4.230E-02	4.522E-02
TUBS(DATUBS5)	3.168E-02	3.472E-02	6.317E-02	4.489E-01	4.410E-02	4.572E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0

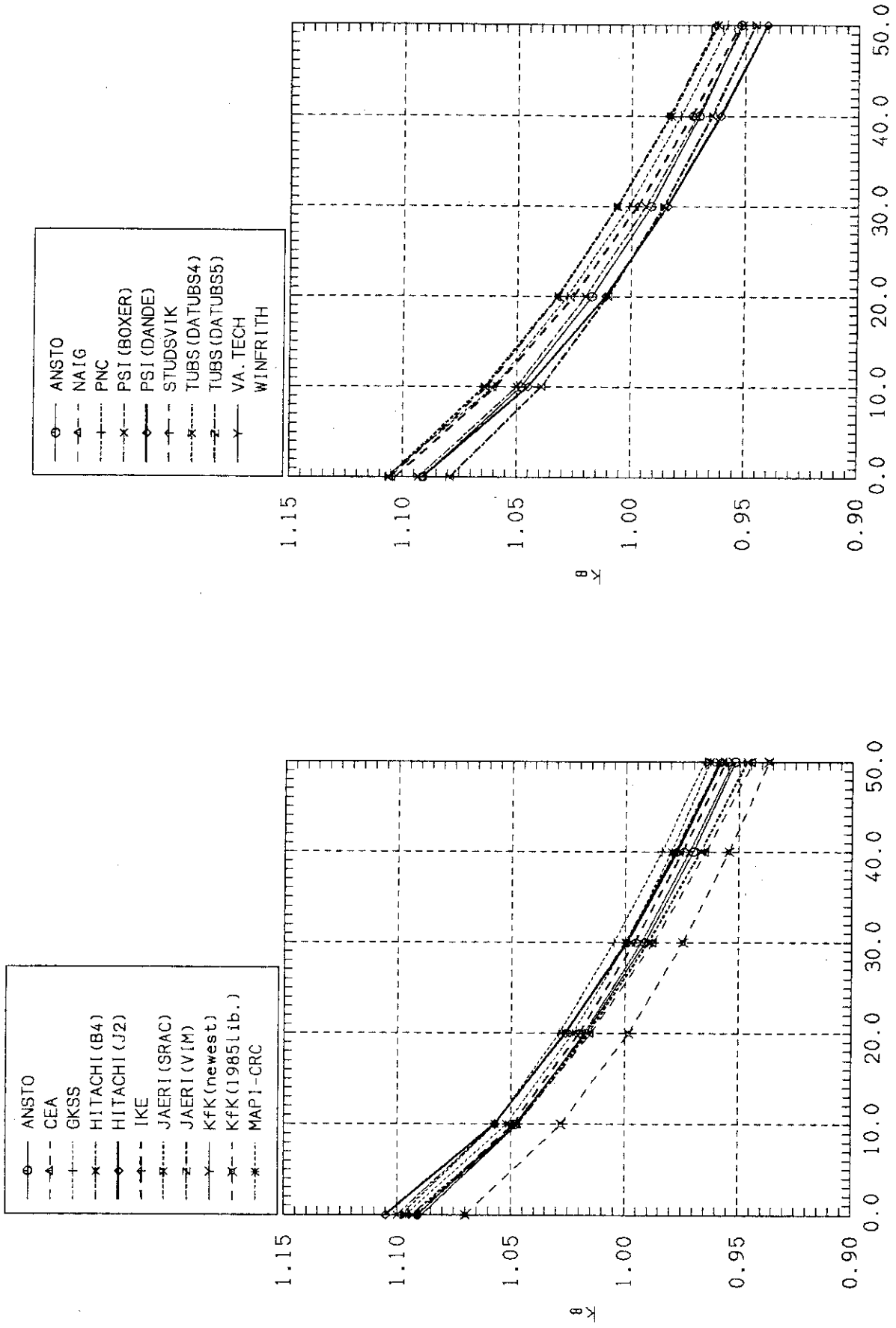


Fig.5.1 Burnup dependence of k_∞ : Vm/Vf=0.6.

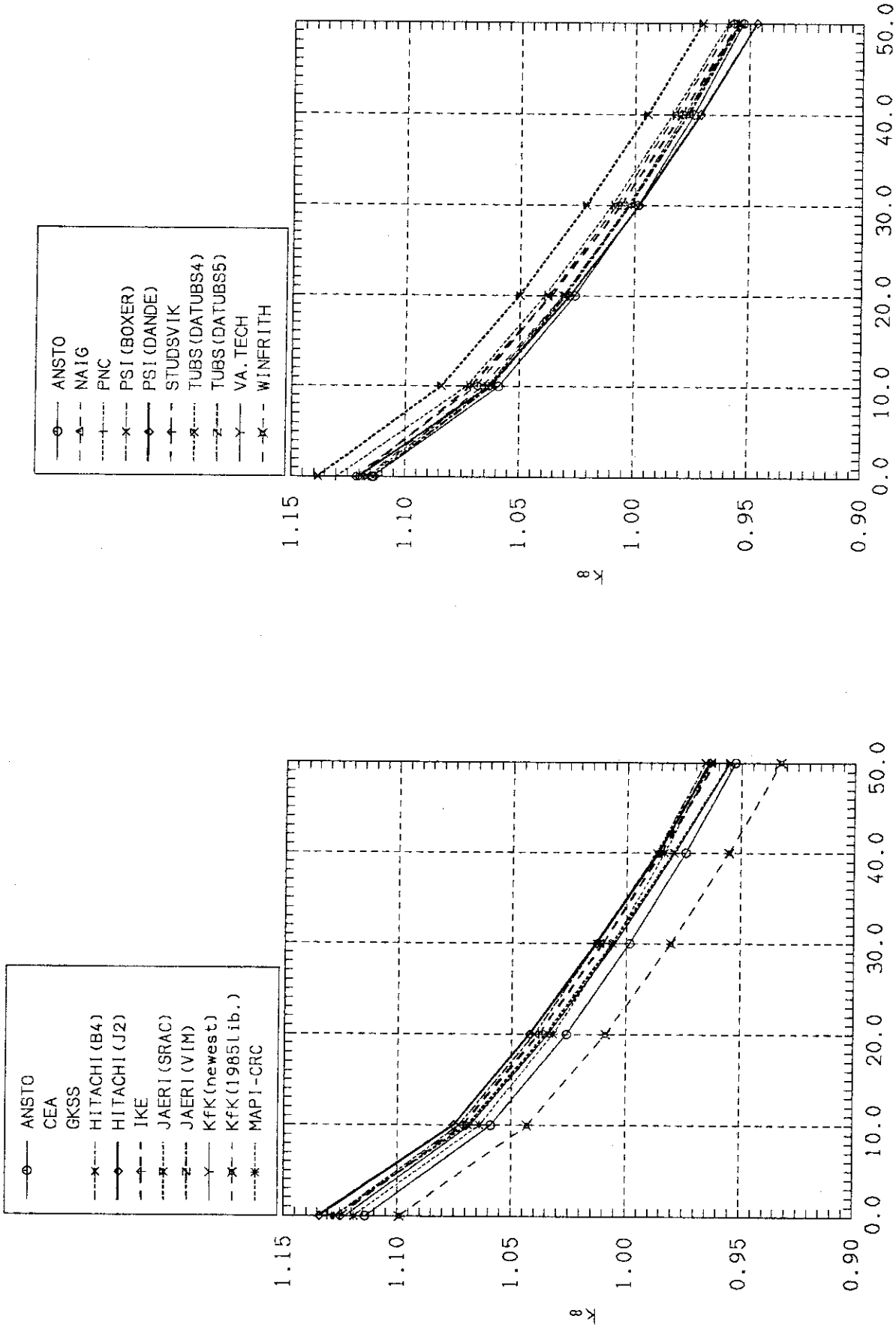


Fig.5.2 Burnup dependence of k_∞ : Vm/Vf=1.1.

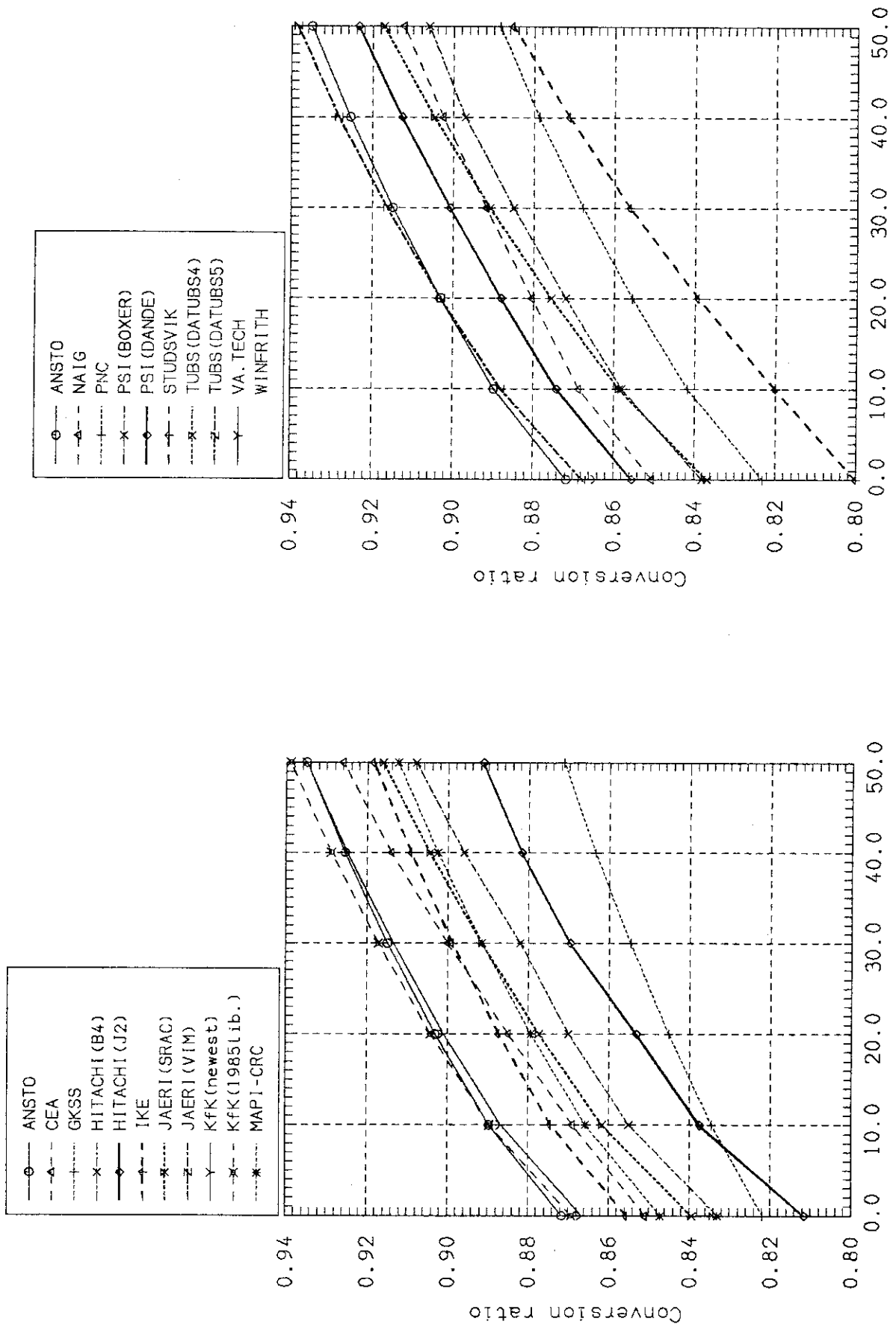


Fig.5.3 Burnup dependence of conversion ratio : Vm/Vf=0.6.

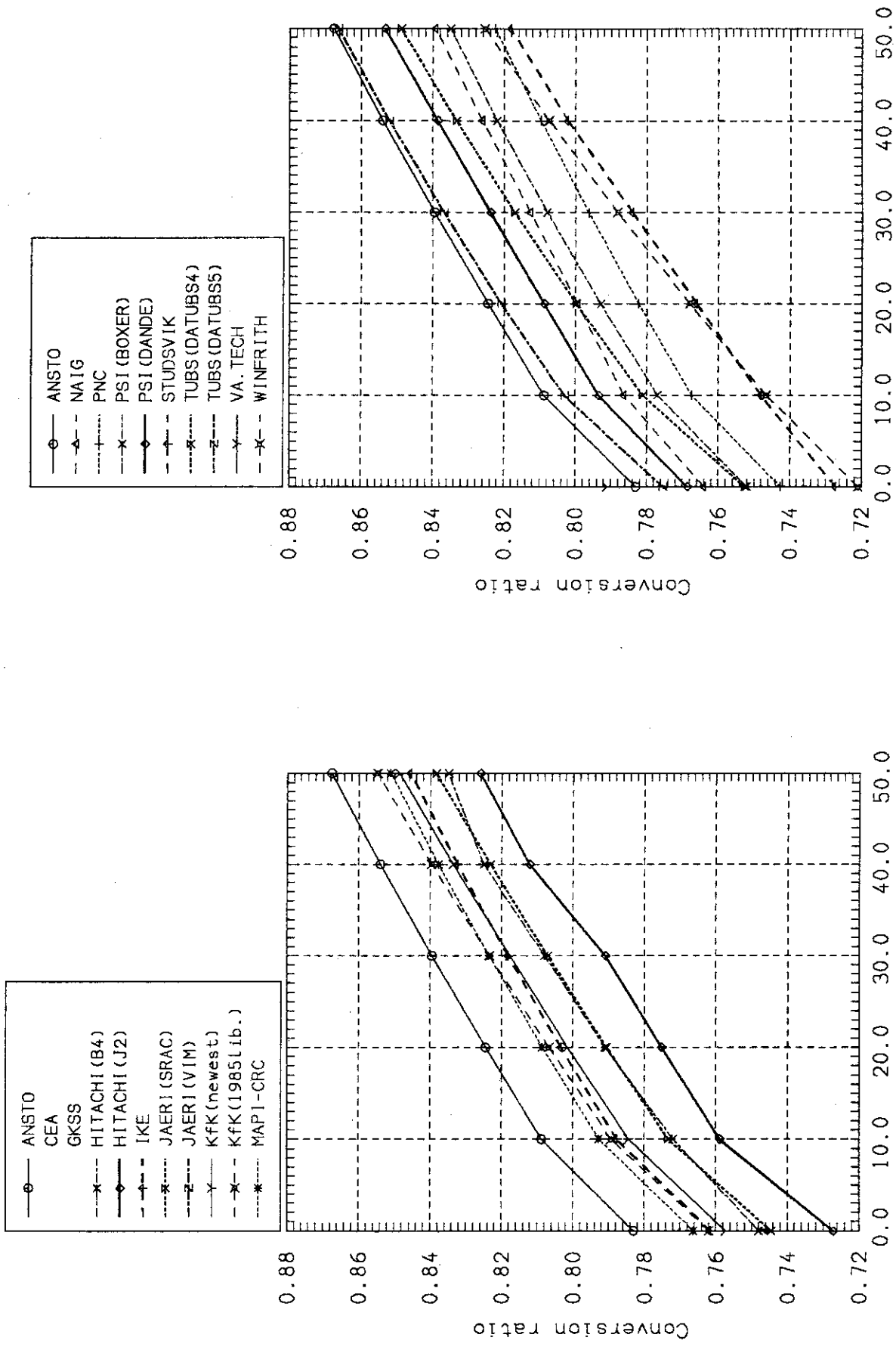


Fig.5.4 Burnup dependence of conversion ratio : Vm/Vf=1.1.

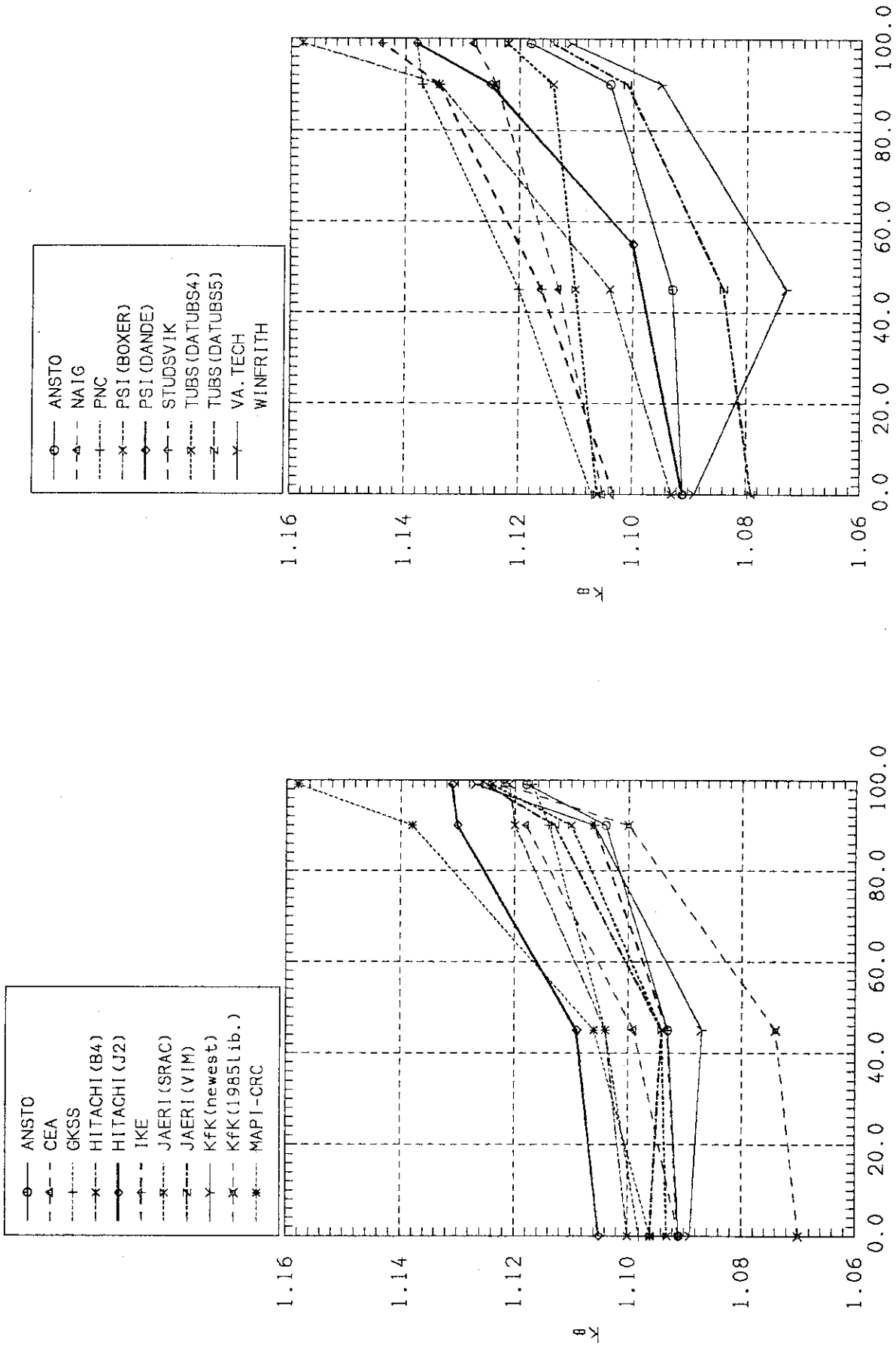


Fig.5.5 Dependence of k_∞ on void fraction : Vm/Vf=0.6, 0GWd/t.

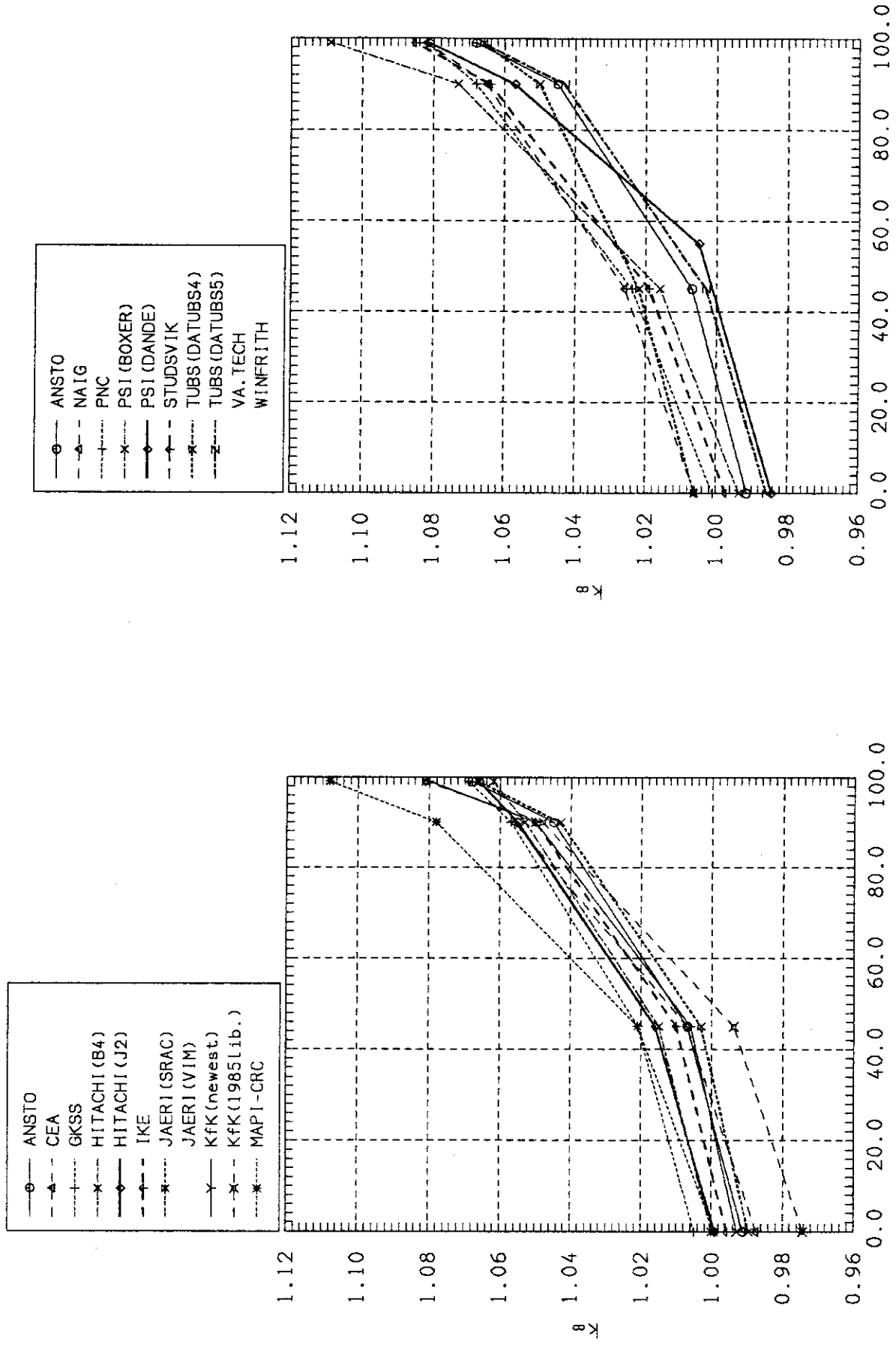


Fig.5.6 Dependence of k_∞ on void fraction : Vm/Vf=0.6, 30GWd/t.

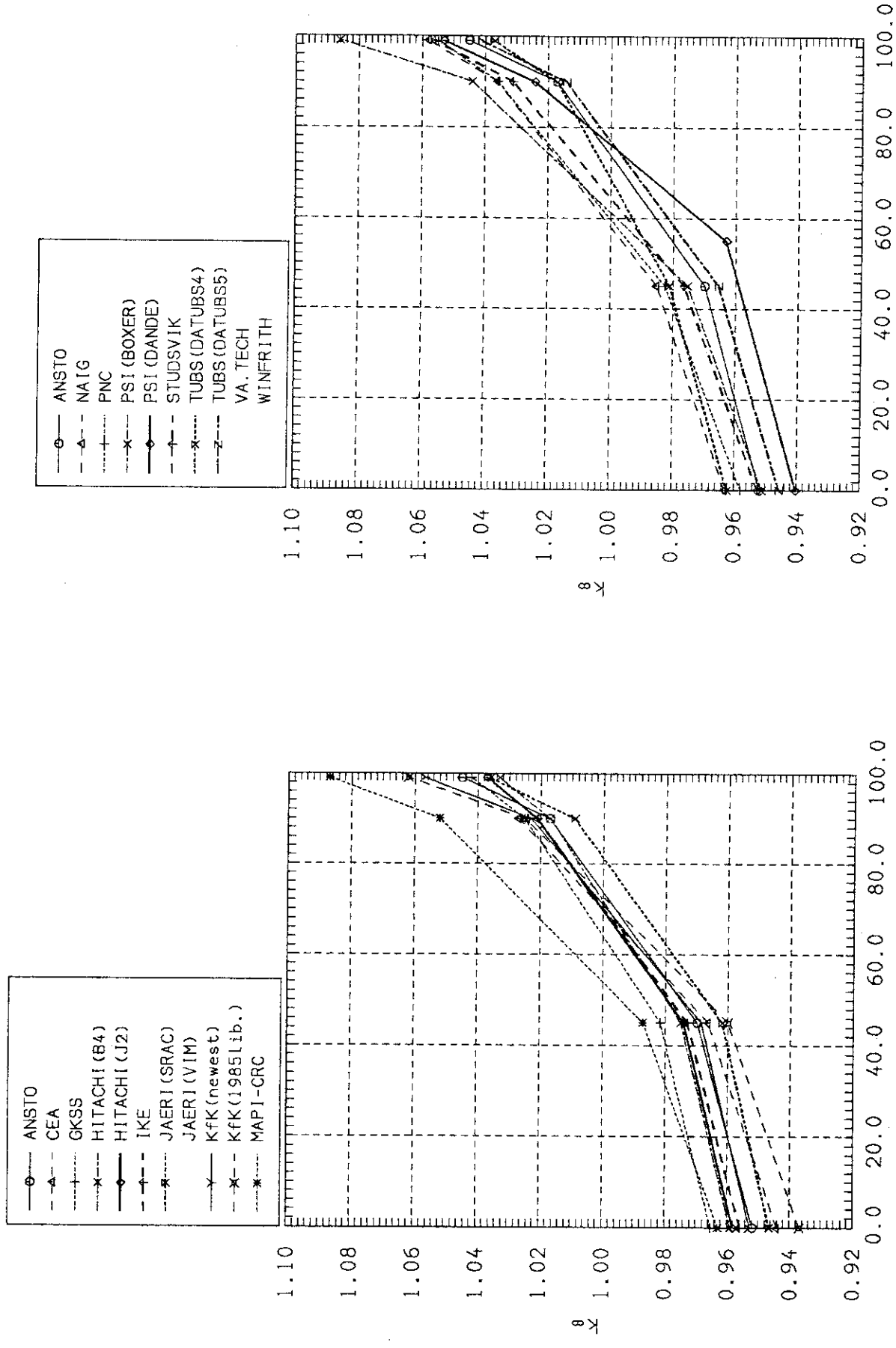


Fig.5.7 Dependence of k_∞ on void fraction : Vm/Vf=0.6, 50GWd/t.

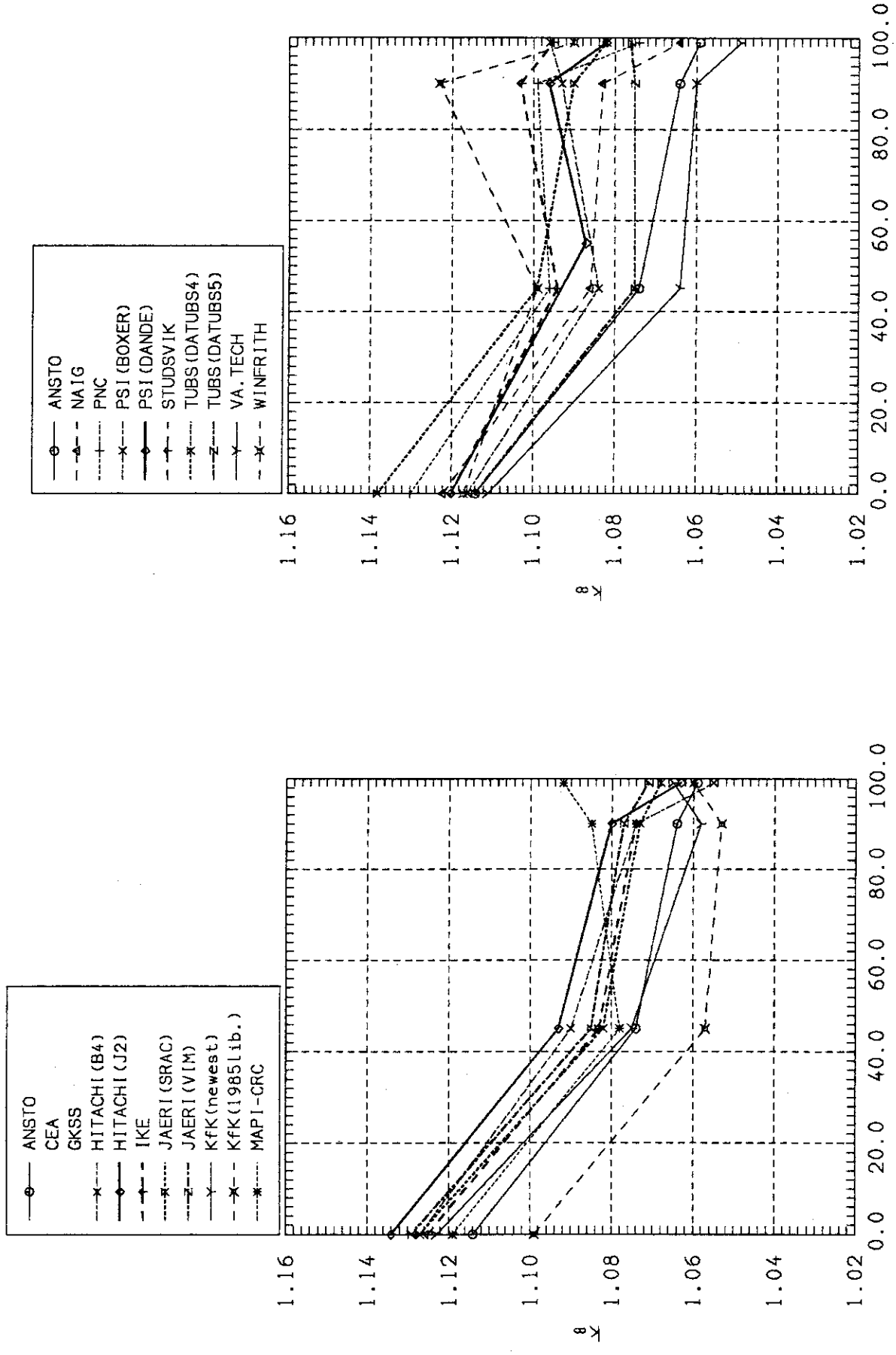


Fig.5.8 Dependence of k_∞ on void fraction : Vm/Vf=1.1, 0GWd/t.

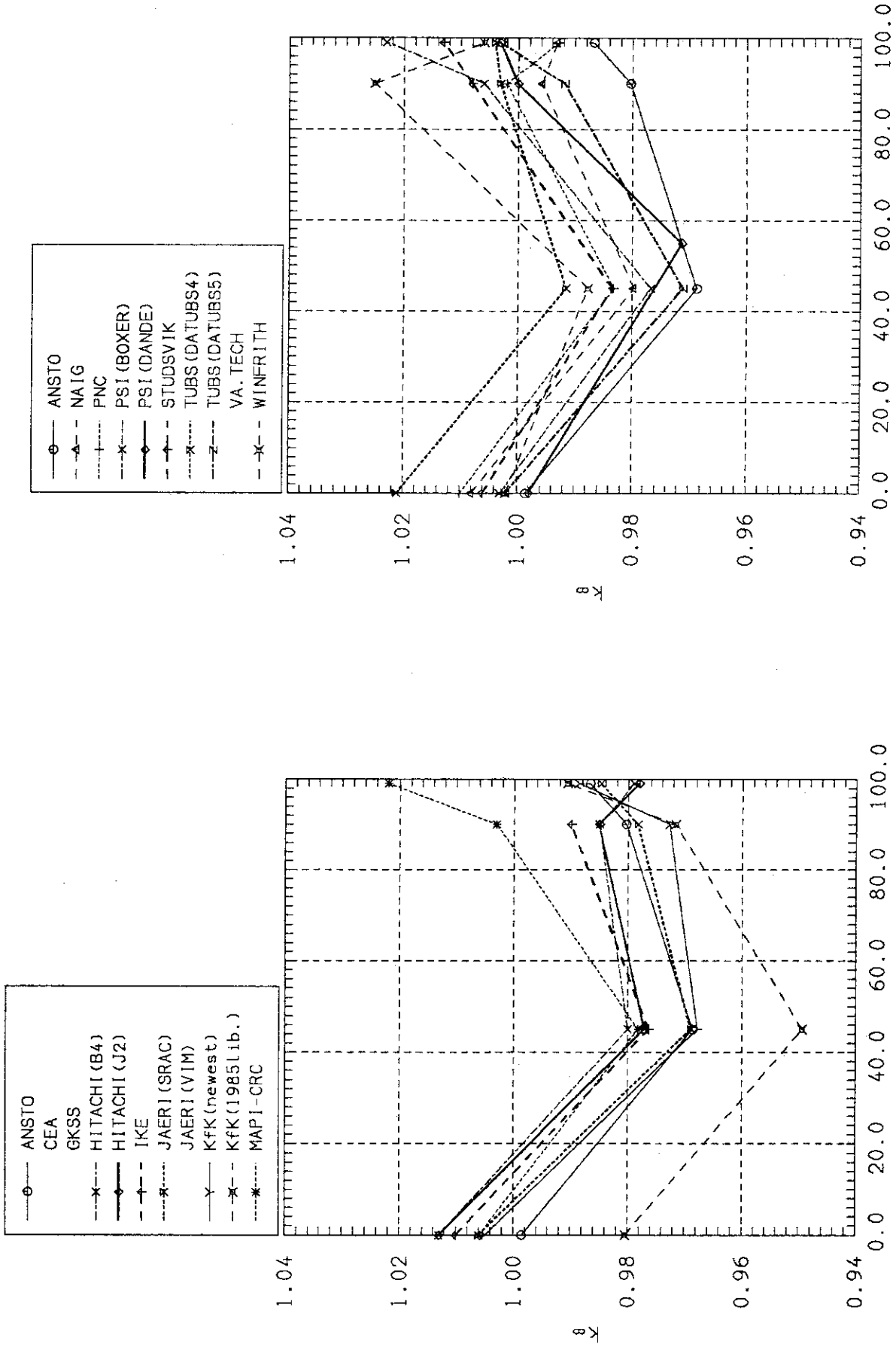


Fig.5.9 Dependence of k_∞ on void fraction : Vm/Vf=1.1, 30GWd/t.

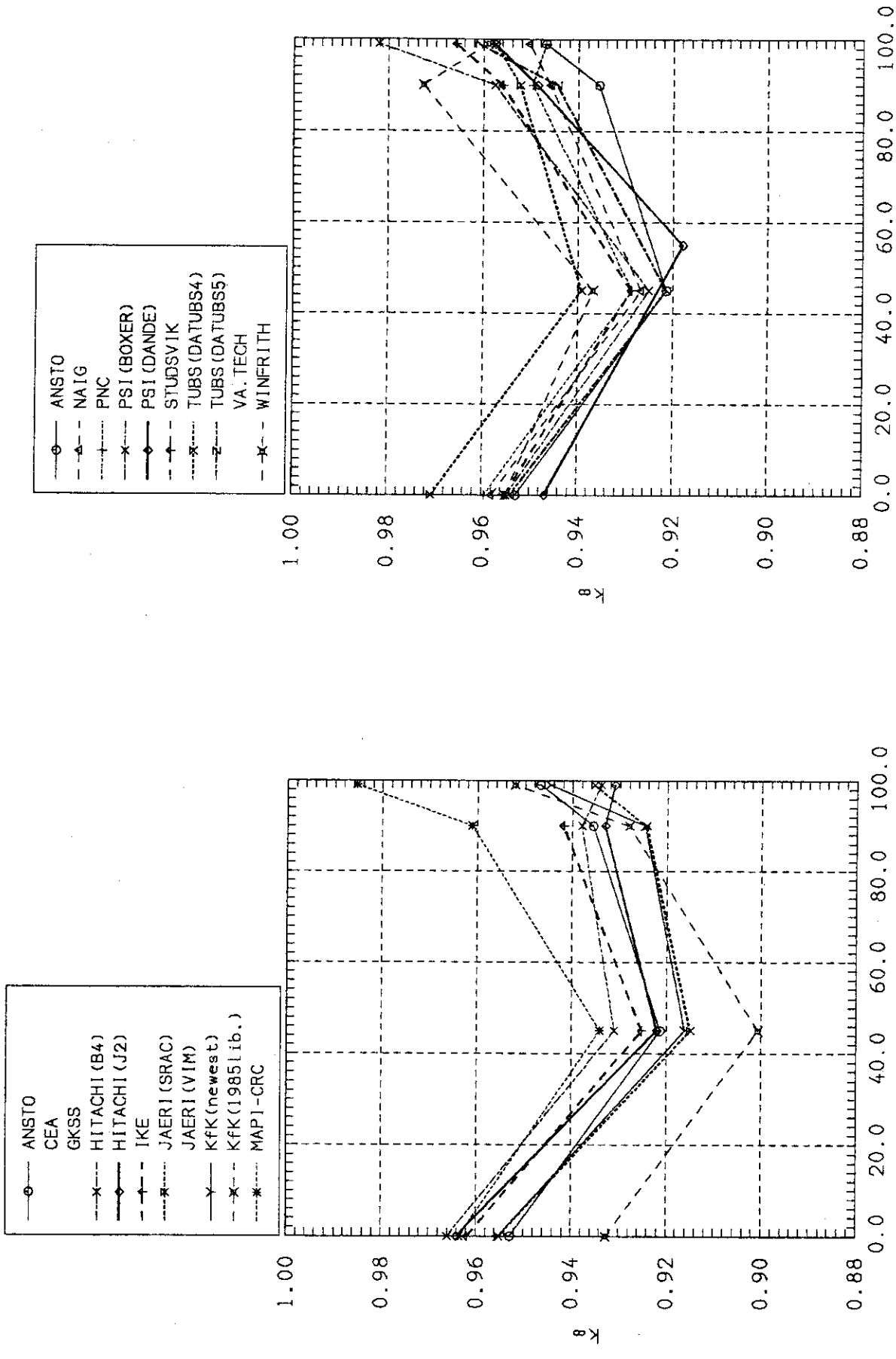


Fig.5.10 Dependence of k_∞ on void fraction : Vm/Vf=1.1, 50GWd/t.

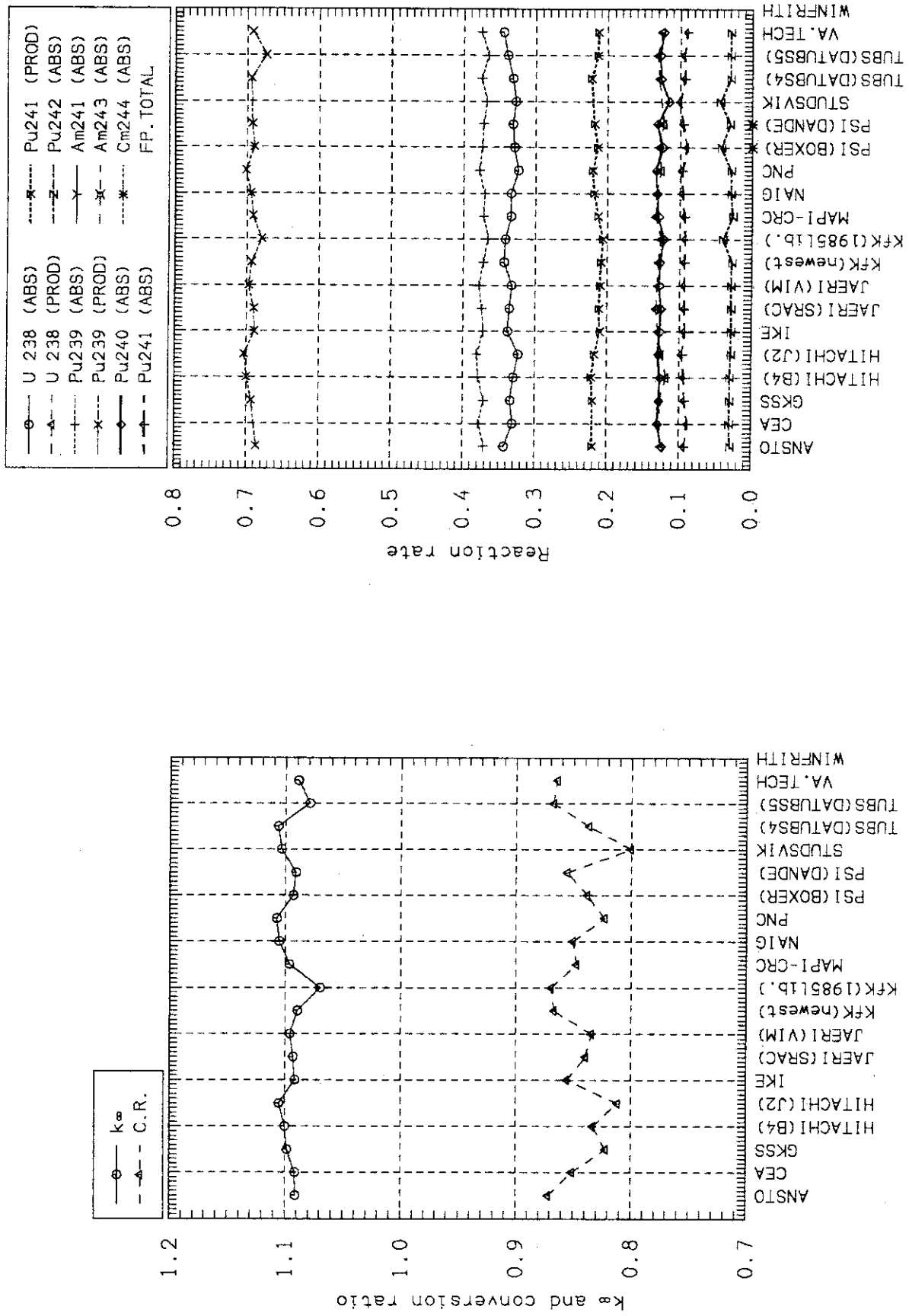
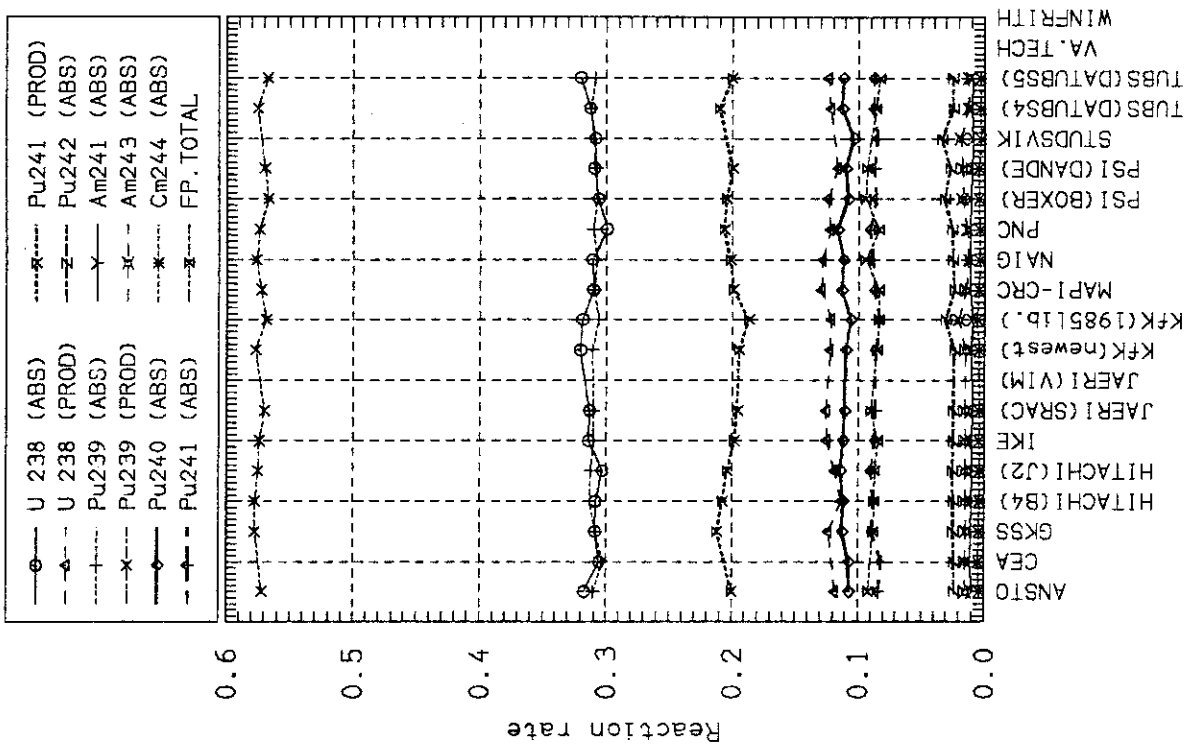


Fig.5.11 k_∞, conversion ratio and reaction rates : Vm/Vf=0.6, 0%void, 0GWd/t.



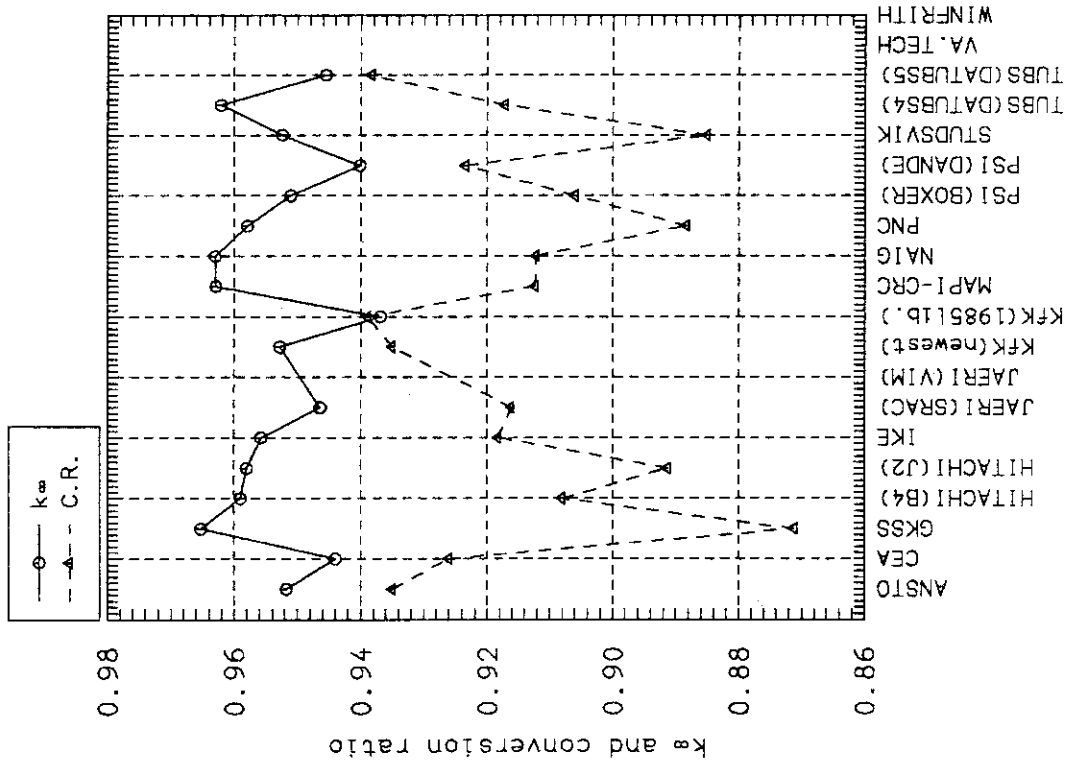


Fig.5.12 k_∞, conversion ratio and reaction rates : Vm/Vf=0.6, 0%void, 50GWd/t.

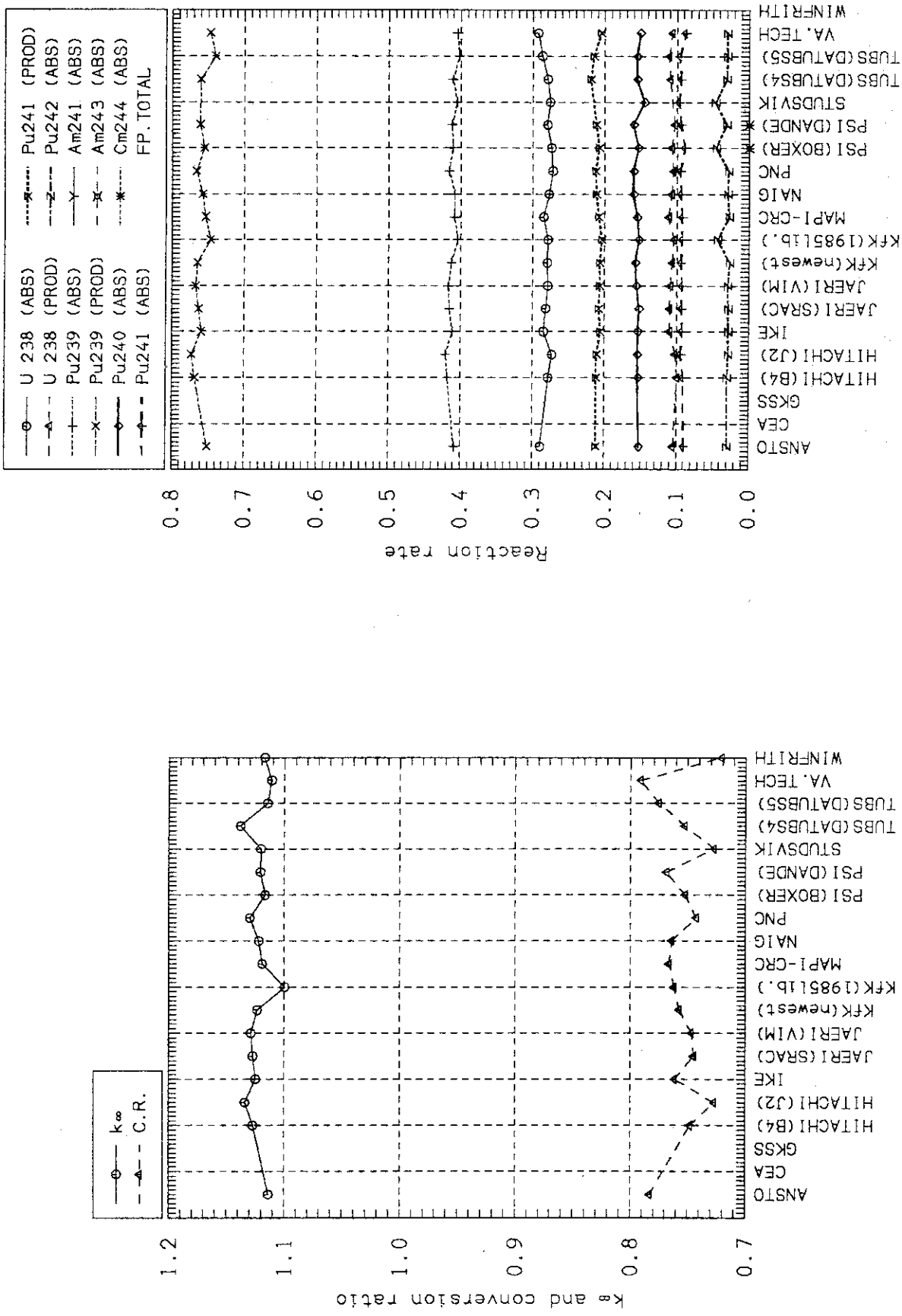


Fig.5.13 k_∞, conversion ratio and reaction rates : Vm/Vf=1.1, 0%void, 0GWd/t.

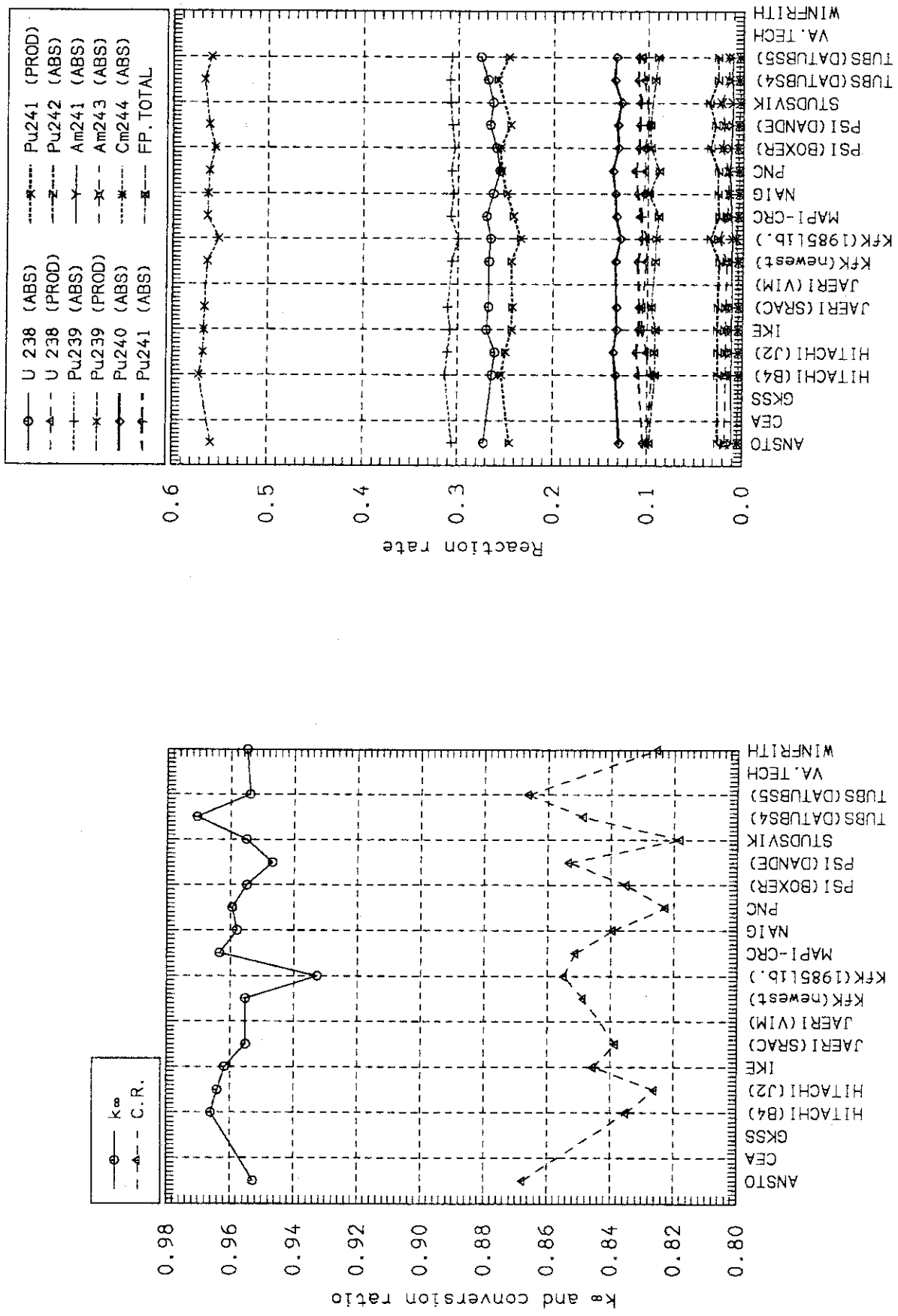


Fig.5.14 k_∞, conversion ratio and reaction rates : Vm/Vf=1.1, 0%void, 50GWd/t.

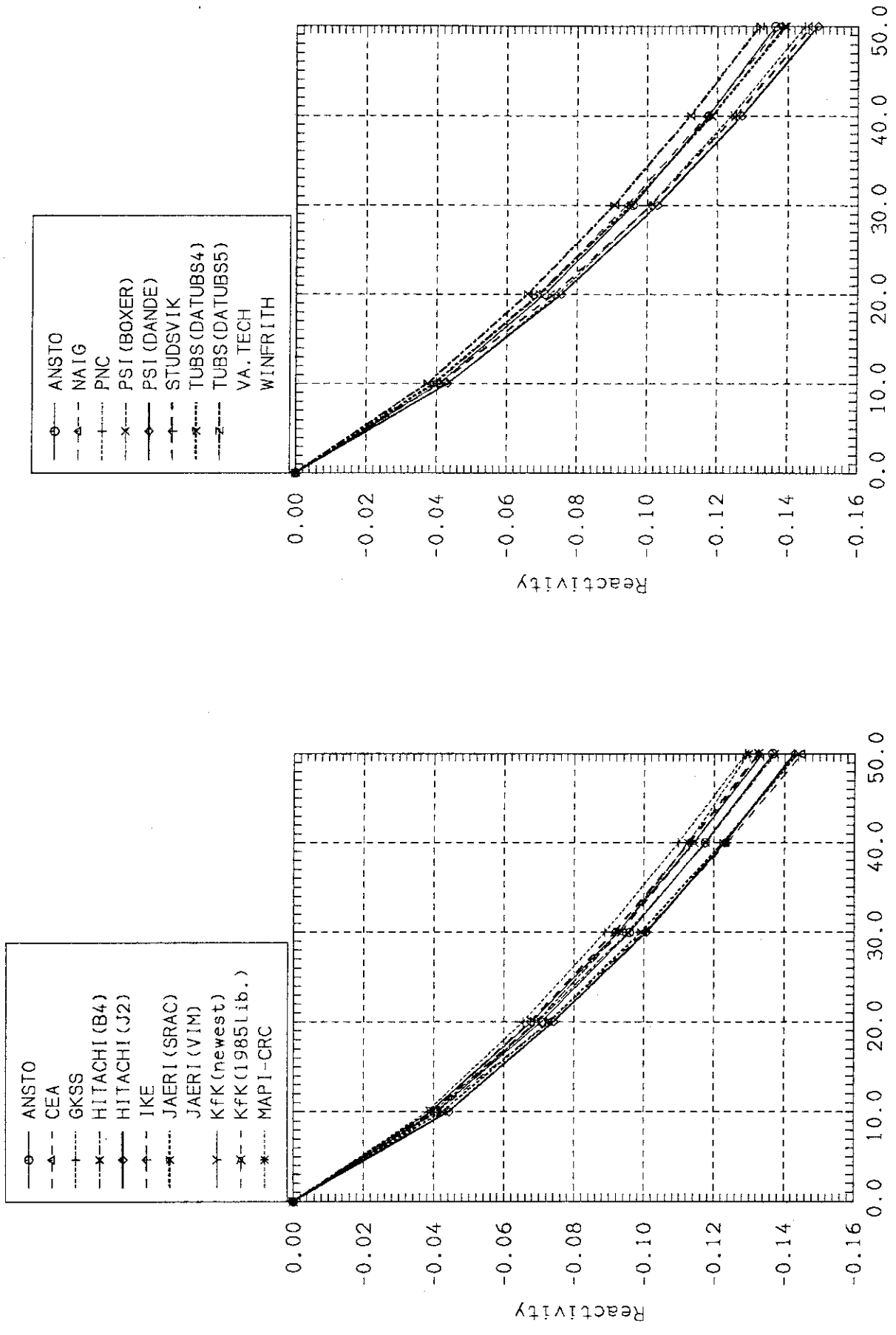


Fig.5.15 Burnup reactivity change : Vm/Vf=0.6.

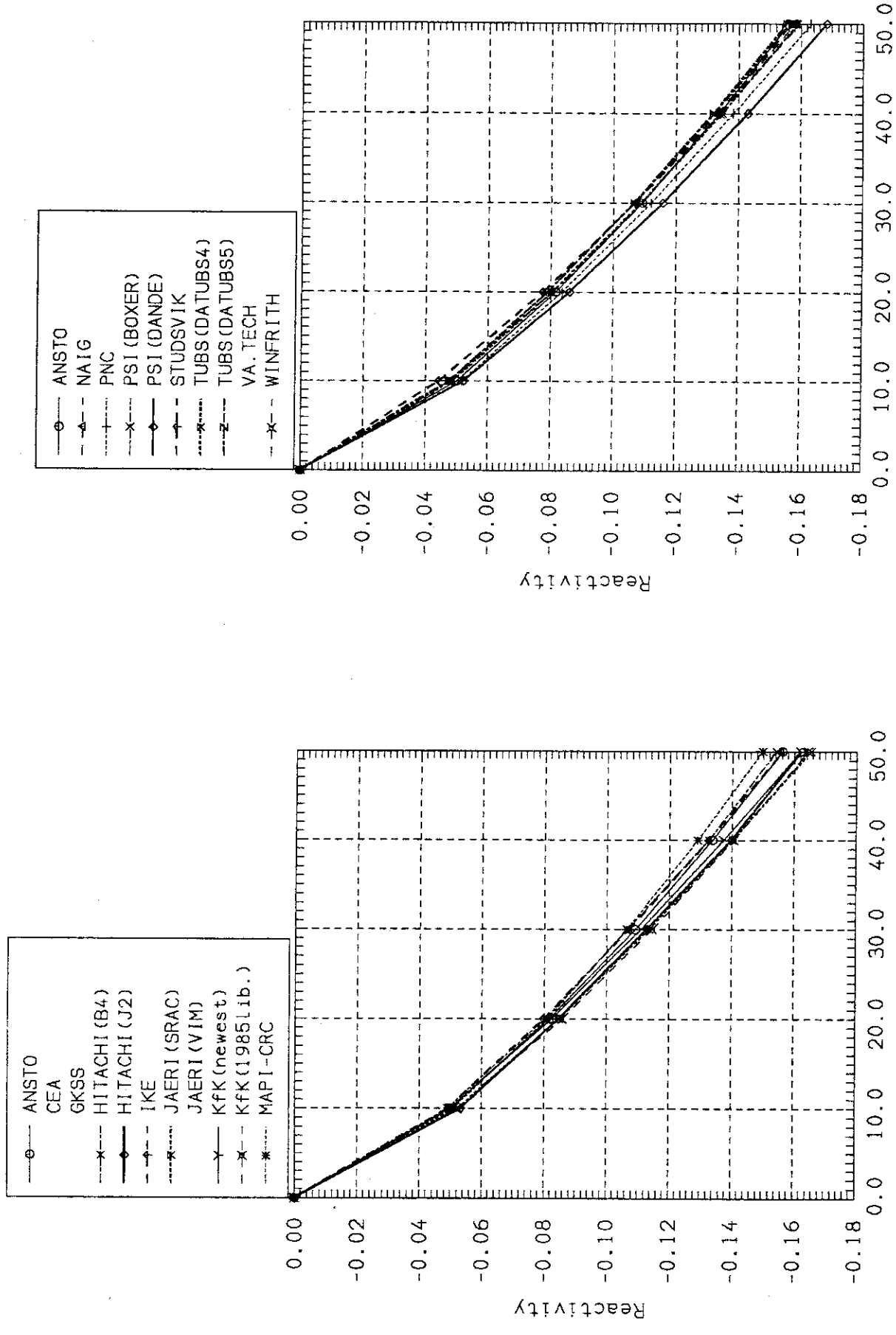


Fig.5.16 Burnup reactivity change : Vm/Vf=1.1.

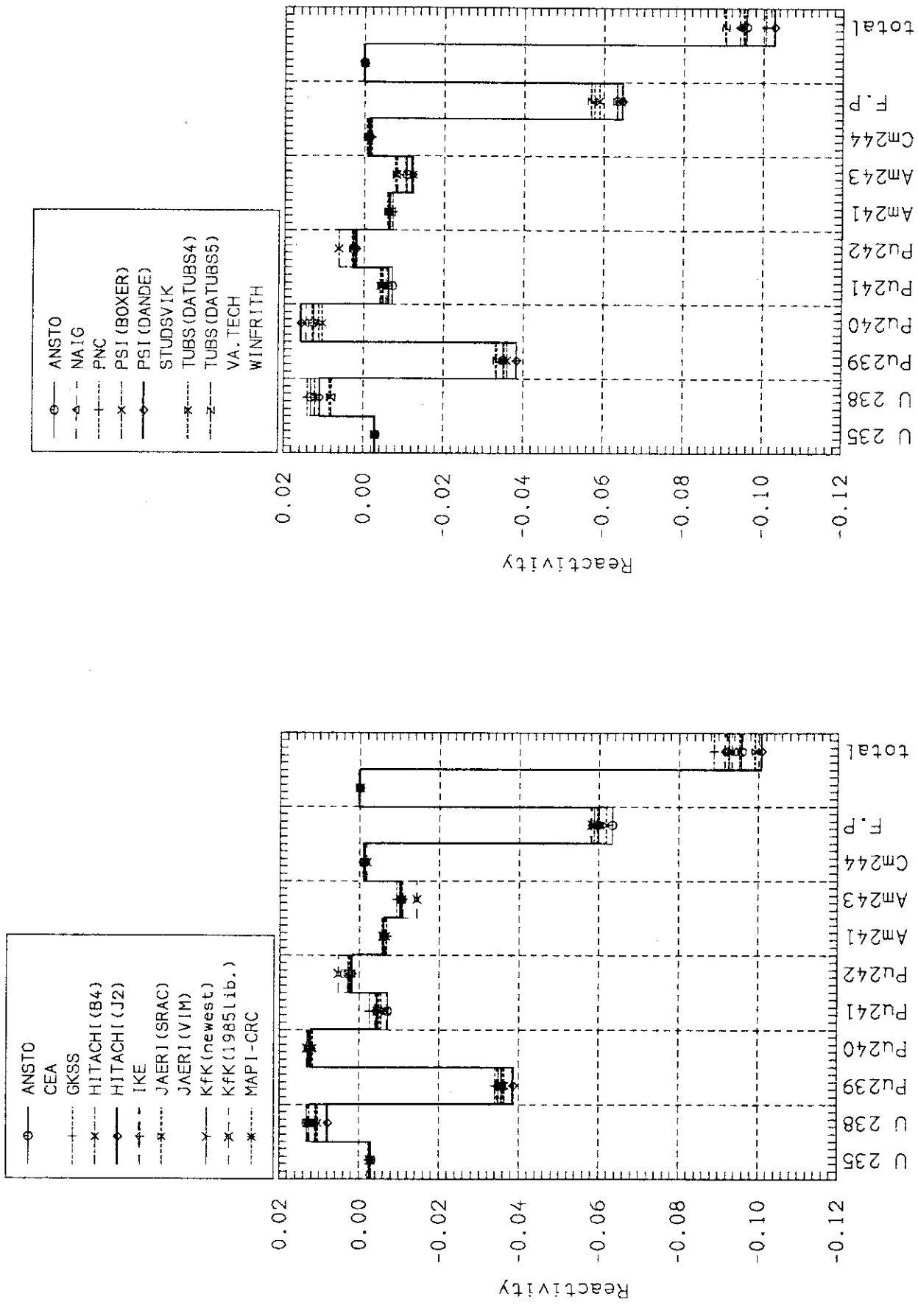


Fig.5.17 Contributions of nuclides to burnup reactivity from 0 to 30GWd/t : Vm/Vf=0.6.

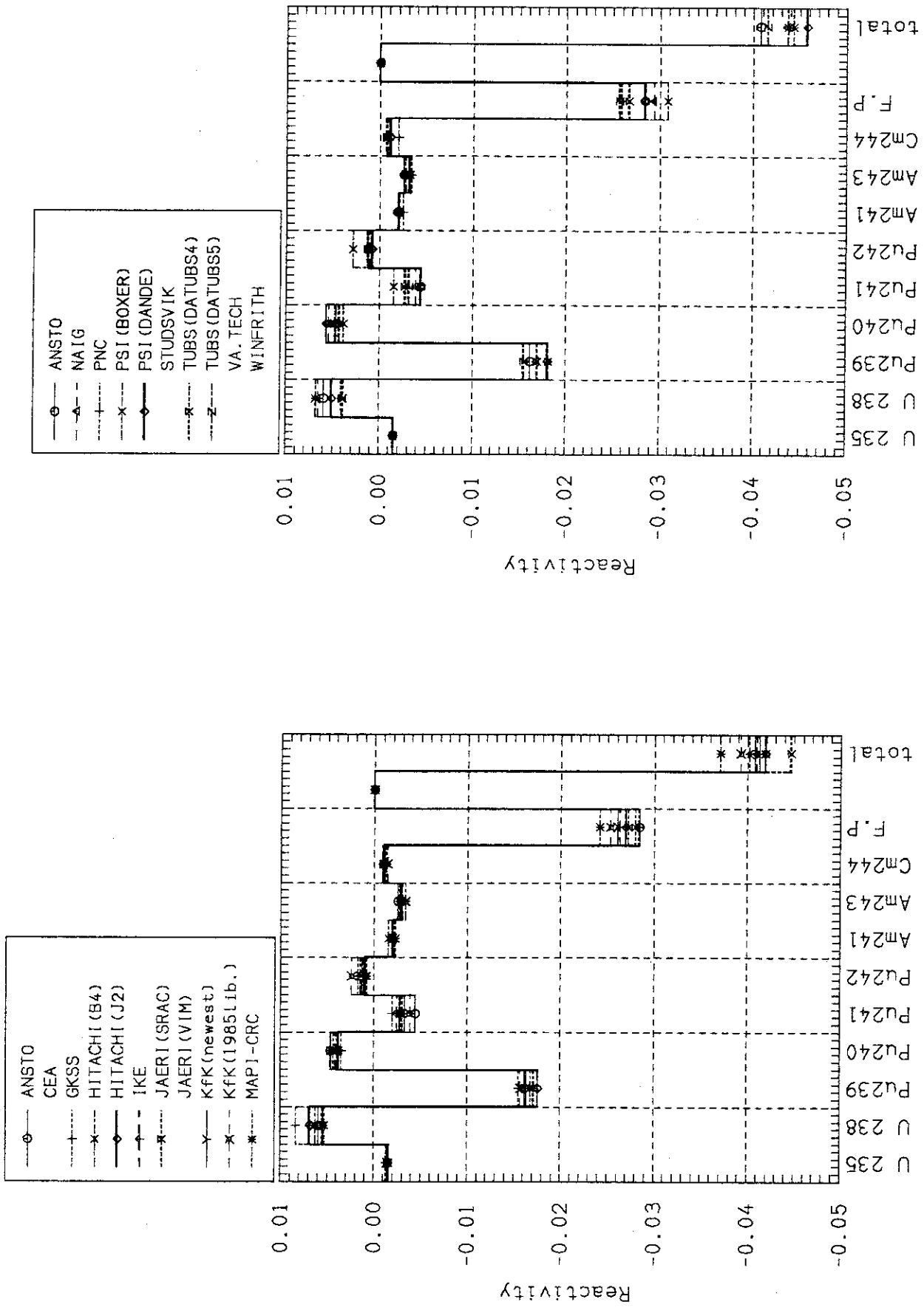


Fig.5.18 Contributions of nuclides to burnup reactivity from 30 to 50GWd/t : Vm/Vf=0.6.

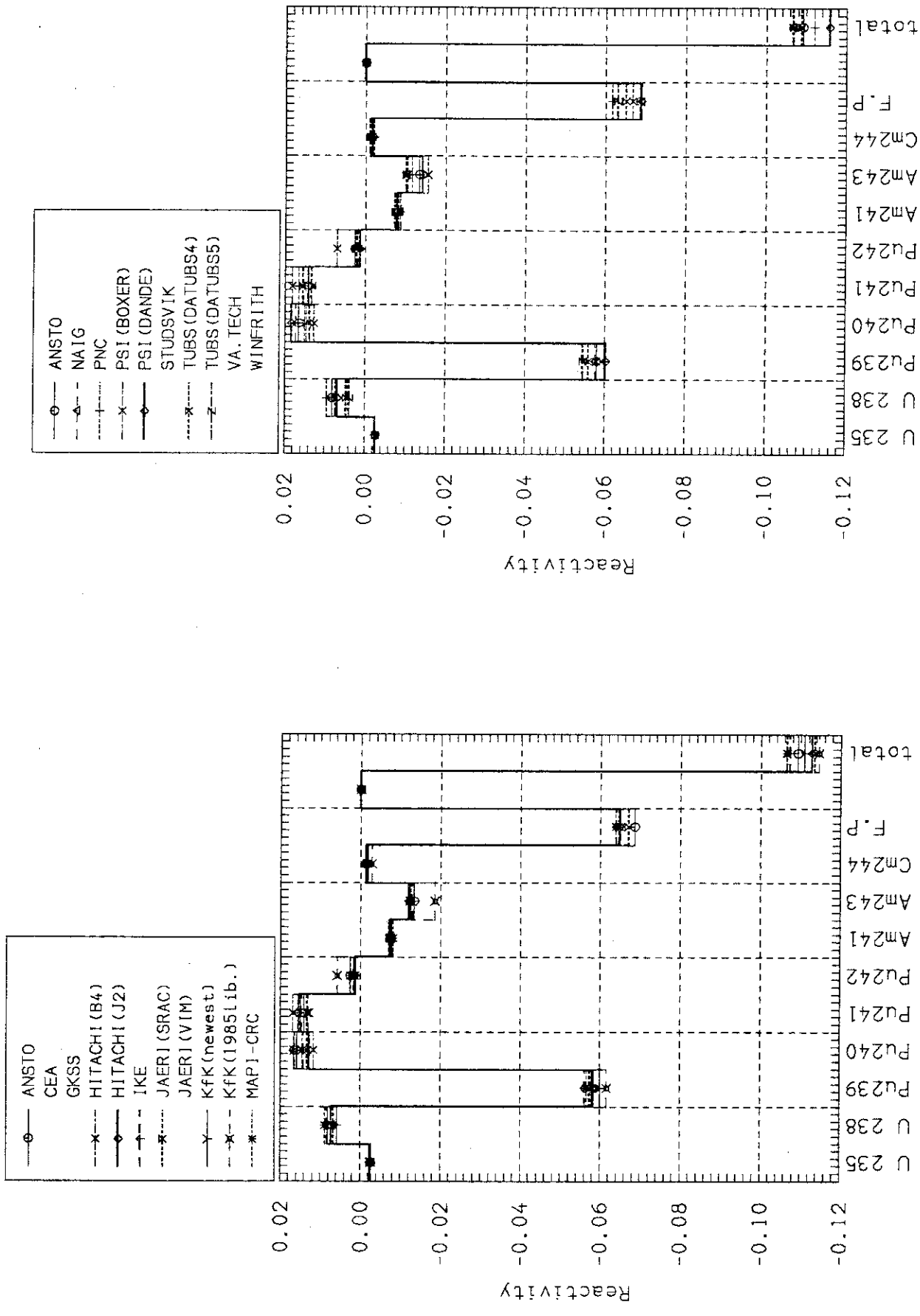


Fig.5.19 Contributions of nuclides to burnup reactivity from 0 to 30GWd/t : Vm/Vf=1.1.

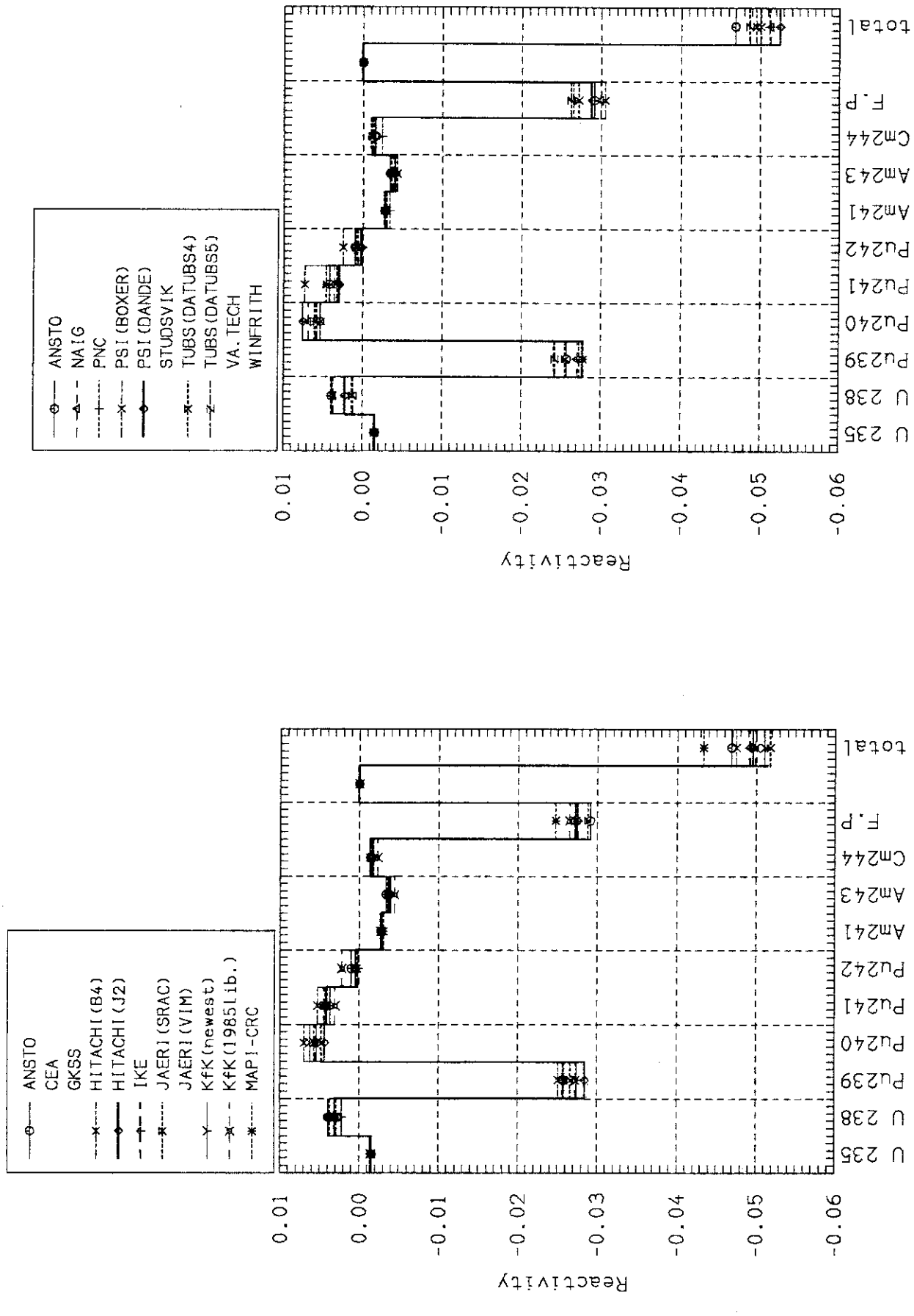


Fig.5.20 Contributions of nuclides to burnup reactivity from 30 to 50GWd/t
: Vm/Vf=1.1.

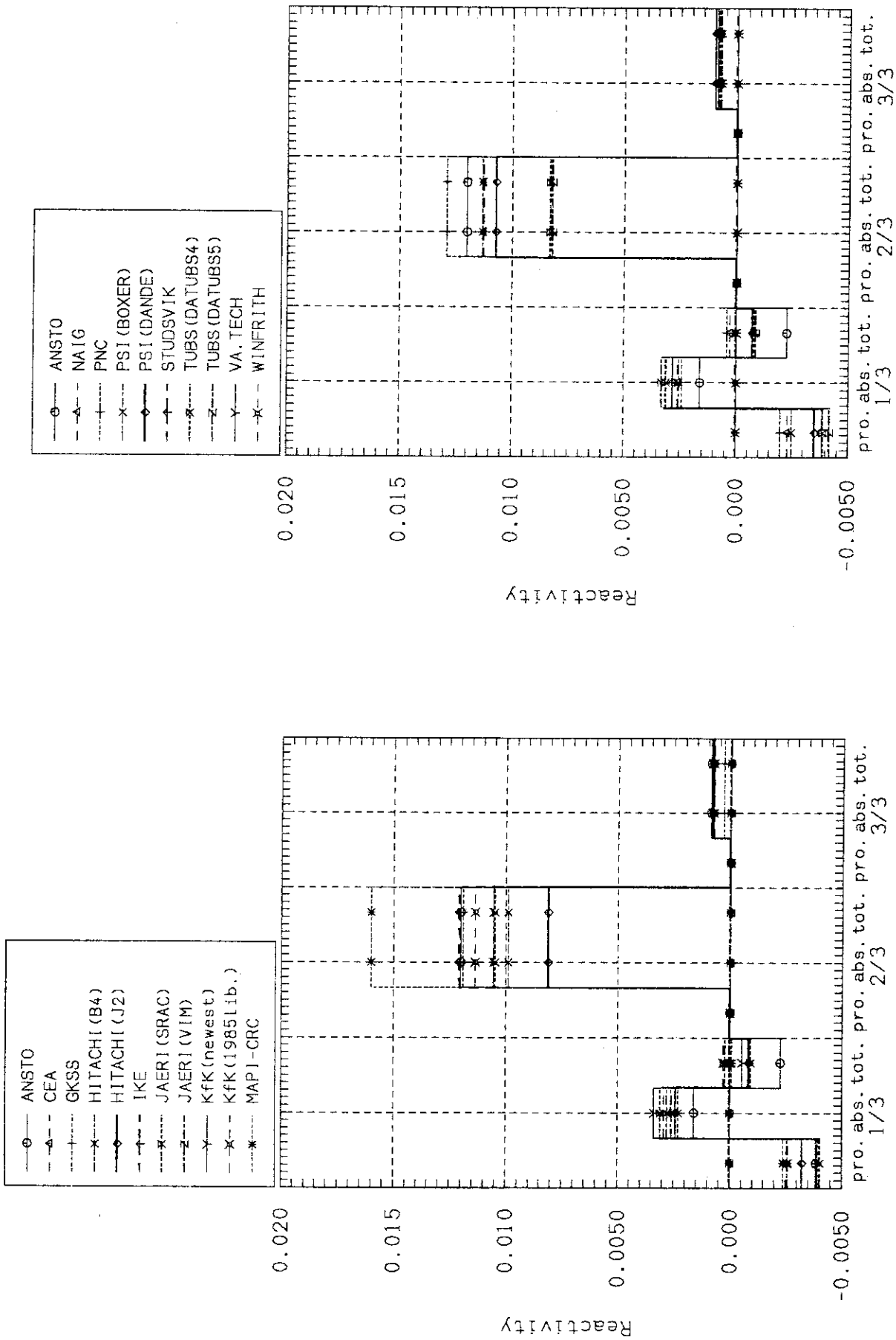


Fig.5.21 Group-wise contributions of U-238 on burnup reactivity from 0 to 30GWd/t : Vm/Vf=0.6.

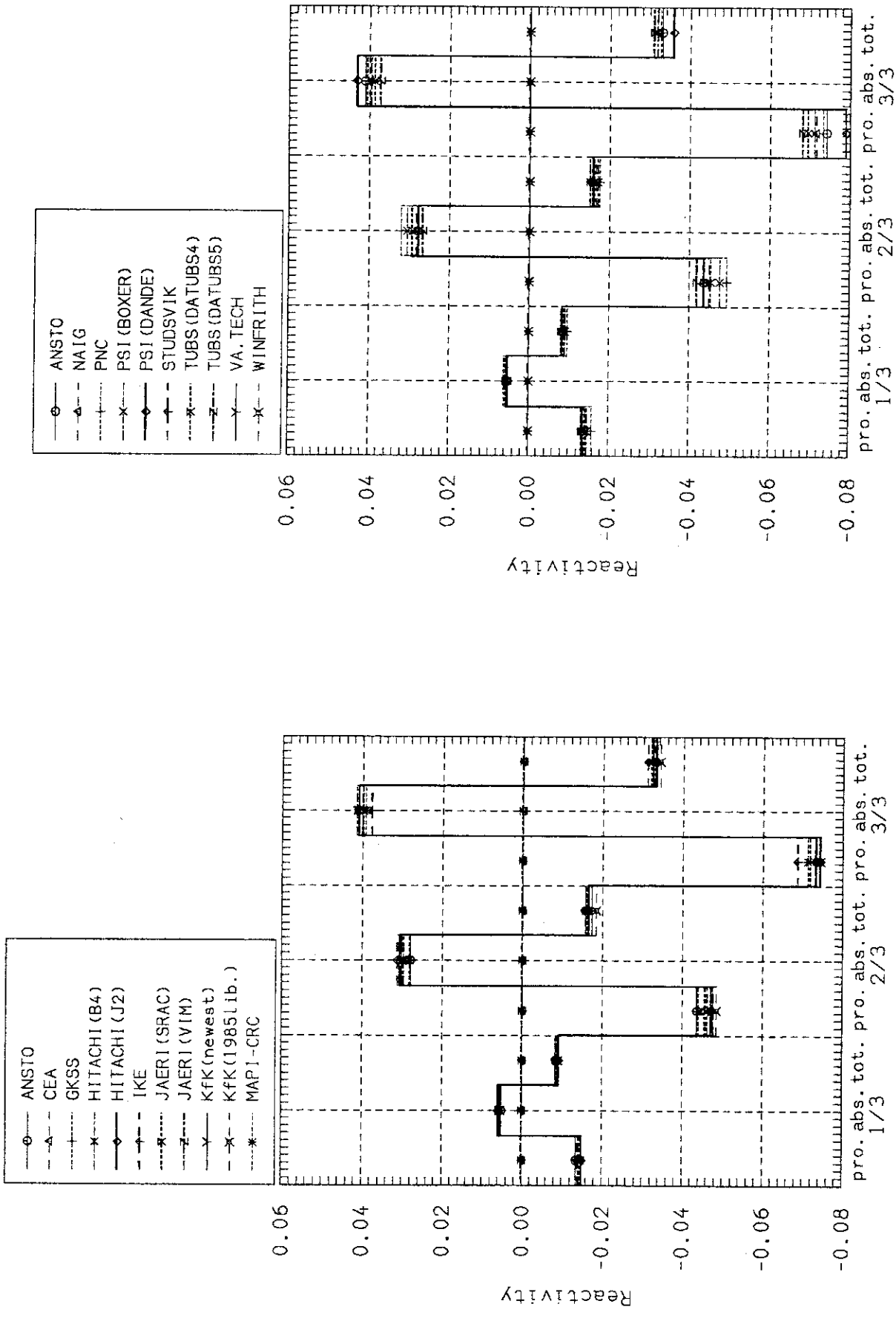


Fig.5.22 Group-wise contributions of Pu-239 on burnup reactivity from 0 to 30GWd/t : Vm/Vf=1.1.

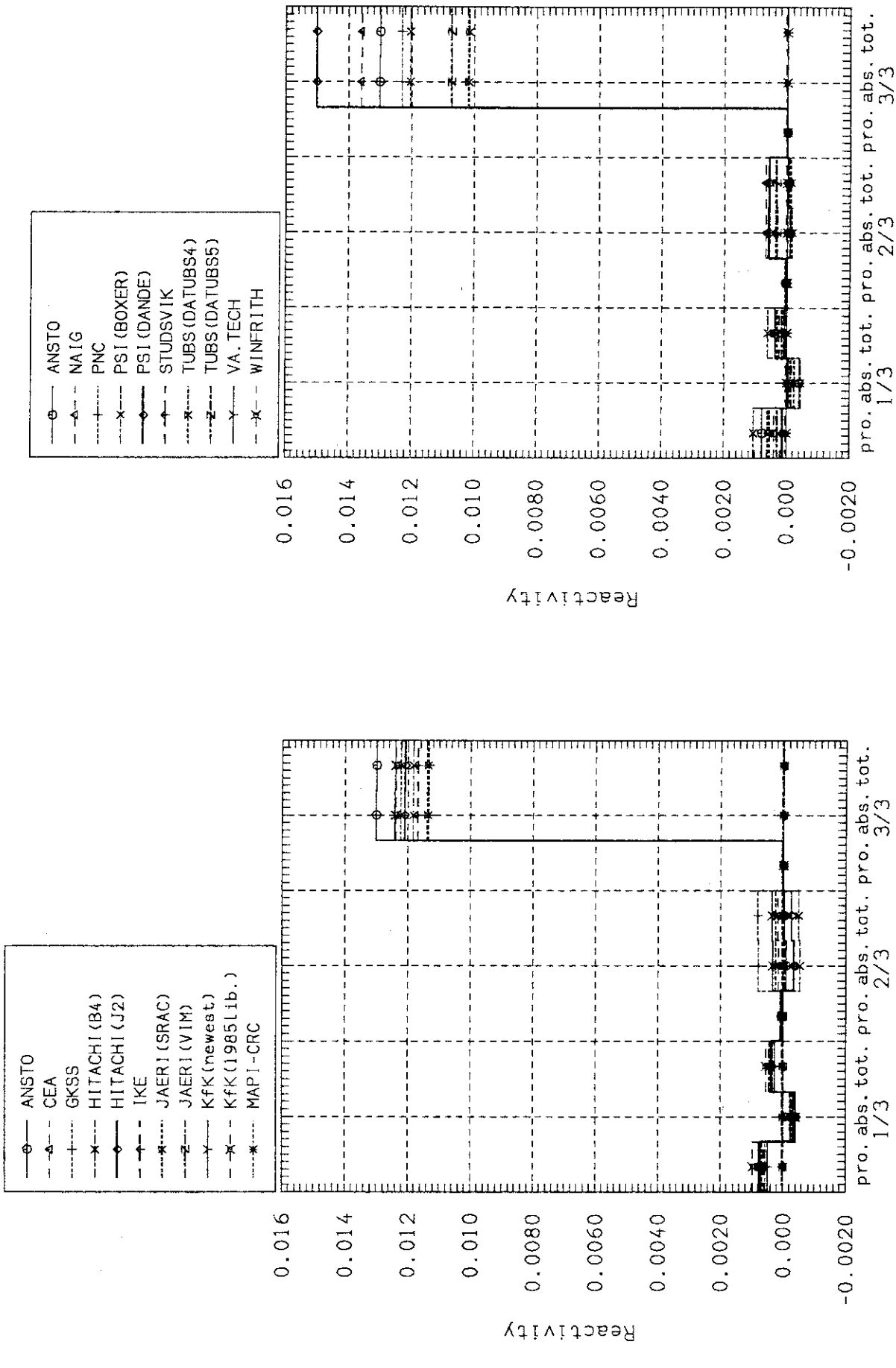


Fig.5.23 Group-wise contributions of Pu-240 on burnup reactivity from 0 to 30GWd/t : Vm/Vf=0.6.

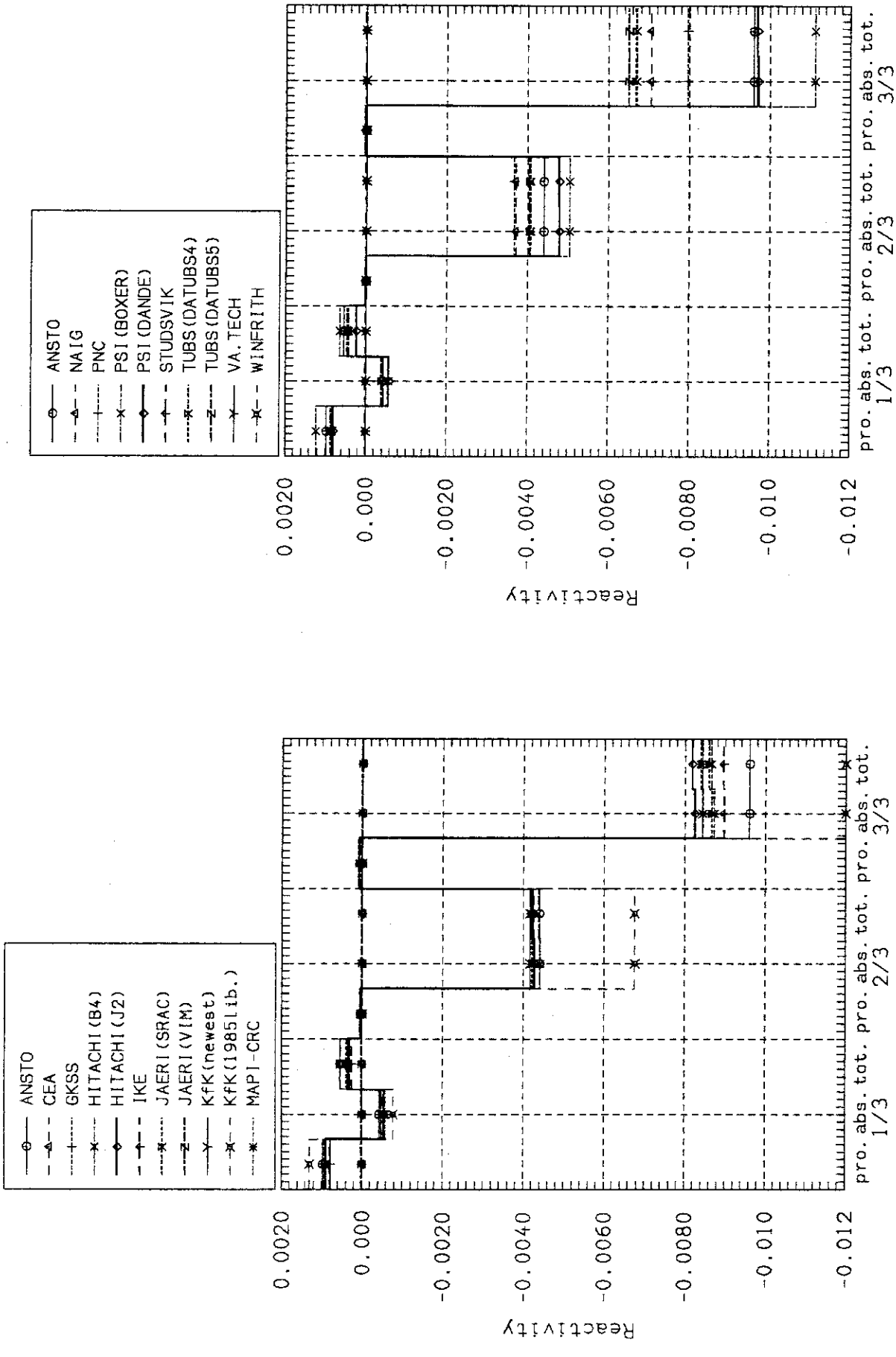


Fig.5.24 Group-wise contributions of Am-243 on burnup reactivity from 0 to 30GWd/t : Vm/Vf=1.1.

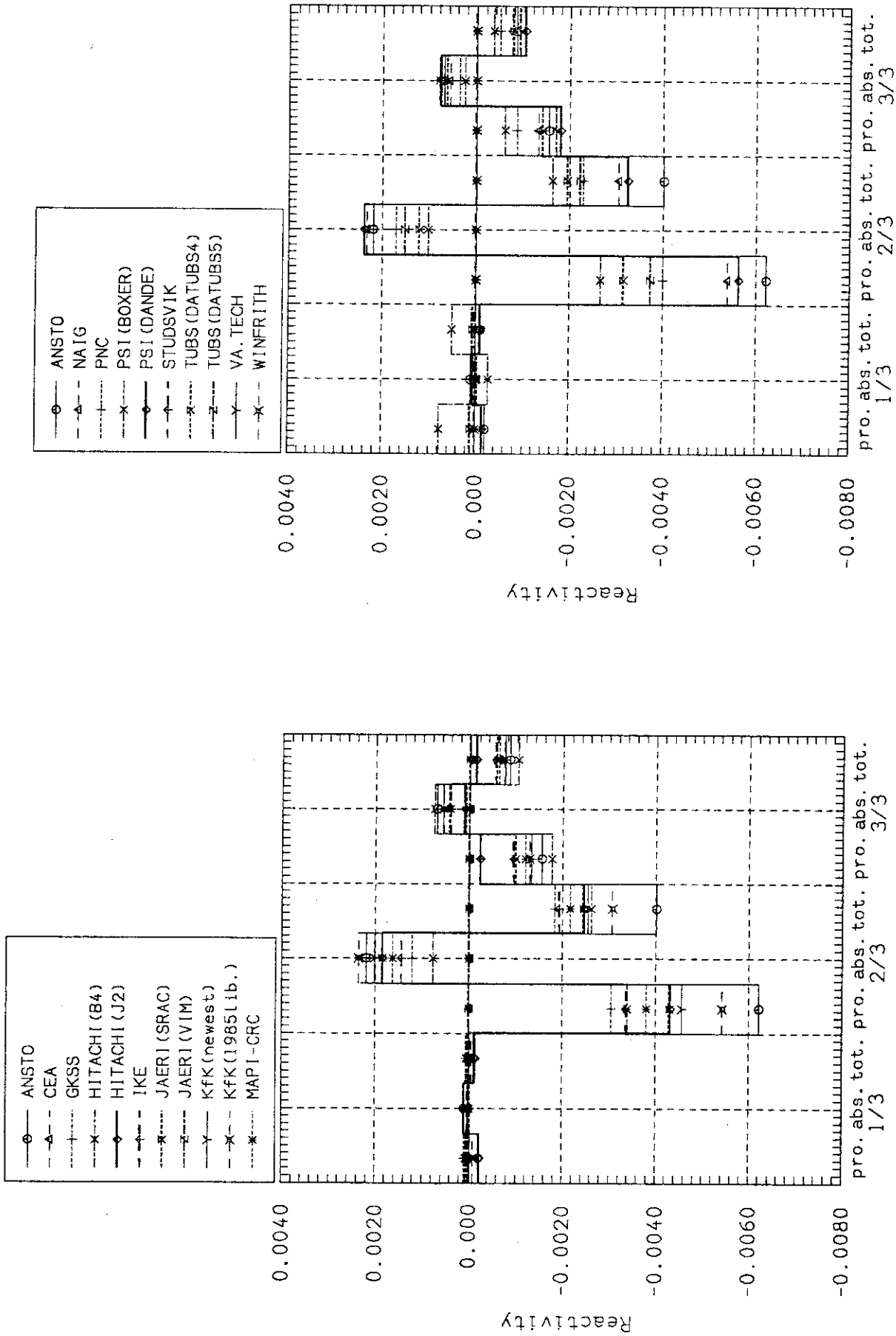


Fig.5.25 Group-wise contributions of Pu-241 on burnup reactivity from 30 to 50GWd/t : Vm/Vf=0.6.

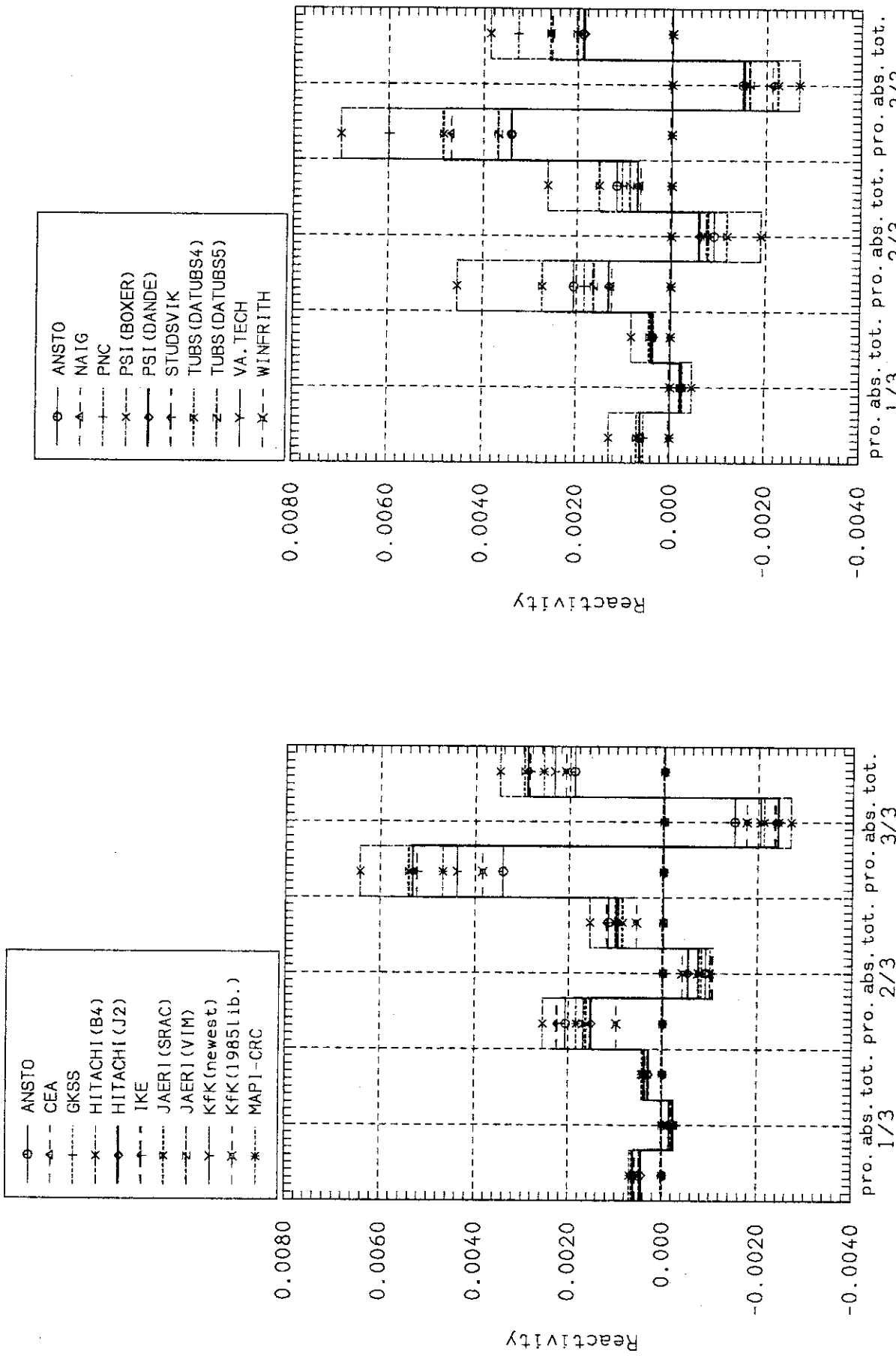


Fig.5.26 Group-wise contributions of Pu-241 on burnup reactivity from 30 to 50GWd/t : Vm/Vf=1.1.

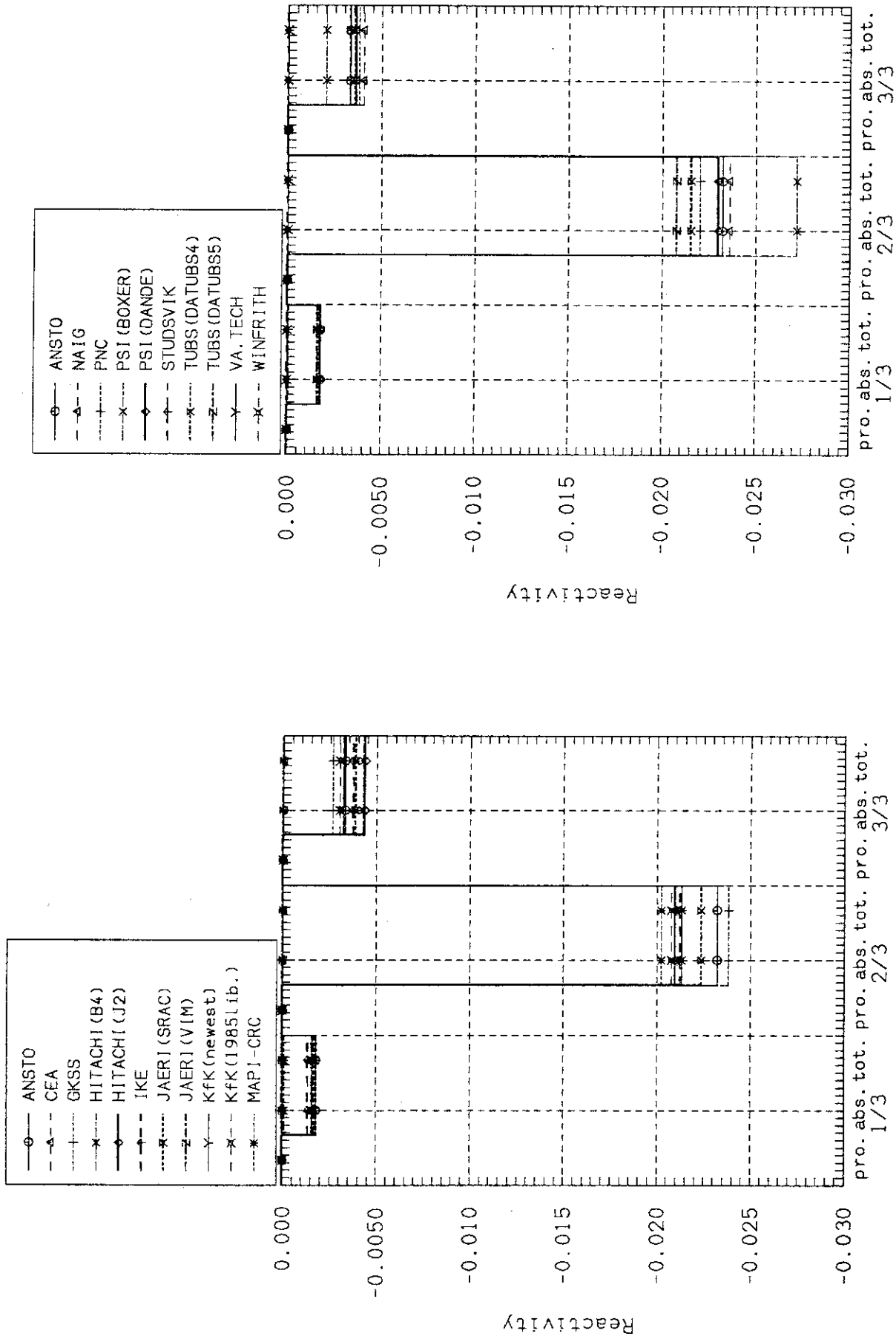


Fig.5.27 Group-wise contributions of fission products on burnup reactivity from 30 to 50GWd/t : Vm/Vf=0.6.

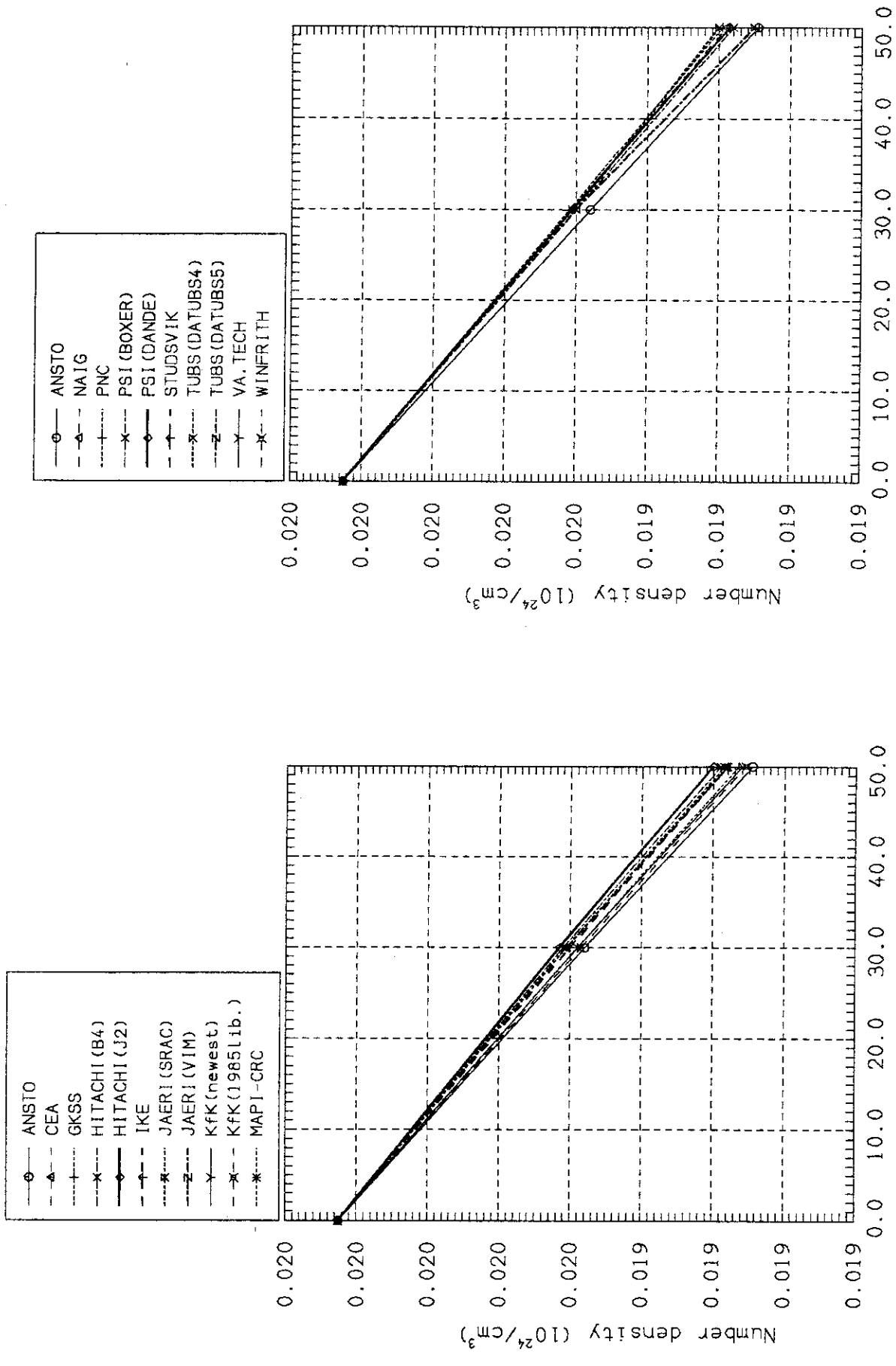


Fig.5.28 Burnup dependence of U-238 number density : Vm/Vf=0.6.

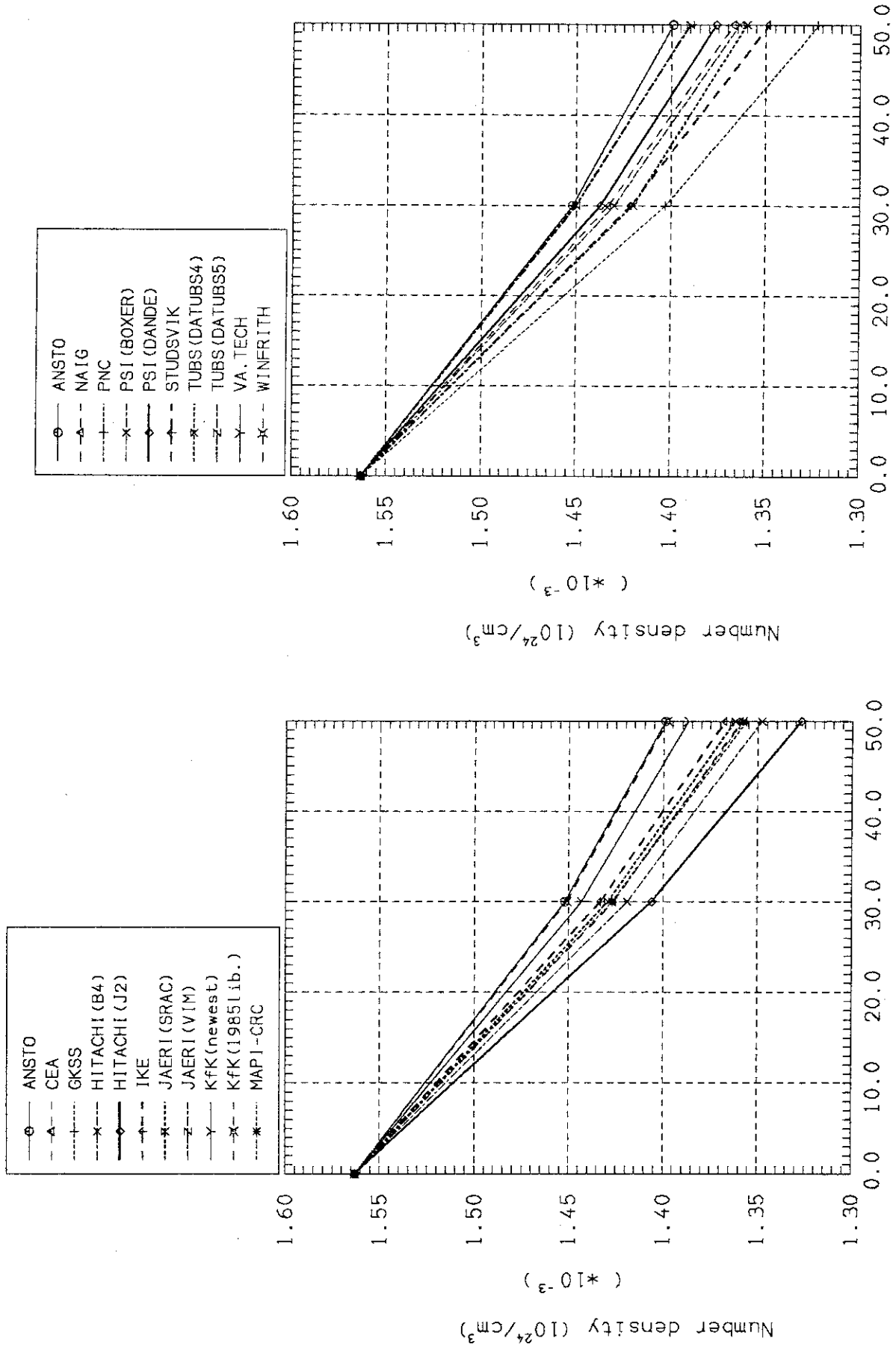


Fig.5.29 Burnup dependence of Pu-239 number density : Vm/Vf=0.6.

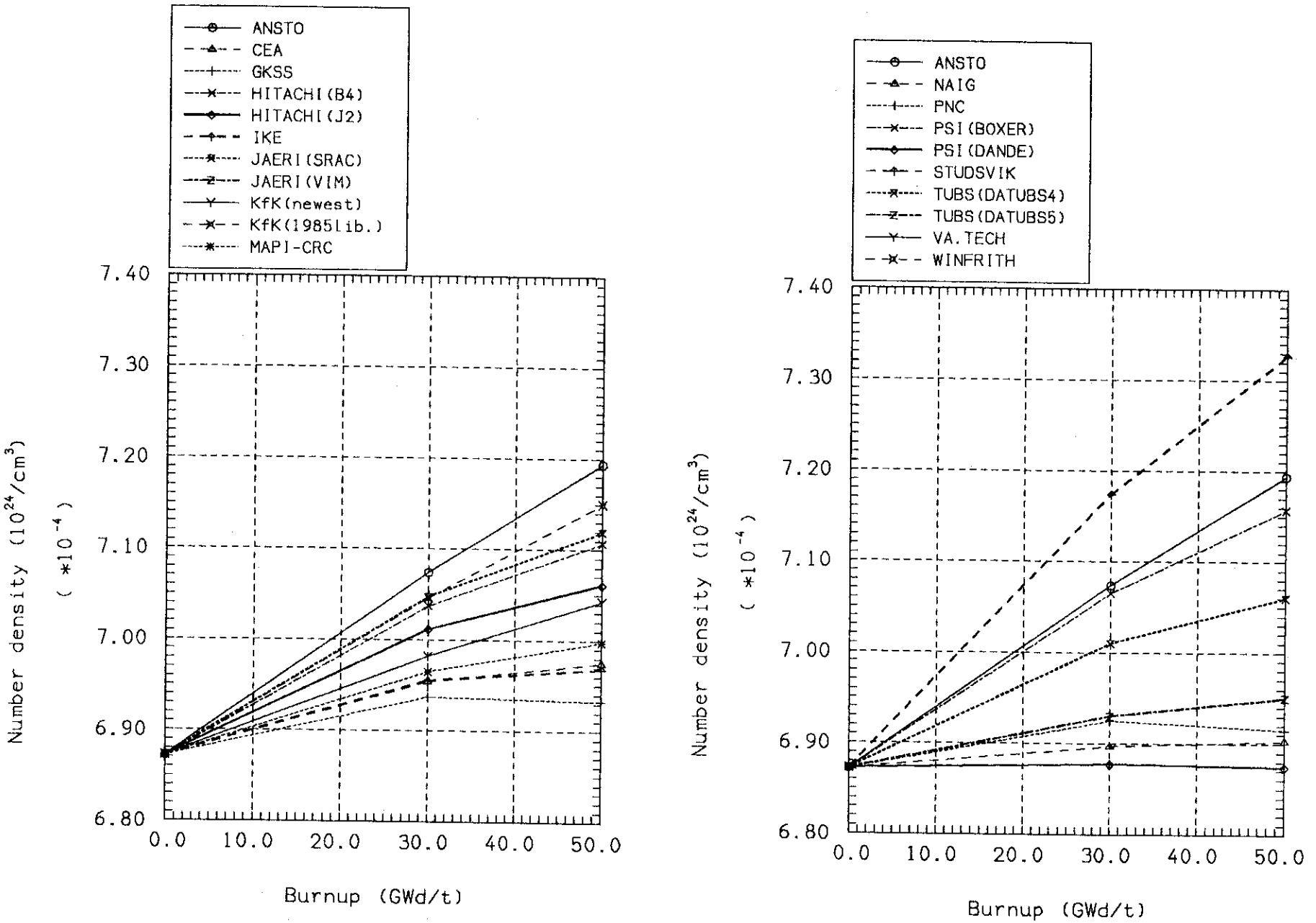


Fig.5.30 Burnup dependence of Pu-240 number density : Vm/Vf=0.6.

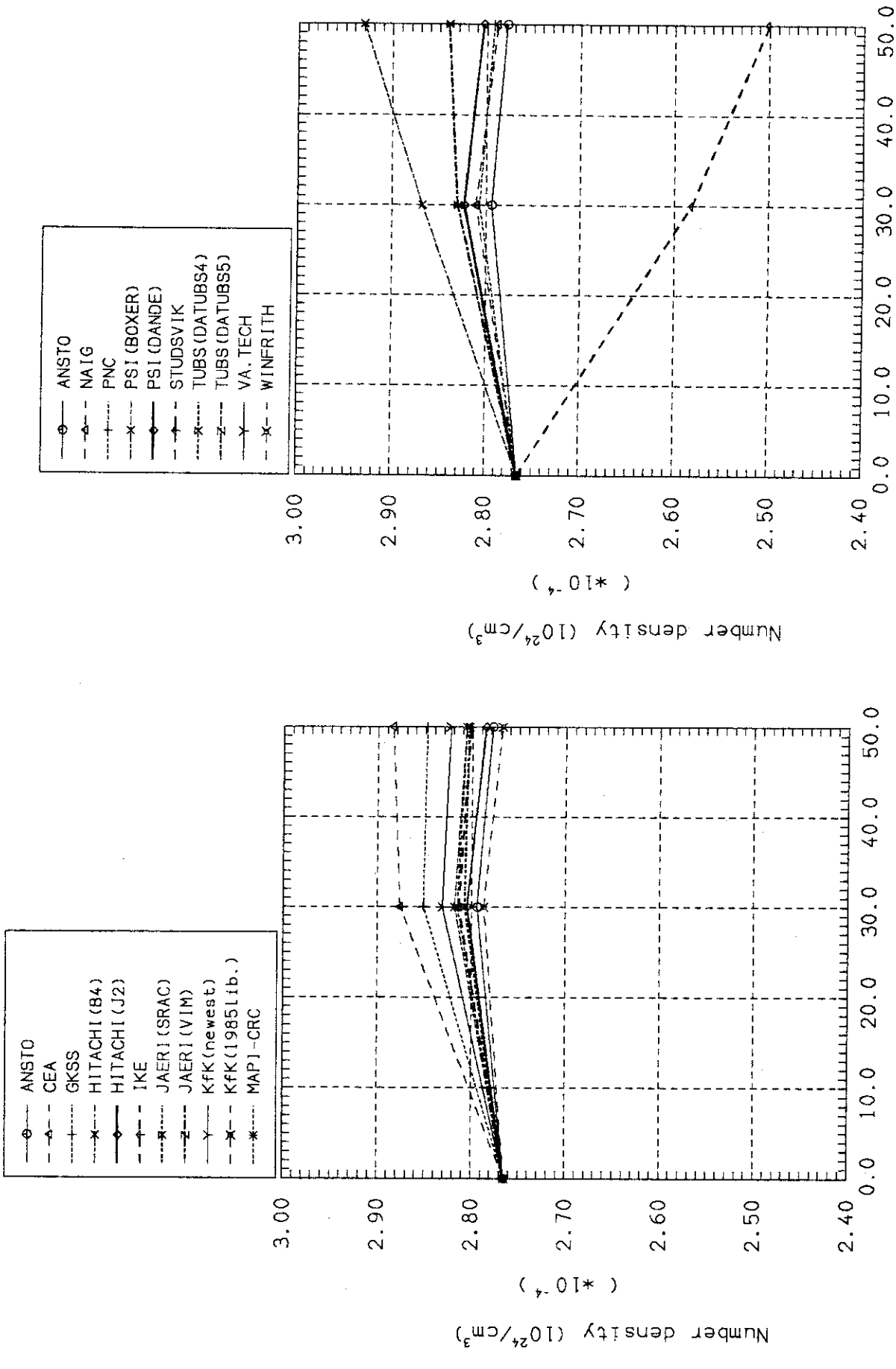


Fig.5.31 Burnup dependence of Pu-241 number density : Vm/Vf=0.6.

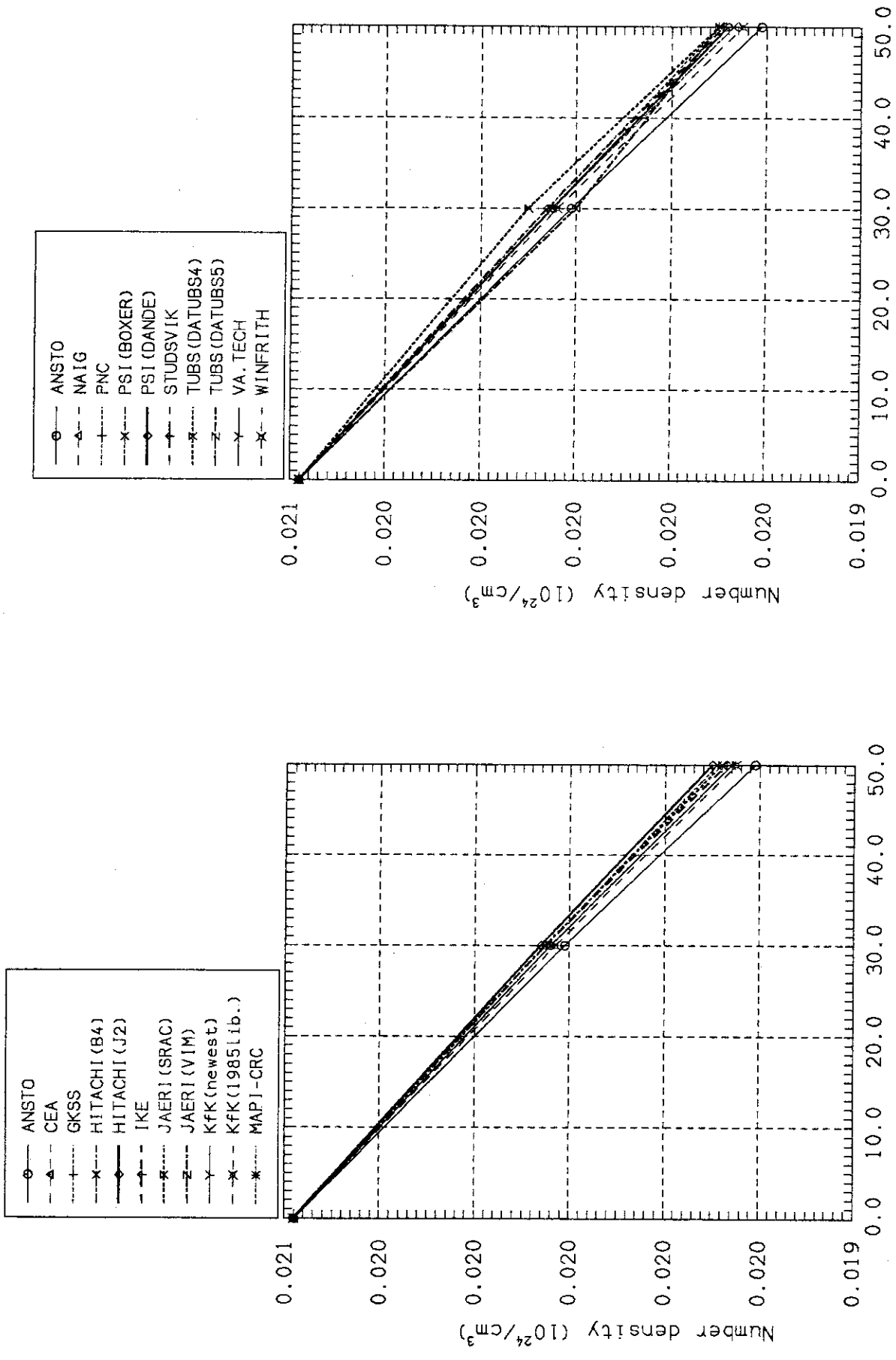


Fig.5.32 Burnup dependence of U-238 number density : Vm/Vf=1.1.

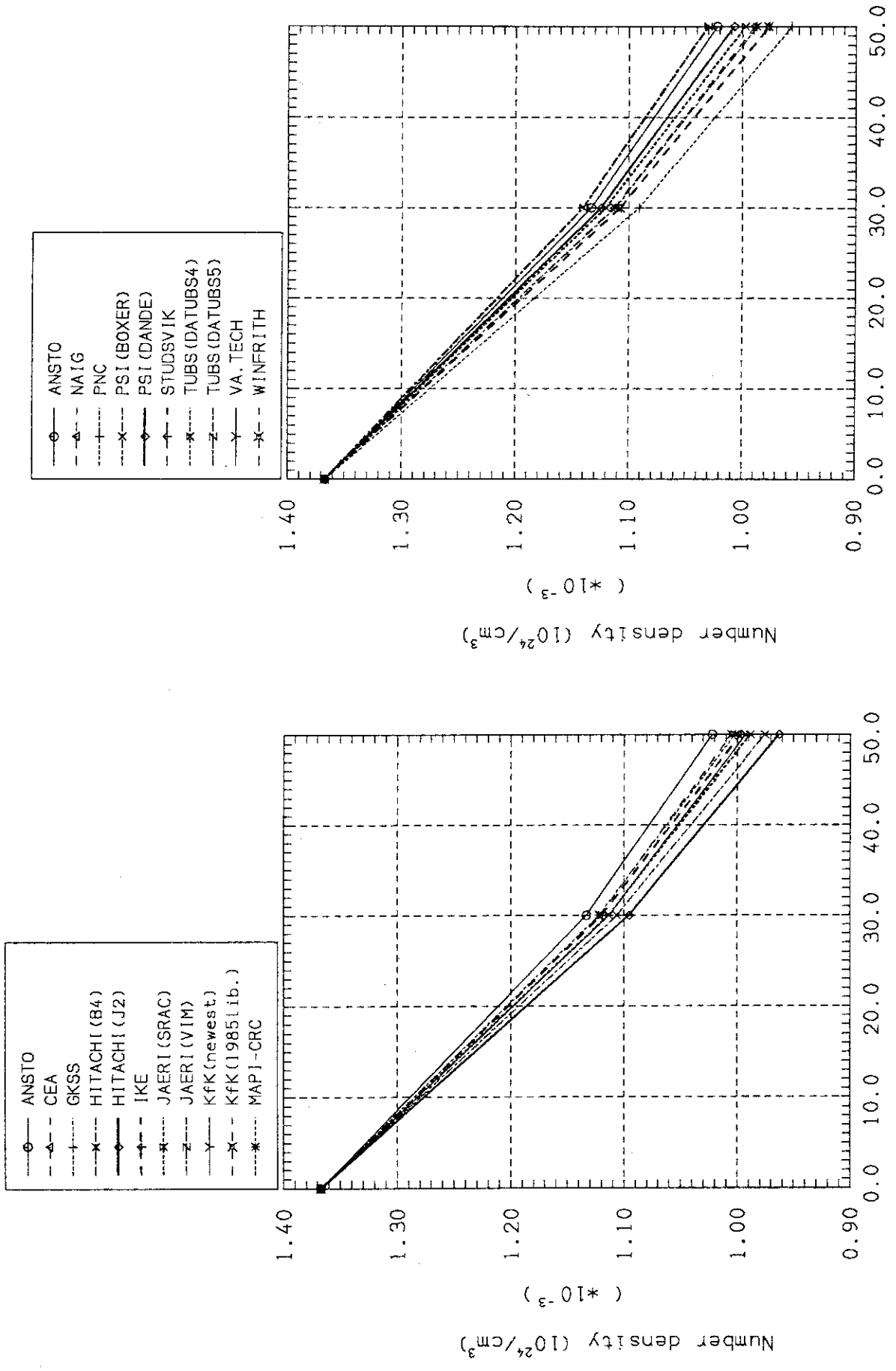


Fig.5.33 Burnup dependence of Pu-239 number density : Vm/Vf=1.1.

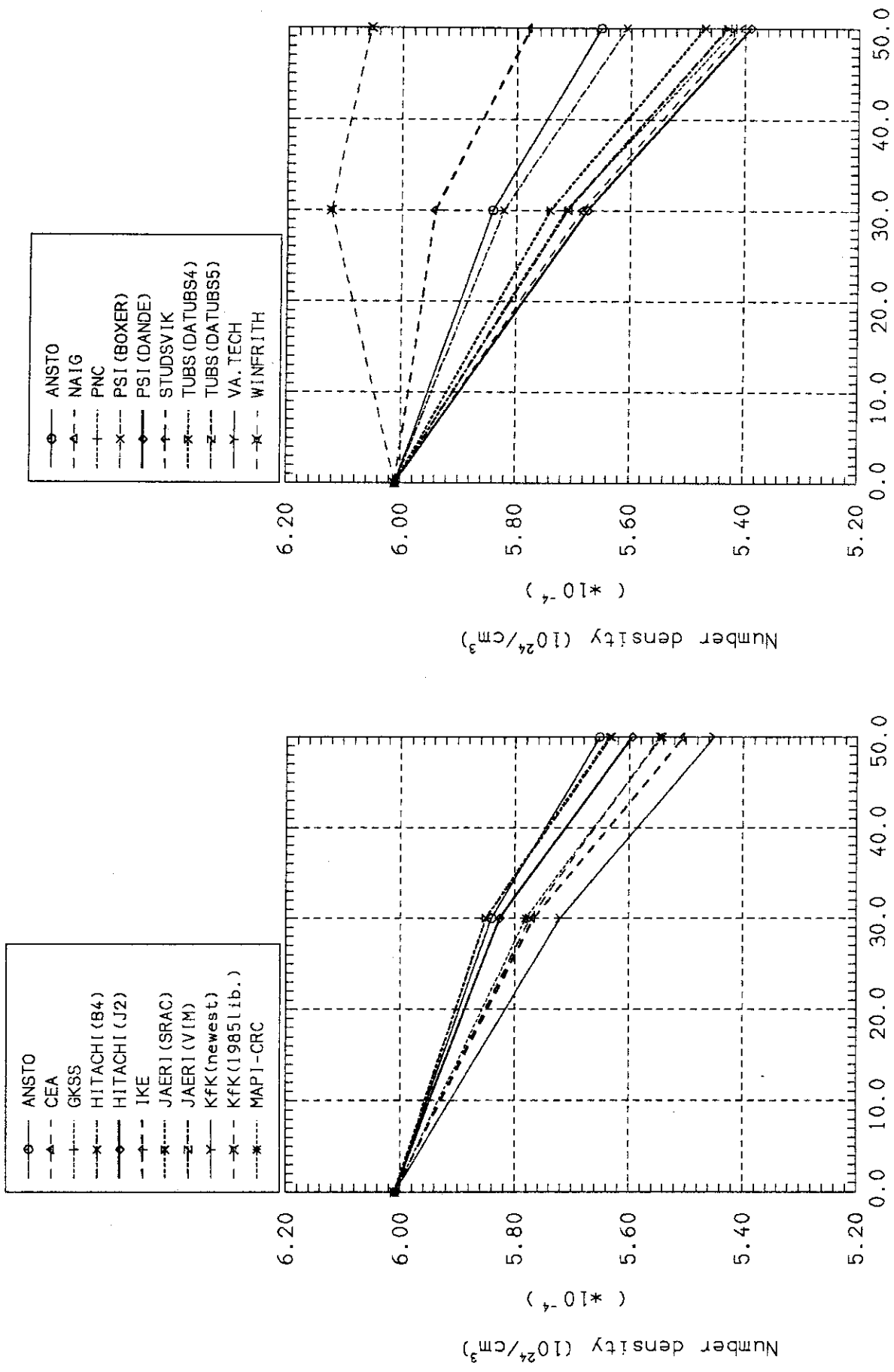


Fig.5.34 Burnup dependence of Pu-240 number density : Vm/Vf=1.1.

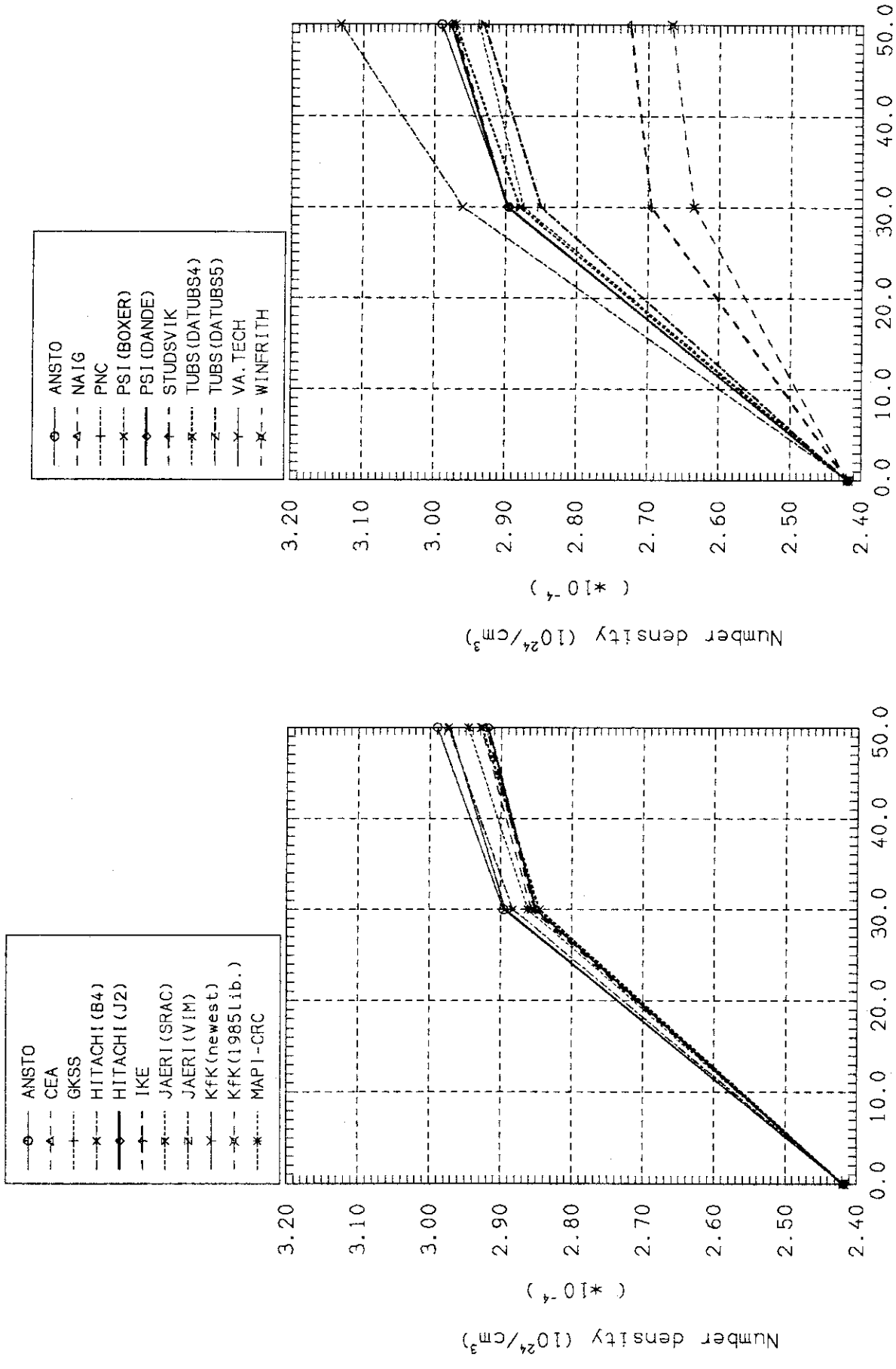


Fig.5.35 Burnup dependence of Pu-241 number density : Vm/Vf=1.1.

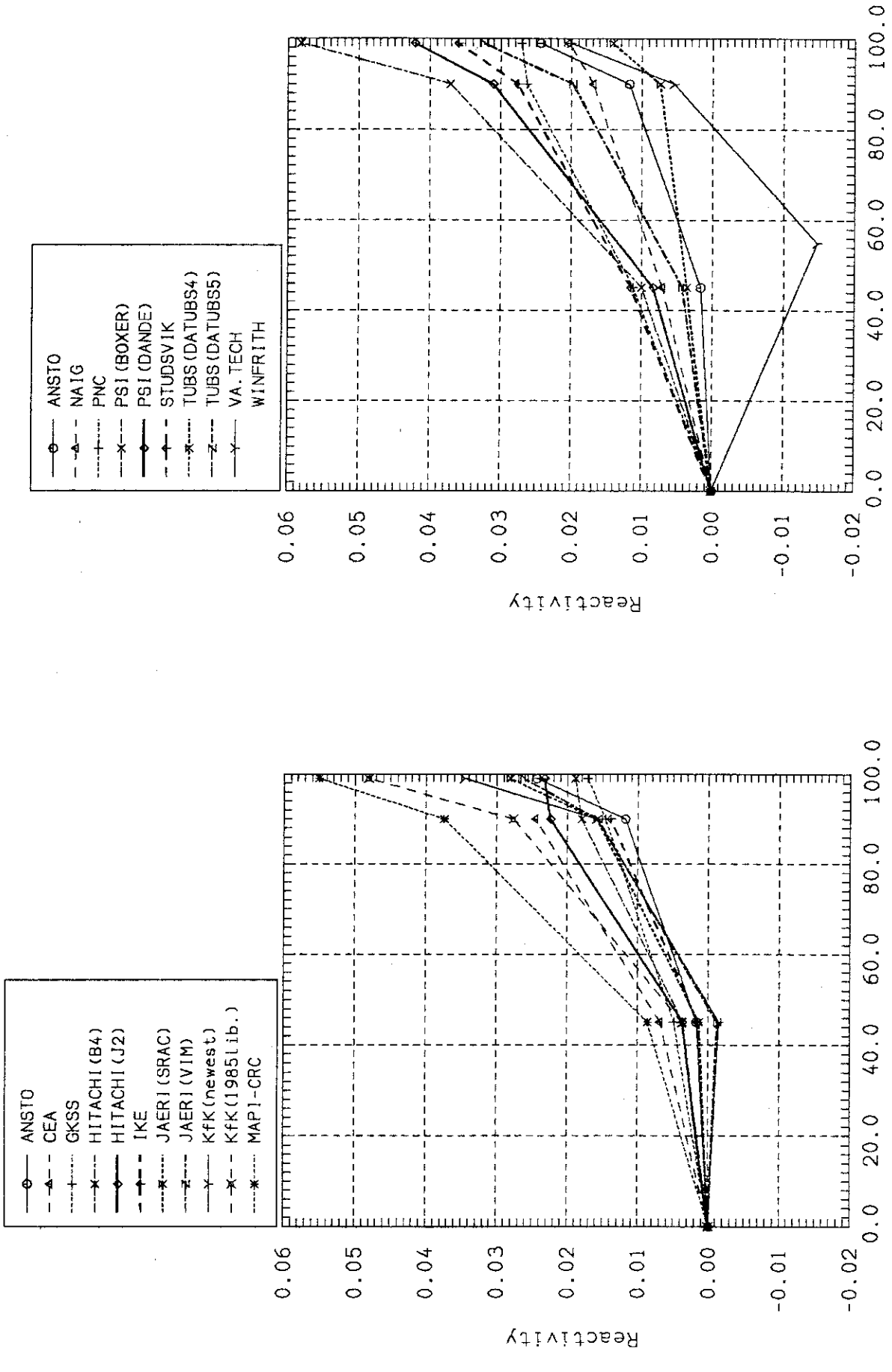


Fig.5.36 Void reactivity : Vm/Vf=0.6, 0GWd/t.

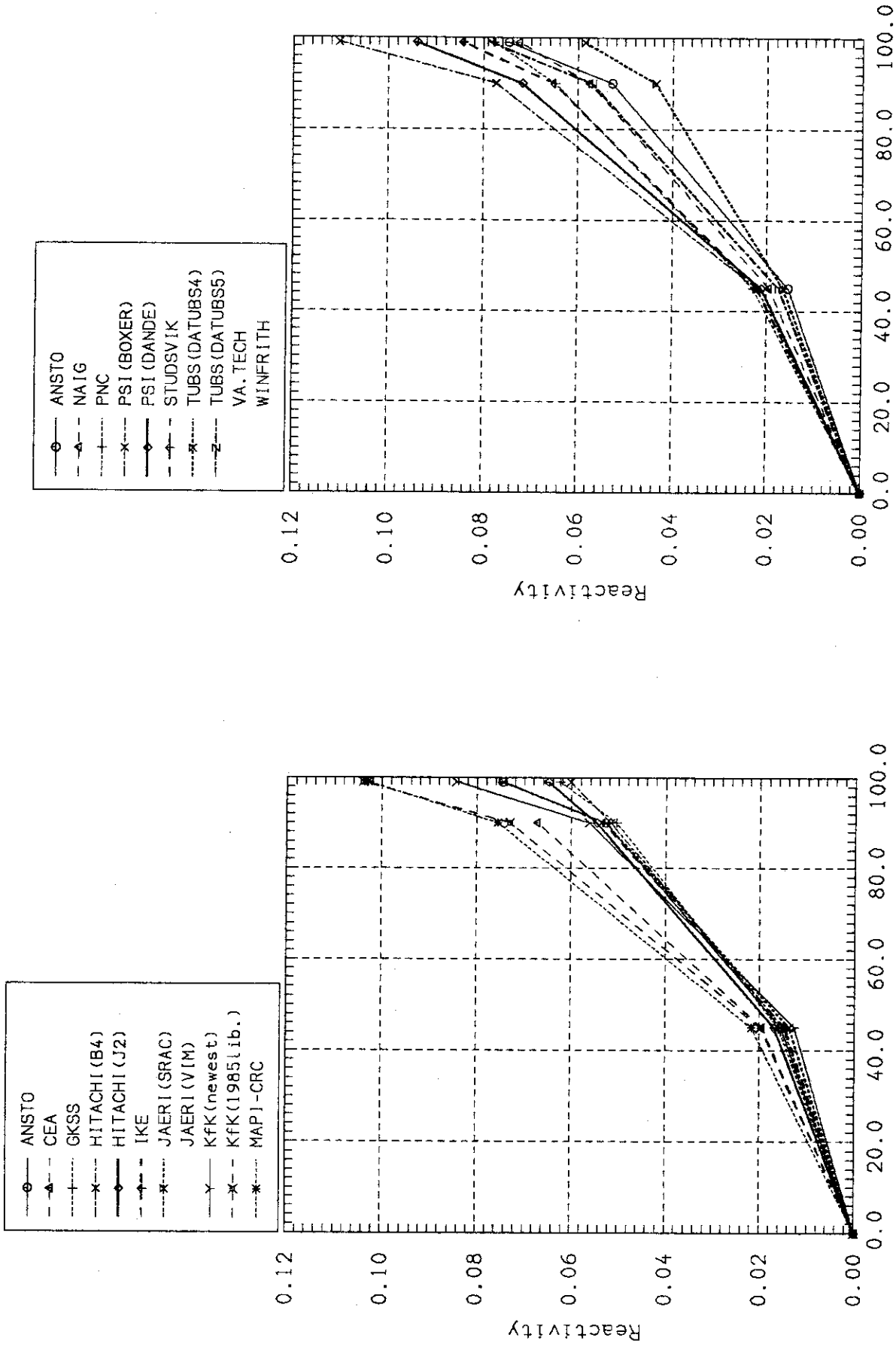


Fig.5.37 Void reactivity : Vm/Vf=0.6, 30GWd/t.

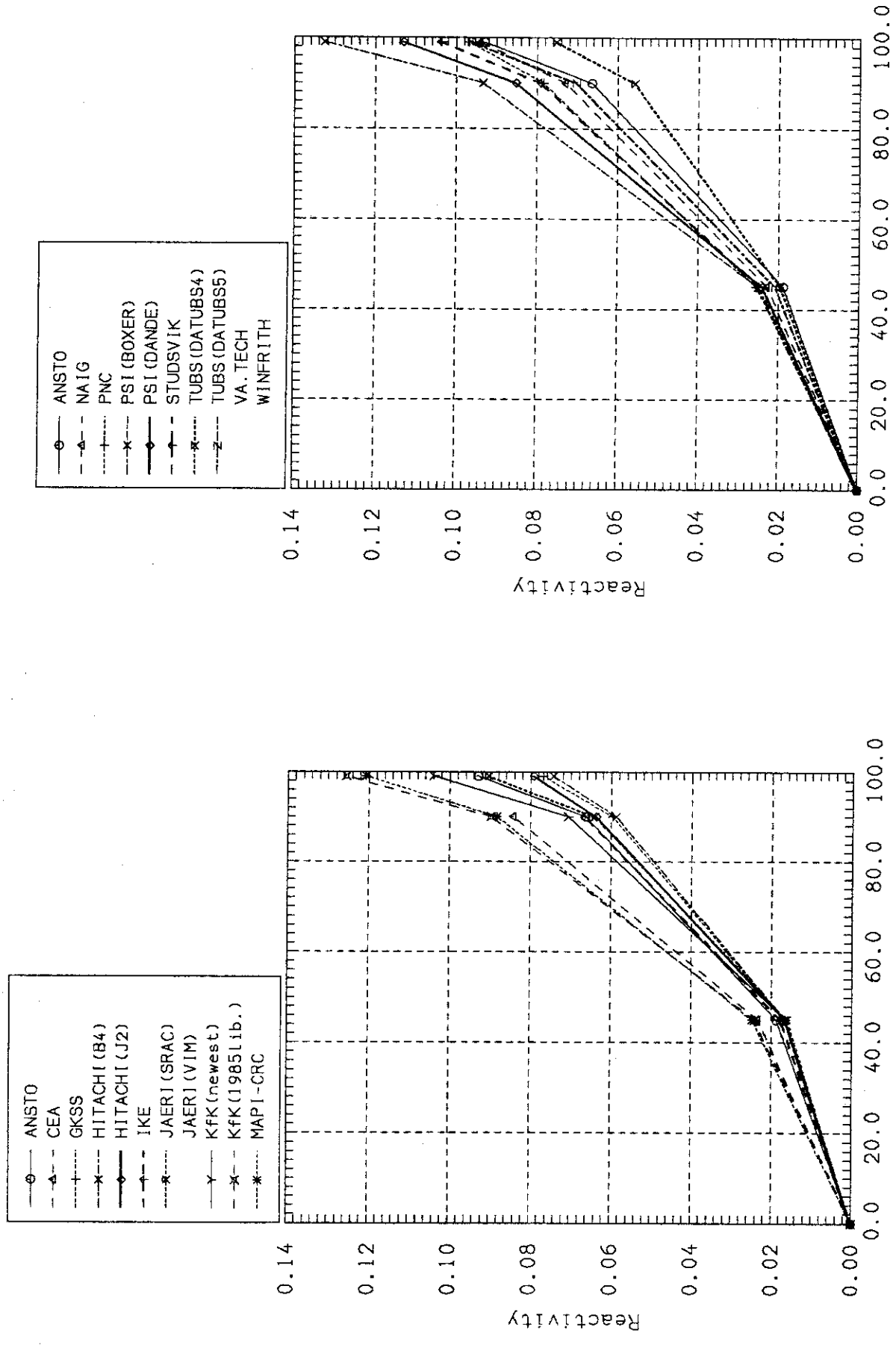


Fig.5.38 Void reactivity : Vm/Vf=0.6, 50GWd/t.

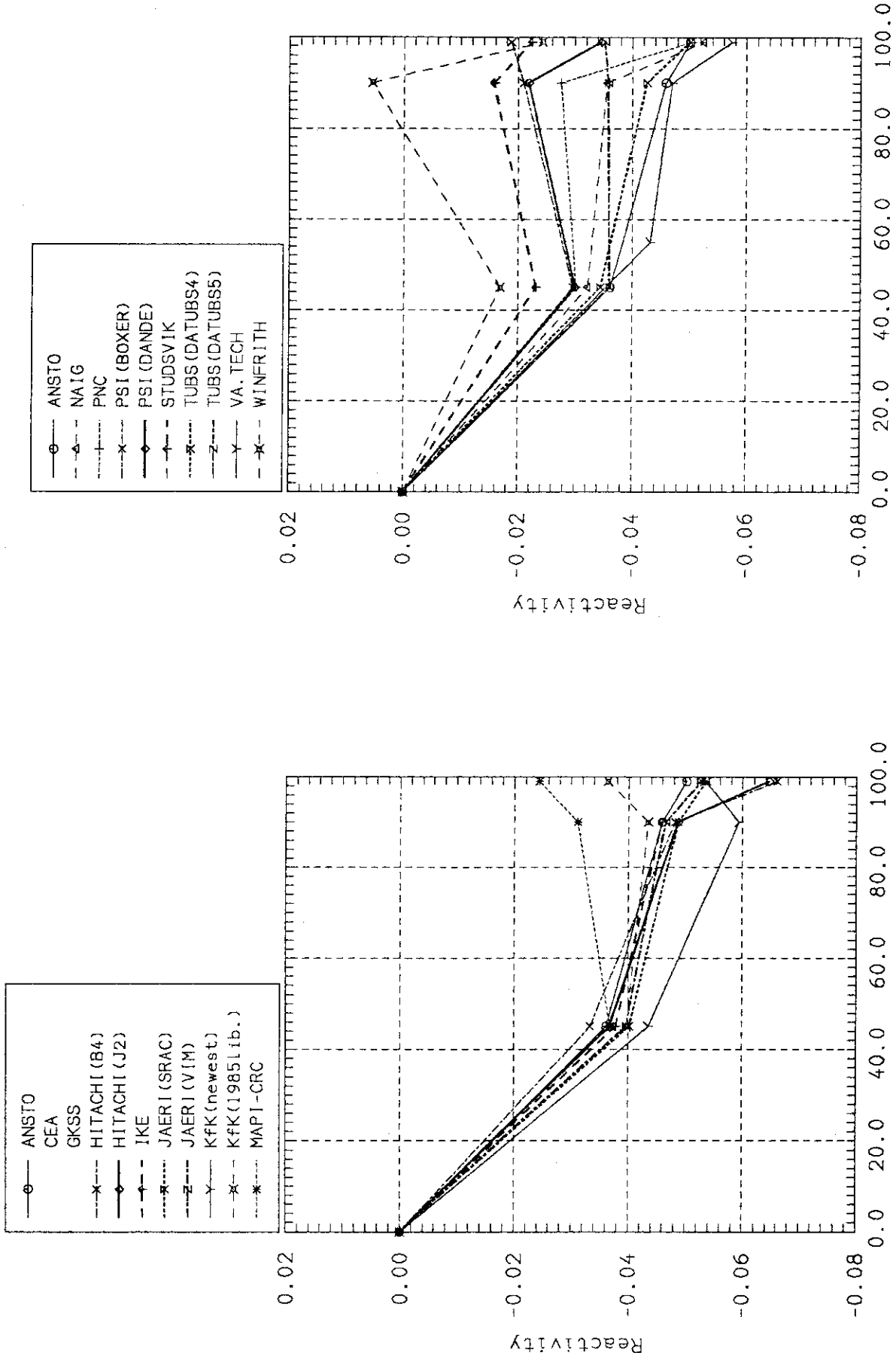


Fig.5.39 Void reactivity : Vm/Vf=1.1, 0GWd/t.

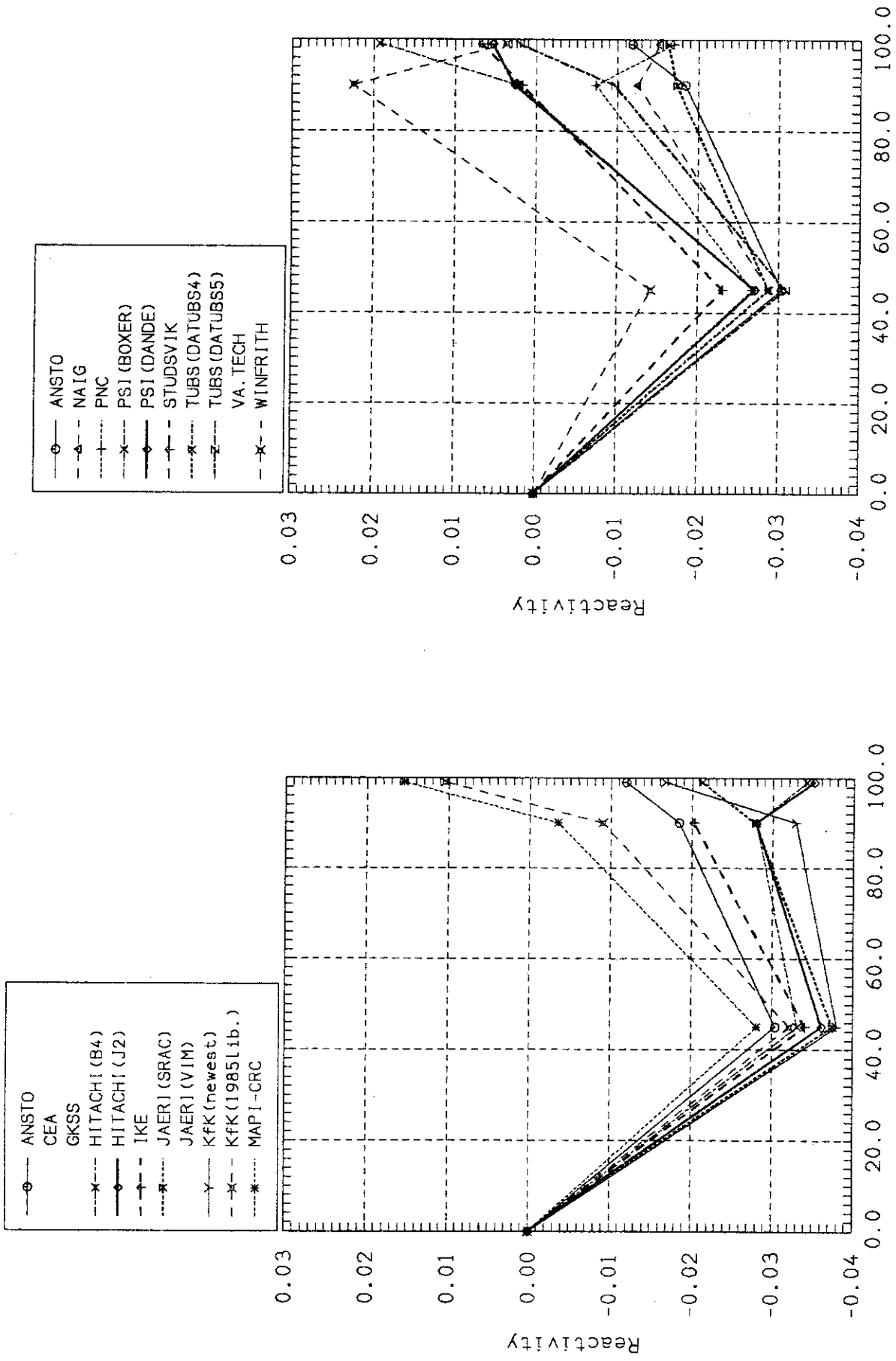


Fig.5.40 Void reactivity : Vm/Vf=1.1, 30GWd/t.

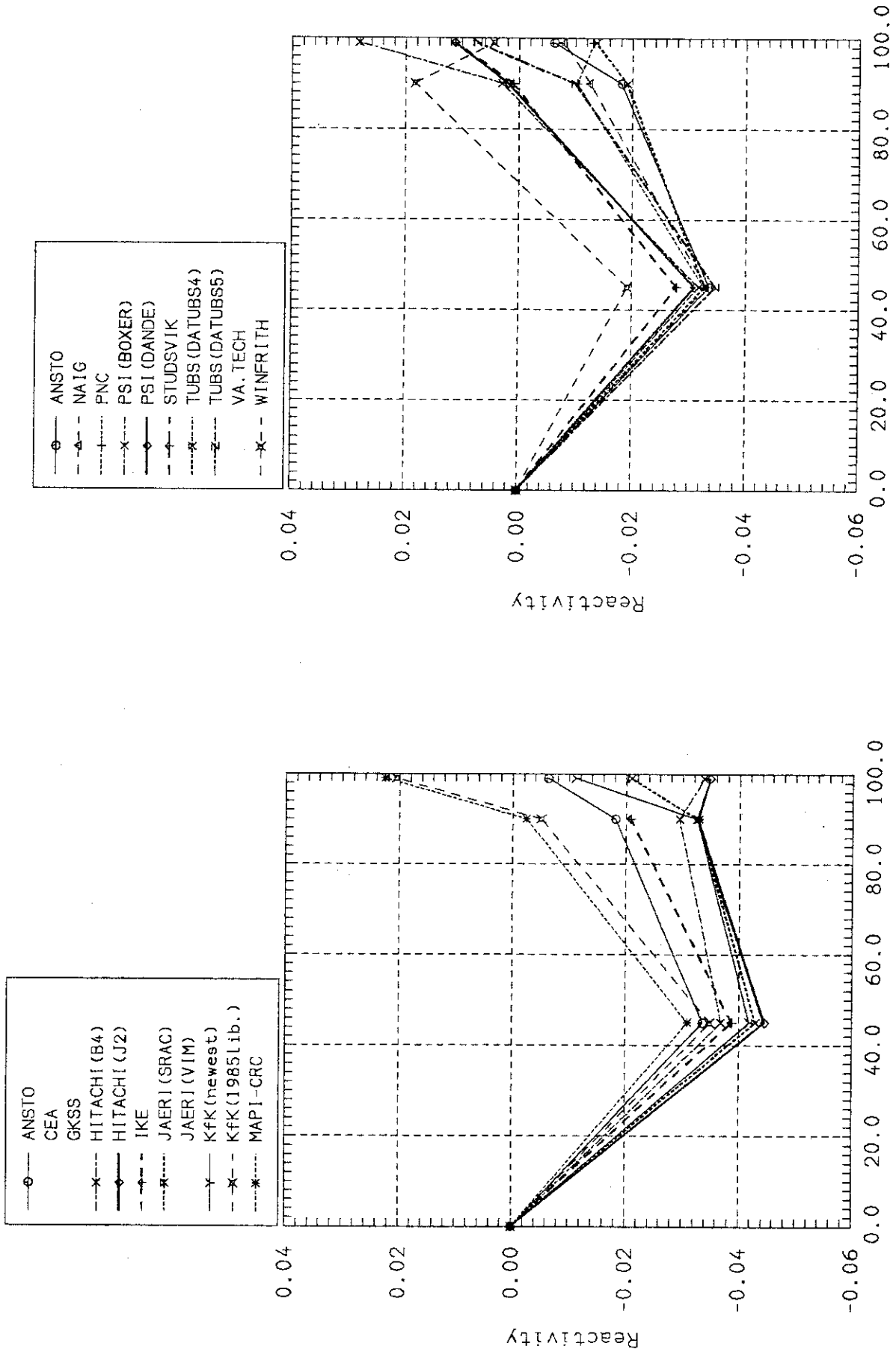


Fig.5.41 Void reactivity : Vm/Vf=1.1, 50GWd/t.

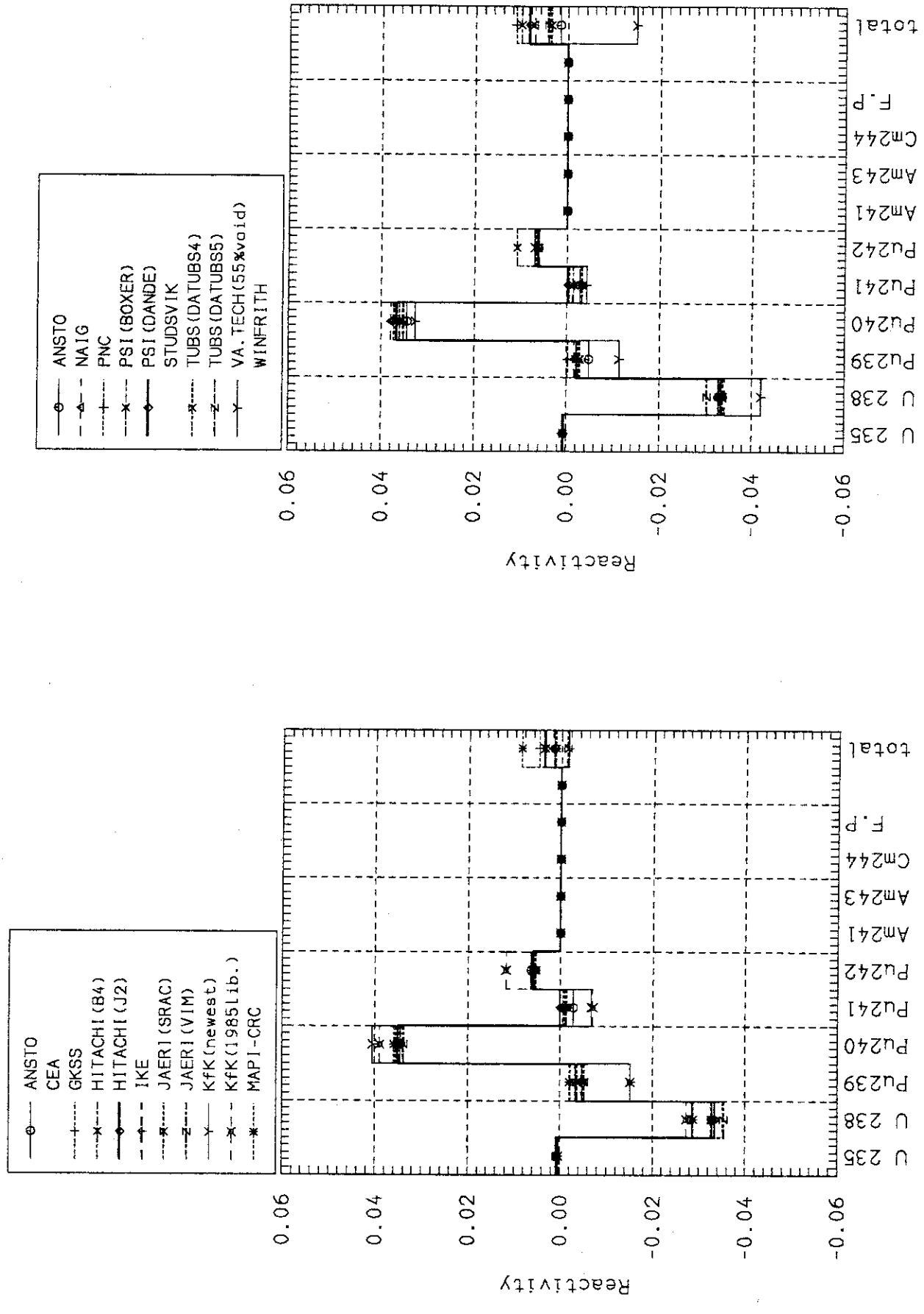


Fig.5.42 Contributions of nuclides to void reactivity from 0 to 45% void : 0GWd/t, Vm/Vf=0.6.

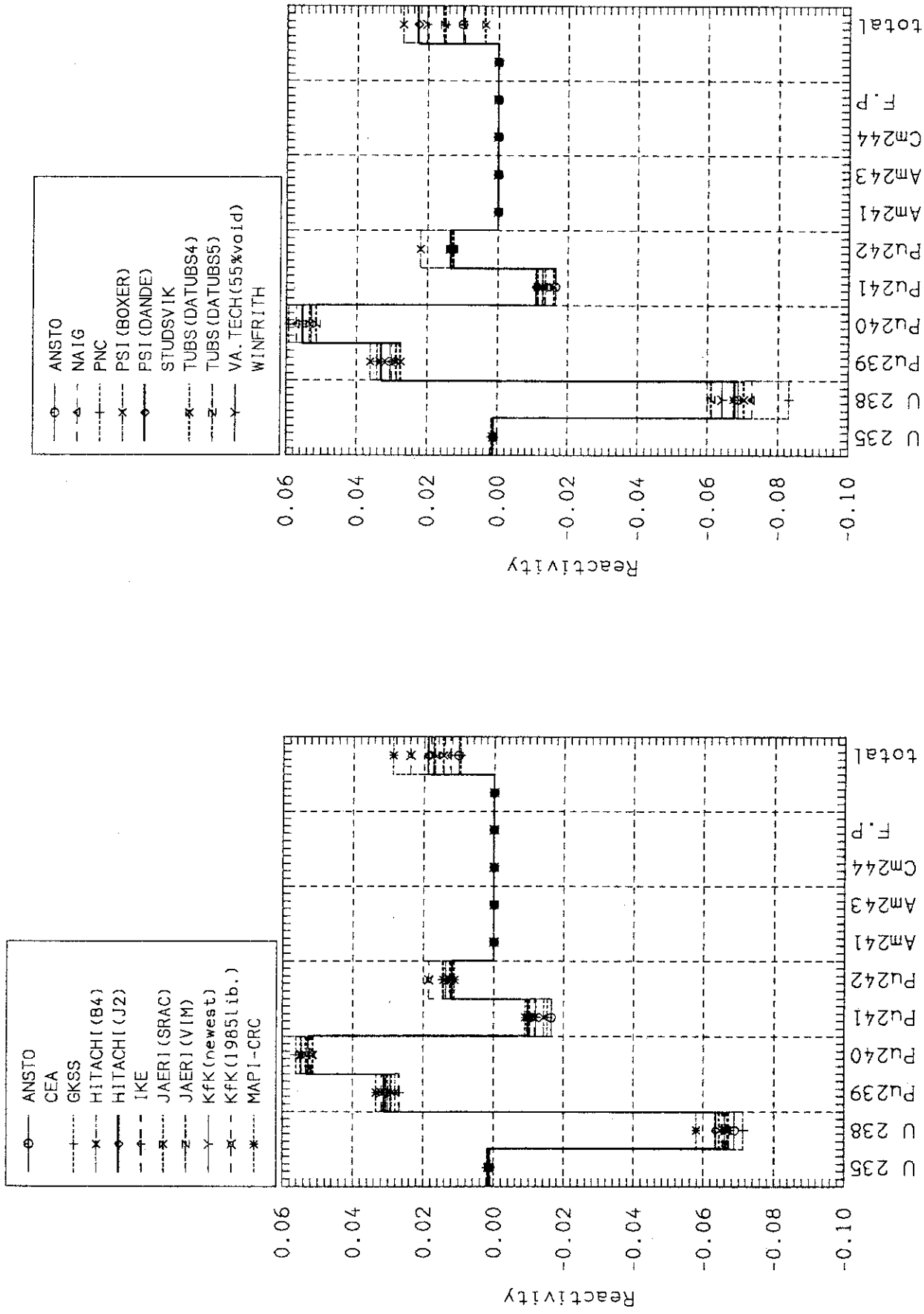


Fig.5.43 Contributions of nuclides to void reactivity from 45 to 90% void : 0GWd/t, Vm/Vf=0.6.

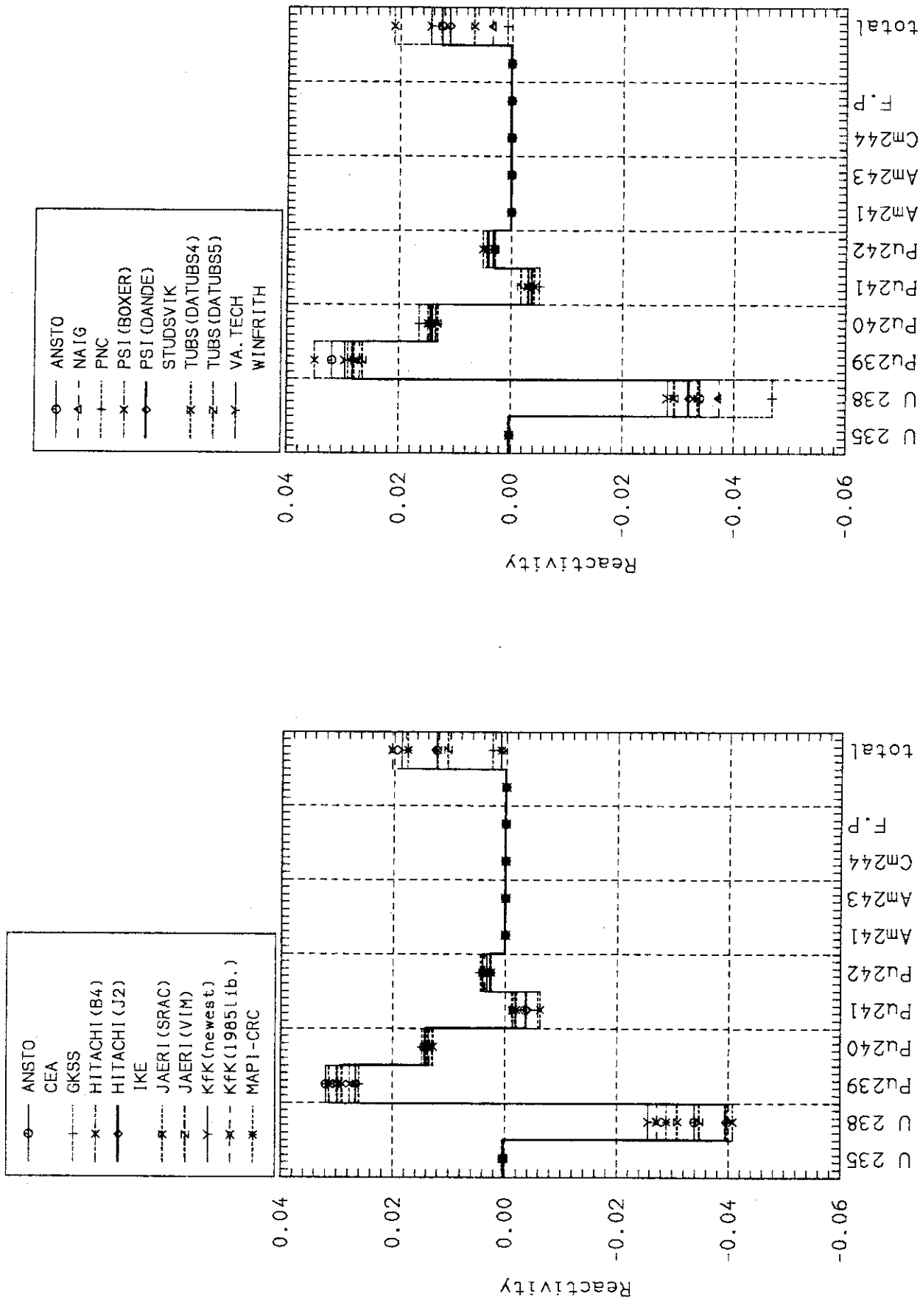


Fig.5.44 Contributions of nuclides to void reactivity from 45 to 99% void : 0GWd/t, Vm/Vf=0.6.

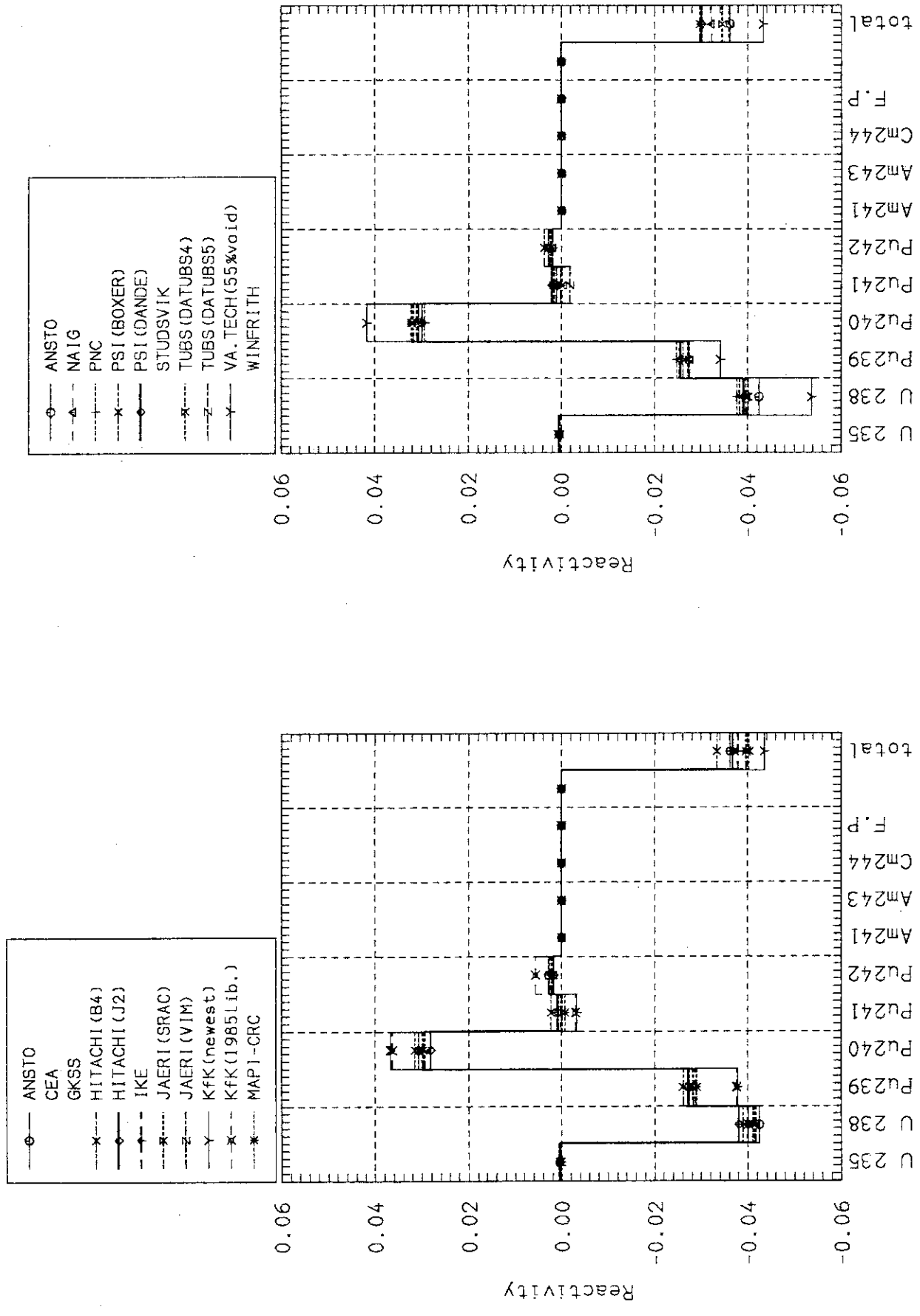


Fig.5.45 Contributions of nuclides to void reactivity from 0 to 45% void : 0GWd/t, Vm/Vf=1.1.

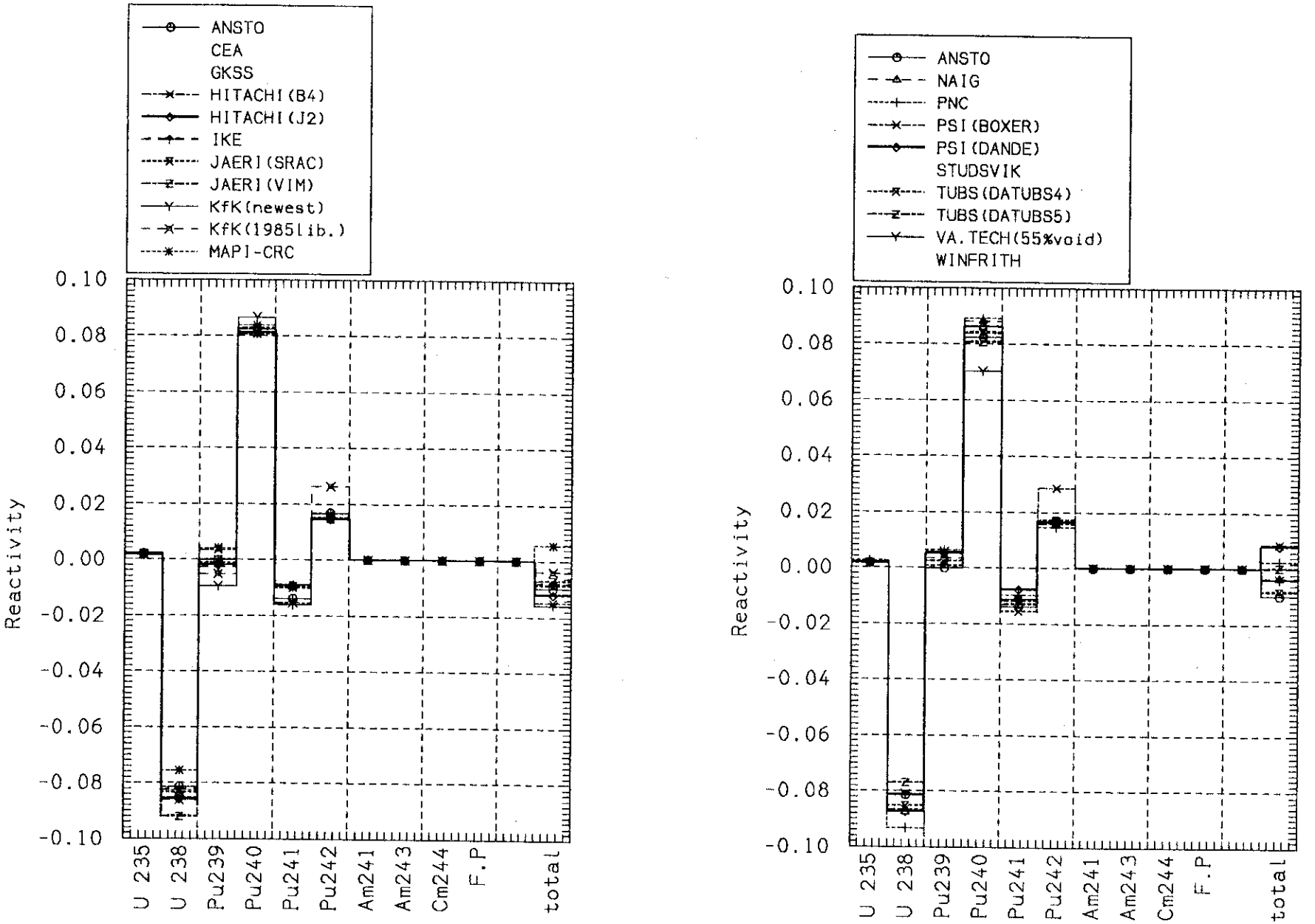


Fig.5.46 Contributions of nuclides to void reactivity from 45 to 90% void : OGWd/t, Vm/Vf=1.1.

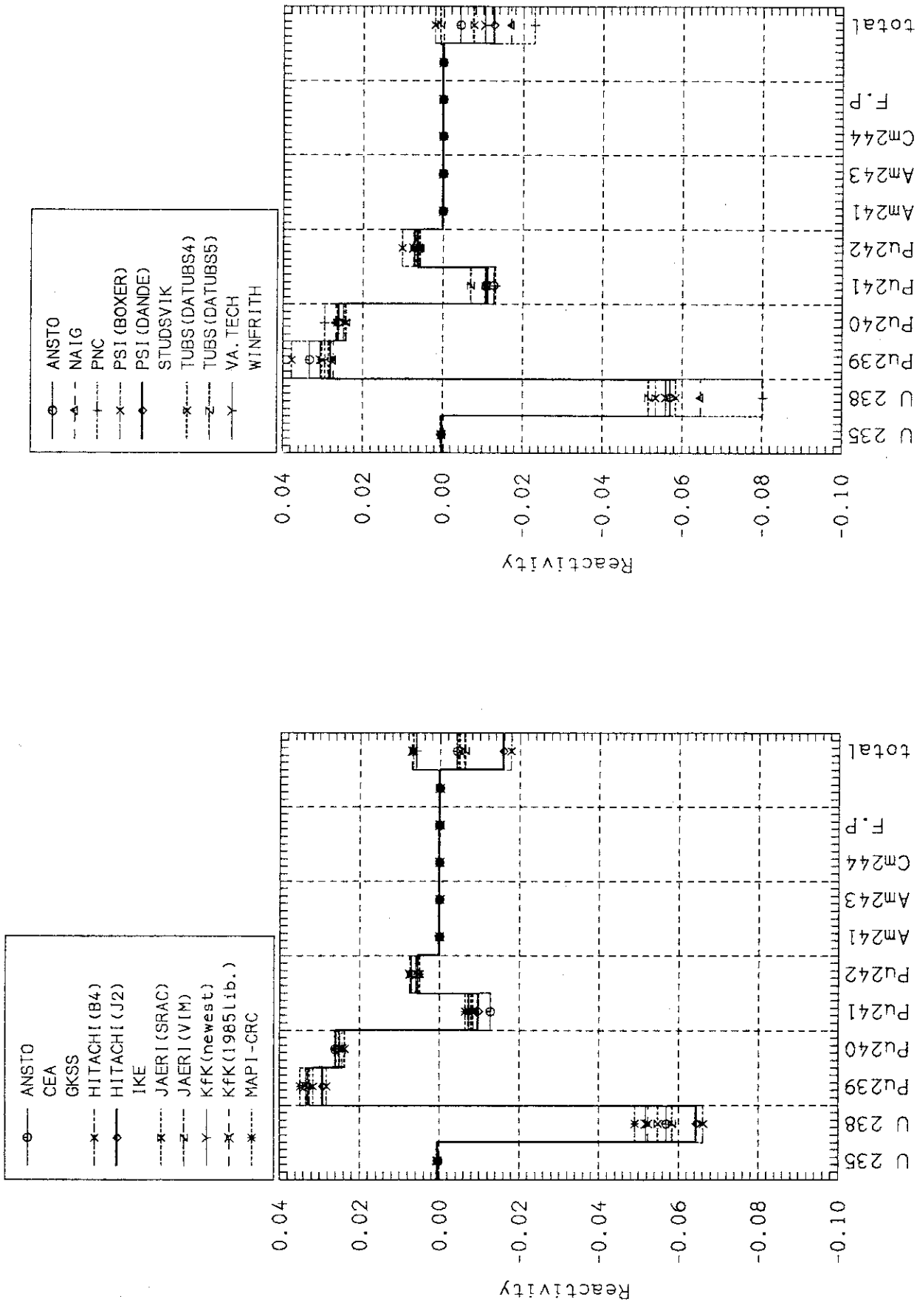


Fig.5.47 Contributions of nuclides to void reactivity from 45 to 99% void : OGWd/t, Vm/Vf=1.1.

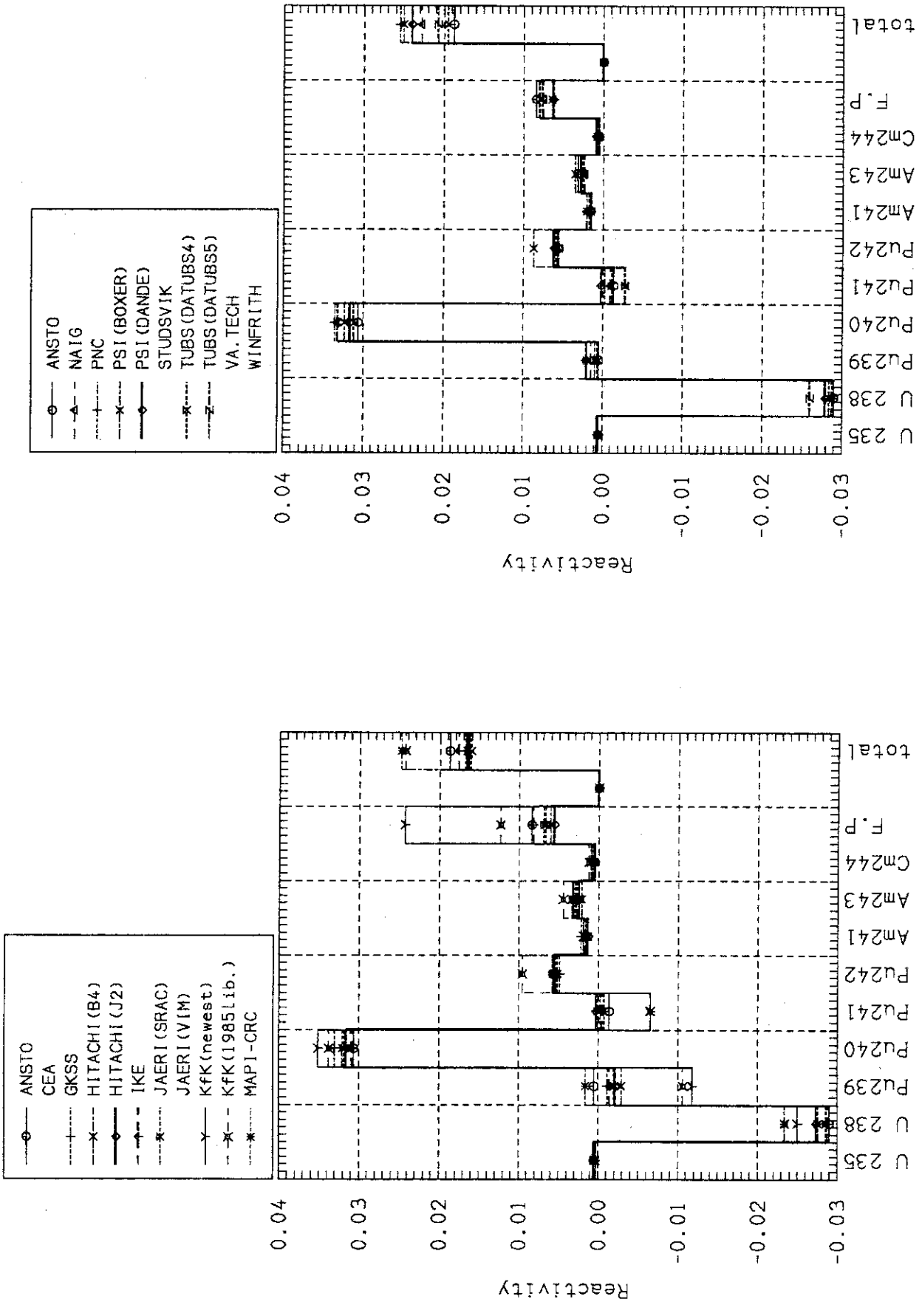


Fig.5.48 Contributions of nuclides to void reactivity from 0 to 45% void : 50GWd/t, Vm/Vf=0.6.

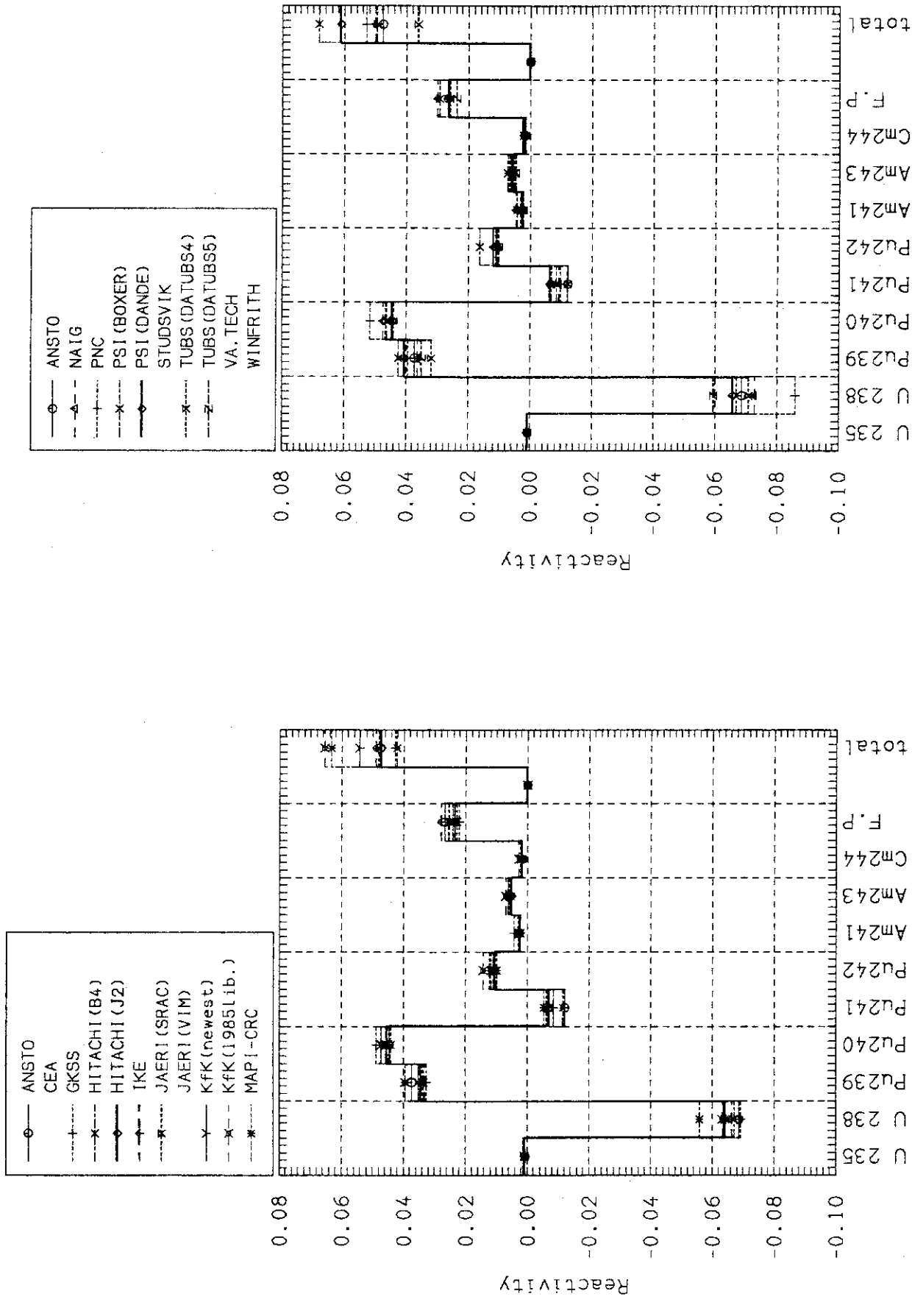


Fig.5.49 Contributions of nuclides to void reactivity from 45 to 90% void : 50GWd/t, Vm/Vf=0.6.

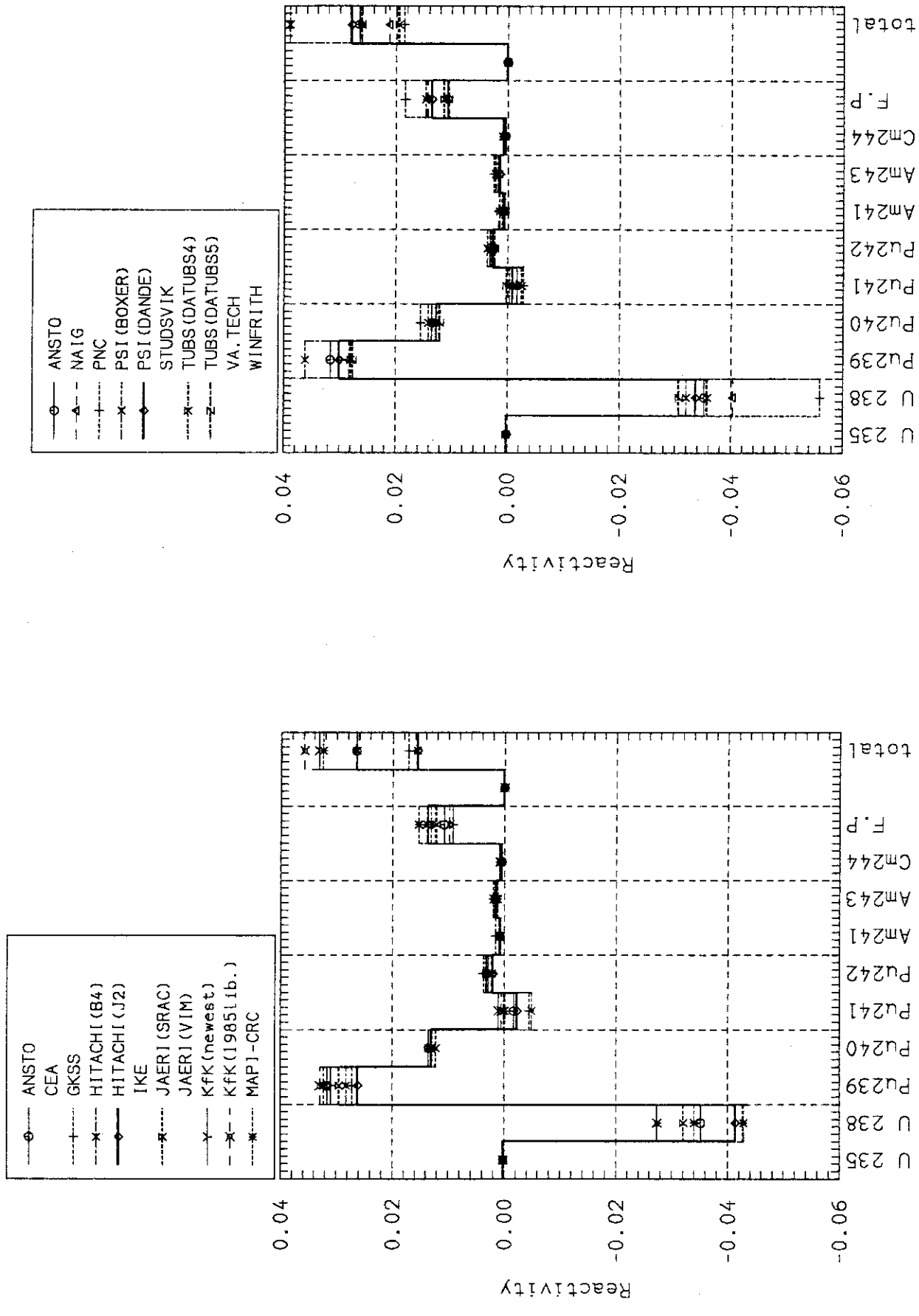


Fig.5.50 Contributions of nuclides to void reactivity from 45 to 99% void : 50GWd/t, Vm/Vf=0.6.

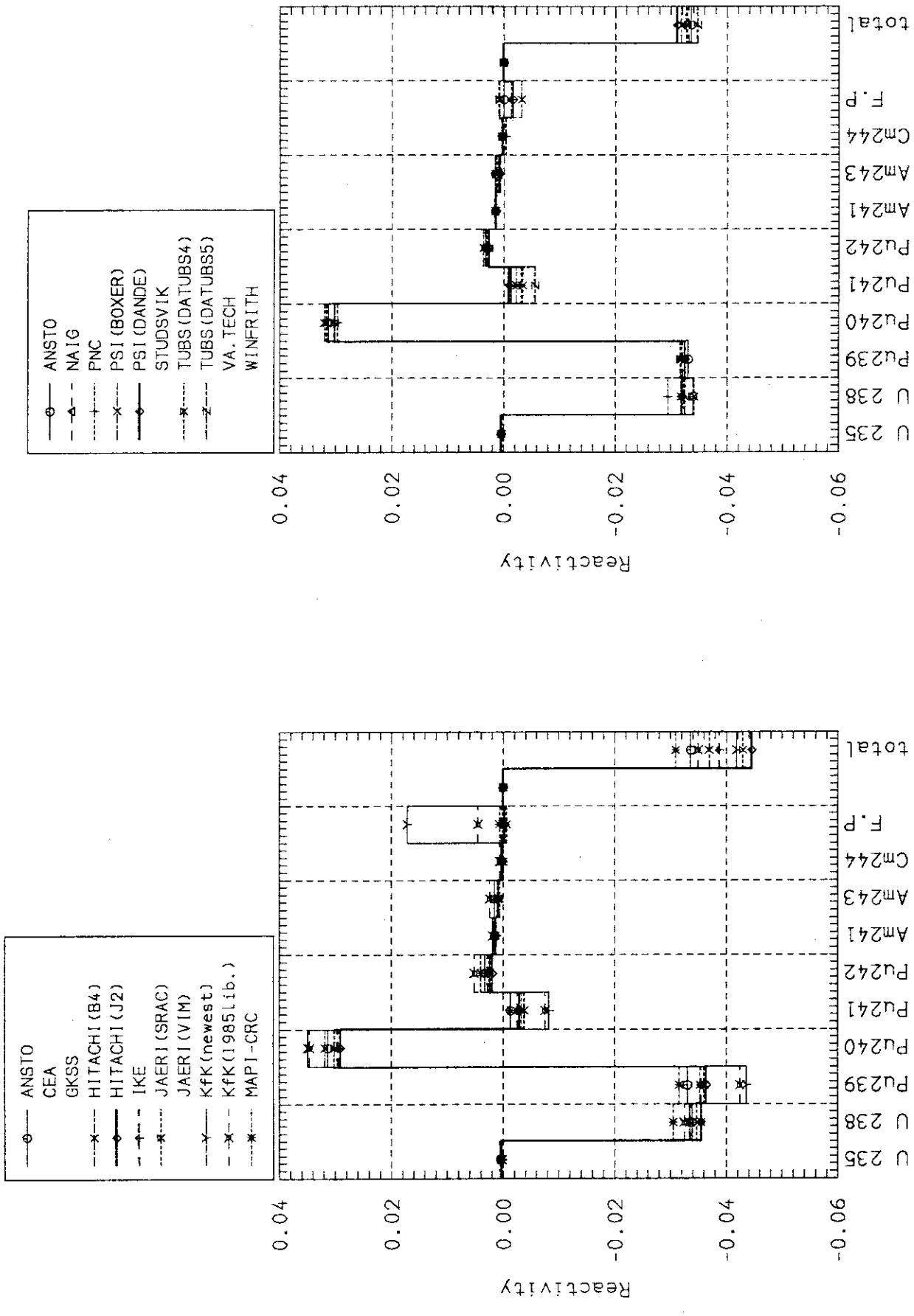


Fig.5.51 Contributions of nuclides to void reactivity from 0 to 45% void : 50GWd/t, Vm/Vf=1.1.

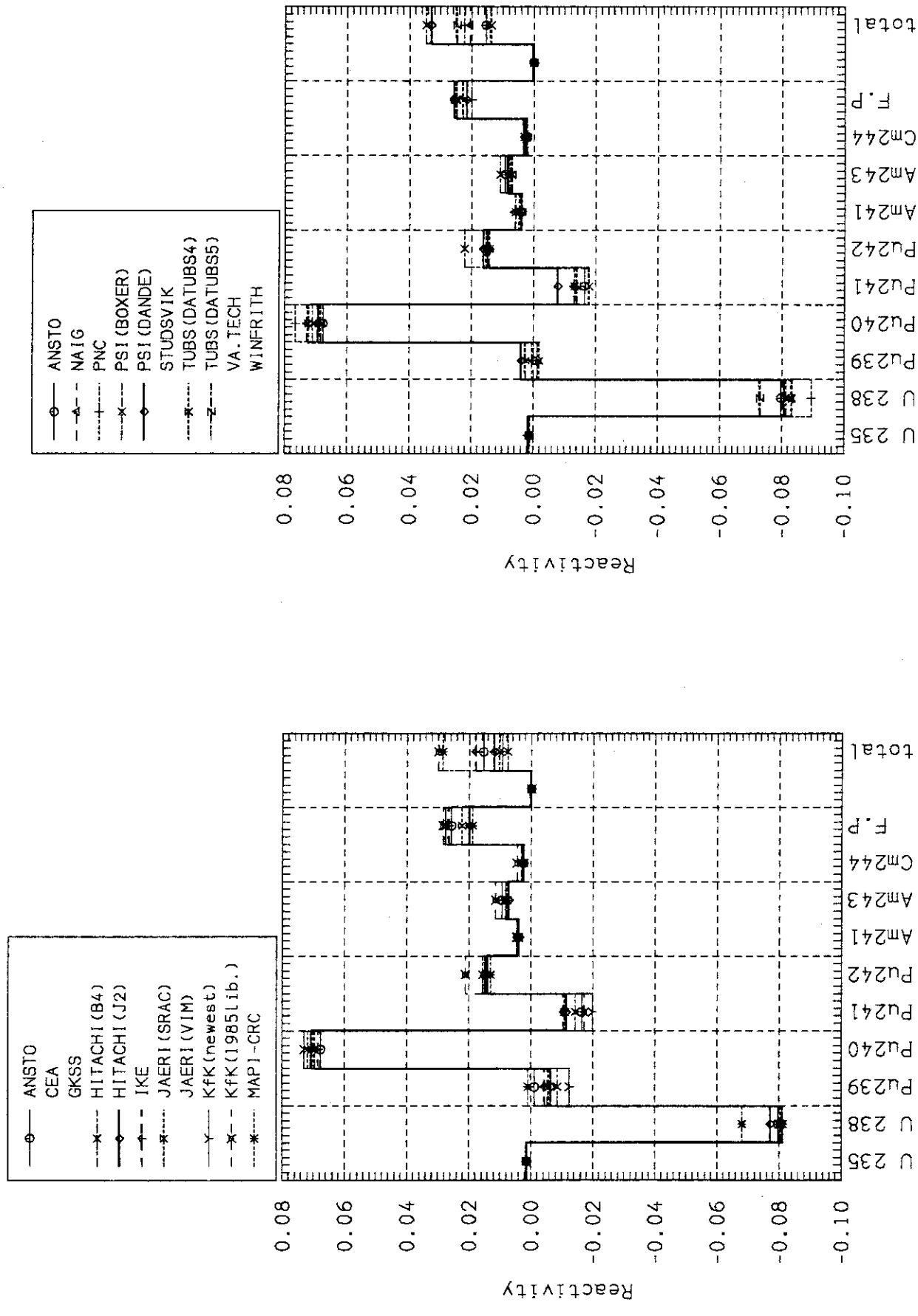


Fig.5.52 Contributions of nuclides to void reactivity from 45 to 90% void : 50GWd/t, Vm/Vf=1.1.

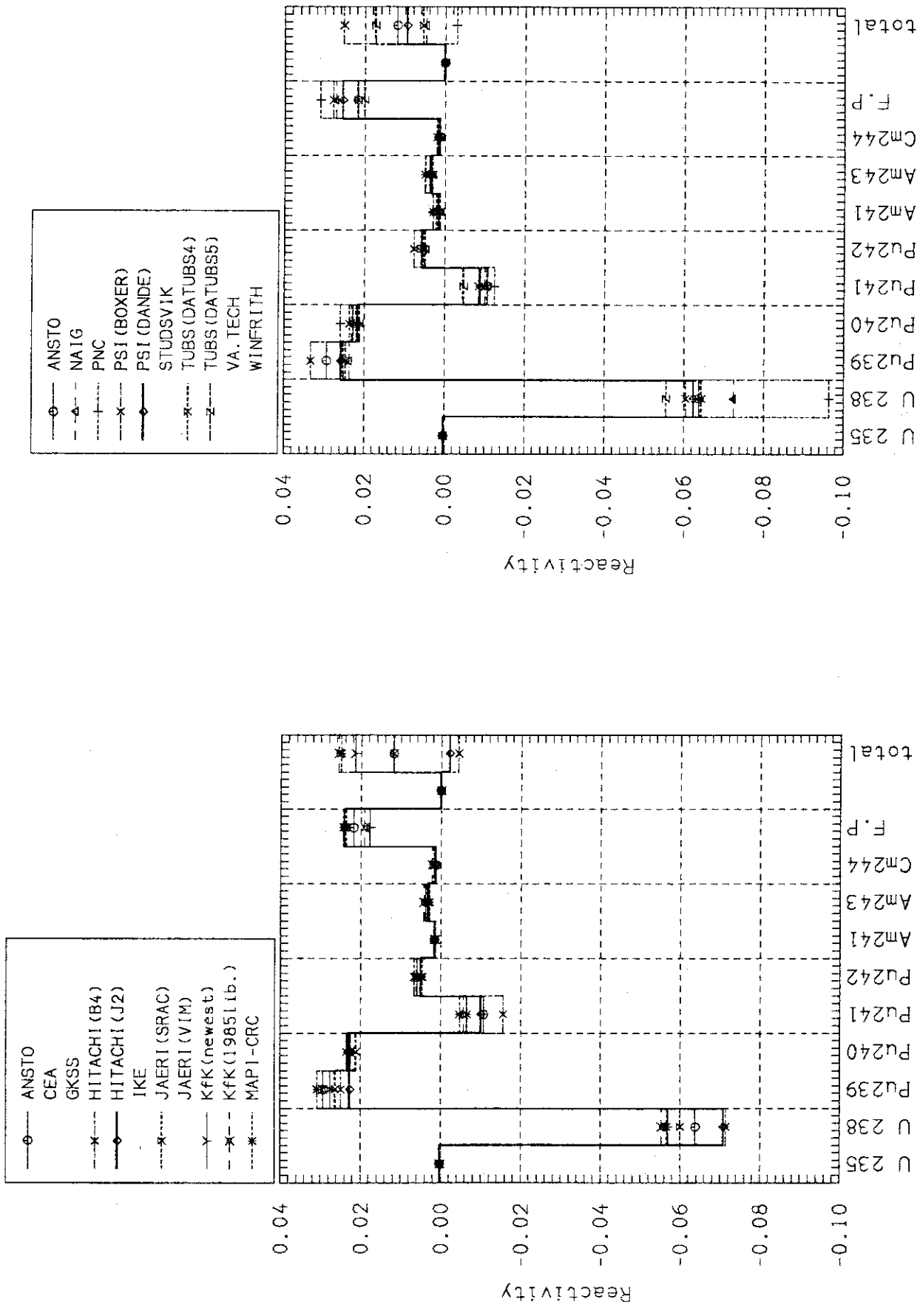


Fig.5.53 Contributions of nuclides to void reactivity from 45 to 99% void : 50GWd/t, Vm/Vf=1.1.

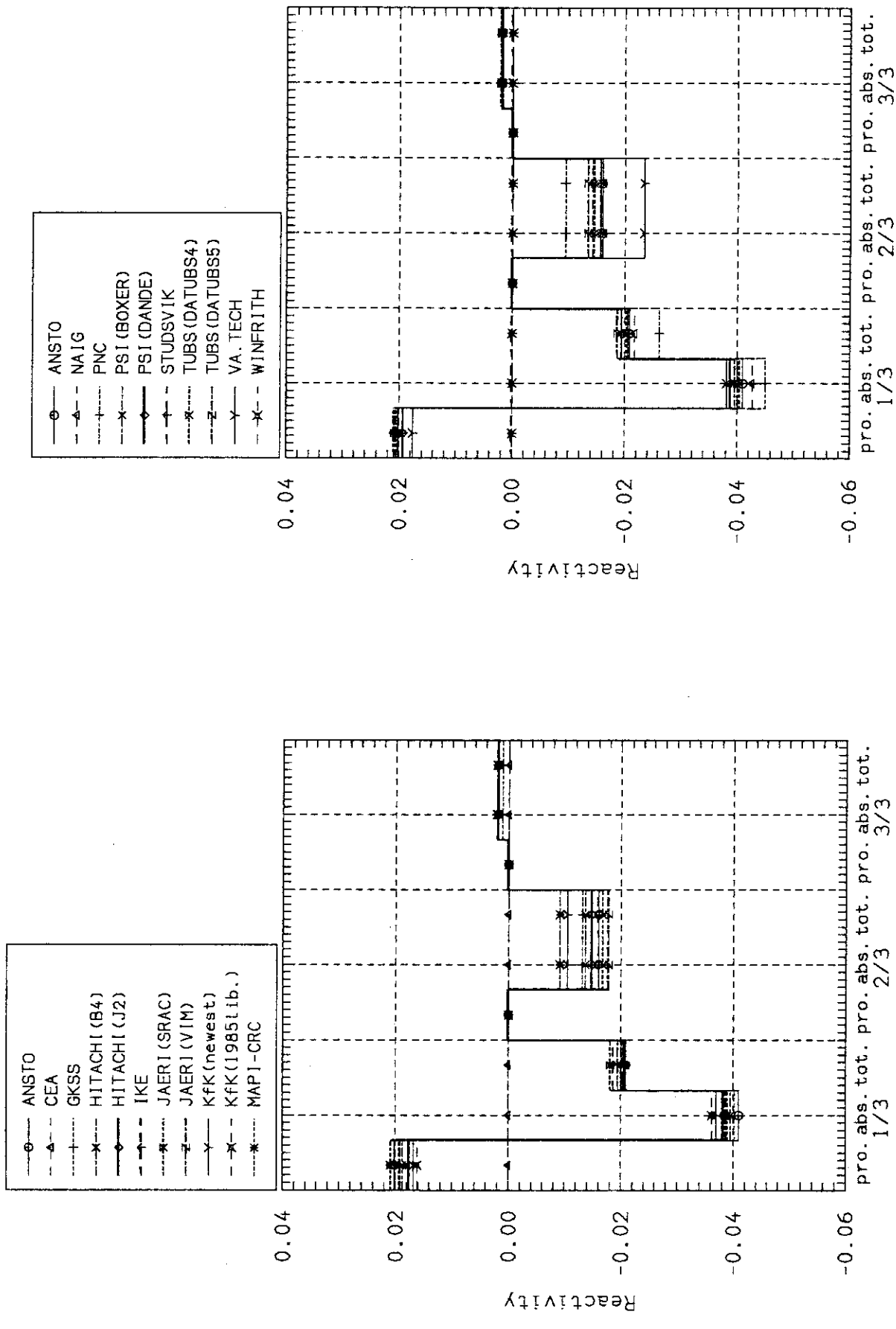


Fig.5.54 Group-wise contributions of U-238 on void reactivity from 0 to 45% void : 0GWd/t, Vm/Vf=0.6.

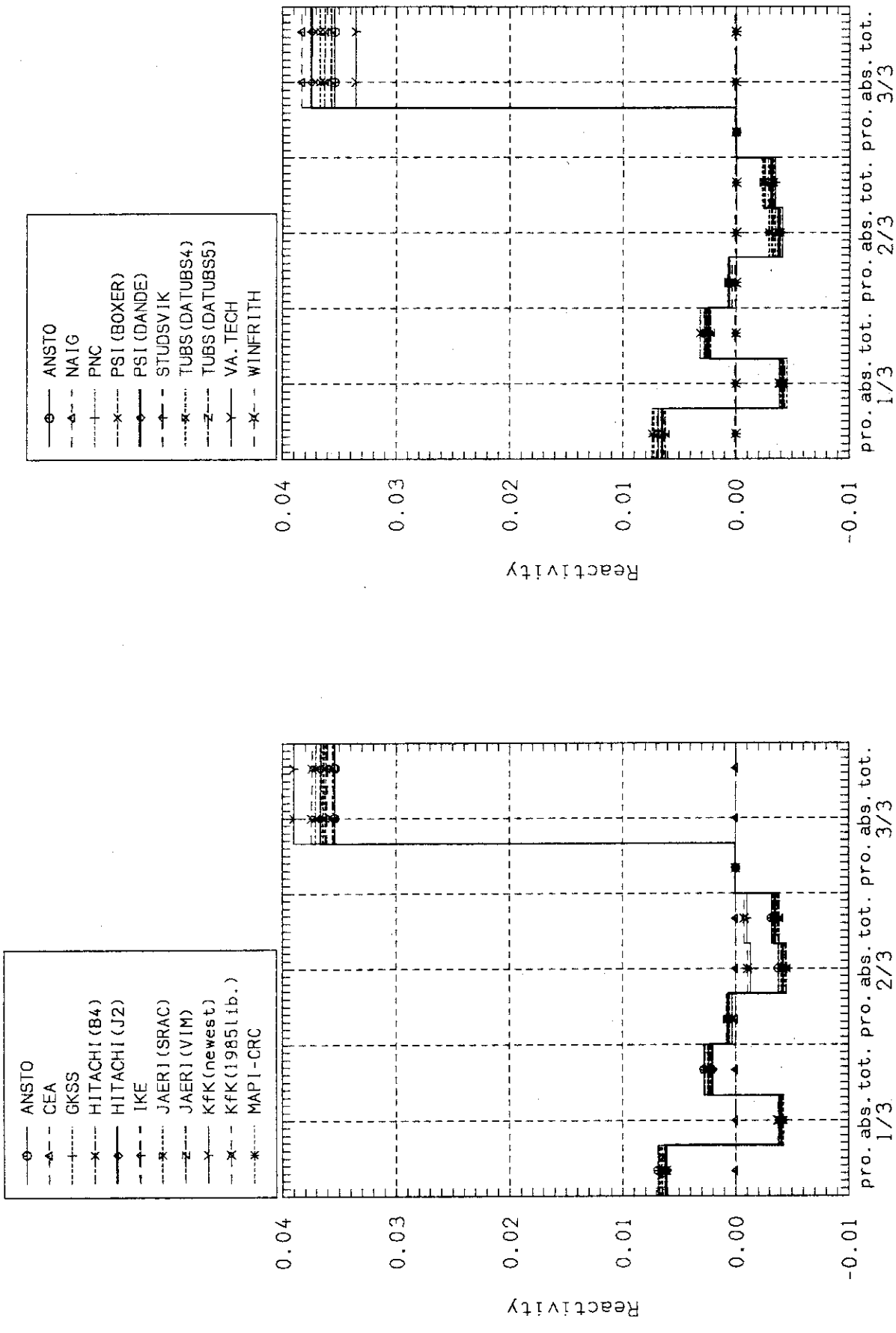


Fig.5.55 Group-wise contributions of Pu-240 on void reactivity from 0 to 45% void : 0GWd/t, Vm/Vf=0.6.

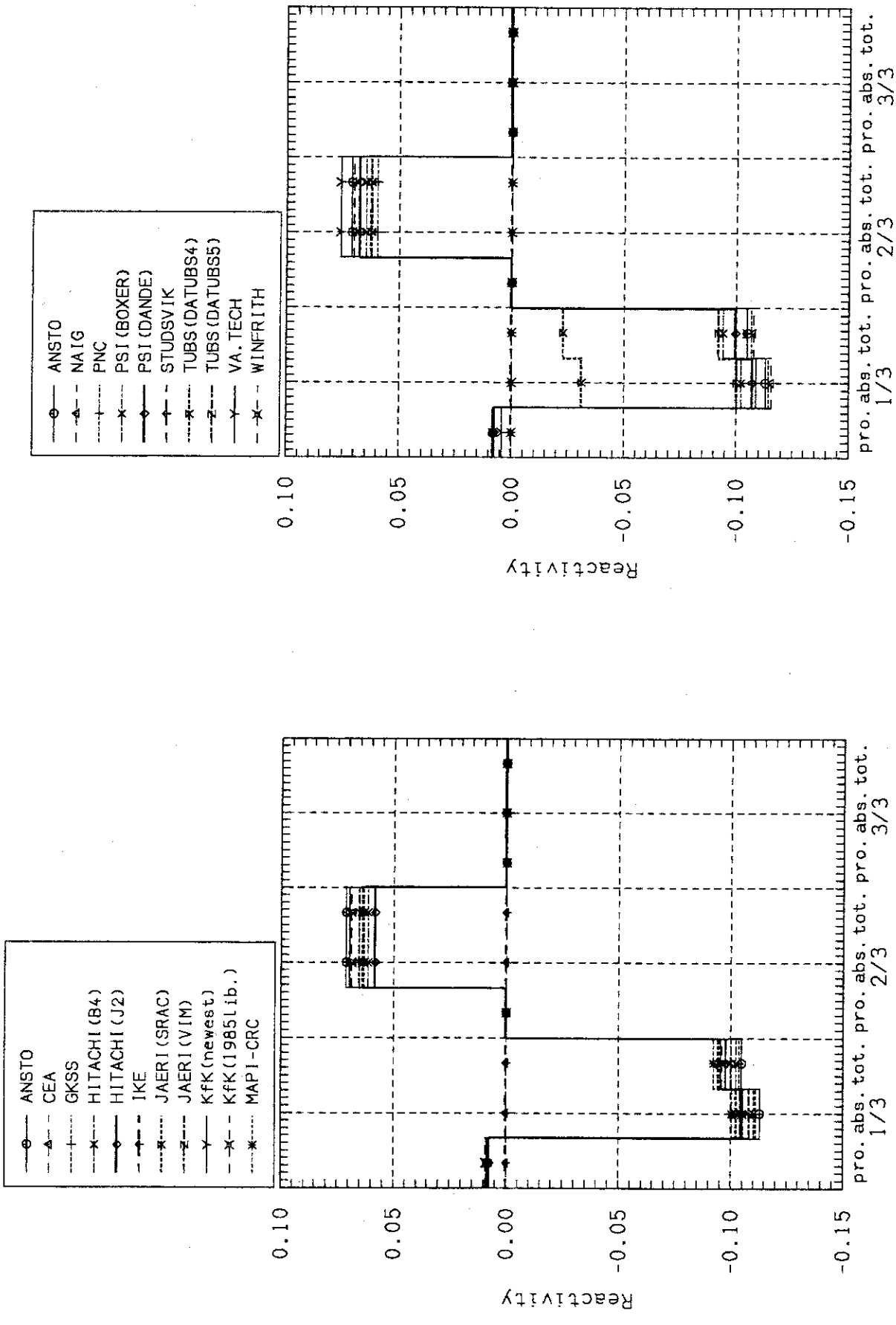


Fig.5.56 Group-wise contributions of U-238 on void reactivity from 90 to 99% void : 0GWd/t, Vm/Vf=0.6.

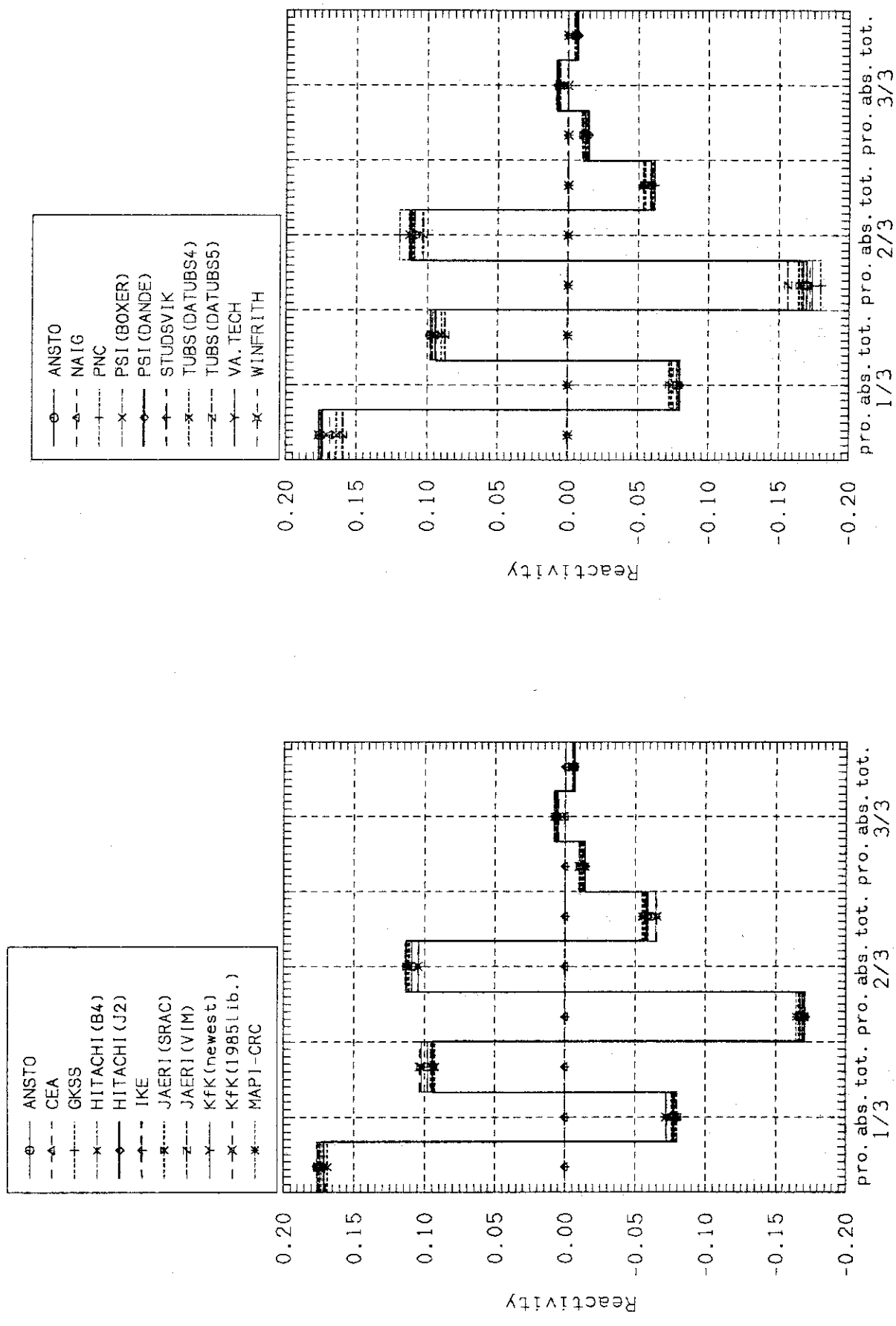


Fig.5.57 Group-wise contributions of Pu-239 on void reactivity from 90 to 99% void : 0GWd/t, Vm/Vf=1.1.

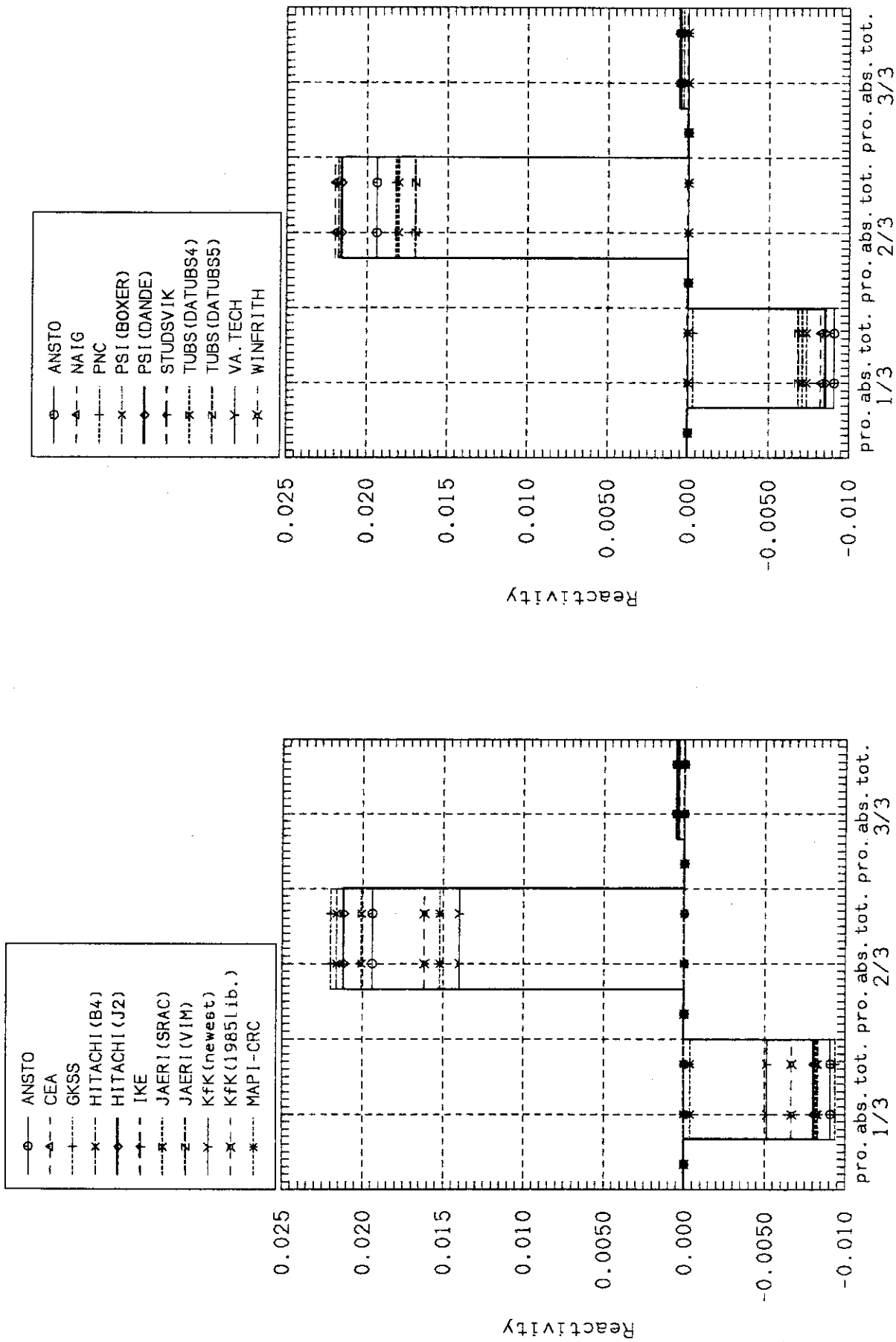


Fig.5.58 Group-wise contributions of fission products on void reactivity from 90 to 99% void : 50GWd/t, Vm/Vf=0.6.

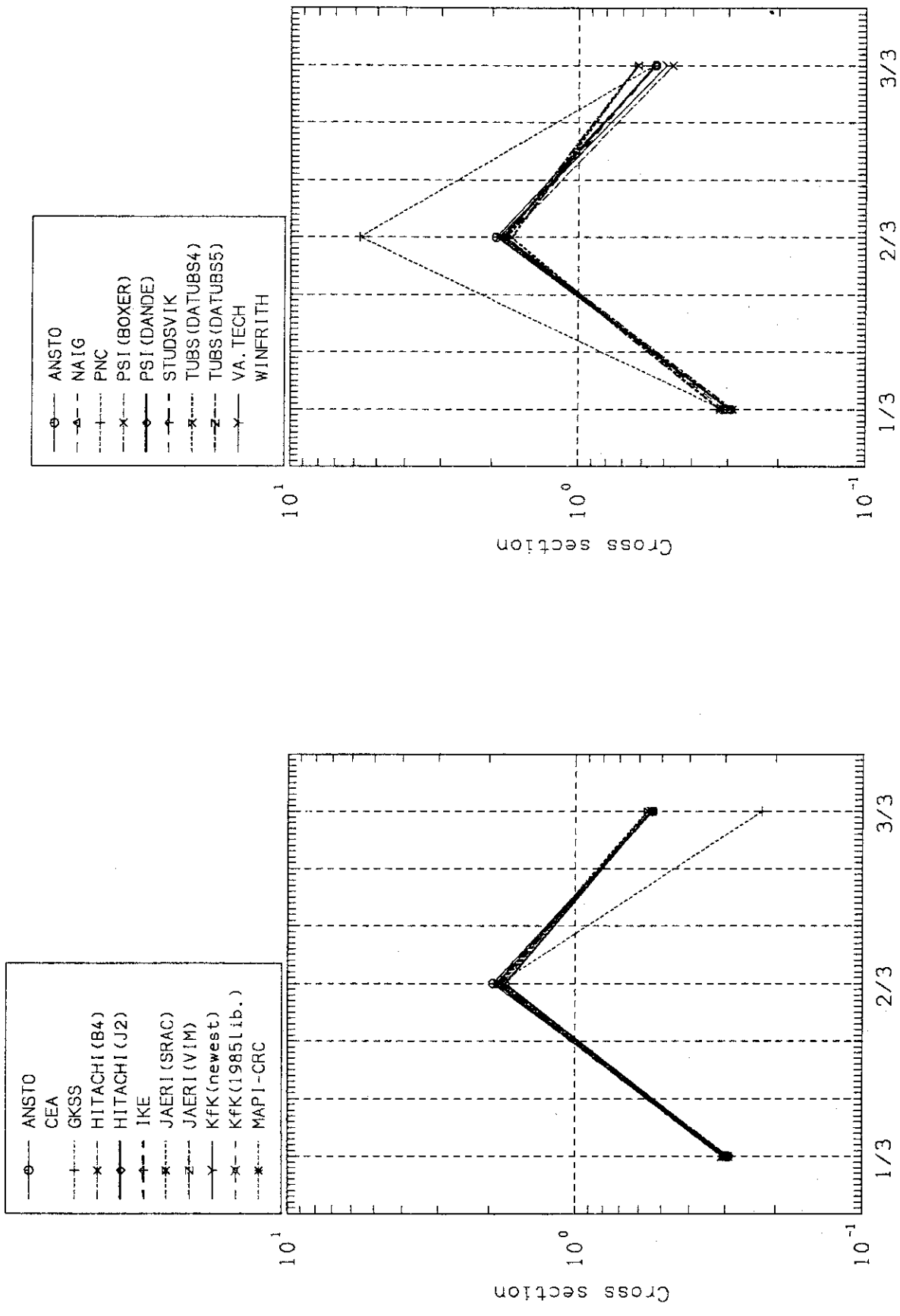


Fig.5.59 Group-wise absorption cross sections of U-238 : Vm/Vf=0.6, 0GWd/t.

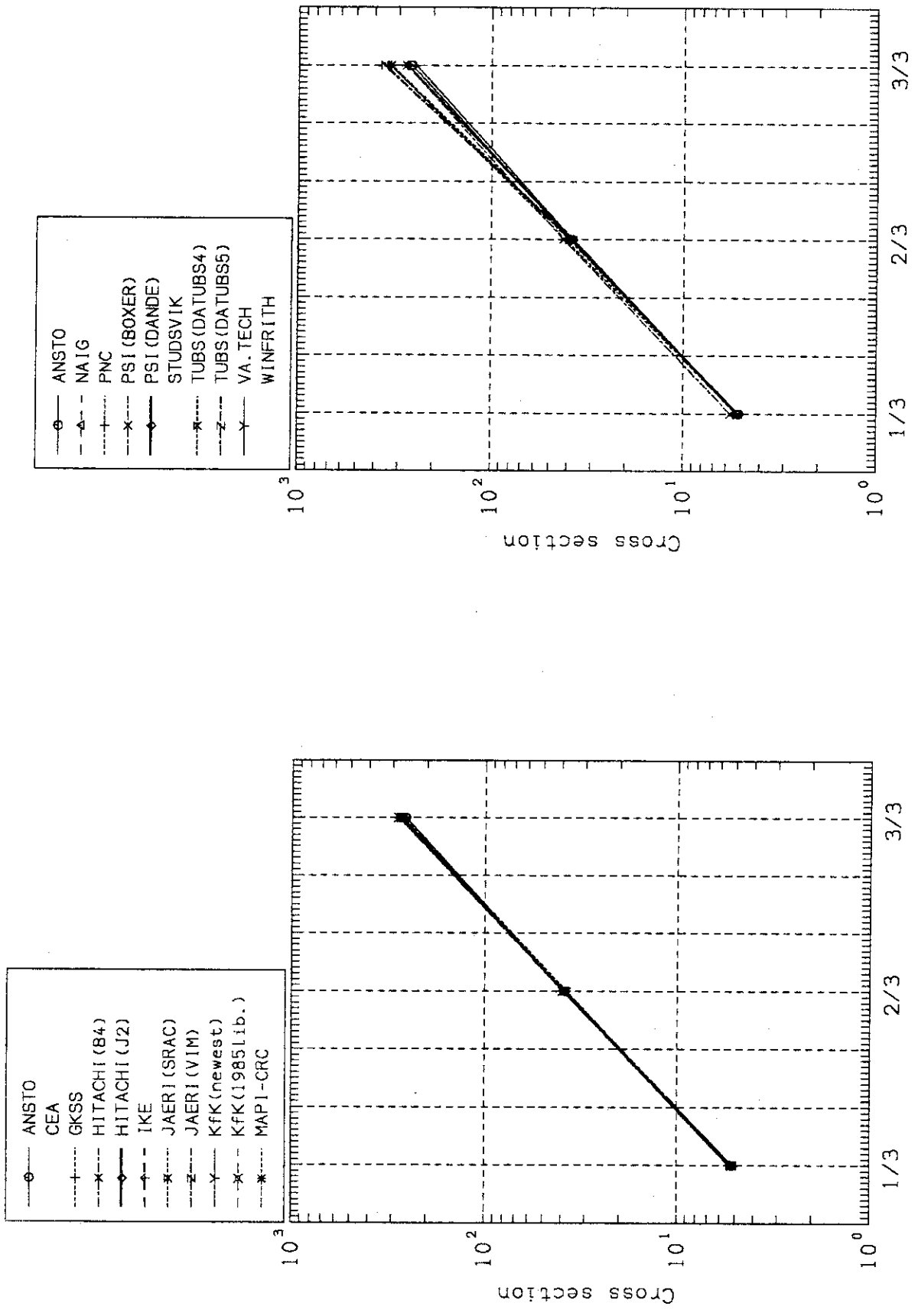


Fig.5.60 Group-wise production cross sections of Pu-239 : Vm/Vf=0.6, 0GWd/t.

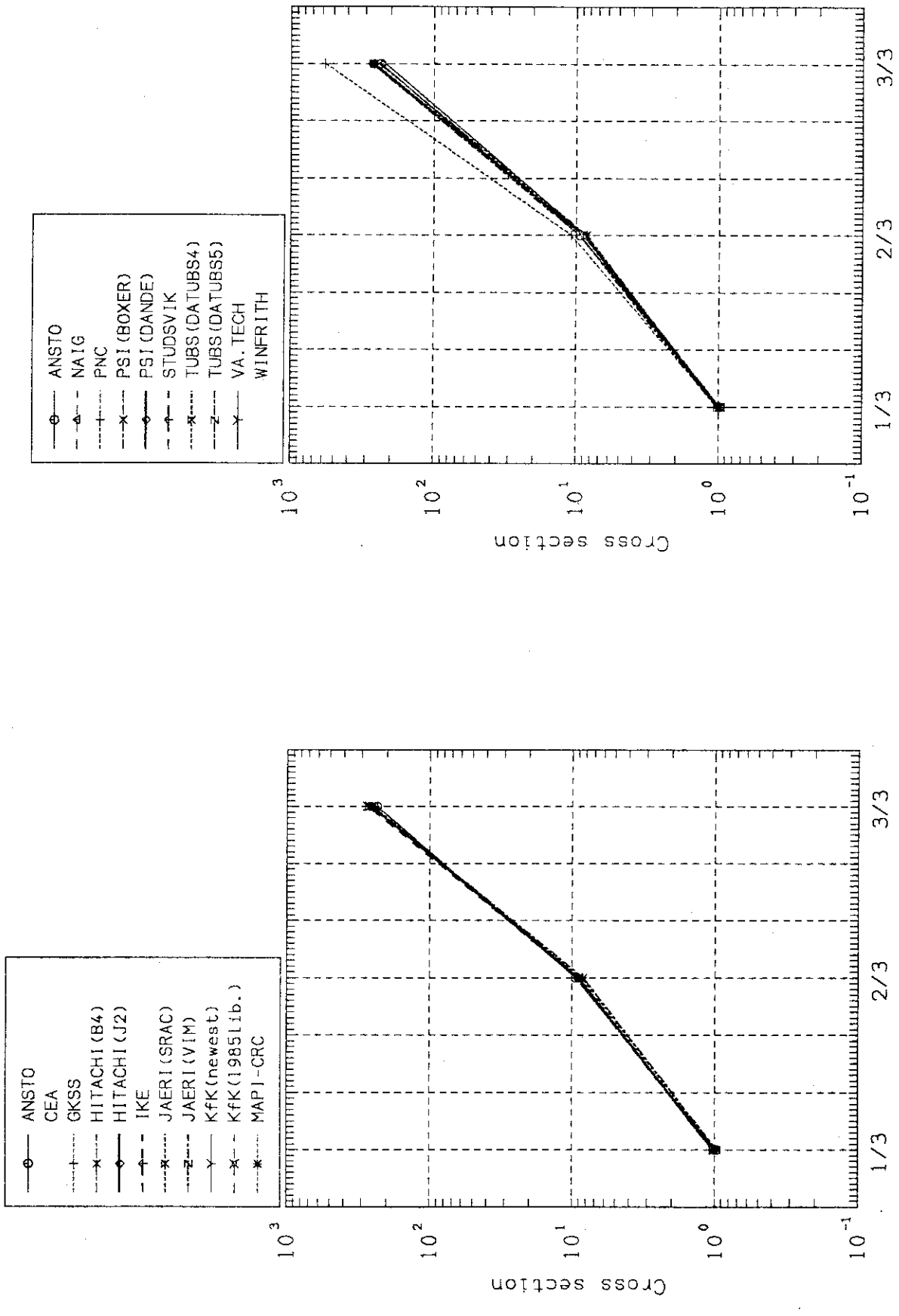


Fig.5.61 Group-wise absorption cross sections of Pu-240 : Vm/Vf=0.6, 0GWd/t.

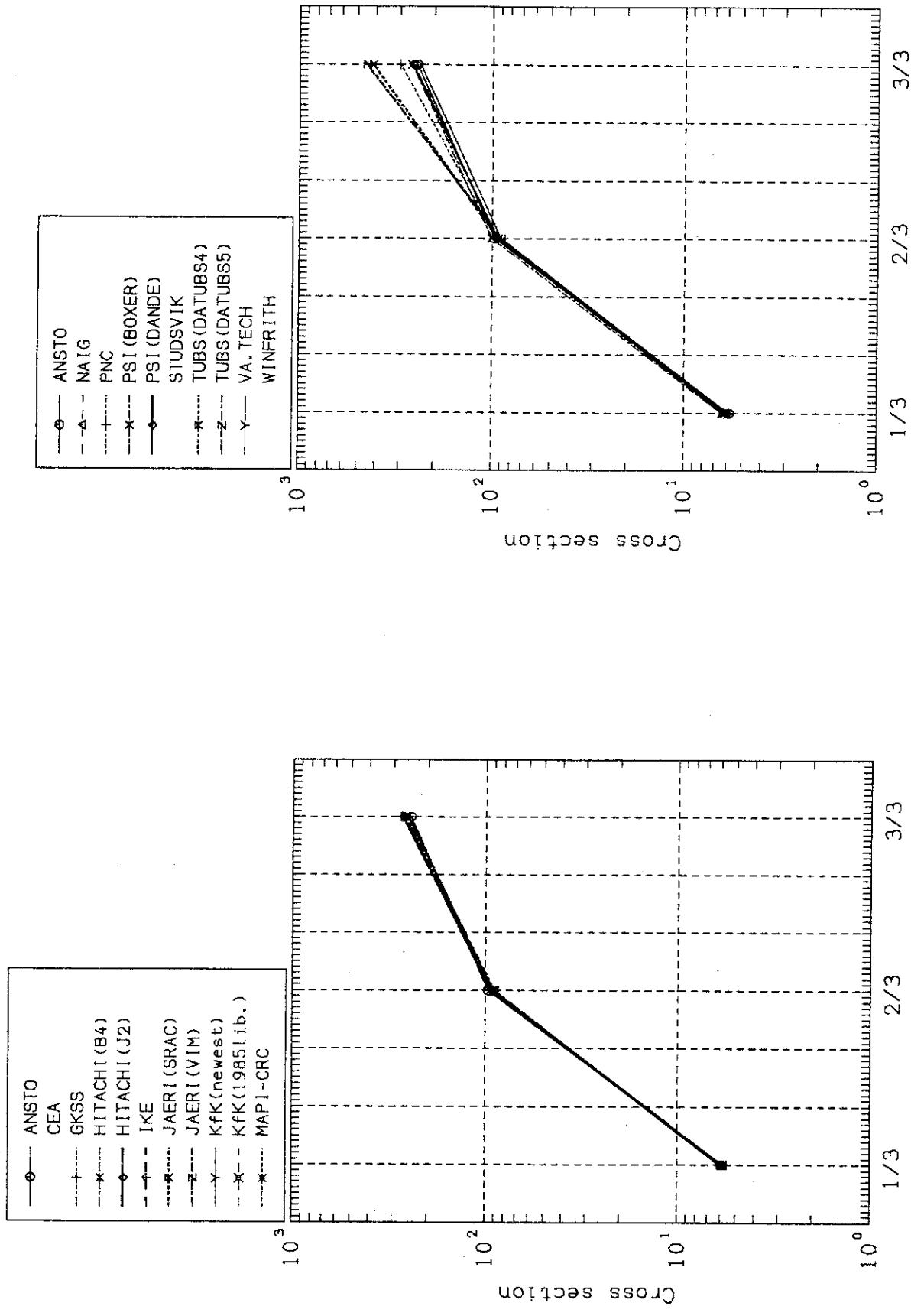


Fig.5.62 Group-wise production cross sections of Pu-241 : Vm/Vf=0.6, 0GWd/t.

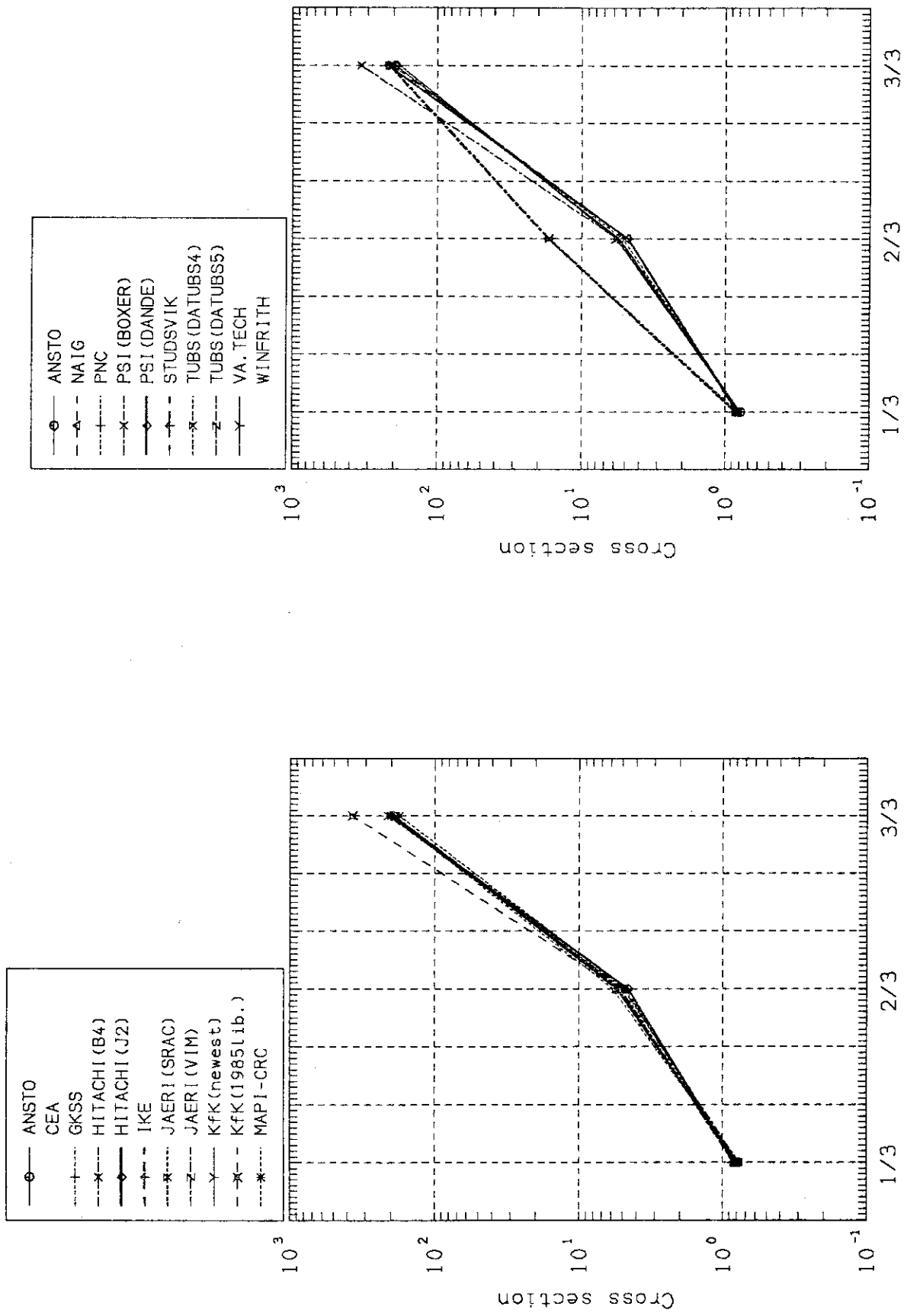


Fig.5.63 Group-wise absorption cross sections of Pu-242 : Vm/Vf=0.6, 0GWd/t.

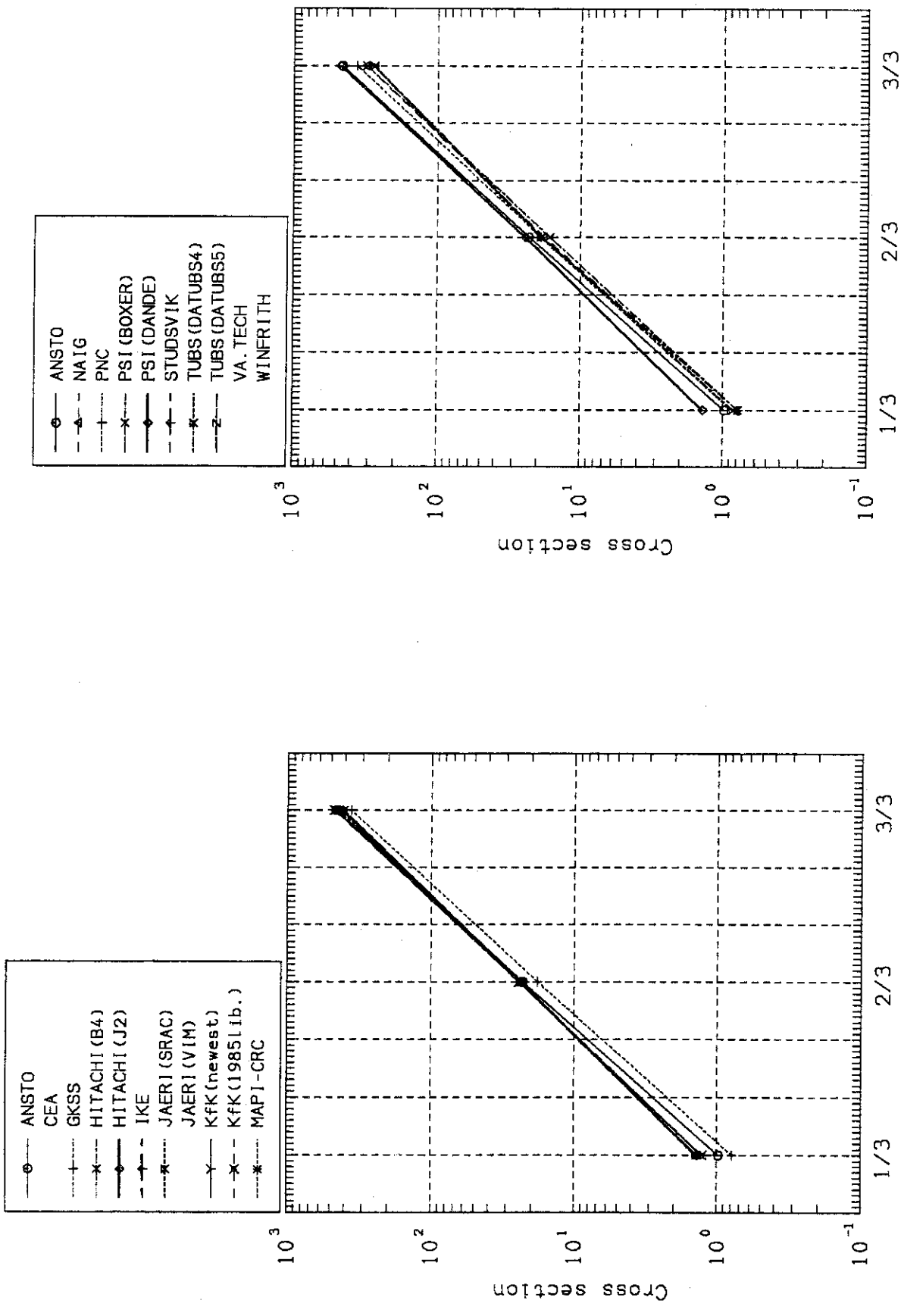


Fig.5.64 Group-wise absorption cross sections of Am-243 : Vm/Vf=0.6, 50GWd/t.

6. PHYSICS PROBLEMS RELATED TO THE BENCHMARK RESULTS

In the previous chapter, and also in the summary of the preliminary report(APPENDIX II), some problems were pointed out, which have caused such large differences in k_∞s and conversion ratios as shown in the present benchmark results. These problems are such as follows:

- Self-shielding effect of the 2.67eV resonance of Pu-242
- Treatment of fission products
- Both data and methods for U-238 and Pu-239, especially in the resonance energy region

In addition to the above problems, Pu-240 and Pu-241 were also important to some extent for the calculations of void reactivity and burnup reactivity change.

The following investigations have been made mainly by using the SRAC code[4], on which a brief description is given in APPENDIX IV.

6.1 Resonance of Pu-242 at 2.67eV

In some codes, neutron absorption by this 2.67eV resonance was treated without considering the self-shielding effect because of the restriction in the codes. Atomic number density of Pu-242 is usually very low compared with the other Pu isotopes, but this resonance has large cross section and the self-shielding effect is remarkable. Figure 6.1 shows group-wise absorption rate of Pu-242 calculated by the SRAC system for the cell of Vm/Vf=1.1, with and without self-shielding factor for the resonance. It can be seen from the figure that most of the absorption by Pu-242 occurs at this resonance. The neutron absorption by Pu-242 is about 4% of total absorption when the shielding effect is ignored, and if the shielding effect is taken into account, absorption by Pu-242 becomes 2.8% of total absorption and k_∞ becomes larger by 1.4%. For the case of Vm/Vf=0.6, the effect is reduced to be about 1.0%, because of the harder neutron spectrum. This shielding effect was one of the cause of the large discrepancy in k_∞s of the preliminary results.

From Fig.6.2, it is seen that the self-shielding effect on k_∞ decreases with increasing void fraction by the hardening of spectrum. Consequently, negative void reactivity is increased by the shielding effect. Treatment of this resonance is very important particularly for the estimate of void reactivity

6.2 Fission products

The reaction rate of the fission products is a principal problem in burnup calculations, because burnup reactivity loss in HCLWR is dominantly decided by the fission products, which contribute about 60% of total reactivity loss.[5]

The effects of fission products on burnup calculations have been investigated by Takano et al. by using a typical HCLWR cell model.[6] Since a number of fission products have large resonance capture cross sections, the resonance shielding effect on the burnup reactivity change is very important in the intermediate neutron spectrum of HCLWR between LWR and FBR. Figure 6.3 shows the contribution of individual nuclides to total absorption rate at 50 GWd/t for the cell with Vm/Vf of 0.74 calculated by the SRAC system. The self-shielding effect of Xe-131 and Cs-133 are remarkable. The shielding effect of fission products reduces the reactivity loss with burnup by about 0.6% and 0.8%Δk/k at 50 GWd/t for the cell of Vm/Vf=0.74 and 1.4, respectively.

Discrepancies among nuclear data of fission products are more remarkable than those of fuel materials. Table 6.1 shows the comparison of 2200m/s cross sections and resonance integrals for typical fission product nuclides obtained from the evaluated nuclear data files JENDL-1, JENDL-2, ENDF/B-V and JEF-1. Large discrepancies are observed in these primary nuclear data.

Consequently, the data and method for the treatment of fission products can largely affect the absorption rate of fission products, and also the burnup reactivity change.

6.3 U-238 and Pu-239

Overall sensitivity analyses for typical HCLWR cells show that U-238 and Pu-239 cross sections have very large sensitivities to the basic physics quantities.[7] In fact, in the comparison of the benchmark results, the reaction rates of U-238 and Pu-239 given by the participants considerably deviate one another, and this deviation contributes greatly to the difference of k_∞, conversion ratio and void reactivity.

Figure 6.4 shows the deviation of the infinite dilution and effective cross sections of U-238 based on ENDF/B-IV from those on JENDL-2. The effective cross sections are calculated for the cell with

Vm/Vf=1.1, by using the shielding factor table(f-table) look-up method and the fine energy mesh spectrum calculation method (PEACO) in the SRAC system. It can be seen that deviations of the effective cross sections are much larger than those of the infinite dilution cross section in the resolved resonance region from 4keV to 100eV. Moreover the two deviations are opposite in sign each other below 1keV. This can be attributed to the difference of resonance shielding effects calculated by the different sets of resonance parameters. As shown in Fig.6.5, each resonance factor obtained from ENDF/B-IV and JENDL-2 has a different value in the energy region from 2.03 to 1.58keV. In fact, a large difference can be seen between the resonance parameters of ENDF/B-IV and JENDL-2 in this energy region.

In Fig.6.6, the fission cross sections of Pu-239 are compared among the various evaluated nuclear data files in the energy range above 10keV, where the sensitivity coefficients for k_∞ and void reactivity coefficient show higher values predominantly at higher void fraction. The so-called "file discrepancy" of about 10% can be observed in this energy region.

Figures 6.7 and 6.8 show the comparison of the effective cross sections of U-238 and Pu-239, calculated for the cell of Vm/Vf is 1.1 based on the JENDL-2 library. In these figures the cross sections calculated by the three methods (f-table look-up, IR approximation and PEACO) are compared with the results obtained by the continuous energy Monte Carlo code VIM[8),9)]. The multiplication factors by these methods are 1.1213(f-table), 1.1355(IRA), 1.1269(PEACO) and 1.1287±0.0024(VIM). These results show that the effective cross sections in the important resolved resonance region should be calculated by direct spectrum calculation method with fine energy mesh.

It is very likely that the differences in the data and methods adopted for the estimate of the reactions of U-238 and Pu-239 result in the discrepancies that were found in the results of the benchmark calculation.

Table 6.1 Comparison of thermal cross sections and resonance integrals (barns, resonance integrals in the range from 0.5eV to 10MeV)

nuclide		JENDL-2	JENDL-1	ENDF/B-V	JEF-1
Tc-99	2200/s	19.8	17.7	19.5	19.0
	RI	319.2	207.0	351.0	359.0
Ru-103	2200/s	5.0		7.7	66.8
	RI	92.0		70.0	595.0
Pd-107	2200/s	1.9	10.0	10.0	1.9
	RI	101.0	120.0	76.4	103.7
Pd-108	2200/s	8.5		12.2	7.4
	RI	252.4		226.0	188.0
Xe-131	2200/s	85.0	88.0	90.1	85.5
	RI	900.0	904.0	891.0	1015.0
Cs-133	2200/s	29.0	29.0	29.6	29.0
	RI	437.2	398.0	405.0	383.0
Nd-145	2200/s	43.8	41.9	42.0	42.0
	RI	204.0	266.0	233.0	233.0
Sm-152	2200/s	206.0		207.0	206.0
	RI	2766.0		3001.0	2982.0
Eu-155	2200/s	4046.0	4040.0	4040.0	3647.0
	RI	18840.0	3218.0	1857.0	2178.0
Gd-155	2200/s	60890.0	61130.0	60930.0	61130.0
	RI	1548.0	2589.0	1555.0	2589.0

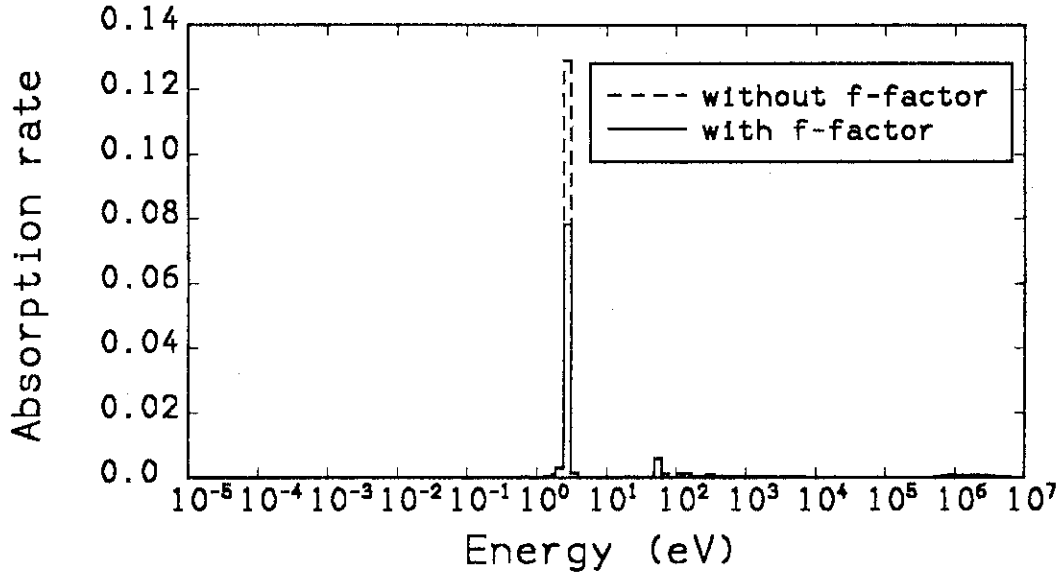


Fig.6.1 Group-wise absorption rates of Pu-242 calculated with and without shielding factor(f-factor) for the 2.67eV resonance.

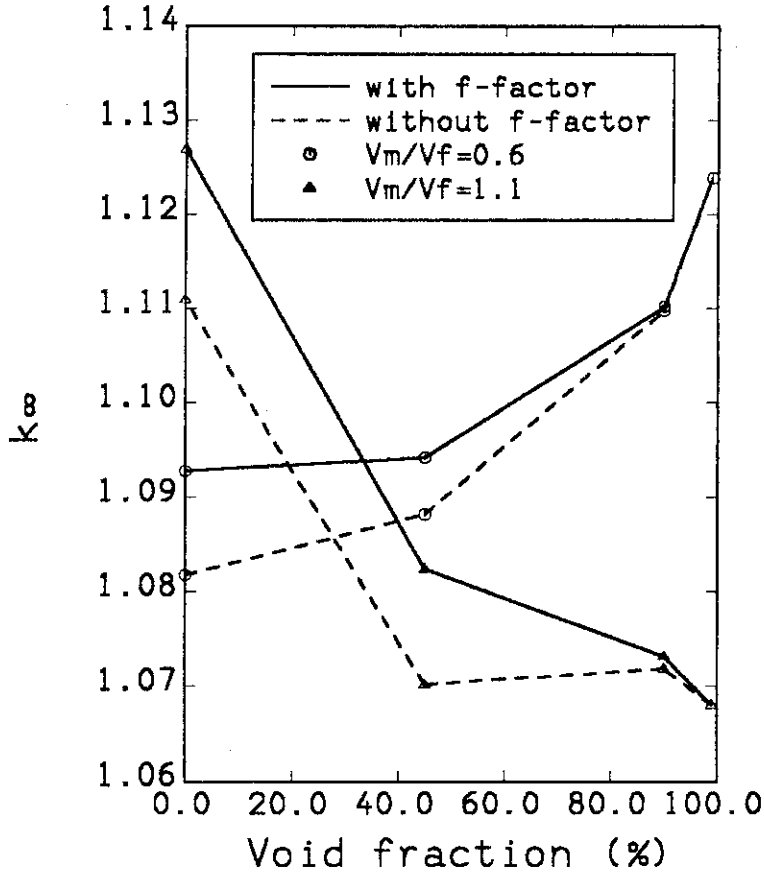


Fig.6.2 Dependence of k_∞ on void fraction.

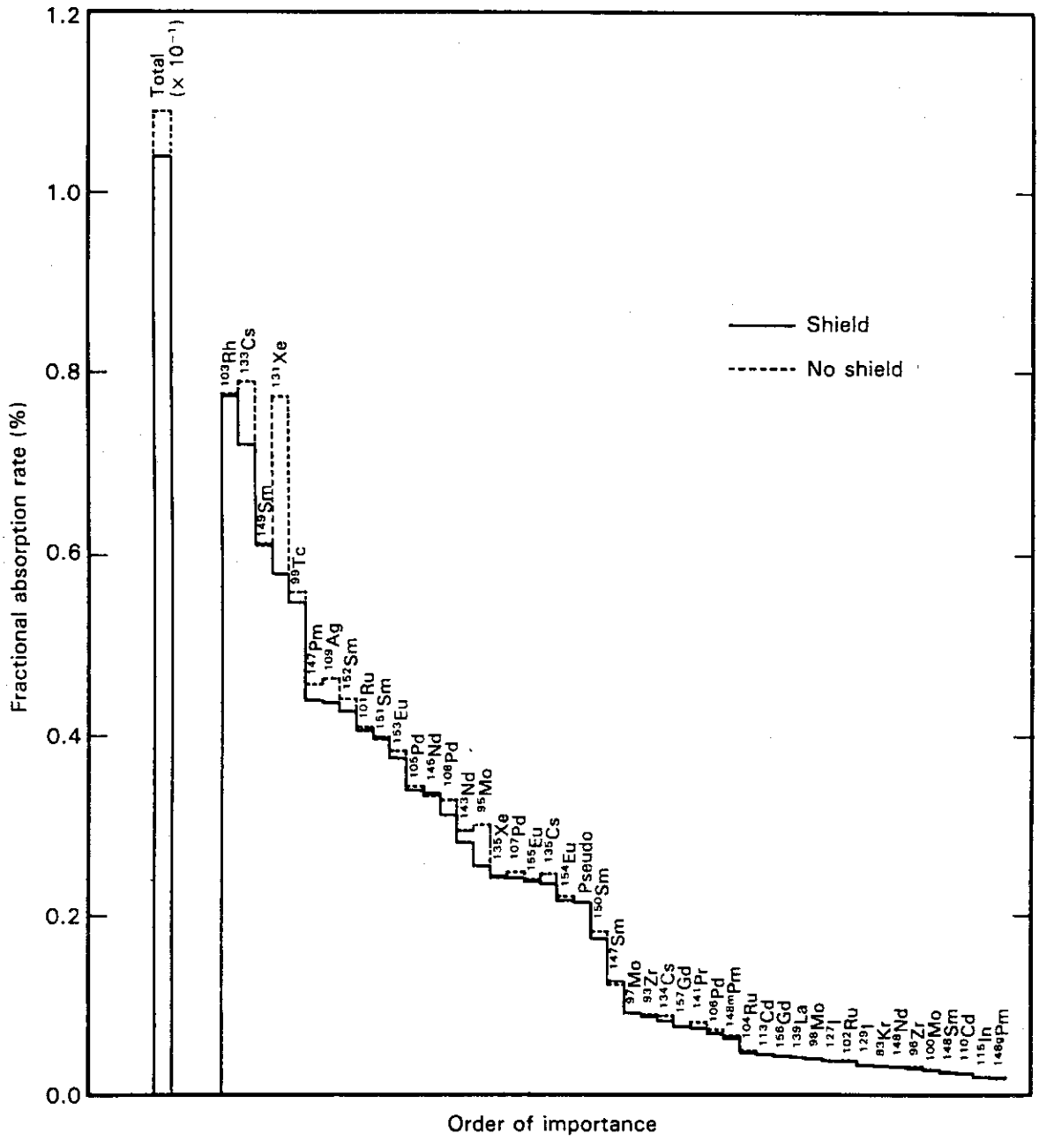


Fig.6.3 Contribution of individual nuclide to total absorption at 50GWd/t.

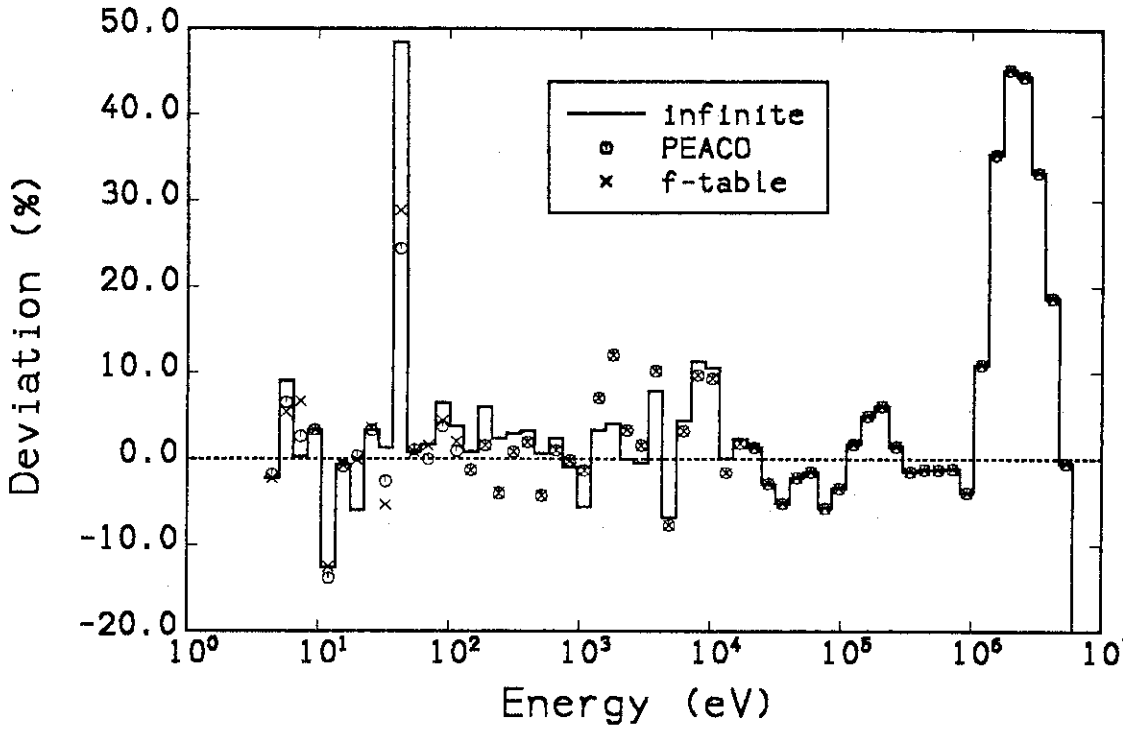


Fig.6.4 Deviation of U-238 capture cross section of ENDF/B-IV from JENDL-2.

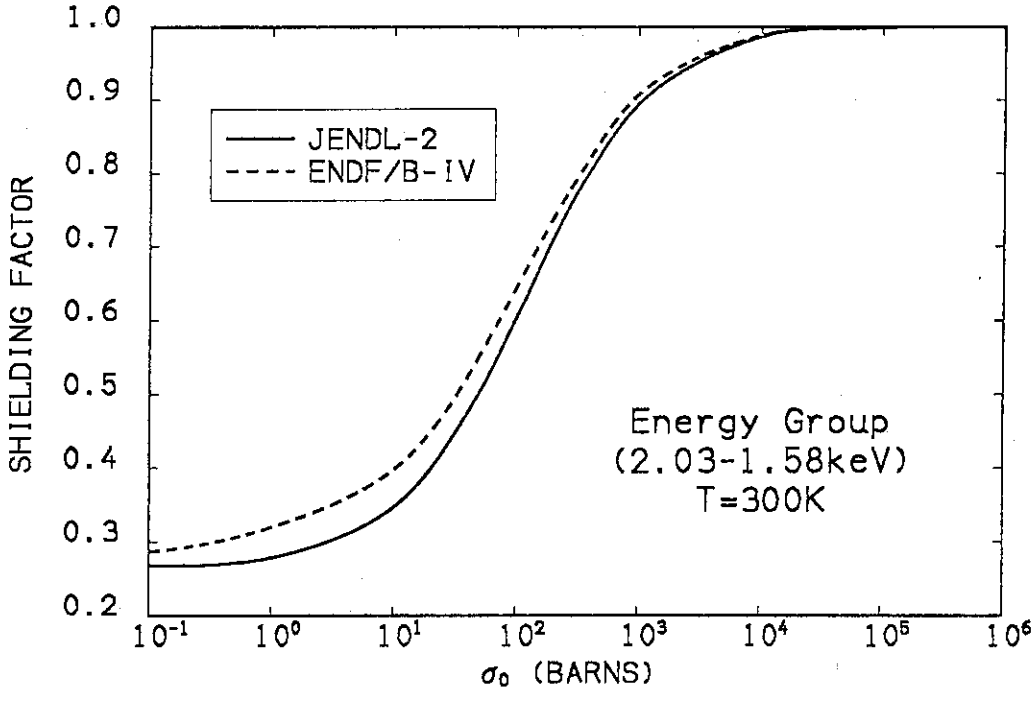


Fig.6.5 Self-shielding factor of U-238.

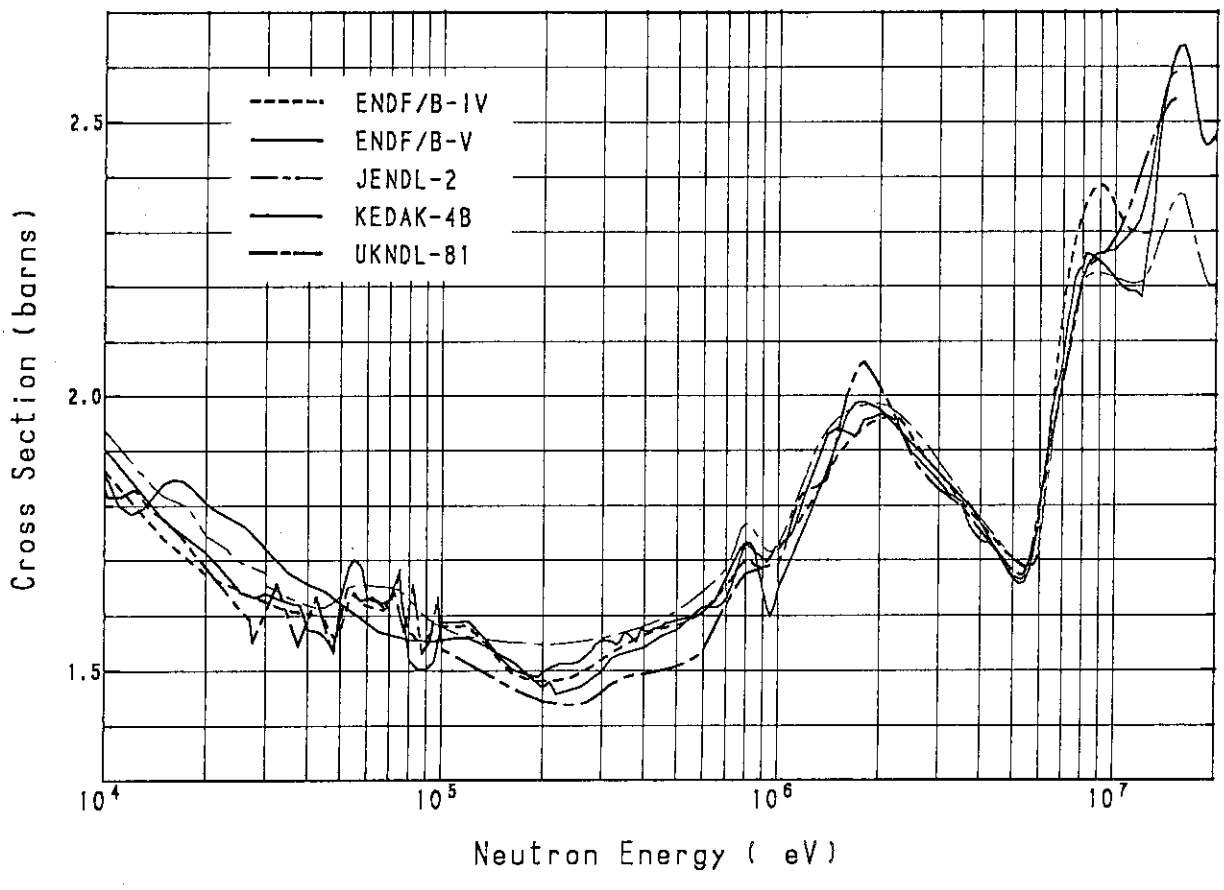


Fig.6.6 Pu-239 fission cross sections.

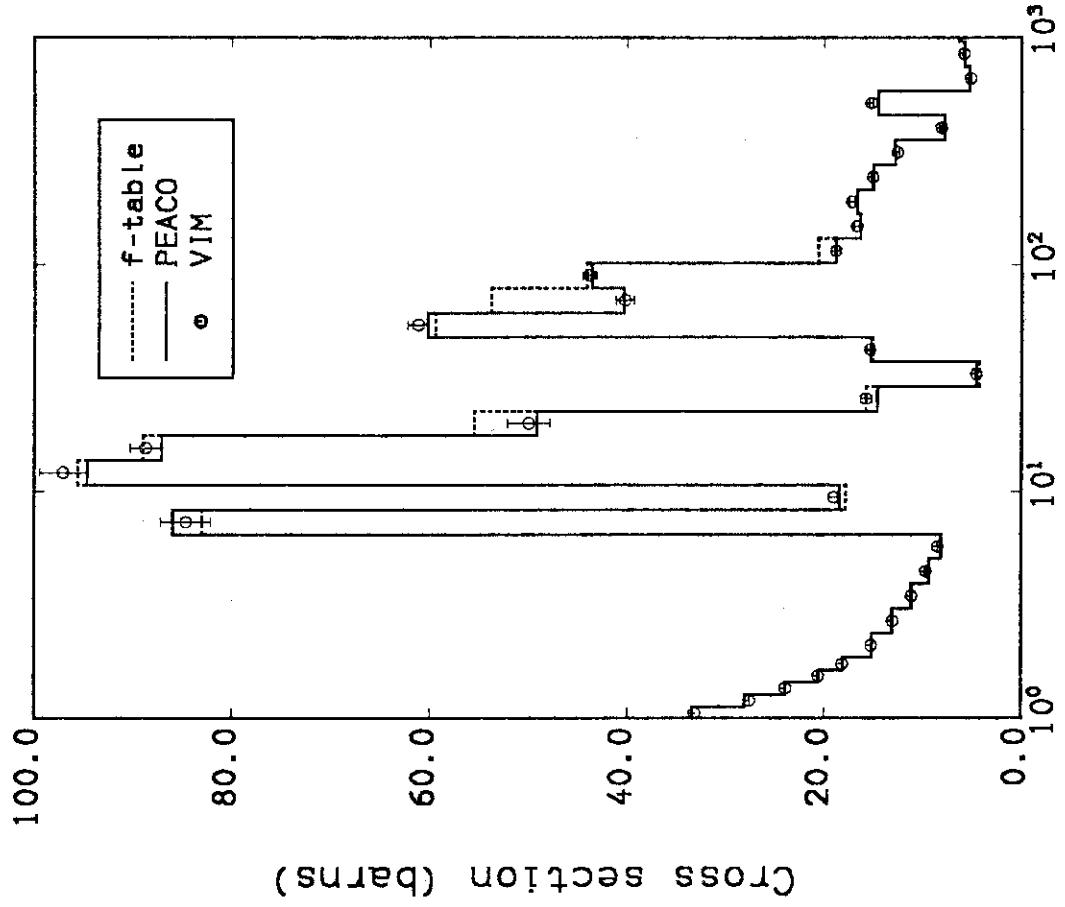


Fig.6.8 Effective fission cross sections of Pu-239 (Vm/Vf=1.1).

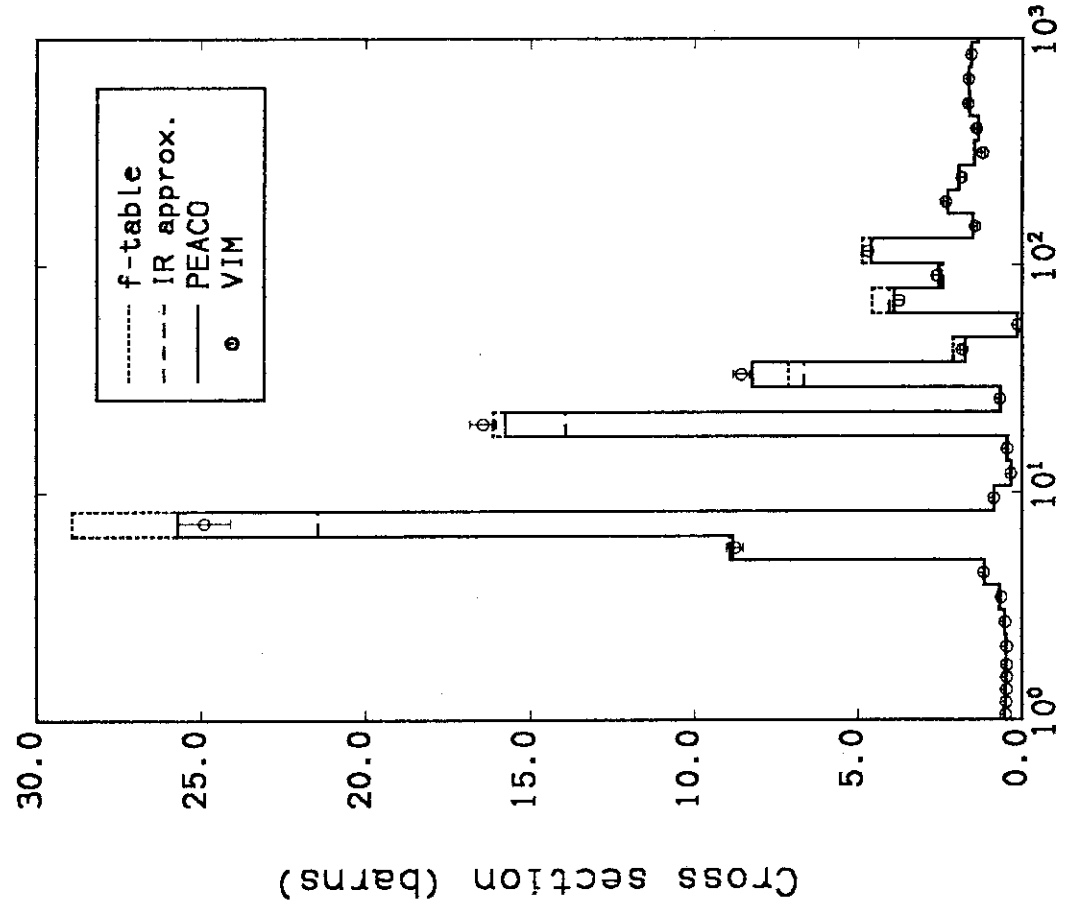


Fig.6.7 Effective capture cross sections of U-238 (Vm/Vf=1.1).

7. ADDITIONAL BENCHMARK PROBLEM

The object of this supplementary calculations is to check the methods used in the calculation of effective resonance cross sections. The results of this additional problem were used for the discussion at the specialists' meeting.

7.1 Specification of the problem

Infinite and homogeneous mixture of U-238, Pu-239, Pu240 ,Pu-241, Pu-242 and H at 300 K. Two cases are considered corresponding to the cases in the NEACRP HCLWR benchmarks in terms of H/heavy isotope ratio. The compositions of the mixtures are shown in Table 7.1.

Multigroup infinite dilution and effective cross sections of U-238 capture and Pu-239 fission are required between the energies of 150 eV and 4 eV. Either of the energy structures shown in Table 7.2 can be selected. Multigroup infinite dilution and effective capture cross sections of Pu-240 and Pu-242 are also required between 3 and 0.4 eV. The energy structures are shown in Table 7.2.

7.2 Results

The results are summarized in Tables 7.3~7.10. In these tables, RI means resonance integral of energy groups specified in the table. The APOLLO code of CEA uses different energy structure from other codes(lethargy width Δu=0.2) and this may be the cause of the deviated results. The RSYST code of IKE calculated two results with and without mutual shielding effect. The HELIOS.HX code of NAIG and the APOLLO code did not give cross sections in some energy groups. Thus the values calculated by the VIM code with JENDL-2 based library is assumed for the calculation of resonance integral, in the energy groups where the cross sections were not given. After the specialists' meeting, some errors were found in the calculation of U-238 and Pu-239 effective cross section performed by the CASMO code of STUDSVIK, and of Pu-242 effective cross section by the WIMS-ATR of PNC. The results of WIMS-ATR were revised, but the CASMO results were removed.

Table 7.1 Atomic number densities ($\times 10^{24}/cm^3$)

	CASE 1	CASE 2
U-238	1.045×10^{-2}	8.449×10^{-3}
Pu-239	8.069×10^{-4}	5.612×10^{-4}
Pu-240	3.547×10^{-4}	2.467×10^{-4}
Pu-241	1.427×10^{-4}	9.927×10^{-5}
Pu-242	1.088×10^{-4}	7.570×10^{-5}
H	1.466×10^{-2}	2.137×10^{-2}

Table 7.2 Energy group structures

structure 1 energy range (eV)			structure 2 energy range (eV)		
167.02	-	101.30	148.73	-	75.501
101.30	-	61.442	75.501	-	48.052
61.442	-	37.266	48.052	-	27.700
37.266	-	22.603	27.700	-	15.968
22.603	-	13.710	15.968	-	9.877
13.710	-	8.3153	9.877	-	4.00
8.3153	-	5.0435			
5.0435	-	3.0590			
3.0590	-	1.8554	3.30	-	2.10
1.8554	-	1.1253	2.10	-	1.123
1.1253	-	0.6825	1.123	-	0.625
0.68256	-	0.41399	0.625	-	0.400

Table 7.3 Comparison of U-238 capture cross sections (structure 1)

infinite dilution cross sections

E upper	167.0	101.3	61.4	37.3	22.6	13.7	8.32	5.04	/	RI
H.HX/B5	2.308E+1	2.547E+1	1.259E+0	8.310E+1	1.333E+2	6.070E-1	2.617E+2	8.680E-1		2.652E+2
H.HX/B5/IR	2.084E+1	2.314E+1	1.009E+0	9.636E+1	1.408E+2	5.460E-1	2.261E+2	8.490E-1		2.553E+2
H.HX/J2	2.307E+1	2.507E+1	1.197E+0	8.341E+1	1.330E+2	6.020E-1	2.610E+2	8.960E-1		2.646E+2
SRAC	2.277E+1	2.478E+1	1.548E+0	8.272E+1	1.319E+2	6.020E-1	2.580E+2	8.850E-1		2.621E+2
VIM/J2	2.362E+1	2.553E+1	1.268E+0	8.414E+1	1.325E+2	6.050E-1	2.587E+2	8.910E-1		2.641E+2
VIM/B4	2.392E+1	2.597E+1	1.716E+0	8.583E+1	1.268E+2	6.010E-1	2.604E+2	8.960E-1		2.636E+2
VMONT/B4	2.380E+1	2.562E+1	1.610E+0	8.502E+1	1.249E+2	6.000E-1	2.618E+2	9.000E-1		2.626E+2
GELS	2.398E+1	2.564E+1	1.580E+0	8.516E+1	1.259E+2	4.190E-1	2.635E+2	5.670E-1		2.639E+2
RSYST	2.236E+1	2.464E+1	1.258E+0	8.279E+1	1.319E+2	6.050E-1	2.600E+2	8.960E-1		2.627E+2
AUS	2.379E+1	2.564E+1	1.680E+0	8.536E+1	1.256E+2	5.986E-1	2.629E+2	8.992E-1		2.637E+2
mean value	2.312E+1	2.515E+1	1.412E+0	8.539E+1	1.307E+2	5.786E-1	2.574E+2	8.547E-1		2.628E+2
standard deviation	9.189E-1 (3.97%)	7.787E-1 (3.10%)	2.295E-1 (16.25%)	3.812E+0 (4.46%)	4.670E+0 (3.57%)	5.585E-2 (9.65%)	1.056E+1 (4.10%)	9.714E-2 (11.37%)		2.651E+0 (1.01%)

effective cross sections in Case 1

E upper	167.0	101.3	61.4	37.3	22.6	13.7	8.32	5.04	/	RI
H.HX/B5	1.890E+0	2.370E+0	8.470E-1	3.827E+0	6.061E+0	6.190E-1	1.174E+1	8.530E-1		1.412E+1
H.HX/B5/IR	1.710E+0	1.991E+0	8.050E-1	3.861E+0	6.131E+0	5.980E-1	1.088E+1	8.600E-1		1.344E+1
H.HX/J2	1.879E+0	2.255E+0	7.890E-1	3.551E+0	6.022E+0	6.110E-1	1.213E+1	8.810E-1		1.408E+1
SRAC	2.224E+0	2.332E+0	8.100E-1	3.615E+0	6.318E+0	6.040E-1	1.386E+1	8.810E-1		1.535E+1
VIM/J2	2.248E+0	2.385E+0	8.620E-1	3.866E+0	6.423E+0	6.120E-1	1.386E+1	8.860E-1		1.559E+1
VIM/B4	2.246E+0	2.411E+0	1.054E+0	3.756E+0	6.539E+0	6.000E-1	1.458E+1	8.910E-1		1.606E+1
VMONT/B4	1.820E+0	2.020E+0	8.700E-1	2.950E+0	6.280E+0	6.000E-1	1.573E+1	9.000E-1		1.561E+1
GELS	2.182E+0	2.211E+0	9.660E-1	3.520E+0	6.278E+0	4.340E-1	1.408E+1	5.420E-1		1.513E+1
*APOLLO	1.897E+0	1.908E+0	1.637E+0	5.430E+0	3.817E+0	6.720E-1	1.276E+1	8.230E-1		1.449E+1
RSYST	2.752E+0	2.344E+0	8.670E-1	3.803E+0	6.431E+0	6.150E-1	1.364E+1	8.870E-1		1.569E+1
**RSYST	2.364E+0	2.320E+0	8.710E-1	3.586E+0	5.314E+0	5.940E-1	1.227E+1	8.930E-1		1.413E+1
AUS	2.350E+0	2.641E+0	1.077E+0	3.795E+0	6.430E+0	6.098E-1	1.512E+1	8.875E-1		1.648E+1
mean value	2.130E+0	2.266E+0	9.546E-1	3.797E+0	6.004E+0	5.974E-1	1.339E+1	8.487E-1		1.501E+1
standard deviation	2.852E-1 (13.39%)	1.974E-1 (8.71%)	2.242E-1 (23.49%)	5.485E-1 (14.45%)	7.277E-1 (12.12%)	5.296E-2 (8.87%)	1.388E+0 (10.37%)	9.474E-2 (11.16%)		9.006E-1 (6.00%)

effective cross sections in Case 2

E upper	167.0	101.3	61.4	37.3	22.6	13.7	8.32	5.04	/	RI
H.HX/B5	2.482E+0	2.937E+0	9.430E-1	4.796E+0	7.517E+0	6.160E-1	1.506E+1	8.590E-1		1.763E+1
H.HX/B5/IR	2.249E+0	2.511E+0	8.860E-1	5.034E+0	7.503E+0	5.930E-1	1.391E+1	8.650E-1		1.680E+1
H.HX/J2	2.473E+0	2.814E+0	8.840E-1	4.535E+0	7.484E+0	6.100E-1	1.551E+1	8.870E-1		1.763E+1
SRAC	2.722E+0	2.860E+0	9.020E-1	4.548E+0	7.678E+0	6.050E-1	1.700E+1	8.840E-1		1.863E+1
VIM/J2	2.740E+0	2.946E+0	9.770E-1	4.849E+0	7.794E+0	6.130E-1	1.688E+1	8.890E-1		1.887E+1
VIM/B4	2.831E+0	3.068E+0	1.165E+0	4.736E+0	7.837E+0	6.080E-1	1.771E+1	8.930E-1		1.945E+1
VMONT/B4	2.250E+0	2.500E+0	9.800E-1	3.580E+0	7.310E+0	6.100E-1	1.800E+1	8.900E-1		1.809E+1
GELS	2.772E+0	2.782E+0	1.098E+0	4.519E+0	7.749E+0	4.290E-1	1.733E+1	5.540E-1		1.865E+1
*APOLLO	2.323E+0	2.409E+0	1.968E+0	7.167E+0	4.579E+0	6.840E-1	1.513E+1	8.220E-1		1.757E+1
RSYST	3.153E+0	2.915E+0	9.640E-1	4.799E+0	7.847E+0	6.140E-1	1.682E+1	8.910E-1		1.903E+1
AUS	2.932E+0	3.230E+0	1.200E+0	4.829E+0	7.928E+0	6.097E-1	1.845E+1	8.919E-1		2.007E+1
mean value	2.630E+0	2.816E+0	1.088E+0	4.854E+0	7.384E+0	5.992E-1	1.653E+1	8.478E-1		1.840E+1
standard deviation	2.822E-1 (10.73%)	2.408E-1 (8.55%)	2.970E-1 (27.30%)	8.165E-1 (16.82%)	9.055E-1 (12.26%)	5.827E-2 (9.72%)	1.360E+0 (8.23%)	9.515E-2 (11.22%)		9.125E-1 (4.96%)

* APOLLO code uses different energy structure (du=0.2) from other codes
** Mutual shielding not included

Table 7.4 Comparison of Pu-239 fission cross sections (structure 1)

infinite dilution cross sections

E upper	167.0	101.3	61.4	37.3	22.6	13.7	8.32	5.04 /	RI
H.HX/B5	1.909E+1	5.259E+1	4.135E+1	1.112E+1	8.501E+1	8.553E+1	5.244E+1	9.120E+0	1.781E+2
H.HX/B5/IR	1.909E+1	5.359E+1	4.135E+1	1.112E+1	8.501E+1	8.553E+1	5.244E+1	9.120E+0	1.786E+2
H.HX/J2	1.941E+1	5.538E+1	4.558E+1	1.126E+1	8.451E+1	7.297E+1	5.232E+1	1.046E+1	1.759E+2
SRAC	1.932E+1	5.515E+1	4.198E+1	1.111E+1	8.621E+1	8.160E+1	4.793E+1	1.011E+1	1.767E+2
VIM/J2	1.988E+1	5.612E+1	4.251E+1	1.123E+1	8.711E+1	8.261E+1	4.883E+1	1.046E+1	1.794E+2
VIM/B4	1.937E+1	5.325E+1	3.982E+1	1.131E+1	8.620E+1	9.401E+1	4.929E+1	9.130E+0	1.812E+2
VMONT/B4	1.927E+1	5.316E+1	3.946E+1	1.113E+1	8.678E+1	9.403E+1	4.888E+1	9.130E+0	1.809E+2
GELS	1.876E+1	5.275E+1	4.065E+1	1.082E+1	8.251E+1	9.256E+1	4.548E+1	5.110E+0	1.743E+2
RSYST	1.978E+1	5.604E+1	3.984E+1	1.173E+1	8.922E+1	8.537E+1	4.814E+1	9.750E+0	1.799E+2
AUS	1.943E+1	5.322E+1	3.946E+1	1.111E+1	8.681E+1	9.424E+1	4.900E+1	9.129E+0	1.812E+2
mean value	1.934E+1	5.412E+1	4.120E+1	1.119E+1	8.594E+1	8.684E+1	4.947E+1	9.152E+0	1.786E+2
standard deviation	3.108E-1 (1.61%)	1.316E+0 (2.43%)	1.779E+0 (4.32%)	2.180E-1 (1.95%)	1.711E+0 (1.99%)	6.587E+0 (7.58%)	2.164E+0 (4.37%)	1.450E+0 (15.85%)	2.243E+0 (1.26%)

effective cross sections in Case 1

E upper	167.0	101.3	61.4	37.3	22.6	13.7	8.32	5.04 /	RI
H.HX/B5	1.542E+1	3.768E+1	3.410E+1	8.410E+0	5.186E+1	4.687E+1	2.676E+1	9.160E+0	1.151E+2
H.HX/B5/IR	1.542E+1	3.768E+1	3.409E+1	8.430E+0	5.192E+1	4.682E+1	2.742E+1	9.160E+0	1.154E+2
H.HX/J2	1.539E+1	3.904E+1	3.694E+1	8.540E+0	5.033E+1	3.676E+1	2.711E+1	1.050E+1	1.123E+2
SRAC	1.781E+1	3.811E+1	3.500E+1	8.330E+0	5.653E+1	4.411E+1	3.428E+1	1.012E+1	1.221E+2
VIM/J2	1.704E+1	3.886E+1	3.480E+1	8.620E+0	5.668E+1	4.383E+1	3.474E+1	1.048E+1	1.225E+2
VIM/B4	1.679E+1	3.849E+1	3.356E+1	8.390E+0	5.778E+1	5.335E+1	3.395E+1	9.170E+0	1.257E+2
VMONT/B4	1.629E+1	3.789E+1	3.231E+1	8.510E+0	5.430E+1	5.383E+1	3.518E+1	9.160E+0	1.237E+2
GELS	1.613E+1	3.797E+1	3.479E+1	8.200E+0	5.494E+1	5.036E+1	2.993E+1	5.260E+0	1.188E+2
*APOLLO	1.663E+1	4.269E+1	2.925E+1	1.224E+1	5.216E+1	6.446E+1	2.443E+1	9.770E+0	1.258E+2
RSYST	1.825E+1	3.948E+1	3.275E+1	9.070E+0	5.815E+1	4.595E+1	3.395E+1	9.700E+0	1.236E+2
**RSYST	1.648E+1	3.895E+1	2.961E+1	8.050E+0	4.938E+1	4.207E+1	2.507E+1	9.740E+0	1.097E+2
AUS	1.648E+1	3.939E+1	3.170E+1	8.821E+0	5.745E+1	5.380E+1	2.981E+1	9.177E+0	1.233E+2
mean value	1.651E+1	3.885E+1	3.324E+1	8.801E+0	5.429E+1	4.852E+1	3.022E+1	9.283E+0	1.198E+2
standard deviation	8.620E-1 (5.22%)	1.310E+0 (3.37%)	2.156E+0 (6.48%)	1.068E+0 (12.14%)	2.945E+0 (5.42%)	6.895E+0 (14.21%)	3.864E+0 (12.79%)	1.307E+0 (14.08%)	5.222E+0 (4.36%)

effective cross sections in Case 2

E upper	167.0	101.3	61.4	37.3	22.6	13.7	8.32	5.04 /	RI
H.HX/B5	1.654E+1	4.117E+1	3.644E+1	9.340E+0	6.055E+1	5.590E+1	3.148E+1	9.150E+0	1.303E+2
H.HX/B5/IR	1.654E+1	4.117E+1	3.642E+1	9.380E+0	6.058E+1	5.586E+1	3.223E+1	9.150E+0	1.306E+2
H.HX/J2	1.661E+1	4.275E+1	3.972E+1	9.480E+0	5.902E+1	4.523E+1	3.182E+1	1.049E+1	1.275E+2
SRAC	1.815E+1	4.180E+1	3.742E+1	9.250E+0	6.532E+1	5.339E+1	3.914E+1	1.011E+1	1.373E+2
VIM/J2	1.790E+1	4.253E+1	3.772E+1	9.550E+0	6.584E+1	5.299E+1	3.888E+1	1.048E+1	1.379E+2
VIM/B4	1.763E+1	4.225E+1	3.547E+1	9.510E+0	6.722E+1	6.263E+1	3.923E+1	9.150E+0	1.415E+2
VMONT/B4	1.674E+1	3.988E+1	3.546E+1	9.150E+0	6.698E+1	6.300E+1	4.032E+1	8.940E+0	1.402E+2
GELS	1.708E+1	4.152E+1	3.691E+1	9.110E+0	6.360E+1	6.096E+1	3.506E+1	5.200E+0	1.347E+2
*APOLLO	1.954E+1	4.695E+1	3.165E+1	1.417E+1	6.019E+1	7.578E+1	2.698E+1	9.620E+0	1.424E+2
RSYST	1.873E+1	4.321E+1	3.521E+1	1.008E+1	6.742E+1	5.581E+1	3.883E+1	9.680E+0	1.395E+2
AUS	1.751E+1	4.320E+1	3.485E+1	9.680E+0	6.608E+1	6.477E+1	3.346E+1	9.163E+0	1.393E+2
mean value	1.754E+1	4.240E+1	3.612E+1	9.882E+0	6.389E+1	5.876E+1	3.522E+1	9.194E+0	1.365E+2
standard deviation	9.363E-1 (5.34%)	1.723E+0 (4.06%)	1.938E+0 (5.37%)	1.380E+0 (13.97%)	3.065E+0 (4.80%)	7.592E+0 (12.92%)	4.149E+0 (11.78%)	1.369E+0 (14.89%)	4.769E+0 (3.49%)

* APOLLO code uses different energy structure (du=0.2) from other codes
** Mutual shielding not included

Table 7.5 Comparison of Pu-240 capture cross sections (structure 1)

infinite dilution cross sections

E upper	3.059	1.855	1.125	0.683 /	RI
SRAC	2.166E+1	9.317E+2	1.546E+4	2.508E+2	8.318E+3
VIM/J2	2.171E+1	9.335E+2	1.549E+4	2.505E+2	8.333E+3
VIM/B4	2.190E+1	9.417E+2	1.535E+4	2.522E+2	8.268E+3
VMONT/B4	2.186E+1	8.876E+2	1.552E+4	2.522E+2	8.326E+3
H.HX	2.240E+1	1.004E+3	1.445E+4	***	7.850E+3
H.HX/IR	2.140E+1	8.944E+2	1.552E+4	***	8.329E+3
GELS	2.183E+1	9.363E+2	1.546E+4	2.509E+2	8.320E+3
RSYST	2.166E+1	9.483E+2	1.523E+4	2.517E+2	8.212E+3
AUS	2.192E+1	9.452E+2	1.545E+4	2.521E+2	8.320E+3
mean value	2.182E+1	9.359E+2	1.533E+4	2.513E+2	8.253E+3
standard deviation	2.569E-1 (1.18%)	3.161E+1 (3.38%)	3.216E+2 (2.10%)	7.257E-1 (0.29%)	1.472E+2 (1.78%)

effective cross sections in Case 1

E upper	3.059	1.855	1.125	0.683 /	RI
SRAC	2.272E+1	4.151E+2	2.039E+3	2.616E+2	1.367E+3
VIM/J2	2.267E+1	3.981E+2	2.070E+3	2.640E+2	1.376E+3
VIM/B4	2.289E+1	4.014E+2	2.052E+3	2.671E+2	1.370E+3
VMONT/B4	2.305E+1	4.023E+2	2.063E+3	2.643E+2	1.375E+3
H.HX	2.350E+1	4.094E+2	2.061E+3	***	1.377E+3
H.HX/IR	2.260E+1	3.632E+2	1.982E+3	***	1.314E+3
GELS	2.287E+1	3.973E+2	2.068E+3	2.651E+2	1.375E+3
*APOLLO	***	4.113E+2	2.060E+3	2.718E+2	1.381E+3
RSYST	2.266E+1	3.993E+2	2.042E+3	2.656E+2	1.363E+3
AUS	2.278E+1	4.101E+2	2.012E+3	2.516E+2	1.347E+3
mean value	2.284E+1	4.007E+2	2.045E+3	2.639E+2	1.364E+3
standard deviation	2.547E-1 (1.12%)	1.383E+1 (3.45%)	2.667E+1 (1.30%)	4.835E+0 (1.83%)	1.914E+1 (1.40%)

effective cross sections in Case 2

E upper	3.059	1.855	1.125	0.683 /	RI
SRAC	2.235E+1	5.127E+2	2.437E+3	2.580E+2	1.613E+3
VIM/J2	2.243E+1	4.937E+2	2.422E+3	2.592E+2	1.597E+3
VIM/B4	2.274E+1	5.023E+2	2.453E+3	2.617E+2	1.618E+3
VMONT/B4	2.266E+1	4.964E+2	2.365E+3	2.606E+2	1.570E+3
H.HX	2.340E+1	5.132E+2	2.449E+3	***	1.620E+3
H.HX/IR	2.250E+1	4.585E+2	2.377E+3	***	1.557E+3
GELS	2.264E+1	4.947E+2	2.476E+3	2.605E+2	1.625E+3
*APOLLO	2.218E+1	5.172E+2	2.458E+3	2.672E+2	1.630E+3
RSYST	2.245E+1	4.973E+2	2.428E+3	2.613E+2	1.602E+3
AUS	2.288E+1	5.051E+2	2.360E+3	2.539E+2	1.569E+3
mean value	2.262E+1	4.991E+2	2.423E+3	2.601E+2	1.600E+3
standard deviation	3.222E-1 (1.42%)	1.570E+1 (3.15%)	3.909E+1 (1.61%)	3.164E+0 (1.22%)	2.484E+1 (1.55%)

* APOLLO code uses different energy structure (du=0.2) from other codes
*** VIM(J2) value is assumed in the 4th (or 1st) energy group

Table 7.6 Comparison of Pu-242 capture cross sections (structure 1)

infinite dilution cross sections

E upper	3.059	1.855	1.125	0.683 /	RI
SRAC	2.087E+3	1.239E+1	6.862E+0	6.149E+0	1.057E+3
VIM/J2	2.084E+3	1.237E+1	6.865E+0	6.151E+0	1.055E+3
VIM/B4	2.130E+3	1.219E+1	6.801E+0	6.134E+0	1.078E+3
VMONT/B4	2.097E+3	1.217E+1	6.800E+0	6.130E+0	1.061E+3
H.HX	2.088E+3	1.252E+1	6.930E+0	***	1.057E+3
H.HX/IR	2.032E+3	1.263E+1	6.910E+0	***	1.029E+3
GELS	2.114E+3	1.214E+1	5.043E+0	5.964E+0	1.069E+3
RSYST	2.088E+3	1.236E+1	6.873E+0	6.170E+0	1.057E+3
AUS	2.113E+3	1.221E+1	6.804E+0	6.134E+0	1.070E+3
mean value	2.093E+3	1.233E+1	6.654E+0	6.126E+0	1.059E+3
standard deviation	2.606E+1 (1.25%)	1.591E-1 (1.29%)	5.714E-1 (8.59%)	5.843E-2 (0.95%)	1.286E+1 (1.21%)

effective cross sections in Case 1

E upper	3.059	1.855	1.125	0.683 /	RI
SRAC	6.175E+2	1.350E+1	6.560E+0	6.147E+0	3.220E+2
VIM/J2	5.601E+2	1.364E+1	6.554E+0	6.149E+0	2.933E+2
VIM/B4	5.777E+2	1.346E+1	6.498E+0	6.131E+0	3.020E+2
VMONT/B4	6.192E+2	1.339E+1	6.510E+0	6.130E+0	3.227E+2
H.HX	5.420E+2	1.357E+1	6.690E+0	***	2.843E+2
H.HX/IR	5.760E+2	1.373E+1	6.690E+0	***	3.014E+2
GELS	5.532E+2	1.339E+1	5.823E+0	5.964E+0	2.893E+2
*APOLLO	***	1.400E+1	6.685E+0	6.248E+0	2.936E+2
RSYST	5.676E+2	1.366E+1	6.566E+0	6.170E+0	2.971E+2
AUS	5.797E+2	1.314E+1	6.493E+0	6.131E+0	3.028E+2
mean value	5.753E+2	1.355E+1	6.507E+0	6.137E+0	3.009E+2
standard deviation	2.419E+1 (4.20%)	2.203E-1 (1.63%)	2.399E-1 (3.69%)	6.633E-2 (1.08%)	1.209E+1 (4.02%)

effective cross sections in Case 2

E upper	3.059	1.855	1.125	0.683 /	RI
SRAC	8.143E+2	1.312E+1	6.586E+0	6.148E+0	4.202E+2
VIM/J2	7.529E+2	1.325E+1	6.581E+0	6.149E+0	3.896E+2
VIM/B4	7.658E+2	1.304E+1	6.525E+0	6.131E+0	3.959E+2
VMONT/B4	7.953E+2	1.296E+1	6.530E+0	6.130E+0	4.106E+2
H.HX	7.479E+2	1.326E+1	6.710E+0	***	3.872E+2
H.HX/IR	7.632E+2	1.348E+1	6.730E+0	***	3.949E+2
GELS	7.586E+2	1.302E+1	5.300E+0	5.963E+0	3.916E+2
*APOLLO	7.857E+2	1.360E+1	6.716E+0	6.249E+0	4.063E+2
RSYST	7.735E+2	1.326E+1	6.592E+0	6.168E+0	3.999E+2
AUS	7.965E+2	1.292E+1	6.465E+0	6.132E+0	4.112E+2
mean value	7.754E+2	1.319E+1	6.473E+0	6.137E+0	4.007E+2
standard deviation	2.062E+1 (2.66%)	2.116E-1 (1.60%)	4.002E-1 (6.18%)	6.667E-2 (1.09%)	1.033E+1 (2.58%)

* APOLLO code uses different energy structure (du=0.2) from other codes
*** VIM(J2) value is assumed in the 4th (or 1st) energy group

Table 7.7 Comparison of U-238 capture cross sections (structure 2)

infinite dilution cross sections

E upper	148.7	75.5	48.05	27.7	15.97	9.877 /	RI
VIM/J2	1.851E+1	2.580E+1	7.732E+1	1.200E+2	4.785E-1	1.438E+2	2.631E+2
VIM/B4	1.892E+1	2.586E+1	7.903E+1	1.152E+2	4.586E-1	1.447E+2	2.625E+2
WIMS-ATR	1.685E+1	2.438E+1	7.794E+1	1.110E+2	2.101E-1	1.430E+2	2.559E+2
BOXER	1.802E+1	2.543E+1	7.616E+1	1.210E+2	4.779E-1	1.450E+2	2.636E+2
*CASMO	1.712E+1	2.696E+1	7.524E+1	1.168E+2	4.200E-1	1.425E+2	2.586E+2
GRUCAL(KfK)	1.770E+1	2.578E+1	7.723E+1	1.171E+2	4.810E-1	1.374E+2	2.551E+2
RESABK(KfK)	1.817E+1	2.551E+1	7.744E+1	1.208E+2	4.950E-1	1.445E+2	2.639E+2
WIMS-E	1.810E+1	2.503E+1	7.663E+1	1.206E+2	4.775E-1	1.445E+2	2.630E+2
mean value	1.792E+1	2.559E+1	7.712E+1	1.178E+2	4.373E-1	1.432E+2	2.607E+2
standard deviation	6.409E-1 (3.58%)	6.928E-1 (2.71%)	1.071E+0 (1.39%)	3.287E+0 (2.79%)	8.844E-2 (20.22%)	2.329E+0 (1.63%)	3.396E+0 (1.30%)

effective cross sections in Case 1

E upper	148.7	75.5	48.05	27.7	15.97	9.877 /	RI
VIM/J2	2.139E+0	1.763E+0	4.008E+0	5.141E+0	4.881E-1	6.975E+0	1.382E+1
VIM/B4	2.172E+0	1.748E+0	4.080E+0	5.234E+0	4.581E-1	7.262E+0	1.418E+1
WIMS-ATR	2.183E+0	1.890E+0	3.997E+0	5.172E+0	1.965E-1	7.186E+0	1.397E+1
BOXER	2.104E+0	1.866E+0	4.006E+0	5.130E+0	4.841E-1	6.710E+0	1.360E+1
GRUCAL	1.751E+0	1.731E+0	3.156E+0	4.958E+0	4.720E-1	7.252E+0	1.322E+1
RESABK	2.206E+0	1.858E+0	4.028E+0	5.183E+0	5.020E-1	7.072E+0	1.404E+1
WIMS-E	2.084E+0	1.833E+0	3.962E+0	5.319E+0	4.494E-1	7.084E+0	1.397E+1
mean value	2.091E+0	1.813E+0	3.891E+0	5.162E+0	4.357E-1	7.077E+0	1.383E+1
standard deviation	1.446E-1 (6.91%)	5.930E-2 (3.27%)	3.019E-1 (7.76%)	1.024E-1 (1.98%)	9.907E-2 (22.74%)	1.780E-1 (2.52%)	3.002E-1 (2.17%)

effective cross sections in Case 2

E upper	148.7	75.5	48.05	27.7	15.97	9.877 /	RI
VIM/J2	2.535E+0	2.227E+0	5.008E+0	6.509E+0	4.875E-1	8.755E+0	1.722E+1
VIM/B4	2.670E+0	2.269E+0	5.102E+0	6.552E+0	4.647E-1	9.025E+0	1.763E+1
WIMS-ATR	2.766E+0	2.472E+0	5.141E+0	6.780E+0	2.041E-1	9.225E+0	1.799E+1
BOXER	2.563E+0	2.312E+0	4.988E+0	6.552E+0	4.838E-1	8.491E+0	1.705E+1
GRUCAL	2.088E+0	1.992E+0	3.674E+0	5.878E+0	4.740E-1	8.632E+0	1.561E+1
RESABK	2.640E+0	2.296E+0	5.021E+0	6.606E+0	5.020E-1	8.883E+0	1.750E+1
WIMS-E	2.586E+0	2.292E+0	4.947E+0	6.696E+0	4.641E-1	8.840E+0	1.741E+1
mean value	2.550E+0	2.266E+0	4.840E+0	6.510E+0	4.400E-1	8.836E+0	1.720E+1
standard deviation	2.015E-1 (7.90%)	1.324E-1 (5.84%)	4.801E-1 (9.92%)	2.725E-1 (4.19%)	9.711E-2 (22.07%)	2.257E-1 (2.55%)	7.091E-1 (4.12%)

* Effective cross sections calculated by CASMO were removed

Table 7.8 Comparison of Pu-239 fission cross sections (structure 2)

infinite dilution cross sections

E upper	148.7	75.5	48.05	27.7	15.97	9.877 /	RI
VIM/J2	3.067E+1	7.020E+1	1.109E+1	4.303E+1	1.335E+2	3.091E+1	1.744E+2
VIM/B4	2.895E+1	6.699E+1	1.014E+1	4.373E+1	1.441E+2	3.090E+1	1.767E+2
WIMS-ATR	3.035E+1	7.050E+1	1.107E+1	4.314E+1	1.339E+2	3.080E+1	1.745E+2
BOXER	2.888E+1	6.654E+1	1.004E+1	4.334E+1	1.450E+2	3.063E+1	1.764E+2
*CASMO	3.284E+1	5.987E+1	1.182E+1	3.952E+1	1.443E+2	2.970E+1	1.738E+2
GRUCAL	2.851E+1	6.727E+1	1.063E+1	4.304E+1	1.450E+2	3.175E+1	1.777E+2
RESABK	2.901E+1	6.686E+1	1.012E+1	4.350E+1	1.457E+2	3.077E+1	1.772E+2
WIMS-E	3.035E+1	7.050E+1	1.107E+1	4.314E+1	1.339E+2	3.081E+1	1.745E+2
mean value	2.994E+1	6.734E+1	1.075E+1	4.280E+1	1.407E+2	3.078E+1	1.756E+2
standard deviation	1.337E+0 (4.46%)	3.259E+0 (4.84%)	5.866E-1 (5.46%)	1.262E+0 (2.95%)	5.371E+0 (3.82%)	5.199E-1 (1.69%)	1.419E+0 (0.81%)

effective cross sections in Case 1

E upper	148.7	75.5	48.05	27.7	15.97	9.877 /	RI
VIM/J2	2.562E+1	4.921E+1	8.785E+0	2.656E+1	7.817E+1	2.068E+1	1.153E+2
VIM/B4	2.499E+1	4.895E+1	7.971E+0	2.739E+1	8.909E+1	1.999E+1	1.194E+2
WIMS-ATR	2.605E+1	5.099E+1	8.480E+0	2.747E+1	8.354E+1	1.901E+1	1.178E+2
BOXER	2.498E+1	4.716E+1	8.008E+0	2.755E+1	8.854E+1	1.993E+1	1.184E+2
GRUCAL	2.372E+1	4.778E+1	8.095E+0	2.551E+1	9.186E+1	2.527E+1	1.232E+2
RESABK	2.526E+1	4.756E+1	7.985E+0	2.750E+1	8.930E+1	2.051E+1	1.196E+2
WIMS-E	2.521E+1	4.794E+1	8.183E+0	2.504E+1	7.844E+1	1.811E+1	1.111E+2
mean value	2.512E+1	4.851E+1	8.215E+0	2.672E+1	8.556E+1	2.050E+1	1.178E+2
standard deviation	6.697E-1 (2.67%)	1.220E+0 (2.51%)	2.843E-1 (3.46%)	9.725E-1 (3.64%)	5.133E+0 (6.00%)	2.115E+0 (10.32%)	3.501E+0 (2.97%)

effective cross sections in Case 2

E upper	148.7	75.5	48.05	27.7	15.97	9.877 /	RI
VIM/J2	2.734E+1	5.452E+1	9.538E+0	3.155E+1	9.171E+1	2.335E+1	1.310E+2
VIM/B4	2.645E+1	5.352E+1	8.707E+0	3.252E+1	1.026E+2	2.303E+1	1.349E+2
WIMS-ATR	2.764E+1	5.675E+1	9.303E+0	3.200E+1	9.686E+1	2.200E+1	1.336E+2
BOXER	2.641E+1	5.167E+1	8.631E+0	3.242E+1	1.029E+2	2.299E+1	1.341E+2
GRUCAL	2.521E+1	5.297E+1	8.825E+0	2.974E+1	1.050E+2	2.637E+1	1.366E+2
RESABK	2.661E+1	5.204E+1	8.561E+0	3.235E+1	1.035E+2	2.351E+1	1.351E+2
WIMS-E	2.691E+1	5.388E+1	9.042E+0	2.960E+1	9.183E+1	2.100E+1	1.270E+2
mean value	2.665E+1	5.362E+1	8.944E+0	3.145E+1	9.920E+1	2.318E+1	1.332E+2
standard deviation	7.267E-1 (2.73%)	1.577E+0 (2.94%)	3.394E-1 (3.79%)	1.168E+0 (3.71%)	5.255E+0 (5.30%)	1.536E+0 (6.63%)	2.984E+0 (2.24%)

* Effective cross sections calculated by CASMO were removed

Table 7.9 Comparison of Pu-240 capture cross sections (structure 2)

infinite dilution cross sections

E upper	3.3	2.1	1.123	0.625 /	RI
VIM/J2	1.389E+1	7.914E+2	1.320E+4	2.240E+2	8.337E+3
VIM/B4	1.398E+1	7.942E+2	1.311E+4	2.254E+2	8.287E+3
WIMS-ATR	1.395E+1	7.858E+2	1.317E+4	2.239E+2	8.316E+3
RESABK	1.421E+1	8.637E+2	1.233E+4	2.327E+2	7.876E+3
WIMS-E	1.395E+1	7.925E+2	1.321E+4	2.239E+2	8.343E+3
mean value	1.400E+1	8.055E+2	1.300E+4	2.260E+2	8.232E+3
standard deviation	1.109E-1 (0.79%)	2.923E+1 (3.63%)	3.388E+2 (2.61%)	3.408E+0 (1.51%)	1.788E+2 (2.17%)

effective cross sections in Case 1

E upper	3.3	2.1	1.123	0.625 /	RI
VIM/J2	1.390E+1	3.070E+2	1.647E+3	2.346E+2	1.268E+3
VIM/B4	1.401E+1	3.086E+2	1.628E+3	2.366E+2	1.259E+3
WIMS-ATR	1.444E+1	3.378E+2	1.696E+3	2.335E+2	1.316E+3
RESABK	1.411E+1	3.284E+2	1.741E+3	2.433E+2	1.341E+3
WIMS-E	1.431E+1	3.092E+2	1.609E+3	2.313E+2	1.246E+3
mean value	1.415E+1	3.182E+2	1.664E+3	2.359E+2	1.286E+3
standard deviation	1.966E-1 (1.39%)	1.254E+1 (3.94%)	4.809E+1 (2.89%)	4.095E+0 (1.74%)	3.613E+1 (2.81%)

effective cross sections in Case 2

E upper	3.3	2.1	1.123	0.625 /	RI
VIM/J2	1.400E+1	3.897E+2	1.958E+3	2.312E+2	1.501E+3
VIM/B4	1.411E+1	3.951E+2	1.978E+3	2.331E+2	1.517E+3
WIMS-ATR	1.440E+1	4.368E+2	2.033E+3	2.310E+2	1.574E+3
RESABK	1.419E+1	4.200E+2	2.102E+3	2.401E+2	1.608E+3
WIMS-E	1.430E+1	3.924E+2	1.920E+3	2.291E+2	1.479E+3
mean value	1.420E+1	4.068E+2	1.998E+3	2.329E+2	1.536E+3
standard deviation	1.401E-1 (0.99%)	1.850E+1 (4.55%)	6.344E+1 (3.17%)	3.816E+0 (1.64%)	4.794E+1 (3.12%)

Table 7.10 Comparison of Pu-242 capture cross sections (structure 2)

infinite dilution cross sections

E upper	3.3	2.1	1.123	0.625 /	RI
VIM/J2	2.308E+3	1.593E+1	6.759E+0	6.150E+0	1.060E+3
VIM/B4	2.362E+3	1.563E+1	6.703E+0	6.135E+0	1.084E+3
WIMS-ATR	2.311E+3	1.609E+1	6.791E+0	6.189E+0	1.061E+3
RESABK	2.316E+3	1.702E+1	7.007E+0	6.359E+0	1.064E+3
WIMS-E	2.307E+3	1.601E+1	6.769E+0	6.160E+0	1.059E+3
mean value	2.321E+3	1.614E+1	6.806E+0	6.199E+0	1.066E+3
standard deviation	2.084E+1 (0.90%)	4.686E-1 (2.90%)	1.047E-1 (1.54%)	8.212E-2 (1.32%)	9.272E+0 (0.87%)

effective cross sections in Case 1

E upper	3.3	2.1	1.123	0.625 /	RI
VIM/J2	6.093E+2	1.816E+1	6.465E+0	6.140E+0	2.933E+2
VIM/B4	6.273E+2	1.780E+1	6.417E+0	6.122E+0	3.012E+2
*WIMS-ATR	7.076E+2	1.821E+1	6.485E+0	6.180E+0	3.378E+2
RESABK	6.394E+2	1.951E+1	6.701E+0	6.354E+0	3.080E+2
WIMS-E	6.125E+2	1.793E+1	6.473E+0	6.153E+0	2.946E+2
mean value	6.392E+2	1.832E+1	6.508E+0	6.190E+0	3.070E+2
standard deviation	3.585E+1 (5.61%)	6.126E-1 (3.34%)	9.913E-2 (1.52%)	8.425E-2 (1.36%)	1.627E+1 (5.30%)

effective cross sections in Case 2

E upper	3.3	2.1	1.123	0.625 /	RI
VIM/J2	8.279E+2	1.749E+1	6.497E+0	6.143E+0	3.917E+2
VIM/B4	8.408E+2	1.712E+1	6.446E+0	6.126E+0	3.973E+2
*WIMS-ATR	9.842E+2	1.759E+1	6.507E+0	6.183E+0	4.624E+2
RESABK	8.760E+2	1.871E+1	6.730E+0	6.356E+0	4.144E+2
WIMS-E	8.442E+2	1.736E+1	6.497E+0	6.155E+0	3.990E+2
mean value	8.746E+2	1.765E+1	6.535E+0	6.193E+0	4.130E+2
standard deviation	5.703E+1 (6.52%)	5.510E-1 (3.12%)	9.962E-2 (1.52%)	8.379E-2 (1.35%)	2.586E+1 (6.26%)

* Effective cross sections calculated by WIMS-ATR were revised

8. CONCLUSIONS OF THE SPECIALISTS' MEETING

Specialists' meeting on the NEACRP burnup benchmark calculations for HCLWR lattices was held at the NEA Data Bank, France from 19 to 21 April, 1988. The meeting was restricted to the participants in the benchmark and to the experts in the HCLWR field. Nineteen members attended from France, West Germany, Japan, Sweden, Switzerland and USA. Members of the meeting are listed in APPENDIX V. After two days of presentations and discussions, the meeting was divided into two subgroups, which discussed, respectively, general conclusions and thchnical problems. The conclusions and recommendations resulted from the two subgroups are summarized as follows :

CONCLUSIONS AND RECOMMENDATIONS
Subgroup 1

Subgroup 1 Members:

J. Stepanek (Chairman), W. Bernnat, M.C. Edlund, J.M. Gomit, Y. Ishiguro, E. Johansson, H. Maruyama, H. Moldaschl, A. Santamarina

It was noted that many participating organisations developed and improved their own calculational schemes in order to be able to participate in the NEACRP benchmark comparison. In fact, most of the original calculational systems were designed for LWR's or FBR's and included many simplifications which are not adequate for intermediate spectrum and void situations of HCLWR's.

In spite of these extensive developments, there are still unacceptable differences, especially in the calculation of void coefficients and conversion ratios. Also the burn-up reactivity changes disagree considerably. The reasons for the deviations are related primarily to problems in:

- **resonance shielding over the whole energy region**
  - in the fuel isotopes
  - cladding isotopes
  - major fission product isotopes
  - oxygen (for the correct calculation of leakage effects)
- **spectral calculation**
  - the calculation of fission spectra according to the actual fuel composition
  - correction of the outscatter and self-scatter terms of the scattering matrices by considering the differences between the original weighting spectrum and realistic cell spectrum required for the proper calculation of the void coefficient

- **insufficient quality of the evaluated nuclear data used by some participants**
  - in particular for U-238 and Pu-239 both in the resolved and unresolved resonance energy regions
  - fission products
  - higher actinides

Presently the range of deviations for the k_∞ is about 4 percent for conversion ratios up to about 8 percent, and for void reactivity from -0.035 to +0.03. There is therefore a strong need to obtain reference solutions for the two benchmark problems. This would enable the participants to better analyse the quality of their calculations and to take proper decisions for future developments.

It is therefore proposed to perform continuous Energy Monte Carlo calculations with the code VIM together with ENDF/B-IV and V and JENDL-2 libraries, as well as with TRIPOLI-2 together with the JEF-1 library and with MCNP using both ENDF/B-V and JEF-1 libraries in order to obtain reference solutions against which the design codes can be compared.

The following problems are proposed:

1. The **PROTEUS HCLWR** Phase 1 double cell experiments (wet as well as dry) (see the specifications on Table 1, Fig. 1).

2. The two benchmark problems at zero and 50 GWd/t for all four void cases. In the case of the 50 GWd/t burnup a fixed isotopical composition specified in Table 2 should be considered.

It It is proposed that the Monte Carlo calculations be performed at the CEA-CEN, JAERI, PSI and VPI. Results should be reported for $k\infty$ and reaction rates for one group as well as in the original three group energy structure. Neutron balances for the PROTEUS lattices should be considered in the fundamental mode ($k\infty = 1$) spectrum.

In contrast to LWR's, a crucial problem is also the calculation of the correct leakage (migration area). In case of HCLWR more than 40 percent of the leakage can occur in the energy region above 1 MeV. Therefore, it would be important to calculate also the migration area for a fixed value of $B^2 = 0.00060$ (cm^{-2}) for both of the above-defined cases.

Participants felt, that even if the continuous energy Monte Carlo codes offer in connection with todays supercomputers excellent mathematical experiments, there is a need to test the nuclear data especially in the resonance range. This range is usually less sensitive in LWR's or FBR's; the testing should be carried out by calculating experiments representative of a HCLWR. In the open literature only the PROTEUS HCLWR-Phase I experiment carried out at PSI (previously EIR) is available . Therefore this experiment was selected for testing the Monte Carlo codes even if its double-cell specification may introduce some additional complications non-representative for the NEA-CRP HCLWR single cell benchmark specifications. On the other side the overall cell specification is very similar to the NEACRP benchmark No. 1.

The group feels that it is necessary to extend the duration of these exercises by one year with the aim of performing the needed Monte Carlo calculations and so that participants will have the opportunity to check their most recent code developments. The proposed deadline for the Monte Carlo calculation is end-1988. The results should be distributed before the end of January 1989. It is proposed that the NEACRP secretariat organise the next meeting in June 1989. The Group will then be in a better position to qualify the quality of the codes for HCLWR design.

Table 1 Nuclide Densities ($x10^{30}$ m^{-3} for Test Lattice Materials in PROTEUS-LWHCR Cores 1-6

Material 1 (Fuel 1, 15% PuO_2/UO_2 + Steel)							
^{235}U	7.781－5[a]	^{238}U	1.839－2	^{239}Pu	2.580－3	^{240}Pu	5.699－4
^{241}Pu	5.675－5	^{242}Pu	1.256－5	^{241}Am	3.833－5	Oxygen	4.346－2
Hydrogen	2.005－4	Aluminum	3.683－4	Iron	2.600－3	Chromium	6.843－4
Nickel	3.301－4	Manganese	5.376－5	Silicon	3.286－5	Molybdenum	8.123－6
Material 2 (Fuel 2, Depleted UO_2)							
^{235}U	9.851－5	^{238}U	2.328－2	Oxygen	4.677－2	Aluminum	3.827－4
Material 3 (Clad, Steel + Air + Aluminum)							
Aluminum	6.080－3	Iron	3.125－2	Chromium	8.536－3	Nickel	5.118－3
Manganese	1.001－3	Molybdenum	7.354－4	Silicon	8.124－4	Nitrogen	1.323－5
Material 4 (Moderator)							
Core 1 (H_2O at 32°C):		Hydrogen	6.652－2	Oxygen	3.326－2		
Core 2 (Air/aluminum smear, 37°C):		Nitrogen	3.8－5	Oxygen	1.0－5	Aluminum	8.1－4
Core 3 (Dowtherm, 35°C):		Hydrogen	3.824－2	Carbon	4.578－2	Oxygen	2.832－3

[a]Read as 7.781×10^{-5}.

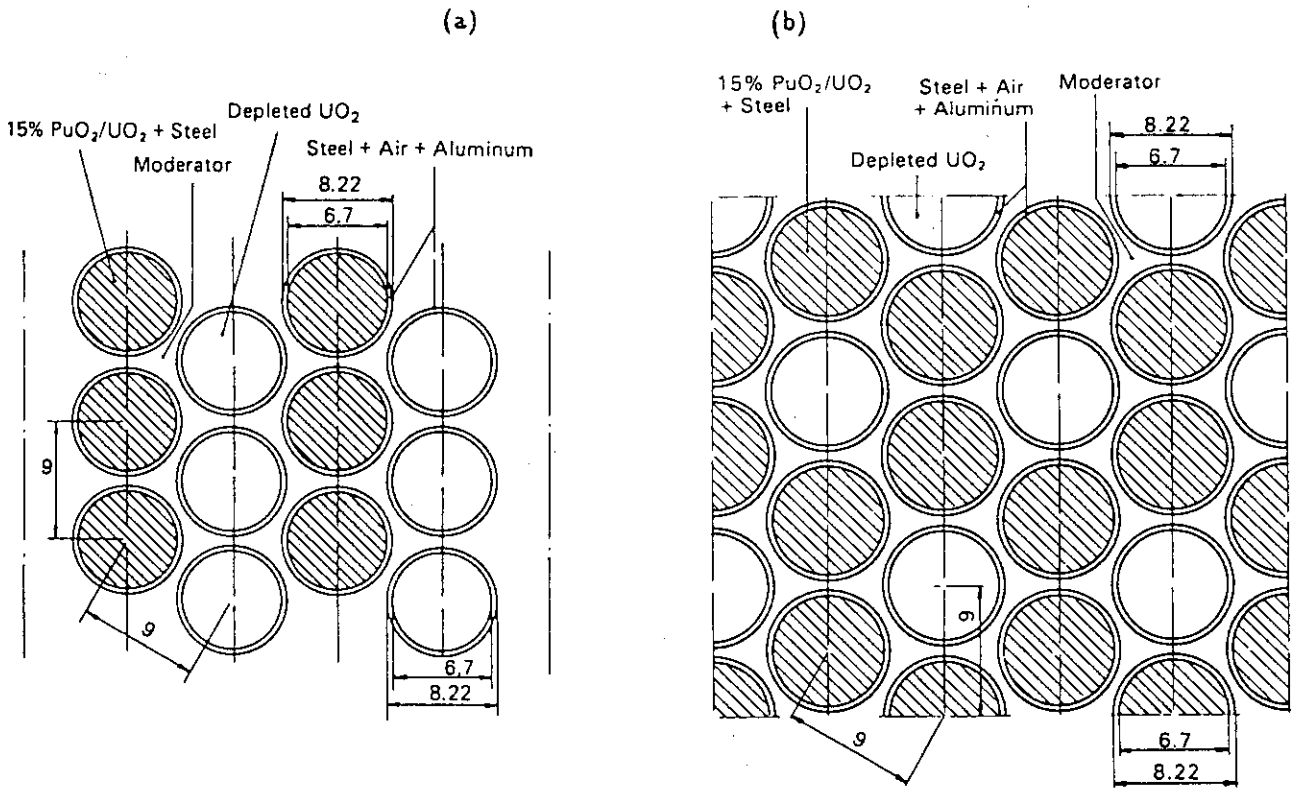


Fig.1 Test lattices for (a) PROTEUS/LWHCR Cores 1 (H_20), 2 (Air), 3 (Dowtherm) and (b) Cores 4 (Dowtherm), 5 (Air) and 6 (H_20). See Nucl. Technol., Vol. 67, pp. 360-380 (1984) and Vol. 73, pp. 296-305 (1986).

Table 2 Isotopical composition for cells with $V_m/V_f = 0.6$ and 1.1 at 50 GWd/t burnup.

V_m/V_f		0.6	1.1
Zone	Isotope	Density	Density
1 Fuel	U 235	$3.086.10^{-5}$	$3.239.10^{-5}$
	U 238	$1.917.10^{-2}$	$1.968.10^{-2}$
	Pu239	$1.376.10^{-3}$	$1.007.10^{-3}$
	Pu240	$6.874.10^{-4}$	$5.389.10^{-4}$
	Pu241	$2.803.10^{-4}$	$2.976.10^{-4}$
	Pu242	$1.896.10^{-4}$	$1.726.10^{-4}$
	Am241	$3.375.10^{-5}$	$3.063.10^{-5}$
	Am243	$4.908.10^{-5}$	$4.900.10^{-5}$
	O Nat	$4.610.10^{-2}$	$4.608.10^{-2}$
	Te 99	$5.802.10^{-5}$	$5.778.10^{-5}$
	Rh103	$6.165.10^{-5}$	$5.772.10^{-5}$
	Xe131	$2.665.10^{-5}$	$2.591.10^{-5}$
	Cs133	$6.474.10^{-5}$	$6.470.10^{-5}$
	Sm149	$3.010.10^{-6}$	$1.090.10^{-6}$
2 Clad	Cr Nat	$1.570.10^{-2}$	0
	Mn 55	$1.486.10^{-3}$	0
	Fe Nat	$4.831.10^{-2}$	0
	Ni Nat	$7.648.10^{-3}$	0
	Zr Nat	0	$3.702.10^{-2}$
3 Moderator	H 1	$4.744.10^{-2}$	$4.744.10^{-2}$
	O Nat	$2.372.10^{-2}$	$2.372.10^{-2}$

CONCLUSIONS AND RECOMMENDATIONS
Subgroup 2

Subgroup 2 Members:

C.H.M. Broeders (Chairman), H. Akie, J.K. Axmann, H.D. Berger, G. Bruna, D. Lutz, M. Mattes, H. Mizuta

Topics Discussed:

1. Intercomparison of additionally-provided supplementary problems to the NEACRP-HCLWR burn-up benchmark.
2. Identification of problems related to the topics in the proposed agenda NEACRP-A-875.

1. Discussion on supplementary problems

Two sets of additional supplementary problems have been distributed to the participants. Calculation of

a) Infinite and effective group cross sections of U 238 capture and of Pu239 fission in the energy range 4 eV up to 150 eV.

b) Infinite and effective group cross sections of Pu240 capture and of Pu242 Capture in the energy range 0.4 eV up to 3 eV.

For both cases, two alternative energy group structures were proposed:

- the first is based on the GAM-System (Structure 1);
- the second is based on the WIMS-System (Structure 2).

For each case mentioned above, two specifications for homogeneous mixtures of fuel isotopes and hydrogen have been specified, based on the lattice parameters of both benchmark cases.

At the present stage, a limited number of solutions have been preliminarily evaluated by H. Akie and H. Mizuta.

Intercomparisons are more difficult for the following reasons:

- use of two energy group schemes
- small number of solutions
- collapsing of several standard groups to one broad group in the low energy case b). Application of standard libraries can give problems during collapsing.

The main objective of these exercises was to compare the effective group cross sections required for subsequent reactor calculations, in order to identify variations between the different solutions for the benchmark cases.

Because the different participants use different basic nuclear data for their calculations, the comparison of infinite diluted and effective cross-sections, and of the corresponding shielding factors is considered to be helpful in most cases to explain discrepancies.

It would be useful to have more detailed information about the nuclear data base applied, i.e.:

- Resonance parameters of the main resonances,
- Applied models for the resonance description (multi-level) and of the smooth background cross sections.

Especially the resonance parameters of the lowest resonances of Pu240 may influence results significantly (Mizuta).

More calculational support of participants is strongly encouraged.

The comparison of results can be more conclusive concerning the calculational tools if all participants apply the same differential nuclear database. For that reason, further calculation, based on the most recent, generally-available JEF library is recommended.

A first comparison of the available results (see tables) shows good agreement for a large number of results. Single deviations could be identified with certain phenomena. Examples:

- KFK deviations for infinite dilute cross sections between GRUCAL and RESABK are related to the weighting procedures for coarse group constants.
- The results for Pu240 from Japan can be related to basic nuclear data.
- The results from CASMO for Pu239 fission show a systematic "high/low" structure for increasing group number. Possible reasons for this are being invesigated.
- The U 238 results of GRUCAL will be checked; inconsistencies between Case 1 and Case 2 seem to exist.
- Information about WIMS-ATR shielding of Pu242 will be provided.
- For one group, the GELS value of Pu242 capture seems to be too low.

2. Problems related to the topics in the proposed agenda (NEACRP-A-875)

A short round-table discussed the following topics:

a) **Resonance Theory - Applied Methods**

- Table look up methods (Bondarenko-system);
- Subgroup theory as used in fast reactor systems (ECCO);
- Fine energy mesh exact flux calculations (e.g. CGM, IKE Stuttgart, SRAC, JAERI);
- Combination of equivalence theorems and fine energy mesh calculations (Framatome, NAIG).

In general, fine energy mesh calculations are considered to be adequate and necessary for checking purposes. Caution is recommended for burn-up applications, taking into account that a number of fission products during spectrum calculations may be necessary.

"Subgroup theory" has not yet been applied to HCLWR work but its development and application in fast reactors should be kept under scrutiny.

b) **Major Actinides** The importance of these isotopes was emphasized but no detailed discussion for this benchmark was undertaken.

c) **Temperature dependence** in the thermal energy region is necessary for all actinides isotopes with thermal resonances.

d) **Resonance shielding** of minor actinides and fission products. Work from Japan has shown the necessity of the shielding of selected fission products. (e.g. Cs133, Xe131, Tc 99, Pm147, Ag109, Sm152, Mo 95).

e) **Shielding of structural materials.** It is necessary, especially in voided configurations. Both temperature and background dependence should be treated.

Conclusions/Recommendations

- Some more aspects should be considered in future benchark evaluation:
- Energy release per fission values of all fissionable isotopes should be fixed, to get a well-defined burn-up scale.
- Fission product yields should be discussed in more detail.
- The use of fission matrix spectra is recommended.
- Definition of additional benchmark, if possible related to an experiment, is recommended. In this case a "best estimate" solution by the Monte Carlo method is preferred.
- For design calculations of HCLWR, more advanced tools for assembly calculations are necessary in most laboratories.
- Problems with the application of pseudo fission product pairs are recognized, especially for voiding calculations.

ACKNOWLEDGEMENTS

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APPENDIX I BENCHMARK SPECIFICATION

I.1 Burnup characteristics

Burnup calculations should be made for the infinite cell (geometrical buckling Bg^2 equals to zero) with Vm/Vf value of 0.6 described in Fig.I－1, Tables I－1 and I－2. Results for the cell of volume ratio of 1.1 are also received. No control is needed to keep multiplication factor k=1.0. The following integral data are required:

<< k_∞ and conversion ratio >>

The multiplication factor k_∞ and the conversion ratio at the burnup stages of 0, 10, 20, 30, 40 and 50 GWd/t.

The conversion ratio is defined as follows:

$$C.R=\Sigma_c^{fer}(t)/\Sigma_a^{fis}(t) \ ,$$

where $\Sigma_c^{fer}(t)$ and $\Sigma_a^{fis}(t)$ stand for the one group macroscopic cross sections for capture of U－238 and Pu－240, and for absorption of U－235, Pu－239 and Pu－241, respectively at any burnup time t.

<< Cross sections >>

One－group and three－group effective microscopic cross sections (absorption, fission and production) of fuel materials at 0, 30 and 50 GWd/t, and of structural materials at zero burnup are required for the nuclides shown in Table I－3. The three group structure is shown in Table I－4.

<< Reaction rates >>

One－group and three－group fractional reaction rates for fuel and fission product nuclides at the burnup of 0, 30 and 50 GWd/t.

In this calculation, the total absorption rate in a cell is normalized to unity. The absorption, fission and production rates are required for the fuel nuclides(Table I－3), and the absorption rates for the 23 fission products (Table I－3) and the total F.P. which is the summation of all fission products considered.

<< Number densities >>

Number densities of fuel isotopes at the burnup of 30 and 50 GWd/t.

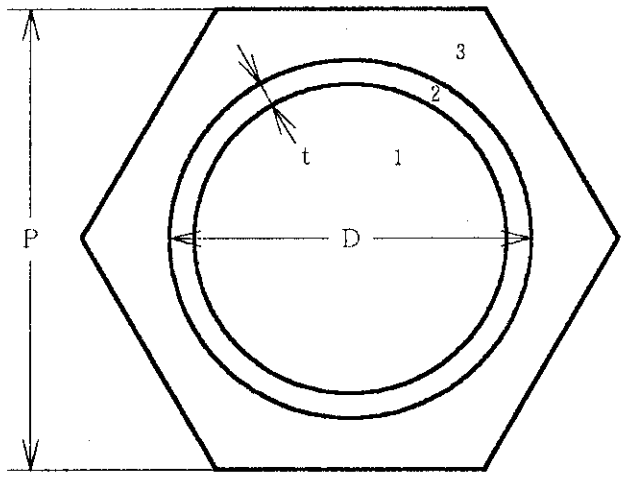
I.2 Void reactivity

Further calculations should be performed for each cell in moderator voidage state at several burnup stages of the burnup calculatins. Following results are needed :

<< k_∞ and reaction rates >>

k_∞ and reaction rates when void fractions of moderator are changed from 0% to 45%, 90% and 99% at the burnup of 0, 30 and 50 GWd/t.

In these calculations, density of moderator should be reduced to 55%, 10% and 1% according to the void fraction. The one- and three-group fractional reaction rates should be calculated for the fuel isotopes and the total F.P.



1. $PuO_2 + UO_2$
2. Stainless steel or Zr
3. H_2O

Fig.I-1 Unit cell model

Table I-1 Specification of fuel cell model

Moderator/fuel volume ratio (Vm/Vf)	0.6	1.1
Cell pitch P (cm)	1.0883	1.2204
Fuel (PuO_2+DUO_2)		
Pu fis. (%)	8.0	7.0
Temperature (K)	900	900
Cladding	Stainless steel	Zr
Outer diameter D (cm)	0.95	0.95
Thickness t (cm)	0.065	0.065
Temperature (K)	600	600
Moderator (H_2O)		
Temperature (K)	600	600
Linear power (W/cm)	160	160

Table I-2 Atomic number densities ($\times 10^{24}/cm^3$)

Fuel	8% Pu fis.	7% Pu fis.
U-235	6.094×10^{-5}	6.194×10^{-5}
U-238	2.025×10^{-2}	2.058×10^{-2}
Pu-239	1.563×10^{-3}	1.367×10^{-3}
Pu-240	6.872×10^{-4}	6.009×10^{-4}
Pu-241	2.765×10^{-4}	2.418×10^{-4}
Pu-242	2.108×10^{-4}	1.844×10^{-4}
O	4.610×10^{-2}	4.608×10^{-2}
Cladding	**Stainless steel**	**Zr**
Zr (natural)	-	3.702×10^{-2}
Fe (natural)	4.831×10^{-2}	-
Cr (natural)	1.570×10^{-2}	-
Ni (natural)	7.648×10^{-3}	-
Mn-55	1.486×10^{-3}	-
Moderator		
H	4.744×10^{-2}	
O	2.372×10^{-2}	

Table I-3 Nuclides to calculate one- and three-group cross sections and/or reaction rates

Fuel	U-235, U-238, Pu-239, Pu-240, Pu-241, Pu-242, Am-241, Am-243, Cm-244	
Fission Product	Mo-95, Tc-99, Ru-101, Rh-103, Pd-105, Pd-107, Pd-108, Ag-109, Xe-131, Xe-135, Cs-133, Cs-135, Nd-143, Nd-148, Pm-147, Sm-147, Sm-149, Sm-150, Sm-151, Sm-152, Eu-153, Eu-154, Eu-155	
Structure	Zr	(Zr cladding)
	Fe, Cr, Ni, Mn-55	(Stainless steel cladding)

Table I-4 Three-group energy structure

	energy range	
fast	10 MeV	- 9.118 keV
resonance	9.118 keV	- 4 eV
thermal	4 eV	- 0.0 eV

APPENDIX II SUMMARY OF THE PRELIMINARY RESULTS

Sixteen solutions have been submitted from thirteen organizations for the benchmark of tight lattice cell burnup calculations. By intercomparing these solutions, the conclusions obtained can be summarized as follows:

- A relatively large discrepancy is found in k_∞. The discrepancies are 3~5% with burnup in the 0% voided case, while the largest discrepancy is 8% in the voided cell.
- The discrepancy of conversion ratio is larger than that for k_∞, and the largest discrepancy is 10%.
- The k_∞ discrepancy is mainly caused by the difference between Pu-239 production rates.
- The conversion ratio is influenced by the discrepancy between the reaction rates of both fertile(U-238 and Pu-240) and fissile(especially Pu-239).
- Discrepancies are also found in the reaction rates of Pu-241 and Pu-242. For Pu-241, treatment of resonance energy region seems to be important. The self-shielding effect of 2.67eV resonance of Pu-242 is considered to be the cause of the difference of the absorption rate. A calculation by the SRAC system shows that this shielding effect results in more than 1%$\Delta k/k$.
- The major variation in burnup reactivity loss is strongly influenced by the difference in Pu-241 reaction rates, though those for Pu-239 and fission products in all are also of some importance.
- Neutron absorption by Pu-242 plays an important role in the void reactivity change. The shielding effect of Pu-242 leads to the void reactivity of at least 1%$\Delta k/k$. Production rate of Pu-239 affects greatly on the behavior of void reactivity especially in the higher voidage state. The difference in void reactivity is caused, in some cases, by that of U-238, Pu-240 and Pu-241 reaction rates. At higher burnup stage the absorption rate of all fission products is also important for the void reactivity discrepancy.

APPENDIX III DATA AND METHODS

The group cross section libraries and calculational methods used in the present benchmarks are summarized for each organization based on the descriptions given by the participants.

ANSTO

code system	: AUS system[1]
nuclear data library	: AUS.ENDF 200G based on ENDF/B-IV and B-V
resonance treatment	: resonance sub-group treatment by the module MIRANDA[2]
spectrum calculation	: one dimensional Sn transport with 31 energy groups[3]
burnup calculation and chain model	: analytic solution of depletion equation by the CHAR module[4]

CEA

code system	: APOLLO I
nuclear data library	: CEA 99 group cross section library based mainly on JEF-1
resonance treatment	: table-look-up
spectrum calculation	: collision probability
burnup calculation and chain model	: 45 actinides and 36 fission products including one pseudo nuclide

GKSS

code system	: GELS-158[5),6)]
nuclear data library	: based on ENDF/B-IV
resonance treatment	: ultra fine energy group calculation[7)]
spectrum calculation	: one dimensional collision probability method with 158 energy groups
burnup calculation and chain model	: 25 explicit and 4 pseudo F.P with 15 heavy nuclides

HITACHI(J2/B4)

code system	: VMONT-3

nuclear data library
(1) : based on JENDL-2
(2) : ENDF-B/IV for U and Pu isotopes
resonance treatment : table-look-up
spectrum calculation : Monte Carlo calculation with 190 energy groups[8]
burnup calculation
and chain model : 32 heavy nuclides, 82 fission products and 1 pseudo F.P

IKE
code system : RSYST[9]
nuclear data library : JEF-1
resonance treatment : collision probability method for 8000 energy groups
spectrum calculation : collision probability with 128 energy groups
burnup calculation
and chain model : 79 fission products and 16 actinides

JAERI(SRAC)
code system : SRAC[10]
nuclear data library : SRACLIB-JENDL2 based on JENDL-2
resonance treatment : ultra fine energy group spectrum calculation or table-look-up
spectrum calculation : collision probability method with 90 energy groups on hexagonal cell
burnup calculation
and chain model : explicit solution of depletion equation
65 explicit and 1 pseudo fission products
with 13 heavy nuclides

JAERI(VIM)
The VIM code is the same one that used in the present benchmark calculations by the VA.TECH, while the VIM library is generated on the basis of JENDL-2[11].

KfK(1985lib/newest)
code system : KARBUS[12]
nuclear data library

(1) : G69HOT based on KEDAC4

(2) : G69HT005 improved from G69HOT with material dependent fission spectra, self-shielding factor for the 2.67eV resonance of Pu-242 and JEF-1 data for fission products

resonance treatment

(1) : table-look-up based on equivalence theorem

(2) : spectrum calculation with very fine energy mesh

spectrum calculation : one dimensional collision probability calculation with 69 energy groups

burnup calculation and chain model :

MAPI-CRC

code system : WIMS-E[13]

nuclear data library : JENDL-2 based library

resonance treatment : IR approximation, table-look-up method based on equivalence theorem

spectrum calculation : one dimensional collision probability calculation with 69 energy groups

burnup calculation and chain model : 33 fission products and 1 pseudo F.P with 22 heavy nuclides

NAIG

code system : HELIOS.HX

nuclear data library : based on ENDF/B-V, JENDL-2 and ENDF/B-IV

resonance treatment : improved IR approximation[14] or RICM method with very fine energy mesh[15]

spectrum calculation : collision probability calculation with 98 energy groups on hexagonal cell

burnup calculation and chain model : 45 explicit and 1 pseudo fission products and 25 heavy nuclides

PNC

The WIMS-ATR code is a modified version of WIMS-D code[16]. The

same calculation method were used as WIMS-D, but several new data were added and some improvements have been made to analyze the data obtained from the advanced thermal reactor "FUGEN". The data library is mainly based on the WIMS library, but the data for Pu isotopes are based on JENDL-2.

PSI(BOXER)

code system : BOXER[17]
nuclear data library : mainly based on ENDF/B-IV
resonance treatment : spectrum calculation with ultra fine energy mesh[18]
spectrum calculation : integral transport method in cylindrical geometry with 70 energy groups[19]
burnup calculation and chain model : predictor corrector method
3 explicit and 3 pseudo fission products with 13 heavy nuclides

PSI(DANDE)

code system : DANDE[20]
nuclear data library : 70-group library based on JEF-1
resonance treatment : table-look-up (IR approximation)
spectrum calculation : one dimensional Sn transport
burnup calculation and chain model : 40 fission products and 19 actinides

STUDSVIK

code system : CASMO[21]
nuclear data library : based on ENDF/B-IV and ENDF/B-III
resonance treatment : table-look-up with equivalence theorem
spectrum calculation : collision probability calculation with 70 energy groups on cylindrical pin cell
burnup calculation and chain model : predictor corrector method

TUBS(DATUBS4/DATUBS5)

code system : SPEKTRA-F
nuclear data library
(1) : DATUBS4 based on ENDF-B/IV and V

(2) : DATUBS5 based on JEF-1
resonance treatment : table-look-up
spectrum calculation : collision probability method with 35 energy groups on hexagonal cell
burnup calculation and chain model : heavy nuclides up to Cm-244 and 135 fission products

VA.TECH
code system : VIM[22),23)]
nuclear data library : based on ENDF/B-IV
resonance treatment : continuous energy treatment with pointwise cross section data and probability table method[24)]
spectrum calculation : continuous energy Monte Carlo calculation on hexagonal cell
burnup calculation and chain model : not available

WINFRITH
code system : WIMSD4[16)]
nuclear data library : '1986'WIMS library[25)]
resonance treatment : IR approximation, table-look-up method based on equivalence theorem
spectrum calculation : one dimensional collision probability calculation with 69 groups
burnup calculation and chain model : 34 fission products including 1 pseudo F.P

APPENDIX IV DATA AND METHODS IN SRAC SYSTEM

The fundamental cross section library of the SRAC system consists of the fast group library of 62 groups(10 MeV ≧ E ≧ 1.855 eV with $\Delta u = 0.5$), epithermal one of 12 groups (1.855 eV ≧ E ≧ 0.42399 eV with $\Delta u = 0.125$), and thermal one of 33 groups(E ≦ 0.41399 eV with the equal velocity width of 270m/sec.). The resonance shielding factors are prepared for all heavy resonance nuclei in the resonance energy region, which is divided into two energy ranges, i.e., the first resonance range above 275.36 eV and the second one from 275.36 to 0.41399 eV.

The shielding factors are calculated by solving the following slowing down equation assuming the narrow resonance approximation to moderator slowing-down:

$$\{\sigma_t(u,T) + \sigma_0\}\phi(u;T,\sigma_0) = K(\sigma_s\phi) + \sigma_0$$

where K is the slowing down operator of the resonance nuclide under consideration, and T and σ_0 are, respectively, temperature and background cross section, and other notation is conventional. Here, it should be noted that the neutron slowing down of the resonance nuclide is exactly taken into account. The resulting shielding factors are tabulated into the Bondarenko type cross section set using the two parameters T and σ_0.

In the first resonance range, the effective cross sections are obtained by the table-look-up method, where the heterogeneity is treated by well known equivalence theorems between heterogeneous and homogeneous mixtures. The cross sections in the second range are calculated by either of the table-look-up method (the combined use of the intermediate resonance(IR) approximation and the table-look-up method) or the direct numerical method using ultrafine groups($\Delta u = 0.00125$). Here, in the last method, the neutron slowing-down equations are solved to calculate the ultrafine spectrum using the collision probability method as follows:

$$V_i\Sigma_i(u)\phi_i(u) = \sum_j P_{ij}(u)V_jS_j(u)$$

where $S_j(u)$ is the slowing down source, and other notation is conventional. The effective cross sections and averaged neutron fluxes are given for each spatial region following the group structure specified by the user. This calculation is made in the PEACO routine incorporated in the SRAC system.

The neutron slowing-down equations of multigroup scheme are solved using the effective cross sections to obtain the spatial fine structure and the homogenized cross sections. The fine structure thus obtained is renormalized by use of homogeneous P_1 or B_1 spectrum to take account of neutron leakage. Through this procedure, a correction is made to the discontinuity of neutron spectrum due to the different calculation methods among the first and second resonance ranges and the thermal energy region.

The SRAC system is equipped with two sets of multigroup libraries, respectively, mainly based on JENDL-2 and ENDF/B-IV. The usage of the libraries leaves to the choice of the SRAC user.

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APPENDIX VI RESULTS OF THE BENCHMARK CALCULATION

K-INF AND CONVERSION RATIO (VOID=0%)

VM/VF=0.6

	K-INF						CONVERSION RATIO					
BURNUP(GWD/T)	0	10	20	30	40	50	0	10	20	30	40	50
ANSTO	1.091	1.048	1.017	0.991	0.970	0.952	0.872	0.890	0.903	0.915	0.925	0.935
CEA	1.091	1.047	1.015	0.987	0.964	0.944	0.851	0.869	0.885	0.900	0.914	0.926
GKSS	1.098	1.057	1.029	1.005	0.984	0.965	0.822	0.835	0.845	0.855	0.863	0.871
HITACHI(B4)	1.100	1.057	1.026	1.000	0.978	0.959	0.833	0.855	0.870	0.882	0.896	0.908
HITACHI(J2)	1.105	1.057	1.026	0.999	0.977	0.958	0.812	0.837	0.853	0.870	0.882	0.891
IKE	1.091	1.049	1.020	0.996	0.975	0.956	0.855	0.874	0.887	0.899	0.909	0.918
JAERI(SRAC)	1.093	1.047	1.016	0.990	0.967	0.946	0.839	0.862	0.877	0.891	0.904	0.916
JAERI(VIM)	1.096	0.0	0.0	0.0	0.0	0.0	0.834	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.089	1.047	1.018	0.993	0.972	0.953	0.867	0.887	0.901	0.914	0.925	0.935
KFK(1985LIB.)	1.070	1.028	0.998	0.974	0.954	0.937	0.869	0.890	0.904	0.917	0.929	0.939
MAPI-CRC	1.096	1.052	1.023	0.999	0.980	0.963	0.847	0.866	0.879	0.892	0.902	0.912
NAIG	1.105	1.063	1.032	1.006	0.983	0.963	0.850	0.869	0.880	0.892	0.902	0.912
PNC	1.107	1.060	1.028	1.001	0.978	0.958	0.823	0.842	0.856	0.868	0.879	0.888
PSI(BOXER)	1.093	1.050	1.020	0.993	0.971	0.951	0.838	0.858	0.872	0.885	0.897	0.906
PSI(DANDE)	1.091	1.045	1.011	0.984	0.961	0.940	0.855	0.874	0.888	0.901	0.913	0.923
STUDSVIK	1.103	1.059	1.025	0.997	0.973	0.952	0.800	0.820	0.839	0.856	0.871	0.885
TUBS(DATUBS4)	1.106	1.064	1.032	1.006	0.983	0.962	0.837	0.859	0.876	0.891	0.905	0.917
TUBS(DATUBS5)	1.079	1.039	1.010	0.986	0.964	0.946	0.868	0.888	0.903	0.916	0.928	0.938
VA.TECH	1.089	0.0	0.0	0.0	0.0	0.0	0.864	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

VM/VF=1.1

	K-INF						CONVERSION RATIO					
BURNUP(GWD/T)	0	10	20	30	40	50	0	10	20	30	40	50
ANSTO	1.114	1.059	1.026	0.999	0.974	0.953	0.783	0.809	0.825	0.840	0.854	0.868
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.127	1.073	1.040	1.013	0.987	0.966	0.748	0.772	0.791	0.808	0.825	0.835
HITACHI(J2)	1.134	1.075	1.042	1.013	0.986	0.964	0.727	0.759	0.775	0.791	0.812	0.826
IKE	1.125	1.071	1.038	1.010	0.985	0.962	0.761	0.788	0.803	0.818	0.832	0.845
JAERI(SRAC)	1.127	1.069	1.035	1.006	0.979	0.955	0.745	0.773	0.790	0.807	0.823	0.838
JAERI(VIM)	1.129	0.0	0.0	0.0	0.0	0.0	0.747	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.123	1.068	1.034	1.005	0.979	0.955	0.757	0.785	0.801	0.818	0.834	0.849
KFK(1985LIB.)	1.099	1.043	1.009	0.980	0.955	0.933	0.762	0.789	0.807	0.823	0.840	0.855
MAPI-CRC	1.119	1.064	1.032	1.006	0.983	0.963	0.766	0.793	0.809	0.823	0.838	0.851
NAIG	1.122	1.069	1.037	1.008	0.982	0.958	0.764	0.786	0.799	0.813	0.826	0.839
PNC	1.130	1.073	1.039	1.010	0.984	0.959	0.743	0.767	0.782	0.796	0.810	0.823
PSI(BOXER)	1.116	1.064	1.031	1.003	0.978	0.955	0.752	0.777	0.793	0.808	0.822	0.835
PSI(DANDE)	1.120	1.063	1.028	0.998	0.971	0.947	0.768	0.793	0.809	0.824	0.839	0.853
STUDSVIK	1.120	1.071	1.036	1.006	0.979	0.955	0.727	0.748	0.766	0.784	0.802	0.818
TUBS(DATUBS4)	1.138	1.084	1.050	1.021	0.994	0.971	0.752	0.781	0.800	0.817	0.833	0.849
TUBS(DATUBS5)	1.114	1.062	1.030	1.002	0.976	0.954	0.775	0.803	0.821	0.837	0.852	0.866
VA.TECH	1.111	0.0	0.0	0.0	0.0	0.0	0.791	0.0	0.0	0.0	0.0	0.0
WINFRITH	1.117	1.066	1.031	1.002	0.977	0.955	0.721	0.747	0.768	0.788	0.807	0.825

K-INF (VM/VF=0.6)

	VOID(0%)			VOID(45%)			VOID(90%)			VOID(99%)		
BURNUP(GWD/T)	0	30	50	0	30	50	0	30	50	0	30	50
ANSTO	1.091	0.991	0.952	1.093	1.007	0.970	1.104	1.045	1.017	1.118	1.068	1.045
CEA	1.091	0.987	0.944	1.099	1.007	0.966	1.118	1.056	1.027	0.0	0.0	0.0
GKSS	1.098	1.005	0.965	1.104	1.021	0.982	1.114	1.057	1.025	1.117	1.069	1.042
HITACHI(B4)	1.100	1.000	0.959	1.104	1.015	0.975	1.120	1.053	1.017	1.121	1.062	1.033
HITACHI(J2)	1.105	0.999	0.958	1.109	1.016	0.974	1.130	1.055	1.021	1.131	1.066	1.037
IKE	1.091	0.996	0.956	1.093	1.010	0.973	1.106	1.050	1.021	0.0	0.0	0.0
JAERI(SRAC)	1.093	0.990	0.946	1.094	1.003	0.962	1.110	1.043	1.009	1.124	1.066	1.036
JAERI(VIM)	1.096	0.0	0.0	1.094	0.0	0.0	1.113	0.0	0.0	1.125	0.0	0.0
KFK(NEWEST)	1.089	0.993	0.953	1.087	1.006	0.969	1.106	1.050	1.023	1.127	1.080	1.057
KFK(1985LIB.)	1.070	0.974	0.937	1.074	0.994	0.960	1.100	1.048	1.025	1.122	1.081	1.062
MAPI-CRC	1.096	0.999	0.963	1.106	1.021	0.987	1.138	1.078	1.052	1.158	1.108	1.087
NAIG	1.105	1.006	0.963	1.113	1.026	0.985	1.124	1.065	1.036	1.128	1.082	1.058
PNC	1.107	1.001	0.958	1.120	1.024	0.983	1.137	1.068	1.036	1.138	1.082	1.055
PSI(BOXER)	1.093	0.993	0.951	1.104	1.016	0.975	1.134	1.073	1.044	1.158	1.109	1.086
PSI(DANDE)	1.091	0.984	0.940	1.100	1.005	0.963	1.125	1.057	1.024	1.138	1.081	1.053
STUDSVIK	1.103	0.997	0.952	1.116	1.019	0.976	1.134	1.064	1.031	1.144	1.085	1.056
TUBS(DATUBS4)	1.106	1.006	0.962	1.110	1.022	0.981	1.114	1.050	1.017	1.122	1.066	1.037
TUBS(DATUBS5)	1.079	0.986	0.946	1.084	1.003	0.965	1.101	1.043	1.014	1.114	1.066	1.041
VA.TECH	1.089	0.0	0.0	1.073	0.0	0.0	1.095	0.0	0.0	1.111	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

K-INF (VM/VF=1.1)

	VOID(0%)			VOID(45%)			VOID(90%)			VOID(99%)		
BURNUP(GWD/T)	0	30	50	0	30	50	0	30	50	0	30	50
ANSTO	1.114	0.999	0.953	1.074	0.969	0.921	1.064	0.980	0.936	1.059	0.987	0.947
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.127	1.013	0.966	1.090	0.980	0.931	1.074	0.985	0.938	1.055	0.979	0.934
HITACHI(J2)	1.134	1.013	0.964	1.093	0.977	0.922	1.080	0.985	0.933	1.063	0.978	0.931
IKE	1.125	1.010	0.962	1.083	0.976	0.925	1.074	0.990	0.942	0.0	0.0	0.0
JAERI(SRAC)	1.127	1.006	0.955	1.082	0.969	0.915	1.073	0.978	0.924	1.068	0.985	0.935
JAERI(VIM)	1.129	0.0	0.0	1.085	0.0	0.0	1.077	0.0	0.0	1.071	0.0	0.0
KFK(NEWEST)	1.123	1.005	0.955	1.075	0.968	0.916	1.058	0.973	0.925	1.065	0.989	0.945
KFK(1985LIB.)	1.099	0.980	0.933	1.057	0.949	0.901	1.053	0.972	0.928	1.060	0.991	0.952
MAPI-CRC	1.119	1.006	0.963	1.078	0.978	0.934	1.085	1.003	0.961	1.092	1.022	0.985
NAIG	1.122	1.008	0.958	1.086	0.980	0.927	1.083	0.996	0.946	1.064	0.993	0.950
PNC	1.130	1.010	0.959	1.096	0.983	0.929	1.099	1.002	0.950	1.074	0.993	0.947
PSI(BOXER)	1.116	1.003	0.955	1.084	0.977	0.925	1.093	1.006	0.958	1.096	1.023	0.982
PSI(DANDE)	1.120	0.998	0.947	1.087	0.971	0.918	1.096	1.000	0.948	1.082	1.003	0.957
STUDSVIK	1.120	1.006	0.955	1.094	0.983	0.929	1.103	1.008	0.956	1.095	1.013	0.966
TUBS(DATUBS4)	1.138	1.021	0.971	1.099	0.992	0.939	1.090	1.003	0.952	1.082	1.004	0.957
TUBS(DATUBS5)	1.114	1.002	0.954	1.075	0.971	0.921	1.075	0.992	0.944	1.076	1.003	0.961
VA.TECH	1.111	0.0	0.0	1.064	0.0	0.0	1.060	0.0	0.0	1.049	0.0	0.0
WINFRITH	1.117	1.002	0.955	1.099	0.988	0.937	1.123	1.025	0.973	1.090	1.006	0.959

NUMBER DENSITIES X10**-24 (BURNUP=30GWD/T VOID=0%)

VM/VF=0.6

	U235	U238	PU239	PU240	PU241	PU242	AM241	AM243	CM244
ANSTO	4.0010E-05	1.9560E-02	1.4520E-03	7.0740E-04	2.7940E-04	1.9120E-04	2.3830E-05	3.4410E-05	1.2250E-05
CEA	4.0981E-05	1.9606E-02	1.4256E-03	6.9535E-04	2.8764E-04	1.8994E-04	2.8437E-05	3.5133E-05	1.2496E-05
GKSS	3.9755E-05	1.9583E-02	1.4268E-03	6.9372E-04	2.8514E-04	1.9070E-04	2.2632E-05	3.8748E-05	1.1112E-05
HITACHI(B4)	4.0380E-05	1.9620E-02	1.4190E-03	7.0370E-04	2.8180E-04	1.9320E-04	2.5130E-05	3.4480E-05	1.1950E-05
HITACHI(J2)	3.9940E-05	1.9630E-02	1.4060E-03	7.0110E-04	2.8040E-04	2.0260E-04	2.5050E-05	3.3460E-05	1.1650E-05
IKE	4.0774E-05	1.9605E-02	1.4334E-03	6.9548E-04	2.8132E-04	2.0127E-04	2.4696E-05	3.3112E-05	1.1717E-05
JAERI(SRAC)	4.0040E-05	1.9610E-02	1.4290E-03	7.0470E-04	2.8070E-04	1.9990E-04	2.4560E-05	3.3500E-05	1.1870E-05
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.0970E-05	1.9580E-02	1.4430E-03	6.9820E-04	2.8310E-04	2.0360E-04	2.4990E-05	3.2380E-05	1.1570E-05
KFK(1985LIB.)	4.0845E-05	1.9575E-02	1.4508E-03	7.0456E-04	2.7865E-04	1.8154E-04	2.4899E-05	4.8121E-05	1.6676E-05
MAPI-CRC	4.0370E-05	1.9610E-02	1.4270E-03	6.9650E-04	2.8150E-04	2.0300E-04	2.7190E-05	3.1340E-05	1.1060E-05
NAIG	4.0669E-05	1.9613E-02	1.4326E-03	6.8972E-04	2.8109E-04	1.9937E-04	2.3482E-05	3.7534E-05	8.6924E-06
PNC	4.0430E-05	1.9620E-02	1.4030E-03	6.9250E-04	2.8070E-04	2.0040E-04	2.8170E-05	3.7680E-05	1.0160E-05
PSI(BOXER)	4.0530E-05	1.9602E-02	1.4299E-03	7.0649E-04	2.8678E-04	1.7281E-04	2.4287E-05	5.4927E-05	1.3529E-05
PSI(DANDE)	4.0775E-05	1.9614E-02	1.4371E-03	6.8767E-04	2.8231E-04	1.9739E-04	2.4222E-05	3.5609E-05	1.2146E-05
STUDSVIK	4.0800E-05	1.9610E-02	1.4210E-03	7.1740E-04	2.5810E-04	1.7410E-04	2.4780E-05	5.7600E-05	1.5120E-05
TUBS(DATUBS4)	4.0500E-05	1.9600E-02	1.4200E-03	7.0100E-04	2.8300E-04	1.9100E-04	2.4000E-05	3.8600E-05	8.6500E-06
TUBS(DATUBS5)	4.0800E-05	1.9600E-02	1.4500E-03	6.9300E-04	2.8300E-04	1.9700E-04	2.4200E-05	3.9500E-05	8.6100E-06
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

VM/VF=1.1

	U235	U238	PU239	PU240	PU241	PU242	AM241	AM243	CM244
ANSTO	4.1610E-05	2.0010E-02	1.1330E-03	5.8410E-04	2.8960E-04	1.6750E-04	2.1920E-05	3.4920E-05	1.4900E-05
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.1980E-05	2.0050E-02	1.1060E-03	5.8510E-04	2.8830E-04	1.7100E-04	2.3130E-05	3.3550E-05	1.3530E-05
HITACHI(J2)	4.1630E-05	2.0060E-02	1.0950E-03	5.8260E-04	2.8500E-04	1.8090E-04	2.2940E-05	3.3400E-05	1.3070E-05
IKE	4.2269E-05	2.0045E-02	1.1190E-03	5.7664E-04	2.8517E-04	1.7961E-04	2.2274E-05	3.3125E-05	1.3446E-05
JAERI(SRAC)	4.1590E-05	2.0050E-02	1.1130E-03	5.8500E-04	2.8450E-04	1.7860E-04	2.2390E-05	3.3090E-05	1.3540E-05
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.2160E-05	2.0040E-02	1.1130E-03	5.7200E-04	2.8930E-04	1.8550E-04	2.2590E-05	3.0660E-05	1.2850E-05
KFK(1985LIB.)	4.2013E-05	2.0034E-02	1.1212E-03	5.7725E-04	2.8568E-04	1.5650E-04	2.2517E-05	5.0158E-05	2.0643E-05
MAPI-CRC	4.2000E-05	2.0040E-02	1.1220E-03	5.7810E-04	2.8620E-04	1.8030E-04	2.4830E-05	3.2200E-05	2.3220E-05
NAIG	4.2151E-05	2.0054E-02	1.1135E-03	5.6849E-04	2.8984E-04	1.7751E-04	2.1442E-05	3.8294E-05	1.0334E-05
PNC	4.1940E-05	2.0060E-02	1.0910E-03	5.7140E-04	2.8750E-04	1.8140E-04	2.5860E-05	3.5910E-05	1.1230E-05
PSI(BOXER)	4.1923E-05	2.0045E-02	1.1116E-03	5.8218E-04	2.9602E-04	1.4861E-04	2.2166E-05	5.6605E-05	1.6459E-05
PSI(DANDE)	4.2398E-05	2.0050E-02	1.1237E-03	5.6751E-04	2.8973E-04	1.7504E-04	2.2068E-05	3.5720E-05	1.3825E-05
STUDSVIK	4.2130E-05	2.0060E-02	1.1070E-03	5.9410E-04	2.6950E-04	1.5020E-04	2.2320E-05	5.7740E-05	1.8610E-05
TUBS(DATUBS4)	4.1700E-05	2.0100E-02	1.1200E-03	5.7400E-04	2.8800E-04	1.6900E-04	2.1800E-05	3.8800E-05	1.0300E-05
TUBS(DATUBS5)	4.2100E-05	2.0000E-02	1.1400E-03	5.7100E-04	2.8500E-04	1.7600E-04	2.1800E-05	3.9500E-05	1.0200E-05
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	4.2230E-05	2.0037E-02	1.1081E-03	6.1231E-04	2.6356E-04	1.4888E-04	2.1020E-05	5.2244E-05	0.0

NUMBER DENSITIES X10**-24 (BURNUP=50GWD/T VOID=0%)

VM/VF=0.6

	U235	U238	PU239	PU240	PU241	PU242	AM241	AM243	CM244
ANSTO	2.9920E-05	1.9090E-02	1.3990E-03	7.1940E-04	2.7780E-04	1.7980E-04	3.3100E-05	4.6570E-05	2.5850E-05
CEA	3.1130E-05	1.9160E-02	1.3592E-03	6.9755E-04	2.8836E-04	1.7918E-04	4.0018E-05	4.7350E-05	2.5843E-05
GKSS	2.9510E-05	1.9128E-02	1.3559E-03	6.9328E-04	2.8475E-04	1.7972E-04	3.0532E-05	5.3610E-05	2.4503E-05
HITACHI(B4)	3.0320E-05	1.9180E-02	1.3480E-03	7.1070E-04	2.8060E-04	1.8040E-04	3.5250E-05	4.7040E-05	2.5570E-05
HITACHI(J2)	2.9720E-05	1.9200E-02	1.3270E-03	7.0610E-04	2.7850E-04	1.9870E-04	3.5060E-05	4.6290E-05	2.5090E-05
IKE	3.0801E-05	1.9164E-02	1.3669E-03	6.9681E-04	2.8009E-04	1.9692E-04	3.4309E-05	4.5294E-05	2.5066E-05
JAERI(SRAC)	2.9890E-05	1.9160E-02	1.3620E-03	7.1190E-04	2.8030E-04	1.9330E-04	3.4490E-05	4.6100E-05	2.5380E-05
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.1180E-05	1.9120E-02	1.3870E-03	7.0430E-04	2.8230E-04	2.0020E-04	3.5030E-05	4.4400E-05	2.4330E-05
KFK(1985LIB.)	3.1025E-05	1.9111E-02	1.3980E-03	7.1499E-04	2.7683E-04	1.6612E-04	3.4874E-05	6.4483E-05	3.4373E-05
MAPI-CRC	3.0330E-05	1.9170E-02	1.3580E-03	6.9980E-04	2.8060E-04	1.9930E-04	3.8030E-05	4.3160E-05	2.3220E-05
NAIG	3.0752E-05	1.9178E-02	1.3674E-03	6.9028E-04	2.7877E-04	1.9272E-04	3.1787E-05	5.3768E-05	1.9294E-05
PNC	3.0550E-05	1.9190E-02	1.3220E-03	6.9150E-04	2.7920E-04	1.9580E-04	3.9350E-05	5.3250E-05	2.1880E-05
PSI(BOXER)	3.0593E-05	1.9156E-02	1.3635E-03	7.1572E-04	2.9295E-04	1.5604E-04	3.3855E-05	7.6146E-05	2.9255E-05
PSI(DANDE)	3.0857E-05	1.9174E-02	1.3759E-03	6.8738E-04	2.8034E-04	1.8959E-04	3.3750E-05	4.9084E-05	2.5734E-05
STUDSVIK	3.0780E-05	1.9170E-02	1.3480E-03	7.3260E-04	2.5000E-04	1.5290E-04	3.4450E-05	8.0200E-05	3.4470E-05
TUBS(DATUBS4)	3.0400E-05	1.9200E-02	1.3600E-03	7.0600E-04	2.8400E-04	1.7900E-04	3.3500E-05	5.5200E-05	1.9200E-05
TUBS(DATUBS5)	3.0900E-05	1.9100E-02	1.3900E-03	6.9500E-04	2.8400E-04	1.8900E-04	3.4000E-05	5.7000E-05	1.9200E-05
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

VM/VF=1.1

	U235	U238	PU239	PU240	PU241	PU242	AM241	AM243	CM244
ANSTO	3.1410E-05	1.9610E-02	1.0220E-03	5.6520E-04	2.9900E-04	1.6040E-04	3.0420E-05	4.6360E-05	3.1480E-05
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	3.1810E-05	1.9690E-02	9.7540E-04	5.6310E-04	2.9750E-04	1.6760E-04	3.2530E-05	4.6650E-05	2.9070E-05
HITACHI(J2)	3.1290E-05	1.9700E-02	9.6260E-04	5.5940E-04	2.9180E-04	1.8290E-04	3.2100E-05	4.6280E-05	2.8490E-05
IKE	3.2130E-05	1.9671E-02	9.9652E-04	5.5034E-04	2.9210E-04	1.8104E-04	3.0626E-05	4.5239E-05	2.9050E-05
JAERI(SRAC)	3.1280E-05	1.9680E-02	9.8800E-04	5.6340E-04	2.9270E-04	1.7800E-04	3.1330E-05	4.5360E-05	2.9260E-05
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.2070E-05	1.9660E-02	9.9230E-04	5.4510E-04	2.9720E-04	1.9030E-04	3.1300E-05	4.2080E-05	2.7490E-05
KFK(1985LIB.)	3.1903E-05	1.9649E-02	1.0054E-03	5.5458E-04	2.9294E-04	1.4520E-04	3.1232E-05	6.6122E-05	4.2583E-05
MAPI-CRC	3.1860E-05	1.9660E-02	1.0020E-03	5.5430E-04	2.9470E-04	1.8180E-04	3.4730E-05	4.4210E-05	2.7390E-05
NAIG	3.2081E-05	1.9688E-02	9.8907E-04	5.4028E-04	2.9726E-04	1.7672E-04	2.8913E-05	5.4683E-05	2.3246E-05
PNC	3.1900E-05	1.9700E-02	9.5660E-04	5.4160E-04	2.9380E-04	1.8420E-04	3.5970E-05	5.0780E-05	2.4510E-05
PSI(BOXER)	3.1796E-05	1.9671E-02	9.8686E-04	5.6073E-04	3.1305E-04	1.3698E-04	3.0813E-05	7.7319E-05	3.5668E-05
PSI(DANDE)	3.2388E-05	1.9677E-02	1.0067E-03	5.3891E-04	2.9763E-04	1.7255E-04	3.0630E-05	4.8999E-05	2.9580E-05
STUDSVIK	3.1990E-05	1.9690E-02	9.7590E-04	5.7750E-04	2.7250E-04	1.3430E-04	3.0670E-05	7.8520E-05	4.2250E-05
TUBS(DATUBS4)	3.1500E-05	1.9700E-02	9.9700E-04	5.4700E-04	2.9700E-04	1.6300E-04	3.0300E-05	5.5000E-05	2.3000E-05
TUBS(DATUBS5)	3.2000E-05	1.9700E-02	1.0300E-03	5.4300E-04	2.9300E-04	1.7400E-04	3.0300E-05	5.6600E-05	2.2900E-05
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	3.1992E-05	1.9654E-02	9.7692E-04	6.0542E-04	2.6669E-04	1.3182E-04	2.8316E-05	6.7545E-05	0.0

ABSORPTION CROSS SECTION OF U235 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.7486E+00	2.6376E+01	5.3742E+01	8.8708E+00	1.7158E+00	3.0154E+01	7.4660E+01	1.2165E+01
CEA	0.0	0.0	0.0	8.6282E+00	0.0	0.0	0.0	0.0
GKSS	1.7416E+00	2.5407E+01	6.1727E+01	8.8061E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	1.7506E+00	2.6143E+01	5.7666E+01	8.9733E+00	1.7177E+00	2.9748E+01	8.0037E+01	1.2317E+01
HITACHI(J2)	1.7921E+00	2.6881E+01	5.7996E+01	9.3054E+00	1.7634E+00	3.0677E+01	8.0892E+01	1.2722E+01
IKE	1.7443E+00	2.5860E+01	5.6817E+01	8.8684E+00	1.7159E+00	2.9827E+01	7.8905E+01	1.2228E+01
JAERI(SRAC)	1.7857E+00	2.6967E+01	5.6836E+01	9.2281E+00	1.7583E+00	3.0955E+01	7.9404E+01	1.2653E+01
JAERI(VIM)	1.7807E+00	2.6662E+01	5.5985E+01	9.1211E+00	1.7491E+00	3.0813E+01	7.6425E+01	1.2547E+01
KFK(NEWEST)	1.7528E+00	2.5607E+01	5.2705E+01	8.5569E+00	1.7227E+00	2.9719E+01	7.6589E+01	1.2020E+01
KFK(1985LIB.)	1.7558E+00	2.5588E+01	5.4115E+01	8.5167E+00	1.7262E+00	2.9718E+01	7.7773E+01	1.1953E+01
MAPI-CRC	1.7749E+00	2.5904E+01	5.5206E+01	8.9059E+00	1.7464E+00	2.9733E+01	7.6895E+01	1.2165E+01
NAIG	1.7250E+00	2.6107E+01	5.4009E+01	8.7465E+00	1.6970E+00	2.9975E+01	7.5833E+01	1.2027E+01
PNC	1.8800E+00	2.5020E+01	5.9370E+01	8.8719E+00	1.8506E+00	2.8913E+01	8.2309E+01	1.2536E+01
PSI(BOXER)	1.7458E+00	2.5792E+01	5.0283E+01	8.6699E+00	1.7345E+00	2.9549E+01	6.6195E+01	1.2037E+01
PSI(DANDE)	1.7489E+00	2.5772E+01	5.4504E+01	8.9674E+00	1.7212E+00	2.9524E+01	7.5959E+01	1.2327E+01
STUDSVIK	1.7320E+00	0.0	0.0	8.6600E+00	1.6980E+00	0.0	0.0	1.1843E+01
TUBS(DATUBS4)	1.8770E+00	2.5462E+01	6.5783E+01	9.3555E+00	1.8404E+00	2.9391E+01	9.3689E+01	1.3948E+01
TUBS(DATUBS5)	1.8810E+00	2.4990E+01	6.5201E+01	9.2283E+00	1.8424E+00	2.9020E+01	9.2437E+01	1.3698E+01
VA.TECH	1.7644E+00	2.4987E+01	5.0981E+01	8.6362E+00	1.7488E+00	2.8985E+01	6.8021E+01	1.2186E+01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1720E+01

ABSORPTION CROSS SECTION OF U238 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.9312E-01	1.9359E+00	5.3812E-01	7.0085E-01	3.0639E-01	2.2962E+00	5.7565E-01	8.4171E-01
CEA	0.0	0.0	0.0	6.8109E-01	0.0	0.0	0.0	0.0
GKSS	2.9855E-01	1.8328E+00	2.2391E-01	6.8304E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	2.9173E-01	1.7960E+00	5.5860E-01	6.7727E-01	3.0994E-01	2.1381E+00	6.0156E-01	8.0746E-01
HITACHI(J2)	2.9581E-01	1.7480E+00	5.4345E-01	6.7358E-01	3.1312E-01	2.0904E+00	5.9131E-01	8.0013E-01
IKE	3.0435E-01	1.8735E+00	5.4192E-01	7.0678E-01	3.2727E-01	2.2097E+00	5.8694E-01	8.3572E-01
JAERI(SRAC)	3.0170E-01	1.8362E+00	5.6009E-01	6.9889E-01	3.2016E-01	2.1536E+00	6.0201E-01	8.2077E-01
JAERI(VIM)	2.9831E-01	1.8362E+00	5.4082E-01	6.9199E-01	3.1639E-01	2.1535E+00	5.8213E-01	8.1184E-01
KFK(NEWEST)	3.0752E-01	1.8806E+00	5.4490E-01	7.0145E-01	3.2447E-01	2.1116E+00	5.9424E-01	8.0343E-01
KFK(1985LIB.)	3.0593E-01	1.8803E+00	5.4289E-01	7.0152E-01	3.2250E-01	2.1117E+00	5.9250E-01	8.0508E-01
MAPI-CRC	2.9180E-01	1.8318E+00	5.3856E-01	6.8674E-01	3.0966E-01	2.2347E+00	5.8090E-01	8.2678E-01
NAIG	3.0900E-01	1.7830E+00	5.3900E-01	6.8010E-01	3.2400E-01	2.1010E+00	5.8400E-01	7.9950E-01
PNC	3.1384E-01	5.7665E+00	5.4721E-01	1.7001E+00	3.3131E-01	7.1691E+00	5.9492E-01	2.1674E+00
PSI(BOXER)	2.8828E-01	1.7905E+00	4.6984E-01	6.6787E-01	3.0831E-01	2.0681E+00	4.8399E-01	7.8526E-01
PSI(DANDE)	2.9473E-01	1.8292E+00	5.4057E-01	6.9582E-01	3.1475E-01	2.1737E+00	5.8188E-01	8.2816E-01
STUDSVIK	3.1500E-01	0.0	0.0	6.7200E-01	3.3300E-01	0.0	0.0	7.9200E-01
TUBS(DATUBS4)	3.1829E-01	1.7069E+00	6.2237E-01	6.8805E-01	3.3611E-01	1.9767E+00	6.6767E-01	8.5334E-01
TUBS(DATUBS5)	3.1869E-01	1.7856E+00	6.2193E-01	7.1478E-01	3.3601E-01	2.0754E+00	6.6558E-01	8.5003E-01
VA.TECH	2.9781E-01	1.8952E+00	4.9368E-01	7.0551E-01	3.2328E-01	2.2562E+00	5.0798E-01	8.5070E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1069E-01

ABSORPTION CROSS SECTION OF PU239 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.9002E+00	2.3781E+01	1.3707E+02	9.8820E+00	1.9098E+00	2.8385E+01	2.2191E+02	1.7846E+01
CEA	0.0	0.0	0.0	1.0067E+01	0.0	0.0	0.0	0.0
GKSS	1.8914E+00	2.2847E+01	1.4598E+02	9.8342E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	1.8939E+00	2.3540E+01	1.4581E+02	1.0076E+01	1.9048E+00	2.8259E+01	2.3440E+02	1.8262E+01
HITACHI(J2)	1.9520E+00	2.3696E+01	1.4598E+02	1.0273E+01	1.9649E+00	2.8552E+01	2.3464E+02	1.8560E+01
IKE	1.9511E+00	2.3696E+01	1.4492E+02	1.0080E+01	1.9695E+00	2.8454E+01	2.3303E+02	1.8178E+01
JAERI(SRAC)	1.9528E+00	2.3713E+01	1.4314E+02	1.0088E+01	1.6960E+00	2.8327E+01	2.3217E+02	1.8201E+01
JAERI(VIM)	1.9480E+00	2.3937E+01	1.4052E+02	1.0185E+01	1.9595E+00	2.8455E+01	2.2354E+02	1.8251E+01
KFK(NEWEST)	1.8862E+00	2.4106E+01	1.4240E+02	9.8561E+00	1.8998E+00	2.8708E+01	2.2739E+02	1.7844E+01
KFK(1985LIB.)	1.8864E+00	2.4086E+01	1.4834E+02	9.7319E+00	1.9001E+00	2.8708E+01	2.3232E+02	1.7569E+01
MAPI-CRC	1.9447E+00	2.3133E+01	1.3877E+02	9.9172E+00	1.9599E+00	2.7906E+01	2.2425E+02	1.7836E+01
NAIG	1.9000E+00	2.3223E+01	1.4335E+02	9.7802E+00	1.9130E+00	2.7606E+01	2.3126E+02	1.7695E+01
PNC	1.9417E+00	2.5658E+01	1.7811E+02	1.1404E+01	1.9589E+00	3.0457E+01	2.7231E+02	2.1193E+01
PSI(BOXER)	1.9074E+00	2.3733E+01	1.3378E+02	9.8234E+00	1.9406E+00	2.7978E+01	1.9890E+02	1.7711E+01
PSI(DANDE)	1.9515E+00	2.2999E+01	1.4088E+02	1.0057E+01	1.9682E+00	2.7579E+01	2.2633E+02	1.8242E+01
STUDSVIK	1.8920E+00	0.0	0.0	9.7800E+00	1.9040E+00	0.0	0.0	1.7515E+01
TUBS(DATUBS4)	1.9639E+00	2.3545E+01	1.7582E+02	1.1234E+01	1.9773E+00	2.7701E+01	2.8090E+02	2.2706E+01
TUBS(DATUBS5)	2.0185E+00	2.3162E+01	1.9002E+02	1.1364E+01	2.0293E+00	2.7447E+01	3.0484E+02	2.3418E+01
VA.TECH	1.9117E+00	2.3368E+01	1.2982E+02	9.9413E+00	1.9486E+00	2.7779E+01	1.8846E+02	1.7692E+01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7722E+01

ABSORPTION CROSS SECTION OF PU240 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	9.8043E-01	9.4732E+00	2.3569E+02	7.4791E+00	1.0519E+00	1.0905E+01	2.8149E+02	1.5091E+01
CEA	0.0	0.0	0.0	7.8129E+00	0.0	0.0	0.0	0.0
GKSS	9.8009E-01	8.5240E+00	2.6064E+02	7.6926E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	9.6958E-01	8.3090E+00	2.5580E+02	7.6273E+00	1.0422E+00	9.6231E+00	2.9675E+02	1.5221E+01
HITACHI(J2)	1.0201E+00	8.9073E+00	2.5599E+02	7.8934E+00	1.0927E+00	1.0229E+01	2.9333E+02	1.5443E+01
IKE	1.0278E+00	9.1303E+00	2.5835E+02	7.7863E+00	1.1073E+00	1.0481E+01	2.9801E+02	1.5409E+01
JAERI(SRAC)	1.0308E+00	8.8883E+00	2.5447E+02	7.6522E+00	1.1052E+00	1.0188E+01	2.9143E+02	1.5128E+01
JAERI(VIM)	1.0231E+00	8.9253E+00	2.4811E+02	7.7923E+00	1.0938E+00	1.0139E+01	2.8710E+02	1.5492E+01
KFK(NEWEST)	1.0189E+00	9.0370E+00	2.6370E+02	7.6125E+00	1.0817E+00	1.0394E+01	3.0298E+02	1.5464E+01
KFK(1985LIB.)	1.0154E+00	9.0296E+00	2.7485E+02	7.3487E+00	1.0778E+00	1.0394E+01	3.0949E+02	1.5034E+01
MAPI-CRC	1.0239E+00	8.8443E+00	2.5318E+02	7.8026E+00	1.1010E+00	1.0260E+01	2.9166E+02	1.5351E+01
NAIG	1.0200E+00	8.7420E+00	2.7044E+02	7.8386E+00	1.0880E+00	1.0204E+01	3.1230E+02	1.5767E+01
PNC	1.0178E+00	1.0800E+01	5.7588E+02	1.4768E+01	1.0897E+00	1.2370E+01	6.2095E+02	3.0753E+01
PSI(BOXER)	9.9477E-01	8.4510E+00	2.4400E+02	7.3763E+00	1.0791E+00	9.5642E+00	2.6045E+02	1.4972E+01
PSI(DANDE)	1.0124E+00	8.8146E+00	2.6161E+02	8.0350E+00	1.0877E+00	1.0337E+01	3.0060E+02	1.6075E+01
STUDSVIK	9.0800E-01	0.0	0.0	6.9370E+00	9.7900E-01	0.0	0.0	1.4197E+01
TUBS(DATUBS4)	9.8639E-01	8.5367E+00	2.6042E+02	8.1941E+00	1.0601E+00	9.9177E+00	2.8449E+02	1.7135E+01
TUBS(DATUBS5)	1.0289E+00	9.3769E+00	2.6536E+02	8.3873E+00	1.1020E+00	1.0885E+01	2.9058E+02	1.7335E+01
VA.TECH	9.8557E-01	8.6358E+00	2.1901E+02	7.3634E+00	1.0772E+00	9.9753E+00	2.4404E+02	1.4948E+01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3293E+01

ABSORPTION CROSS SECTION OF PU241 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.1327E+00	4.1087E+01	1.0770E+02	1.3827E+01	2.1141E+00	5.1044E+01	1.7623E+02	2.2065E+01
CEA	0.0	0.0	0.0	1.3233E+01	0.0	0.0	0.0	0.0
GKSS	2.1321E+00	3.9585E+01	1.2348E+02	1.3802E+01	0.0	0.0	0.0	0.0
HITACHI(B4)	2.1384E+00	4.0457E+01	1.1689E+02	1.3994E+01	2.1139E+00	4.9752E+01	1.8995E+02	2.2333E+01
HITACHI(J2)	2.2375E+00	4.1759E+01	1.2013E+02	1.4627E+01	2.2067E+00	5.2634E+01	1.9376E+02	2.3506E+01
IKE	2.2368E+00	4.0773E+01	1.1863E+02	1.4140E+01	2.2085E+00	5.1886E+01	1.9166E+02	2.2898E+01
JAERI(SRAC)	2.2331E+00	4.0774E+01	1.1745E+02	1.4187E+01	2.2034E+00	5.1707E+01	1.9211E+02	2.3003E+01
JAERI(VIM)	2.2222E+00	4.0456E+01	1.1610E+02	1.4092E+01	2.1875E+00	5.1371E+01	1.8410E+02	2.2794E+01
KFK(NEWEST)	2.1435E+00	4.1520E+01	1.1529E+02	1.3884E+01	2.1134E+00	5.3215E+01	1.8744E+02	2.2834E+01
KFK(1985LIB.)	2.1469E+00	4.1486E+01	1.1927E+02	1.3793E+01	2.1173E+00	5.3214E+01	1.9103E+02	2.2653E+01
MAPI-CRC	2.2105E+00	4.0359E+01	1.1495E+02	1.4017E+01	2.1785E+00	5.2119E+01	1.8529E+02	2.2776E+01
NAIG	2.2080E+00	4.2504E+01	1.1444E+02	1.4282E+01	2.1790E+00	5.3950E+01	1.8639E+02	2.3006E+01
PNC	2.2065E+00	4.2934E+01	1.3559E+02	1.5139E+01	2.1846E+00	5.3888E+01	2.1190E+02	2.5001E+01
PSI(BOXER)	2.1334E+00	3.9036E+01	1.0570E+02	1.3299E+01	2.1323E+00	4.8300E+01	1.5995E+02	2.1511E+01
PSI(DANDE)	2.2365E+00	4.1642E+01	1.1561E+02	1.4593E+01	2.2073E+00	5.2655E+01	1.8512E+02	2.3462E+01
STUDSVIK	2.2100E+00	0.0	0.0	1.4904E+01	2.1740E+00	0.0	0.0	2.3436E+01
TUBS(DATUBS4)	2.2934E+00	3.8895E+01	1.9231E+02	1.5048E+01	2.2642E+00	4.8572E+01	2.7314E+02	2.7015E+01
TUBS(DATUBS5)	2.3793E+00	3.9672E+01	2.1516E+02	1.5569E+01	2.3388E+00	5.0878E+01	3.0109E+02	2.8438E+01
VA.TECH	2.1548E+00	3.8552E+01	1.0446E+02	1.3438E+01	2.1529E+00	4.7643E+01	1.5511E+02	2.1582E+01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2840E+01

ABSORPTION CROSS SECTION OF PU242 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	7.8838E-01	5.5129E+00	1.9443E+02	5.5768E+00	8.6811E-01	6.0092E+00	1.7991E+02	9.5294E+00
CEA	0.0	0.0	0.0	5.8872E+00	0.0	0.0	0.0	0.0
GKSS	7.9085E-01	5.8660E+00	2.0197E+02	5.7981E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	7.7613E-01	4.9392E+00	2.1015E+02	5.7724E+00	8.5582E-01	5.4197E+00	1.8369E+02	9.4277E+00
HITACHI(J2)	8.2644E-01	4.5410E+00	2.0044E+02	5.5743E+00	8.9196E-01	4.9923E+00	1.7309E+02	9.0051E+00
IKE	8.3449E-01	5.1391E+00	1.9867E+02	5.5424E+00	9.0608E-01	5.5710E+00	1.7753E+02	9.1729E+00
JAERI(SRAC)	8.3740E-01	5.1270E+00	1.9927E+02	5.5453E+00	9.0412E-01	5.5432E+00	1.7366E+02	9.0411E+00
JAERI(VIM)	8.2918E-01	5.1253E+00	1.9040E+02	5.5756E+00	8.9252E-01	5.2555E+00	1.7289E+02	9.2672E+00
KFK(NEWEST)	8.1964E-01	5.3465E+00	1.9060E+02	5.2698E+00	8.8117E-01	5.7299E+00	1.5571E+02	8.2761E+00
KFK(1985LIB.)	8.1628E-01	5.3425E+00	3.6945E+02	7.7834E+00	8.7745E-01	5.7298E+00	3.1504E+02	1.3869E+01
MAPI-CRC	8.2760E-01	4.8005E+00	1.7582E+02	5.1633E+00	8.9610E-01	5.2871E+00	1.6418E+02	8.7037E+00
NAIG	8.4200E-01	4.8220E+00	2.0529E+02	5.5478E+00	9.0400E-01	5.2220E+00	1.8338E+02	9.2418E+00
PNC	8.2235E-01	5.2004E+00	1.9461E+02	5.7310E+00	8.8680E-01	5.6164E+00	1.6051E+02	9.0143E+00
PSI(BOXER)	8.0066E-01	5.7141E+00	3.3467E+02	8.2331E+00	8.8903E-01	6.1536E+00	2.6996E+02	1.4358E+01
PSI(DANDE)	8.1893E-01	4.7753E+00	2.1603E+02	5.9759E+00	8.8750E-01	5.2061E+00	1.9095E+02	9.9795E+00
STUDSVIK	7.9000E-01	0.0	0.0	8.6170E+00	8.6900E-01	0.0	0.0	1.4689E+01
TUBS(DATUBS4)	8.2366E-01	1.6814E+01	2.1049E+02	5.8812E+00	8.8711E-01	2.6743E+01	1.7002E+02	9.8410E+00
TUBS(DATUBS5)	8.4519E-01	1.6942E+01	2.1322E+02	5.9473E+00	9.0917E-01	2.6783E+01	1.7211E+02	9.8751E+00
VA.TECH	7.9328E-01	5.8039E+00	1.8079E+02	5.7288E+00	8.9155E-01	6.0899E+00	1.5453E+02	9.5481E+00
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4652E+01

ABSORPTION CROSS SECTION OF FE (BURNUP=0GWD/T VOID=0%)

	1/3	2/3	3/3	1/1
ANSTO	7.3441E-03	5.7374E-02	4.6555E-01	2.7923E-02
CEA	0.0	0.0	0.0	3.2884E-02
GKSS	7.7547E-03	7.2597E-02	5.0014E-01	3.3194E-02
HITACHI(B4)	7.3274E-03	7.0720E-02	4.8607E-01	3.2516E-02
HITACHI(J2)	7.4693E-03	7.0493E-02	4.9061E-01	3.2840E-02
IKE	8.1946E-03	6.3567E-02	4.8396E-01	3.0795E-02
JAERI(SRAC)	9.2378E-03	5.6081E-02	4.8007E-01	2.9786E-02
JAERI(VIM)	9.0078E-03	5.3216E-02	4.5698E-01	2.8839E-02
KFK(NEWEST)	6.3914E-03	4.0248E-02	4.5469E-01	2.2643E-02
KFK(1985LIB.)	6.3900E-03	4.0221E-02	4.6608E-01	2.2093E-02
MAPI-CRC	9.4361E-03	6.2115E-02	4.6312E-01	3.1364E-02
NAIG	0.0	0.0	0.0	0.0
PNC	5.5041E-03	4.7520E-02	4.3540E-01	2.2857E-02
PSI(BOXER)	7.2265E-03	5.6672E-02	5.1970E-01	2.7177E-02
PSI(DANDE)	6.0631E-03	4.0893E-02	4.7299E-01	2.3871E-02
STUDSVIK	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	8.8727E-03	6.3561E-02	4.5620E-01	2.8999E-02
TUBS(DATUBS5)	8.2121E-03	7.6593E-02	4.5244E-01	3.1682E-02
VA.TECH	7.3589E-03	6.1131E-02	4.9147E-01	0.0
WINFRITH	0.0	0.0	0.0	0.0

ABSORPTION CROSS SECTION OF CR (BURNUP=0GWD/T VOID=0%)

	1/3	2/3	3/3	1/1
ANSTO	9.4282E-03	7.1466E-02	5.7136E-01	3.4904E-02
CEA	0.0	0.0	0.0	2.6809E-02
GKSS	9.7702E-03	7.5467E-02	5.9830E-01	3.7208E-02
HITACHI(B4)	5.7325E-03	7.2763E-02	5.8119E-01	3.3510E-02
HITACHI(J2)	5.7552E-03	7.2593E-02	5.8630E-01	3.3964E-02
IKE	6.4413E-03	7.4896E-02	5.9035E-01	3.4305E-02
JAERI(SRAC)	5.5238E-03	7.2856E-02	5.7457E-01	3.3100E-02
JAERI(VIM)	5.5533E-03	6.8627E-02	5.6989E-01	3.2404E-02
KFK(NEWEST)	4.7817E-03	6.6517E-02	5.9589E-01	3.0222E-02
KFK(1985LIB.)	4.7801E-03	6.5755E-02	6.1089E-01	2.9558E-02
MAPI-CRC	5.8147E-03	7.4053E-02	5.7443E-01	3.3857E-02
NAIG	0.0	0.0	0.0	0.0
PNC	3.4051E-03	3.8209E-02	5.2861E-01	2.0534E-02
PSI(BOXER)	1.0437E-02	7.1787E-02	6.3168E-01	3.4967E-02
PSI(DANDE)	6.0421E-03	6.8711E-02	5.7741E-01	3.2989E-02
STUDSVIK	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.2756E-02	7.8214E-02	5.5196E-01	3.4957E-02
TUBS(DATUBS5)	1.2906E-02	7.7754E-02	5.4772E-01	3.4717E-02
VA.TECH	9.7008E-03	7.4903E-02	5.9597E-01	0.0
WINFRITH	0.0	0.0	0.0	0.0

ABSORPTION CROSS SECTION OF NI (BURNUP=0GWD/T VOID=0%)

	1/3	2/3	3/3	1/1
ANSTO	4.4660E-02	6.3414E-02	8.3588E-01	6.3825E-02
CEA	0.0	0.0	0.0	5.7682E-02
GKSS	4.6024E-02	6.4893E-02	8.8494E-01	6.6327E-02
HITACHI(B4)	4.6234E-02	6.5328E-02	8.4058E-01	6.6009E-02
HITACHI(J2)	4.7903E-02	6.4987E-02	8.4852E-01	6.7541E-02
IKE	4.4420E-02	5.4456E-02	7.7836E-01	6.0136E-02
JAERI(SRAC)	5.0558E-02	6.4097E-02	7.8271E-01	6.7343E-02
JAERI(VIM)	5.0035E-02	6.4405E-02	8.2158E-01	6.8564E-02
KFK(NEWEST)	4.1458E-02	5.6967E-02	8.4943E-01	1.0478E-02
KFK(1985LIB.)	4.0479E-02	5.6889E-02	8.7086E-01	5.7718E-02
MAPI-CRC	5.0257E-02	6.4914E-02	8.3069E-01	6.8731E-02
NAIG	0.0	0.0	0.0	0.0
PNC	3.4299E-02	5.9971E-02	7.9175E-01	5.2964E-02
PSI(BOXER)	4.5274E-02	6.4660E-02	9.3051E-01	6.3669E-02
PSI(DANDE)	4.1532E-02	5.5154E-02	7.6079E-01	5.8668E-02
STUDSVIK	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	4.5322E-02	7.0654E-02	8.1344E-01	6.3118E-02
TUBS(DATUBS5)	4.6326E-02	6.9484E-02	8.0719E-01	6.3171E-02
VA.TECH	4.3667E-02	6.2785E-02	8.7827E-01	0.0
WINFRITH	0.0	0.0	0.0	0.0

ABSORPTION CROSS SECTION OF MN55 (BURNUP=0GWD/T VOID=0%)

	1/3	2/3	3/3	1/1
ANSTO	1.4887E-02	1.2481E+00	2.4547E+00	3.6899E-01
CEA	0.0	0.0	0.0	4.6362E-01
GKSS	1.2954E-02	1.4424E+00	2.5525E+00	4.1956E-01
HITACHI(B4)	7.2820E-03	1.0256E+00	2.5393E+00	3.1245E-01
HITACHI(J2)	7.3387E-03	1.0018E+00	2.5632E+00	3.1126E-01
IKE	1.5617E-02	1.5583E+00	2.5313E+00	4.5132E-01
JAERI(SRAC)	1.5684E-02	1.4404E+00	2.5322E+00	4.2587E-01
JAERI(VIM)	9.9208E-03	1.2581E+00	2.4808E+00	3.7337E-01
KFK(NEWEST)	1.5328E-02	7.7962E-01	2.5755E+00	2.4960E-01
KFK(1985LIB.)	1.5374E-02	1.6011E+00	2.6330E+00	4.5151E-01
MAPI-CRC	9.8748E-03	1.4464E+00	2.5023E+00	4.2114E-01
NAIG	0.0	0.0	0.0	0.0
PNC	0.0	1.2894E+00	2.3658E+00	3.5622E-01
PSI(BOXER)	1.4786E-02	8.6000E-01	2.7220E+00	2.6241E-01
PSI(DANDE)	1.5699E-02	1.0325E+00	2.4750E+00	3.2380E-01
STUDSVIK	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.7169E-02	1.5155E+00	2.3820E+00	4.4519E-01
TUBS(DATUBS5)	1.7416E-02	1.5220E+00	2.3638E+00	4.4890E-01
VA.TECH	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0

ABSORPTION CROSS SECTION OF SS (BURNUP=0GWD/T VOID=0%)

	1/3	2/3	3/3	1/1
ANSTO	1.1846E-02	8.5221E-02	5.6740E-01	4.0105E-02
CEA	0.0	0.0	0.0	4.2924E-02
GKSS	1.2294E-02	1.0024E-01	6.0314E-01	4.5370E-02
HITACHI(B4)	1.1052E-02	8.9994E-02	5.8527E-01	4.1919E-02
HITACHI(J2)	1.1327E-02	8.9288E-02	5.9068E-01	4.2366E-02
IKE	1.1757E-02	9.5413E-02	5.7917E-01	4.3160E-02
JAERI(SRAC)	1.2892E-02	8.8644E-02	5.7369E-01	4.2471E-02
JAERI(VIM)	1.2575E-02	8.2172E-02	5.6046E-01	4.0757E-02
KFK(NEWEST)	9.8940E-03	6.2656E-02	5.6936E-01	2.7609E-02
KFK(1985LIB.)	9.7913E-03	7.9156E-02	5.8351E-01	3.6144E-02
MAPI-CRC	1.2936E-02	9.3093E-02	5.6687E-01	4.3725E-02
NAIG	0.0	0.0	0.0	0.0
PNC	1.1000E-02	7.3000E-02	5.1800E-01	3.5900E-02
PSI(BOXER)	1.2047E-02	7.7072E-02	6.3143E-01	3.7444E-02
PSI(DANDE)	9.9630E-03	6.8502E-02	5.6617E-01	3.5560E-02
STUDSVIK	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.3686E-02	9.6946E-02	5.5323E-01	4.2301E-02
TUBS(DATUBS5)	1.3392E-02	1.0546E-01	5.4882E-01	4.4102E-02
VA.TECH	1.1508E-02	6.3018E-02	5.4436E-01	0.0
WINFRITH	0.0	0.0	0.0	0.0

ABSORPTION CROSS SECTION OF ZR (BURNUP=0GWD/T VOID=0%)

	1/3	2/3	3/3	1/1
ANSTO	1.2523E-02	1.4539E-01	4.8060E-02	4.8593E-02
CEA	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0
HITACHI(B4)	1.3454E-02	1.3889E-01	5.0182E-02	4.8262E-02
HITACHI(J2)	1.3525E-02	1.3675E-01	5.0339E-01	4.8012E-02
IKE	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.3209E-02	1.1595E-01	5.1740E-02	4.2171E-02
JAERI(VIM)	1.3190E-02	1.2083E-01	4.8678E-02	3.9249E-02
KFK(NEWEST)	1.0258E-02	1.3496E-01	4.4377E-02	4.4280E-02
KFK(1985LIB.)	1.0271E-02	1.3495E-01	4.5042E-02	4.4495E-02
MAPI-CRC	1.6259E-02	1.3747E-01	4.4566E-02	4.9251E-02
NAIG	1.3000E-02	1.4600E-01	4.8000E-02	4.9400E-02
PNC	1.0475E-02	1.2012E-01	3.9388E-02	3.9872E-02
PSI(BOXER)	1.8772E-02	8.5495E-02	5.2169E-02	3.7228E-02
PSI(DANDE)	1.0420E-02	3.9534E-02	4.2111E-02	1.9526E-02
STUDSVIK	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.3487E-02	1.2980E-01	4.3604E-02	4.5221E-02
TUBS(DATUBS5)	1.3607E-02	1.3093E-01	4.3145E-02	4.5715E-02
VA.TECH	2.4985E-02	1.0274E-05	2.2074E-04	0.0
WINFRITH	0.0	0.0	0.0	0.0

FISSION CROSS SECTION OF U235 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.4555E+00	1.7050E+01	4.3032E+01	6.1275E+00	1.4503E+00	1.9181E+01	6.1520E+01	8.5574E+00
CEA	0.0	0.0	0.0	5.9771E+00	0.0	0.0	0.0	0.0
GKSS	1.4527E+00	1.6718E+01	4.9833E+01	6.1894E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	1.4544E+00	1.6985E+01	4.6245E+01	6.2269E+00	1.4430E+00	1.9041E+01	6.6067E+01	8.7194E+00
HITACHI(J2)	1.4800E+00	1.6651E+01	4.6129E+01	6.2250E+00	1.4696E+00	1.8655E+01	6.6458E+01	8.7169E+00
IKE	1.4478E+00	1.6816E+01	4.5448E+01	6.1504E+00	1.4400E+00	1.9134E+01	6.5028E+01	8.6539E+00
JAERI(SRAC)	1.4765E+00	1.6764E+01	4.4915E+01	6.1770E+00	1.4678E+00	1.8896E+01	6.5010E+01	8.6579E+00
JAERI(VIM)	1.4723E+00	1.6617E+01	4.4257E+01	6.1294E+00	1.4602E+00	1.8829E+01	6.2518E+01	8.6036E+00
KFK(NEWEST)	1.4643E+00	1.6259E+01	4.1945E+01	5.8400E+00	1.4552E+00	1.8582E+01	6.3004E+01	8.3777E+00
KFK(1985LIB.)	1.4657E+00	1.6247E+01	4.3072E+01	5.8037E+00	1.4568E+00	1.8582E+01	6.4000E+01	8.3109E+00
MAPI-CRC	1.4737E+00	1.5989E+01	4.3694E+01	5.9543E+00	1.4656E+00	1.7979E+01	6.2946E+01	8.3119E+00
NAIG	1.4470E+00	1.7304E+01	4.2991E+01	6.1503E+00	1.4380E+00	1.9486E+01	6.2372E+01	8.5685E+00
PNC	1.5657E+00	1.6136E+01	4.7293E+01	6.1536E+00	1.5595E+00	1.8282E+01	6.7501E+01	8.8590E+00
PSI(BOXER)	1.4588E+00	1.6820E+01	4.0393E+01	6.0293E+00	1.4660E+00	1.9019E+01	5.4719E+01	8.5316E+00
PSI(DANDE)	1.4512E+00	1.6497E+01	4.3449E+01	6.1441E+00	1.4445E+00	1.8616E+01	6.2453E+01	8.6273E+00
STUDSVIK	1.4510E+00	0.0	0.0	6.0410E+00	1.4390E+00	0.0	0.0	8.3930E+00
TUBS(DATUBS4)	1.3999E+00	1.6460E+01	5.3627E+01	6.3888E+00	1.3471E+00	1.8692E+01	7.7996E+01	9.8440E+00
TUBS(DATUBS5)	1.3948E+00	1.6087E+01	5.2939E+01	6.2687E+00	1.3410E+00	1.8389E+01	7.6586E+01	9.6046E+00
VA.TECH	1.4676E+00	1.6286E+01	4.0889E+01	6.0160E+00	1.4724E+00	1.8624E+01	5.6270E+01	8.6630E+00
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1725E+00

FISSION CROSS SECTION OF U238 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2129E-01	0.0	1.5879E-10	9.2112E-02	1.5320E-01	0.0	1.4183E-10	1.1022E-01
CEA	0.0	0.0	0.0	9.1144E-02	0.0	0.0	0.0	0.0
GKSS	1.2757E-01	2.4411E-05	0.0	9.3122E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.1972E-01	8.1381E-05	4.3798E-08	8.7208E-02	1.4816E-01	7.4737E-05	3.7418E-07	1.0285E-01
HITACHI(J2)	1.2844E-01	1.4239E-04	5.3548E-07	9.3074E-02	1.5546E-01	1.3651E-04	6.1719E-07	1.0756E-01
IKE	1.3310E-01	1.4205E-04	5.3380E-07	9.6932E-02	1.6455E-01	1.3307E-04	6.1155E-07	1.1446E-01
JAERI(SRAC)	1.3567E-01	1.5531E-04	0.0	9.8542E-02	1.6427E-01	1.4366E-04	0.0	1.1391E-01
JAERI(VIM)	1.3327E-01	1.6226E-04	5.2735E-07	9.7025E-02	1.6177E-01	1.4471E-04	6.0101E-07	1.1237E-01
KFK(NEWEST)	1.2850E-01	0.0	0.0	9.4408E-02	1.5617E-01	0.0	0.0	1.0907E-01
KFK(1985LIB.)	1.2595E-01	0.0	0.0	9.2610E-02	1.5307E-01	0.0	0.0	1.0694E-01
MAPI-CRC	1.3433E-01	1.5989E-04	5.2710E-07	9.7780E-02	1.6484E-01	1.3973E-04	6.0151E-07	1.1483E-01
NAIG	1.3100E-01	0.0	0.0	9.6100E-02	1.5700E-01	0.0	0.0	1.0960E-01
PNC	1.2432E-01	0.0	0.0	9.0391E-02	1.5442E-01	0.0	0.0	1.0662E-01
PSI(BOXER)	1.2737E-01	1.3452E-04	2.9001E-07	9.3123E-02	1.5809E-01	1.2297E-04	2.1427E-07	1.0906E-01
PSI(DANDE)	1.2636E-01	1.4627E-04	5.2866E-07	9.1359E-02	1.5663E-01	1.3796E-04	6.0217E-07	1.0790E-01
STUDSVIK	1.3700E-01	0.0	0.0	1.0000E-01	1.6700E-01	0.0	0.0	1.1600E-01
TUBS(DATUBS4)	9.5010E-02	2.4263E-05	0.0	7.1908E-02	1.1469E-01	2.1702E-05	0.0	8.1686E-02
TUBS(DATUBS5)	9.8861E-02	1.4672E-04	5.7817E-07	7.4762E-02	1.1888E-01	1.3191E-04	6.6975E-07	8.4652E-02
VA.TECH	1.2560E-01	9.3605E-05	3.1225E-08	9.1348E-02	1.6066E-01	8.0355E-05	2.3387E-08	1.1024E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1451E-01

FISSION CROSS SECTION OF PU239 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.6981E+00	1.3483E+01	9.0122E+01	6.2977E+00	1.7362E+00	1.6142E+01	1.4422E+02	1.1333E+01
CEA	0.0	0.0	0.0	6.4954E+00	0.0	0.0	0.0	0.0
GKSS	1.6994E+00	1.3177E+01	9.4903E+01	6.3146E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	1.6958E+00	1.3330E+01	9.6104E+01	6.4173E+00	1.7238E+00	1.6042E+01	1.5272E+02	1.1606E+01
HITACHI(J2)	1.7393E+00	1.3332E+01	9.6589E+01	6.5202E+00	1.7683E+00	1.6049E+01	1.5338E+02	1.1767E+01
IKE	1.7337E+00	1.3582E+01	9.7224E+01	6.4846E+00	1.7678E+00	1.6267E+01	1.5391E+02	1.1662E+01
JAERI(SRAC)	1.7390E+00	1.3302E+01	9.4591E+01	6.3860E+00	1.7714E+00	1.5901E+01	1.5148E+02	1.1524E+01
JAERI(VIM)	1.7350E+00	1.3439E+01	9.2888E+01	6.4553E+00	1.7630E+00	1.6037E+01	1.4592E+02	1.1581E+01
KFK(NEWEST)	1.7063E+00	1.3677E+01	9.3835E+01	6.2881E+00	1.7343E+00	1.6341E+01	1.4862E+02	1.1372E+01
KFK(1985LIB.)	1.7053E+00	1.3666E+01	9.7571E+01	6.2011E+00	1.7334E+00	1.6341E+01	1.5175E+02	1.1183E+01
MAPI-CRC	1.7375E+00	1.3060E+01	9.1922E+01	6.3208E+00	1.7710E+00	1.5722E+01	1.4641E+02	1.1333E+01
NAIG	1.7130E+00	1.3333E+01	9.4164E+01	6.2868E+00	1.7410E+00	1.5860E+01	1.5024E+02	1.1302E+01
PNC	1.7344E+00	1.4318E+01	1.1583E+02	7.1588E+00	1.7669E+00	1.7002E+01	1.7570E+02	1.3317E+01
PSI(BOXER)	1.7164E+00	1.3385E+01	8.7842E+01	6.2386E+00	1.7640E+00	1.5863E+01	1.2936E+02	1.1243E+01
PSI(DANDE)	1.7344E+00	1.3279E+01	9.4498E+01	6.4987E+00	1.7675E+00	1.5855E+01	1.4940E+02	1.1729E+01
STUDSVIK	1.7040E+00	0.0	0.0	6.2510E+00	1.7320E+00	0.0	0.0	1.1137E+01
TUBS(DATUBS4)	1.6354E+00	1.3502E+01	1.1521E+02	7.0857E+00	1.6423E+00	1.5966E+01	1.8304E+02	1.4409E+01
TUBS(DATUBS5)	1.6647E+00	1.3345E+01	1.2456E+02	7.1878E+00	1.6709E+00	1.5839E+01	1.9781E+02	1.4830E+01
VA.TECH	1.7144E+00	1.3159E+01	8.5599E+01	6.3167E+00	1.7670E+00	1.5781E+01	1.2372E+02	1.1291E+01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1240E+01

FISSION CROSS SECTION OF PU240 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	7.3785E-01	1.8671E-01	4.5873E-02	5.9072E-01	8.2726E-01	1.8565E-01	5.4228E-02	6.3129E-01
CEA	0.0	0.0	0.0	5.2748E-01	0.0	0.0	0.0	0.0
GKSS	7.3815E-01	1.4418E-01	4.2440E-02	5.7586E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	7.2311E-01	1.8193E-01	4.9683E-02	5.7355E-01	8.1307E-01	1.8005E-01	5.7494E-02	6.1451E-01
HITACHI(J2)	7.4408E-01	2.1093E-01	5.0965E-02	5.9395E-01	8.3530E-01	2.0966E-01	5.8520E-02	6.3625E-01
IKE	7.5315E-01	2.1695E-01	5.1414E-02	6.0427E-01	8.5202E-01	2.1311E-01	5.9404E-02	6.5128E-01
JAERI(SRAC)	7.5762E-01	2.1223E-01	5.0674E-02	6.0526E-01	8.5097E-01	2.0861E-01	5.8146E-02	6.4785E-01
JAERI(VIM)	7.5053E-01	2.1319E-01	4.9416E-02	6.0106E-01	8.4083E-01	2.1167E-01	5.7260E-02	6.4207E-01
KFK(NEWEST)	7.3006E-01	1.3746E-01	4.8786E-02	5.7128E-01	8.1132E-01	1.3942E-01	5.6124E-02	6.0540E-01
KFK(1985LIB.)	7.2502E-01	1.3745E-01	5.0805E-02	5.6812E-01	8.0565E-01	1.3942E-01	5.7304E-02	6.0182E-01
MAPI-CRC	7.5392E-01	2.0617E-01	5.0390E-02	6.0174E-01	8.5024E-01	2.0607E-01	5.8140E-02	6.4862E-01
NAIG	7.6200E-01	9.6000E-02	4.9000E-02	5.8330E-01	8.4800E-01	9.3000E-02	5.7000E-02	6.1880E-01
PNC	7.4816E-01	2.2121E-01	1.1256E-01	6.0224E-01	8.3645E-01	2.2190E-01	1.2164E-01	6.4221E-01
PSI(BOXER)	7.5313E-01	1.7859E-01	4.7329E-02	5.9603E-01	8.5106E-01	1.7387E-01	5.0434E-02	6.3549E-01
PSI(DANDE)	7.3496E-01	2.0672E-01	5.2014E-02	5.8555E-01	8.2957E-01	2.0714E-01	5.9856E-02	6.2973E-01
STUDSVIK	7.0400E-01	0.0	0.0	5.6300E-01	7.8900E-01	0.0	0.0	6.0500E-01
TUBS(DATUBS4)	6.2747E-01	1.7463E-01	4.7628E-02	5.2054E-01	6.9786E-01	1.7011E-01	4.9489E-02	5.4631E-01
TUBS(DATUBS5)	6.3071E-01	2.0745E-01	5.2842E-02	5.3295E-01	7.0338E-01	2.0353E-01	5.8132E-02	5.6154E-01
VA.TECH	7.3955E-01	1.8235E-01	4.2545E-02	5.8468E-01	8.4650E-01	1.8095E-01	4.7302E-02	6.3146E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7520E-01

FISSION CROSS SECTION OF PU241 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.9002E+00	3.3186E+01	8.3700E+01	1.1244E+01	1.8996E+00	4.1371E+01	1.3388E+02	1.7666E+01
CEA	0.0	0.0	0.0	1.0732E+01	0.0	0.0	0.0	0.0
GKSS	1.8965E+00	3.2044E+01	9.0383E+01	1.1120E+01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.8966E+00	3.2475E+01	9.0549E+01	1.1298E+01	1.8855E+00	4.0031E+01	1.4408E+02	1.7744E+01
HITACHI(J2)	1.9481E+00	3.1542E+01	9.1636E+01	1.1255E+01	1.9314E+00	3.9518E+01	1.4608E+02	1.7866E+01
IKE	1.9414E+00	3.0889E+01	9.0519E+01	1.0904E+01	1.9254E+00	3.9040E+01	1.4454E+02	1.7425E+01
JAERI(SRAC)	1.9457E+00	3.0834E+01	8.9671E+01	1.0931E+01	1.9304E+00	3.8841E+01	1.4498E+02	1.7497E+01
JAERI(VIM)	1.9364E+00	3.0575E+01	8.8565E+01	1.0853E+01	1.9170E+00	3.8608E+01	1.3883E+02	1.7341E+01
KFK(NEWEST)	1.9053E+00	3.1084E+01	8.6394E+01	1.0617E+01	1.8924E+00	3.9748E+01	1.3798E+02	1.7194E+01
KFK(1985LIB.)	1.9072E+00	3.1060E+01	8.9105E+01	1.0544E+01	1.8947E+00	3.9748E+01	1.4045E+02	1.7056E+01
MAPI-CRC	1.9356E+00	3.0788E+01	8.7555E+01	1.0873E+01	1.9221E+00	3.9544E+01	1.3966E+02	1.7425E+01
NAIG	1.9260E+00	3.2382E+01	8.7360E+01	1.1062E+01	1.9100E+00	4.0859E+01	1.4051E+02	1.7580E+01
PNC	1.9285E+00	3.2616E+01	1.0242E+02	1.1674E+01	1.9211E+00	4.0785E+01	1.5893E+02	1.9049E+01
PSI(BOXER)	1.9030E+00	3.1397E+01	8.1666E+01	1.0772E+01	1.9158E+00	3.9037E+01	1.2121E+02	1.7157E+01
PSI(DANDE)	1.9461E+00	3.1806E+01	8.8005E+01	1.1312E+01	1.9318E+00	4.0063E+01	1.3942E+02	1.7966E+01
STUDSVIK	1.9270E+00	0.0	0.0	1.1476E+01	1.9080E+00	0.0	0.0	1.7859E+01
TUBS(DATUBS4)	1.9477E+00	3.1751E+01	1.4124E+02	1.2115E+01	1.9109E+00	3.9895E+01	2.0006E+02	2.1223E+01
TUBS(DATUBS5)	1.9922E+00	3.0513E+01	1.5253E+02	1.1985E+01	1.9466E+00	3.8967E+01	2.1816E+02	2.1564E+01
VA.TECH	1.9122E+00	3.0836E+01	8.0828E+01	1.0830E+01	1.9230E+00	3.8375E+01	1.1758E+02	1.7165E+01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7414E+01

FISSION CROSS SECTION OF PU242 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.3677E-01	0.0	0.0	4.6056E-01	7.2513E-01	0.0	0.0	5.1104E-01
CEA	0.0	0.0	0.0	4.2977E-01	0.0	0.0	0.0	0.0
GKSS	6.3677E-01	0.0	0.0	4.6480E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	6.1920E-01	0.0	0.0	4.5100E-01	7.0952E-01	0.0	0.0	4.9239E-01
HITACHI(J2)	5.8365E-01	2.6298E-02	1.4934E-01	4.3216E-01	6.6409E-01	2.6476E-02	1.3441E-01	4.7187E-01
IKE	5.9156E-01	2.6674E-02	1.3316E-01	4.3985E-01	6.7846E-01	2.6092E-02	1.1908E-01	4.8347E-01
JAERI(SRAC)	5.9685E-01	2.7736E-02	1.4838E-01	4.4313E-01	6.7904E-01	2.7354E-02	1.3452E-01	4.8334E-01
JAERI(VIM)	5.8915E-01	2.7677E-02	1.4231E-01	4.3850E-01	6.6875E-01	2.6936E-02	1.3364E-01	4.7709E-01
KFK(NEWEST)	5.8513E-01	1.2277E-02	7.0295E-05	4.3293E-01	6.6023E-01	1.2385E-02	6.4858E-05	4.6437E-01
KFK(1985LIB.)	5.8056E-01	1.2271E-02	6.9814E-05	4.2993E-01	6.5509E-01	1.2385E-02	6.4263E-05	4.6095E-01
MAPI-CRC	5.9149E-01	2.6209E-02	1.3259E-01	4.3954E-01	6.7652E-01	2.6616E-02	1.2789E-01	4.8328E-01
NAIG	6.0600E-01	2.7000E-02	1.5200E-01	4.5390E-01	6.8300E-01	2.7000E-02	1.4100E-01	4.8980E-01
PNC	5.8674E-01	2.7329E-02	3.5481E-01	4.4054E-01	6.6457E-01	2.7261E-02	2.8474E-01	4.7857E-01
PSI(BOXER)	6.4921E-01	0.0	0.0	4.7448E-01	7.4706E-01	0.0	0.0	5.1520E-01
PSI(DANDE)	5.7478E-01	2.5292E-02	1.4476E-01	4.2471E-01	6.5900E-01	2.5100E-02	1.2804E-01	4.6594E-01
STUDSVIK	6.3800E-01	0.0	0.0	4.6600E-01	7.2900E-01	0.0	0.0	5.0900E-01
TUBS(DATUBS4)	4.9961E-01	2.3752E-02	1.2959E-04	3.8387E-01	5.6162E-01	2.2962E-02	1.5951E-04	4.0603E-01
TUBS(DATUBS5)	4.9597E-01	3.3628E-02	1.4291E-01	3.8437E-01	5.5917E-01	3.8987E-02	1.1546E-01	4.1034E-01
VA.TECH	6.3595E-01	0.0	0.0	4.6240E-01	7.4417E-01	0.0	0.0	5.1051E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9410E-01

PRODUCTION CROSS SECTION OF U235 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.6791E+00	4.1234E+01	1.0408E+02	1.4928E+01	3.6971E+00	4.6403E+01	1.4880E+02	2.0832E+01
CEA	0.0	0.0	0.0	1.4569E+01	0.0	0.0	0.0	0.0
GKSS	3.6742E+00	3.6500E+01	1.2088E+02	1.4104E+01	0.0	0.0	0.0	0.0
HITACHI(B4)	3.6689E+00	4.1079E+01	1.1209E+02	1.5173E+01	3.6685E+00	4.6064E+01	1.6025E+02	2.1232E+01
HITACHI(J2)	3.7369E+00	4.0438E+01	1.1201E+02	1.5222E+01	3.7369E+00	4.5307E+01	1.6142E+02	2.1286E+01
IKE	3.6590E+00	4.0975E+01	1.1074E+02	1.5082E+01	3.6666E+00	4.6623E+01	1.5845E+02	2.1197E+01
JAERI(SRAC)	3.7366E+00	4.0718E+01	1.0908E+02	1.5112E+01	3.7425E+00	4.5895E+01	1.5388E+02	2.1151E+01
JAERI(VIM)	3.7234E+00	4.0359E+01	1.0749E+02	1.4994E+01	3.7216E+00	4.5730E+01	1.5184E+02	2.1017E+01
KFK(NEWEST)	3.7016E+00	3.9397E+01	1.0164E+02	1.4263E+01	3.7041E+00	4.5023E+01	1.5266E+02	2.0423E+01
KFK(1985LIB.)	3.7021E+00	3.9367E+01	1.0437E+02	1.4173E+01	3.7046E+00	4.5025E+01	1.5507E+02	2.0259E+01
MAPI-CRC	3.7287E+00	3.8836E+01	1.0613E+02	1.4568E+01	3.7380E+00	4.3657E+01	1.5284E+02	2.0311E+01
NAIG	3.6600E+00	4.2166E+01	1.0476E+02	1.5085E+01	3.6600E+00	4.7481E+01	1.5198E+02	2.0989E+01
PNC	3.9500E+00	3.9288E+01	1.1503E+02	1.5079E+01	3.9576E+00	4.4527E+01	1.6410E+02	2.1674E+01
PSI(BOXER)	4.0324E+00	4.4467E+01	1.0678E+02	1.6068E+01	4.1724E+00	5.1359E+01	1.4775E+02	2.3185E+01
PSI(DANDE)	3.6621E+00	4.0196E+01	1.0587E+02	1.5063E+01	3.6713E+00	4.5360E+01	1.5218E+02	2.1126E+01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.8681E+00	4.0104E+01	1.3065E+02	1.5920E+01	3.8657E+00	4.5553E+01	1.9005E+02	2.4400E+01
TUBS(DATUBS5)	3.8611E+00	3.9190E+01	1.2897E+02	1.5629E+01	3.8534E+00	4.4800E+01	1.8663E+02	2.3818E+01
VA.TECH	3.7066E+00	3.9394E+01	9.8900E+01	1.4666E+01	3.7526E+00	4.5049E+01	1.3610E+02	2.1085E+01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF U238 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.5376E-01	0.0	3.7933E-10	2.6032E-01	4.3916E-01	0.0	3.2537E-10	3.1063E-01
CEA	0.0	0.0	0.0	2.5485E-01	0.0	0.0	0.0	0.0
GKSS	3.5781E-01	5.9627E-07	0.0	2.6118E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	3.3310E-01	1.8877E-04	1.0160E-07	2.4259E-01	4.1448E-01	1.7336E-04	8.6778E-08	2.8771E-01
HITACHI(J2)	3.5718E-01	3.3038E-04	1.2419E-06	2.5871E-01	4.3450E-01	3.1678E-04	1.4315E-06	3.0066E-01
IKE	3.7145E-01	3.2949E-04	1.2382E-06	2.7050E-01	4.6146E-01	3.0867E-04	1.4185E-06	3.2099E-01
JAERI(SRAC)	3.7935E-01	3.6022E-04	0.0	2.7552E-01	4.6157E-01	3.3321E-04	0.0	3.2003E-01
JAERI(VIM)	3.7241E-01	3.7639E-04	1.2232E-06	2.7111E-01	4.5484E-01	3.3569E-04	1.3940E-06	3.1594E-01
KFK(NEWEST)	3.5932E-01	0.0	0.0	2.6399E-01	4.3861E-01	0.0	0.0	3.0635E-01
KFK(1985LIB.)	3.5159E-01	0.0	0.0	2.5852E-01	4.2912E-01	0.0	0.0	2.9980E-01
MAPI-CRC	3.7640E-01	3.3982E-04	1.2227E-06	2.7394E-01	4.6398E-01	3.2411E-04	1.3949E-06	3.2316E-01
NAIG	3.6800E-01	0.0	0.0	2.6930E-01	4.4100E-01	0.0	0.0	3.0800E-01
PNC	3.4618E-01	0.0	0.0	2.5171E-01	4.3201E-01	0.0	0.0	2.9841E-01
PSI(BOXER)	3.8898E-01	3.4104E-04	7.3522E-07	2.8437E-01	4.9590E-01	3.1843E-04	5.5481E-07	3.4207E-01
PSI(DANDE)	3.5250E-01	3.3930E-04	1.2252E-06	2.5484E-01	4.3901E-01	3.2002E-04	1.3957E-06	3.0241E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.4163E-01	5.6279E-05	0.0	2.5862E-01	4.2568E-01	5.0341E-05	0.0	3.0312E-01
TUBS(DATUBS5)	3.5366E-01	3.4031E-04	1.3409E-06	2.6733E-01	4.3814E-01	3.0603E-04	1.5534E-06	3.1204E-01
VA.TECH	3.5052E-01	2.1713E-04	7.2427E-08	2.5492E-01	4.5146E-01	1.8639E-04	5.4247E-08	3.0976E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF PU239 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.1447E+00	3.8758E+01	2.5895E+02	1.8272E+01	5.2904E+00	4.6383E+01	4.1441E+02	3.2777E+01
CEA	0.0	0.0	0.0	1.8658E+01	0.0	0.0	0.0	0.0
GKSS	5.1437E+00	3.7863E+01	2.7407E+02	1.8360E+01	0.0	0.0	0.0	0.0
HITACHI(B4)	5.1179E+00	3.8302E+01	2.7619E+02	1.8615E+01	5.2438E+00	4.6088E+01	4.3890E+02	3.3559E+01
HITACHI(J2)	5.2713E+00	3.8399E+01	2.7833E+02	1.8970E+01	5.4026E+00	4.6235E+01	4.4183E+02	3.4120E+01
IKE	5.2262E+00	3.8472E+01	2.7896E+02	1.8663E+01	5.3732E+00	4.6062E+01	4.4170E+02	3.3513E+01
JAERI(SRAC)	5.2848E+00	3.8311E+01	2.7248E+02	1.8594E+01	5.4287E+00	4.5798E+01	4.3636E+02	3.3419E+01
JAERI(VIM)	5.2681E+00	3.8715E+01	2.6757E+02	1.8792E+01	5.4001E+00	4.6198E+01	4.2035E+02	3.3585E+01
KFK(NEWEST)	5.1843E+00	3.9453E+01	2.7064E+02	1.8331E+01	5.3115E+00	4.7136E+01	4.2859E+02	3.3014E+01
KFK(1985LIB.)	5.1769E+00	3.9422E+01	2.8141E+02	1.8076E+01	5.3030E+00	4.7137E+01	4.3760E+02	3.2465E+01
MAPI-CRC	5.2771E+00	3.7608E+01	2.6474E+02	1.8403E+01	5.4262E+00	4.5279E+01	4.2181E+02	3.2867E+01
NAIG	5.2090E+00	3.8397E+01	2.7199E+02	1.8321E+01	5.3330E+00	4.5673E+01	4.3408E+02	3.2827E+01
PNC	5.2508E+00	4.1234E+01	3.3355E+02	2.0806E+01	5.3935E+00	4.8973E+01	5.0615E+02	3.8558E+01
PSI(BOXER)	5.6755E+00	4.2036E+01	2.7585E+02	1.9800E+01	6.0068E+00	5.0883E+01	4.1491E+02	3.6305E+01
PSI(DANDE)	5.2187E+00	3.7616E+01	2.7113E+02	1.8696E+01	5.3600E+00	4.4894E+01	4.2878E+02	3.3697E+01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	5.1659E+00	3.8797E+01	3.3099E+02	2.0715E+01	5.3098E+00	4.5875E+01	5.2601E+02	4.1805E+01
TUBS(DATUBS5)	5.2316E+00	3.7814E+01	3.5737E+02	2.0836E+01	5.3711E+00	4.4869E+01	5.6764E+02	4.2797E+01
VA.TECH	5.1809E+00	3.7812E+01	2.4595E+02	1.8336E+01	5.3895E+00	4.5344E+01	3.5550E+02	3.2657E+01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF PU240 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.3146E+00	5.5031E-01	1.3233E-01	1.8322E+00	2.6248E+00	5.3741E-01	1.5851E-01	1.9740E+00
CEA	0.0	0.0	0.0	1.6299E+00	0.0	0.0	0.0	0.0
GKSS	2.3263E+00	4.1379E-01	1.2179E-01	1.8044E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	2.2705E+00	5.2208E-01	1.4260E-01	1.7873E+00	2.5694E+00	5.1681E-01	1.6496E-01	1.9268E+00
HITACHI(J2)	2.2822E+00	5.8695E-01	1.4188E-01	1.8059E+00	2.5792E+00	5.8373E-01	1.6288E-01	1.9459E+00
IKE	2.3155E+00	6.0399E-01	1.4313E-01	1.8415E+00	2.6393E+00	5.9329E-01	1.6537E-01	1.9990E+00
JAERI(SRAC)	2.3326E+00	5.9086E-01	1.4107E-01	1.8472E+00	2.6376E+00	5.8078E-01	1.6187E-01	1.9898E+00
JAERI(VIM)	2.3088E+00	5.9350E-01	1.3756E-01	1.8331E+00	2.6059E+00	5.8927E-01	1.5940E-01	1.9716E+00
KFK(NEWEST)	2.3268E+00	3.9591E-01	1.4043E-01	1.8101E+00	2.6051E+00	4.0158E-01	1.6155E-01	1.9310E+00
KFK(1985LIB.)	2.3079E+00	3.9591E-01	1.4624E-01	1.7978E+00	2.5831E+00	4.0158E-01	1.6495E-01	1.9169E+00
MAPI-CRC	2.3207E+00	5.7399E-01	1.4027E-01	1.8373E+00	2.6370E+00	5.7386E-01	1.6185E-01	1.9931E+00
NAIG	2.3620E+00	2.7000E-01	1.3900E-01	1.8007E+00	2.6430E+00	2.6000E-01	1.6000E-01	1.9211E+00
PNC	2.2873E+00	6.1596E-01	3.1343E-01	1.8252E+00	2.5778E+00	6.1792E-01	3.3855E-01	1.9600E+00
PSI(BOXER)	2.5902E+00	5.6016E-01	1.4050E-01	2.0361E+00	3.0110E+00	5.5706E-01	1.6157E-01	2.2321E+00
PSI(DANDE)	2.2549E+00	5.7550E-01	1.3598E-01	1.7810E+00	2.5644E+00	5.7666E-01	1.6663E-01	1.9286E+00
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.1852E+00	5.0128E-01	1.3665E-01	1.7852E+00	2.4961E+00	4.8816E-01	1.4199E-01	1.9189E+00
TUBS(DATUBS5)	2.1580E+00	5.7743E-01	1.4715E-01	1.7872E+00	2.4726E+00	5.6653E-01	1.6185E-01	1.9299E+00
VA.TECH	2.3252E+00	5.2334E-01	1.2209E-01	1.8254E+00	2.6840E+00	5.1931E-01	1.3575E-01	1.9869E+00
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF PU241 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.8017E+00	9.7307E+01	2.4543E+02	3.3130E+01	5.8317E+00	1.2156E+02	3.9256E+02	5.2006E+01
CEA	0.0	0.0	0.0	3.1935E+01	0.0	0.0	0.0	0.0
GKSS	5.7985E+00	9.3965E+01	2.7157E+02	3.2902E+01	0.0	0.0	0.0	0.0
HITACHI(B4)	5.7841E+00	9.5210E+01	2.6551E+02	3.3291E+01	5.7909E+00	1.1741E+02	4.2254E+02	5.2219E+01
HITACHI(J2)	5.9356E+00	9.2510E+01	2.6862E+02	3.3155E+01	5.9204E+00	1.1589E+02	4.2840E+02	5.2560E+01
IKE	5.9218E+00	9.0579E+01	2.6543E+02	3.2140E+01	5.9161E+00	1.1448E+02	4.2383E+02	5.1284E+01
JAERI(SRAC)	5.9379E+00	9.0417E+01	2.6294E+02	3.2222E+01	5.9317E+00	1.1389E+02	4.2513E+02	5.1494E+01
JAERI(VIM)	5.9075E+00	8.9656E+01	2.5969E+02	3.1992E+01	5.8896E+00	1.1321E+02	4.0711E+02	5.1035E+01
KFK(NEWEST)	5.8023E+00	9.0912E+01	2.5253E+02	3.1216E+01	5.8019E+00	1.1624E+02	4.0326E+02	5.0462E+01
KFK(1985LIB.)	5.8041E+00	9.0839E+01	2.6045E+02	3.1002E+01	5.8039E+00	1.1624E+02	4.1050E+02	5.0055E+01
MAPI-CRC	5.9088E+00	9.0290E+01	2.5671E+02	3.2059E+01	5.9093E+00	1.1598E+02	4.0938E+02	5.1284E+01
NAIG	5.8820E+00	9.4954E+01	2.5617E+02	3.2610E+01	5.8710E+00	1.1981E+02	4.1200E+02	5.1738E+01
PNC	5.8735E+00	9.5656E+01	3.0038E+02	3.4402E+01	5.8899E+00	1.1960E+02	4.6594E+02	5.6024E+01
PSI(BOXER)	6.3594E+00	1.0063E+02	2.6173E+02	3.4712E+01	6.5872E+00	1.2779E+02	3.9680E+02	5.6380E+01
PSI(DANDE)	5.9273E+00	9.3266E+01	2.5806E+02	3.3330E+01	5.9244E+00	1.1748E+02	4.0883E+02	5.2861E+01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	6.1363E+00	9.3111E+01	4.1418E+02	3.5834E+01	6.1401E+00	1.1696E+02	5.8658E+02	6.2607E+01
TUBS(DATUBS5)	6.2444E+00	8.9485E+01	4.4735E+02	3.5454E+01	6.2136E+00	1.1422E+02	6.3963E+02	6.3599E+01
VA.TECH	5.8399E+00	9.0423E+01	2.3701E+02	3.1927E+01	5.9216E+00	1.1252E+02	3.4476E+02	5.0525E+01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF PU242 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.9710E+00	0.0	0.0	1.4418E+00	2.2775E+00	0.0	0.0	1.5832E+00
CEA	0.0	0.0	0.0	1.3430E+00	0.0	0.0	0.0	0.0
GKSS	1.9829E+00	0.0	0.0	1.4474E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	1.9180E+00	0.0	0.0	1.3969E+00	2.2138E+00	0.0	0.0	1.5365E+00
HITACHI(J2)	1.8044E+00	7.3845E-02	4.1934E-01	1.3338E+00	2.0643E+00	7.4347E-02	3.7735E-01	1.4630E+00
IKE	1.8334E+00	7.4904E-02	3.7390E-01	1.3605E+00	2.1161E+00	7.3268E-02	3.3438E-01	1.5043E+00
JAERI(SRAC)	1.8522E+00	7.7885E-02	4.1666E-01	1.3723E+00	2.1191E+00	7.6813E-02	3.7774E-01	1.5045E+00
JAERI(VIM)	1.8272E+00	7.7723E-02	3.9959E-01	1.3571E+00	2.0872E+00	7.5639E-02	3.7527E-01	1.4851E+00
KFK(NEWEST)	1.8765E+00	3.5373E-02	2.0256E-04	1.3874E+00	2.1309E+00	3.5683E-02	1.8688E-04	1.4977E+00
KFK(1985LIB.)	1.8595E+00	3.5356E-02	2.0118E-04	1.3761E+00	2.1113E+00	3.5683E-02	1.8517E-04	1.4845E+00
MAPI-CRC	1.8355E+00	7.3604E-02	3.7228E-01	1.3617E+00	2.1131E+00	7.4739E-02	3.5915E-01	1.5051E+00
NAIG	1.8810E+00	7.5000E-02	4.2800E-01	1.4050E+00	2.1290E+00	7.5000E-02	3.9600E-01	1.5228E+00
PNC	1.8092E+00	7.6749E-02	9.9597E-01	1.3547E+00	2.0630E+00	7.6547E-02	7.9948E-01	1.4790E+00
PSI(BOXER)	2.2046E+00	0.0	0.0	1.6113E+00	2.6102E+00	0.0	0.0	1.8001E+00
PSI(DANDE)	1.7784E+00	7.1023E-02	4.0647E-01	1.3114E+00	2.0518E+00	7.0485E-02	3.5955E-01	1.4470E+00
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.7466E+00	6.6745E-02	3.6407E-04	1.3386E+00	2.0181E+00	6.4538E-02	4.4817E-04	1.4540E+00
TUBS(DATUBS5)	1.7223E+00	9.4437E-02	4.0121E-01	1.3286E+00	1.9926E+00	1.0944E-01	3.2428E-01	1.4530E+00
VA.TECH	1.9746E+00	0.0	0.0	1.4357E+00	2.3310E+00	0.0	0.0	1.5991E+00
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION CROSS SECTION OF U235 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.7486E+00	2.5888E+01	5.2348E+01	8.5301E+00	1.7159E+00	2.9843E+01	7.5088E+01	1.1814E+01
CEA	0.0	0.0	0.0	8.1764E+00	0.0	0.0	0.0	0.0
GKSS	1.7400E+00	2.5081E+01	6.0083E+01	8.5286E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	1.7484E+00	2.5677E+01	5.6287E+01	8.6606E+00	1.7187E+00	2.9406E+01	8.1234E+01	1.2012E+01
HITACHI(J2)	1.7939E+00	2.6395E+01	5.6889E+01	8.9713E+00	1.7705E+00	3.0432E+01	8.2529E+01	1.2515E+01
IKE	1.7429E+00	2.5538E+01	5.5610E+01	8.5987E+00	1.7149E+00	2.9684E+01	8.0011E+01	1.2017E+01
JAERI(SRAC)	1.7861E+00	2.6479E+01	5.4990E+01	8.8954E+00	1.7591E+00	3.0625E+01	8.0200E+01	1.2373E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.7532E+00	2.5014E+01	5.0647E+01	8.2065E+00	1.7234E+00	2.9260E+01	7.7304E+01	1.1695E+01
KFK(1985LIB.)	1.7541E+00	2.4964E+01	5.1798E+01	8.1372E+00	1.7251E+00	2.9185E+01	7.8033E+01	1.1552E+01
MAPI-CRC	1.7739E+00	2.5526E+01	5.3296E+01	8.5691E+00	1.7455E+00	2.9474E+01	7.7239E+01	1.1854E+01
NAIG	1.7240E+00	2.5638E+01	5.2621E+01	8.4218E+00	1.6960E+00	2.9673E+01	7.6914E+01	1.1749E+01
PNC	1.8790E+00	2.4593E+01	5.7810E+01	8.5391E+00	1.8507E+00	2.8605E+01	8.3281E+01	1.2254E+01
PSI(BOXER)	1.7447E+00	2.5079E+01	4.8510E+01	8.2749E+00	1.7339E+00	2.8995E+01	6.6612E+01	1.1680E+01
PSI(DANDE)	1.7485E+00	2.5198E+01	5.3089E+01	8.5702E+00	1.7213E+00	2.9087E+01	7.6549E+01	1.1906E+01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.8780E+00	2.4976E+01	6.4099E+01	9.0066E+00	1.8415E+00	2.9083E+01	9.3837E+01	1.3567E+01
TUBS(DATUBS5)	1.8810E+00	2.4475E+01	6.3449E+01	8.8554E+00	1.8435E+00	2.8673E+01	9.2341E+01	1.3266E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1617E+01

ABSORPTION CROSS SECTION OF U238 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.9312E-01	1.9249E+00	5.2690E-01	7.0083E-01	3.0640E-01	2.2746E+00	5.7345E-01	8.3166E-01
CEA	0.0	0.0	0.0	6.7155E-01	0.0	0.0	0.0	0.0
GKSS	2.9906E-01	1.8006E+00	2.1785E-01	6.7165E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	2.9212E-01	1.7908E+00	5.5238E-01	6.7222E-01	3.0896E-01	2.1149E+00	6.0254E-01	7.9622E-01
HITACHI(J2)	2.9542E-01	1.7471E+00	5.3956E-01	6.6892E-01	3.1409E-01	2.0697E+00	5.9497E-01	7.9305E-01
IKE	3.0476E-01	1.8447E+00	5.3687E-01	6.9603E-01	3.2773E-01	2.1814E+00	5.8827E-01	8.2661E-01
JAERI(SRAC)	3.0146E-01	1.8311E+00	5.5178E-01	6.9301E-01	3.1976E-01	2.1445E+00	6.0223E-01	8.1589E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.0752E-01	1.8810E+00	5.3581E-01	6.9693E-01	3.2430E-01	2.1162E+00	5.9453E-01	8.0216E-01
KFK(1985LIB.)	3.0641E-01	1.8772E+00	5.3425E-01	6.9517E-01	3.2295E-01	2.1096E+00	5.9164E-01	8.0086E-01
MAPI-CRC	2.9241E-01	1.8120E+00	5.3182E-01	6.7630E-01	3.1008E-01	2.2142E+00	5.8006E-01	8.1763E-01
NAIG	3.0900E-01	1.7670E+00	5.3200E-01	6.7160E-01	3.2500E-01	2.0820E+00	5.8500E-01	7.9160E-01
PNC	3.1445E-01	5.5579E+00	5.4086E-01	1.6319E+00	3.3183E-01	6.9843E+00	5.9585E-01	2.1092E+00
PSI(BOXER)	2.8880E-01	1.7815E+00	4.6140E-01	6.6036E-01	3.0874E-01	2.0591E+00	4.8342E-01	7.7954E-01
PSI(DANDE)	2.9451E-01	1.8250E+00	5.3562E-01	6.8939E-01	3.1447E-01	2.1711E+00	5.8201E-01	8.2370E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.1829E-01	1.7178E+00	6.1886E-01	6.8701E-01	3.3592E-01	1.9984E+00	6.6750E-01	8.2094E-01
TUBS(DATUBS5)	3.1849E-01	1.8062E+00	6.1842E-01	7.1564E-01	3.3571E-01	2.1107E+00	6.6475E-01	8.5701E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0584E-01

ABSORPTION CROSS SECTION OF PU239 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.9002E+00	2.3679E+01	1.3711E+02	9.4411E+00	1.9099E+00	2.8955E+01	2.3501E+02	1.7695E+01
CEA	0.0	0.0	0.0	9.5404E+00	0.0	0.0	0.0	0.0
GKSS	1.8914E+00	2.2630E+01	1.4653E+02	9.4749E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	1.8929E+00	2.3560E+01	1.4806E+02	9.7696E+00	1.9068E+00	2.8991E+01	2.4961E+02	1.8357E+01
HITACHI(J2)	1.9520E+00	2.3754E+01	1.4728E+02	9.9211E+00	1.9720E+00	2.9382E+01	2.5157E+02	1.8870E+01
IKE	1.9510E+00	2.3431E+01	1.4646E+02	9.6829E+00	1.9696E+00	2.8406E+01	2.4886E+02	1.8155E+01
JAERI(SRAC)	1.9529E+00	2.3684E+01	1.4329E+02	9.7255E+00	1.9692E+00	2.8967E+01	2.4788E+02	1.8345E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.8863E+00	2.3975E+01	1.4183E+02	9.4449E+00	1.9000E+00	2.9328E+01	2.4172E+02	1.7885E+01
KFK(1985LIB.)	1.8863E+00	2.3874E+01	1.4727E+02	9.2737E+00	1.9001E+00	2.9184E+01	2.4538E+02	1.7427E+01
MAPI-CRC	1.9447E+00	2.3228E+01	1.3912E+02	9.5483E+00	1.9600E+00	2.8429E+01	2.3829E+02	1.7836E+01
NAIG	1.9000E+00	2.3178E+01	1.4372E+02	9.4017E+00	1.9130E+00	2.8278E+01	2.4687E+02	1.7799E+01
PNC	1.9417E+00	2.5663E+01	1.7900E+02	1.0953E+01	1.9600E+00	3.0831E+01	2.8625E+02	2.1132E+01
PSI(BOXER)	1.9074E+00	2.3601E+01	1.3360E+02	9.4221E+00	1.9408E+00	2.8541E+01	2.1109E+02	1.7781E+01
PSI(DANDE)	1.9514E+00	2.2965E+01	1.4348E+02	9.6106E+00	1.9682E+00	2.8205E+01	2.4267E+02	1.8118E+01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.9649E+00	2.3679E+01	1.7628E+02	1.0833E+01	1.9773E+00	2.8517E+01	2.9115E+02	2.2525E+01
TUBS(DATUBS5)	2.0185E+00	2.3198E+01	1.8980E+02	1.0873E+01	2.0294E+00	2.8175E+01	3.1368E+02	2.2966E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8159E+01

ABSORPTION CROSS SECTION OF PU240 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	9.8044E-01	9.3595E+00	2.2023E+02	6.5577E+00	1.0520E+00	1.1002E+01	2.7496E+02	1.3888E+01
CEA	0.0	0.0	0.0	6.7936E+00	0.0	0.0	0.0	0.0
GKSS	9.8240E-01	8.4540E+00	2.4477E+02	6.9201E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	9.6997E-01	8.3304E+00	2.3968E+02	6.8057E+00	1.0429E+00	9.6914E+00	2.9406E+02	1.4339E+01
HITACHI(J2)	1.0191E+00	8.8684E+00	2.4181E+02	7.0291E+00	1.0940E+00	1.0275E+01	2.8698E+02	1.4532E+01
IKE	1.0299E+00	9.0987E+00	2.4546E+02	6.9946E+00	1.1091E+00	1.0527E+01	2.9267E+02	1.4469E+01
JAERI(SRAC)	1.0305E+00	8.7862E+00	2.3993E+02	6.8272E+00	1.1044E+00	1.0271E+01	2.8520E+02	1.4163E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.0186E+00	8.9377E+00	2.5044E+02	6.7774E+00	1.0812E+00	1.0558E+01	3.0022E+02	1.4561E+01
KFK(1985LIB.)	1.0173E+00	8.9092E+00	2.5757E+02	6.4651E+00	1.0792E+00	1.0525E+01	3.0213E+02	1.3906E+01
MAPI-CRC	1.0259E+00	8.7872E+00	2.4162E+02	6.9712E+00	1.1020E+00	1.0358E+01	2.8758E+02	1.4389E+01
NAIG	1.0220E+00	8.6510E+00	2.5576E+02	6.9686E+00	1.0900E+00	1.0339E+01	3.0710E+02	1.4771E+01
PNC	1.0188E+00	1.0735E+01	5.7222E+02	1.3356E+01	1.0908E+00	1.2487E+01	6.1680E+02	2.9038E+01
PSI(BOXER)	9.9669E-01	8.3630E+00	2.2695E+02	6.5148E+00	1.0805E+00	9.6850E+00	2.5237E+02	1.3930E+01
PSI(DANDE)	1.0122E+00	8.7952E+00	2.5390E+02	7.0937E+00	1.0872E+00	1.0542E+01	3.0172E+02	1.4990E+01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	9.8579E-01	8.4906E+00	2.5524E+02	7.4758E+00	1.0591E+00	1.0095E+01	2.8899E+02	1.6503E+01
TUBS(DATUBS5)	1.0279E+00	9.3401E+00	2.6191E+02	7.6680E+00	1.1010E+00	1.1081E+01	2.9689E+02	1.6683E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2172E+01

ABSORPTION CROSS SECTION OF PU241 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.1327E+00	3.9167E+01	1.0535E+02	1.2945E+01	2.1142E+00	4.8821E+01	1.8153E+02	2.1032E+01
CEA	0.0	0.0	0.0	1.2181E+01	0.0	0.0	0.0	0.0
GKSS	2.1305E+00	3.8061E+01	1.2264E+02	1.3094E+01	0.0	0.0	0.0	0.0
HITACHI(B4)	2.1365E+00	3.8787E+01	1.1613E+02	1.3233E+01	2.1151E+00	4.7969E+01	1.9761E+02	2.1562E+01
HITACHI(J2)	2.2394E+00	3.9914E+01	1.1815E+02	1.3757E+01	2.2155E+00	5.0851E+01	2.0343E+02	2.2912E+01
IKE	2.2353E+00	3.9097E+01	1.1717E+02	1.3363E+01	2.2074E+00	5.0200E+01	1.9928E+02	2.2225E+01
JAERI(SRAC)	2.2336E+00	3.8780E+01	1.1479E+02	1.3298E+01	2.2044E+00	4.9443E+01	1.9941E+02	2.2146E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.1441E+00	3.9488E+01	1.1261E+02	1.2993E+01	2.1142E+00	5.0890E+01	1.9473E+02	2.1937E+01
KFK(1985LIB.)	2.1451E+00	3.9250E+01	1.1623E+02	1.2816E+01	2.1162E+00	5.0554E+01	1.9739E+02	2.1535E+01
MAPI-CRC	2.2095E+00	3.8539E+01	1.1181E+02	1.3115E+01	2.1775E+00	4.9361E+01	1.9083E+02	2.1663E+01
NAIG	2.2060E+00	4.0356E+01	1.1205E+02	1.3349E+01	2.1780E+00	5.1339E+01	1.9330E+02	2.2014E+01
PNC	2.2065E+00	4.1024E+01	1.3306E+02	1.4197E+01	2.1836E+00	5.1840E+01	2.1859E+02	2.4128E+01
PSI(BOXER)	2.1323E+00	3.6953E+01	1.0307E+02	1.2388E+01	2.1317E+00	4.5969E+01	1.6515E+02	2.0594E+01
PSI(DANDE)	2.2365E+00	3.9408E+01	1.1412E+02	1.3544E+01	2.2078E+00	5.0055E+01	1.9181E+02	2.2236E+01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.2944E+00	3.7469E+01	1.9121E+02	1.4207E+01	2.2653E+00	4.7076E+01	2.7536E+02	2.5912E+01
TUBS(DATUBS5)	2.3803E+00	3.7970E+01	2.1440E+02	1.4577E+01	2.3399E+00	4.9087E+01	3.0329E+02	2.7104E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2536E+01

ABSORPTION CROSS SECTION OF PU242 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	7.8839E-01	5.5784E+00	2.1705E+02	5.4264E+00	8.6815E-01	6.1210E+00	1.9375E+02	9.4489E+00
CEA	0.0	0.0	0.0	5.6057E+00	0.0	0.0	0.0	0.0
GKSS	7.9327E-01	5.8716E+00	2.1389E+02	5.6217E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	7.7749E-01	5.0091E+00	2.2356E+02	5.5627E+00	1.3443E+00	5.5589E+00	1.8853E+02	9.1517E+00
HITACHI(J2)	8.2566E-01	4.5896E+00	2.1637E+02	5.3762E+00	8.9294E-01	5.0826E+00	1.7478E+02	8.6925E+00
IKE	8.3636E-01	5.1422E+00	2.0937E+02	5.2762E+00	9.0770E-01	5.6129E+00	1.8064E+02	8.8526E+00
JAERI(SRAC)	8.3717E-01	5.1581E+00	2.1403E+02	5.3515E+00	9.0349E-01	5.5942E+00	1.7942E+02	8.8247E+00
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	8.1942E-01	5.3591E+00	2.0116E+02	4.9982E+00	8.8066E-01	5.7536E+00	1.5726E+02	7.9060E+00
KFK(1985LIB.)	8.1819E-01	5.4400E+00	4.1647E+02	7.6398E+00	8.7883E-01	5.8822E+00	3.4151E+02	1.3900E+01
MAPI-CRC	8.2953E-01	4.8469E+00	1.8726E+02	4.9368E+00	8.9766E-01	5.3451E+00	1.6872E+02	8.4268E+00
NAIG	8.4400E-01	4.8560E+00	2.1826E+02	5.3038E+00	9.0500E-01	5.2810E+00	1.8816E+02	8.9430E+00
PNC	8.2397E-01	5.2466E+00	2.0377E+02	5.4514E+00	8.8805E-01	5.6761E+00	1.6199E+02	8.6803E+00
PSI(BOXER)	8.0271E-01	5.8428E+00	3.7881E+02	8.2349E+00	8.9038E-01	6.3280E+00	2.9462E+02	1.4686E+01
PSI(DANDE)	8.1895E-01	4.8245E+00	2.5195E+02	5.9069E+00	8.8731E-01	5.2827E+00	2.1125E+02	1.0018E+01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	8.2326E-01	1.6618E+01	2.2985E+02	5.7558E+00	8.8642E-01	2.6691E+01	1.7969E+02	9.7715E+00
TUBS(DATUBS5)	8.4479E-01	1.6431E+01	2.2889E+02	5.7137E+00	9.0848E-01	2.6194E+01	1.7886E+02	9.6102E+00
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5255E+01

ABSORPTION CROSS SECTION OF AM241 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.5869E+00	2.4936E+01	3.3585E+02	1.2705E+01	1.6342E+00	3.0146E+01	3.7702E+02	2.3116E+01
CEA	0.0	0.0	0.0	1.2443E+01	0.0	0.0	0.0	0.0
GKSS	1.0907E+00	2.9515E+01	4.0750E+02	1.4966E+01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.7329E+00	2.3812E+01	2.9348E+02	1.2147E+01	1.7693E+00	2.8405E+01	3.3754E+02	2.1413E+01
HITACHI(J2)	1.7440E+00	2.3870E+01	2.9600E+02	1.2277E+01	1.7873E+00	2.8503E+01	3.3363E+02	2.1667E+01
IKE	1.7061E+00	2.4054E+01	3.5748E+02	1.3057E+01	1.7309E+00	2.8925E+01	4.0236E+02	2.3851E+01
JAERI(SRAC)	1.7524E+00	2.3568E+01	3.1000E+02	1.2224E+01	1.7915E+00	2.8224E+01	3.5017E+02	2.1847E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.5880E+00	2.3571E+01	3.3997E+02	1.2157E+01	1.6189E+00	2.8185E+01	3.8490E+02	2.2656E+01
KFK(1985LIB.)	1.5865E+00	2.3492E+01	3.4710E+02	1.1692E+01	1.6172E+00	2.8072E+01	3.8683E+02	2.1798E+01
MAPI-CRC	1.7415E+00	2.3365E+01	3.1610E+02	1.2385E+01	1.7843E+00	2.7521E+01	3.5457E+02	2.1894E+01
NAIG	1.1000E+00	3.2060E+01	4.0122E+02	1.5110E+01	1.1550E+00	3.8879E+01	4.3270E+02	2.6872E+01
PNC	1.7183E+00	2.3542E+01	3.3692E+02	1.2995E+01	1.7659E+00	2.7804E+01	3.7393E+02	2.3747E+01
PSI(BOXER)	1.0940E+00	2.9659E+01	3.3360E+02	1.3594E+01	1.1695E+00	3.5825E+01	3.4030E+02	2.4609E+01
PSI(DANDE)	1.6990E+00	2.3657E+01	3.5273E+02	1.2990E+01	1.7230E+00	2.8061E+01	3.9593E+02	2.3701E+01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.7153E+00	2.6979E+01	3.6459E+02	1.4017E+01	1.7526E+00	3.3301E+01	3.9962E+02	2.7104E+01
TUBS(DATUBS5)	1.8214E+00	2.5270E+01	3.7978E+02	1.3746E+01	1.8333E+00	3.1436E+01	4.2372E+02	2.7114E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2592E+01

ABSORPTION CROSS SECTION OF AM243 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	9.8044E-01	2.3364E+01	4.9174E+02	1.4367E+01	1.0520E+00	2.8857E+01	4.4116E+02	2.4759E+01
CEA	0.0	0.0	0.0	1.4661E+01	0.0	0.0	0.0	0.0
GKSS	7.8411E-01	1.8328E+01	3.8371E+02	1.1557E+01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.3790E+00	2.4240E+01	4.4225E+02	1.4482E+01	1.4139E+00	2.8820E+01	3.9933E+02	2.3598E+01
HITACHI(J2)	1.3893E+00	2.4045E+01	4.4595E+02	1.4565E+01	1.4303E+00	2.8942E+01	3.8712E+02	2.3584E+01
IKE	1.3889E+00	2.4242E+01	4.9881E+02	1.5147E+01	1.4143E+00	2.9500E+01	4.3750E+02	2.5092E+01
JAERI(SRAC)	1.3998E+00	2.3903E+01	4.7718E+02	1.4733E+01	1.4372E+00	2.9015E+01	4.2092E+02	2.4456E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.2770E+00	2.5001E+01	5.0324E+02	1.4776E+01	1.3160E+00	3.0811E+01	4.4290E+02	2.5264E+01
KFK(1985LIB.)	1.2753E+00	2.4844E+01	4.9887E+02	1.3870E+01	1.3139E+00	3.0579E+01	4.2626E+02	2.3598E+01
MAPI-CRC	1.3847E+00	2.4691E+01	4.6884E+02	1.4998E+01	1.4258E+00	2.9864E+01	4.1225E+02	2.4439E+01
NAIG	7.9100E-01	1.8255E+01	3.2718E+02	1.0302E+01	8.4300E-01	2.1978E+01	2.9601E+02	1.7219E+01
PNC	0.0	1.9122E+01	3.8716E+02	1.1504E+01	0.0	2.2991E+01	3.3753E+02	1.9769E+01
PSI(BOXER)	7.8877E-01	1.6744E+01	3.3730E+02	1.0239E+01	8.5055E-01	1.9844E+01	2.7532E+02	1.7428E+01
PSI(DANDE)	1.3800E+00	2.4944E+01	5.0272E+02	1.5514E+01	1.4041E+00	3.0251E+01	4.3634E+02	2.5596E+01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	8.5096E-01	1.9220E+01	2.9169E+02	1.0623E+01	9.0052E-01	2.3782E+01	2.6323E+02	1.8707E+01
TUBS(DATUBS5)	8.5561E-01	1.8798E+01	2.9309E+02	1.0352E+01	9.0409E-01	2.3431E+01	2.6547E+02	1.8297E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4260E+01

ABSORPTION CROSS SECTION OF CM244 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.3241E+00	2.1999E+01	1.9583E+00	6.4476E+00	1.3992E+00	3.2147E+01	2.1525E+00	9.4689E+00
CEA	0.0	0.0	0.0	8.2339E+00	0.0	0.0	0.0	0.0
GKSS	1.1822E+00	2.5700E+01	1.8337E+00	7.2989E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	1.1502E+00	2.2783E+01	2.6881E+00	6.5998E+00	1.2351E+00	3.1653E+01	3.0725E+00	9.3251E+00
HITACHI(J2)	1.1467E+00	2.2627E+01	2.6881E+00	6.6367E+00	1.2341E+00	3.1263E+01	3.0847E+00	9.3080E+00
IKE	1.2259E+00	2.3730E+01	2.6543E+00	6.9129E+00	1.3192E+00	3.4004E+01	3.0203E+00	1.0009E+01
JAERI(SRAC)	1.1568E+00	2.1903E+01	3.4269E+00	6.4492E+00	1.2436E+00	3.0633E+01	3.6358E+00	9.1538E+00
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.2311E+00	2.7258E+01	2.6349E+00	7.6356E+00	1.3136E+00	3.9794E+01	3.0369E+00	1.1425E+01
KFK(1985LIB.)	1.2289E+00	2.6650E+01	2.6323E+00	7.4895E+00	1.3104E+00	3.8608E+01	3.0271E+00	1.1153E+01
MAPI-CRC	1.1543E+00	2.8492E+01	2.6314E+00	8.0144E+00	1.2440E+00	3.9471E+01	2.9888E+00	1.1293E+01
NAIG	1.1960E+00	2.6415E+01	2.4680E+00	7.4211E+00	1.2910E+00	3.6418E+01	2.8220E+00	1.0490E+01
PNC	0.0	3.0240E+01	2.5269E+00	7.6170E+00	0.0	4.2039E+01	2.9132E+00	1.1283E+01
PSI(BOXER)	1.1974E+00	2.2825E+01	2.1910E+00	6.5571E+00	1.3131E+00	3.3229E+01	2.3773E+00	9.8063E+00
PSI(DANDE)	1.1858E+00	2.6574E+01	2.6334E+00	7.6954E+00	1.2761E+00	3.7993E+01	2.9677E+00	1.1211E+01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.1614E+00	2.5516E+01	2.7851E+00	7.7882E+00	1.2675E+00	3.6571E+01	3.1900E+00	1.1643E+01
TUBS(DATUBS5)	1.1614E+00	2.5035E+01	2.7693E+00	7.6951E+00	1.2685E+00	3.6152E+01	3.1609E+00	1.1563E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION CROSS SECTION OF U235 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.4555E+00	1.6804E+01	4.1775E+01	5.8969E+00	1.4503E+00	1.9046E+01	6.1882E+01	8.3066E+00
CEA	0.0	0.0	0.0	5.6699E+00	0.0	0.0	0.0	0.0
GKSS	1.4520E+00	1.6547E+01	4.8372E+01	5.9958E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	1.4532E+00	1.6713E+01	4.5061E+01	6.0074E+00	1.4439E+00	1.8860E+01	6.7044E+01	8.5044E+00
HITACHI(J2)	1.4810E+00	1.6399E+01	4.5177E+01	6.0055E+00	1.4752E+00	1.8511E+01	6.7850E+01	8.5679E+00
IKE	1.4471E+00	1.6644E+01	4.4367E+01	5.9627E+00	1.0718E+00	1.9075E+01	6.5974E+01	8.5010E+00
JAERI(SRAC)	1.4767E+00	1.6508E+01	4.3297E+01	5.9557E+00	1.4682E+00	1.8729E+01	6.5697E+01	8.4623E+00
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.4645E+00	1.5922E+01	4.0158E+01	5.6025E+00	1.4556E+00	1.8324E+01	6.3610E+01	8.1469E+00
KFK(1985LIB.)	1.4649E+00	1.5899E+01	4.1062E+01	5.5504E+00	1.4564E+00	1.8288E+01	6.4216E+01	8.0290E+00
MAPI-CRC	1.4727E+00	1.5803E+01	4.2062E+01	5.7308E+00	1.4656E+00	1.7856E+01	6.3275E+01	8.0922E+00
NAIG	1.4460E+00	1.7069E+01	4.1741E+01	5.9342E+00	1.4730E+00	1.9361E+01	6.3269E+01	8.3800E+00
PNC	1.5657E+00	1.5891E+01	4.5936E+01	5.9210E+00	1.5586E+00	1.8100E+01	6.8337E+01	8.6533E+00
PSI(BOXER)	1.4583E+00	1.6388E+01	3.8904E+01	5.7596E+00	1.4658E+00	1.8684E+01	5.5099E+01	8.2801E+00
PSI(DANDE)	1.4510E+00	1.6182E+01	4.2216E+01	5.8741E+00	1.4446E+00	1.8386E+01	6.2968E+01	8.3243E+00
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.4009E+00	1.6186E+01	5.2198E+01	6.1452E+00	1.3492E+00	1.8530E+01	7.8145E+01	9.5611E+00
TUBS(DATUBS5)	1.3959E+00	1.5793E+01	5.1443E+01	6.0101E+00	1.3431E+00	1.8198E+01	7.6499E+01	9.2865E+00
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0980E+00

FISSION CROSS SECTION OF U238 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2129E-01	0.0	1.5807E-10	9.2108E-02	1.5320E-01	0.0	1.3879E-10	1.1022E-01
CEA	0.0	0.0	0.0	9.2814E-02	0.0	0.0	0.0	0.0
GKSS	1.2847E-01	2.4640E-05	0.0	9.4331E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.2048E-01	8.0682E-05	4.3177E-08	8.8276E-02	1.4676E-01	7.6569E-05	3.6587E-07	1.0256E-01
HITACHI(J2)	1.2757E-01	1.4629E-04	5.2966E-07	9.3015E-02	1.5597E-01	1.4102E-04	6.2208E-07	1.0842E-01
IKE	1.3378E-01	1.4315E-04	5.2595E-07	9.7955E-02	1.6526E-01	1.3371E-04	6.1356E-07	1.1545E-01
JAERI(SRAC)	1.3527E-01	1.5771E-04	0.0	9.8869E-02	1.6361E-01	1.4532E-04	0.0	1.1400E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.2836E-01	0.0	0.0	9.4915E-02	1.5578E-01	0.0	0.0	1.0938E-01
KFK(1985LIB.)	1.2685E-01	0.0	0.0	9.3958E-02	1.5380E-01	0.0	0.0	1.0817E-01
MAPI-CRC	1.3514E-01	1.4791E-04	5.1697E-07	9.9127E-02	1.6556E-01	1.4078E-04	6.0076E-07	1.1593E-01
NAIG	1.3200E-01	0.0	0.0	9.7400E-02	1.5800E-01	0.0	0.0	1.1080E-01
PNC	1.2513E-01	0.0	0.0	9.1588E-02	1.5514E-01	0.0	0.0	1.0771E-01
PSI(BOXER)	1.2814E-01	1.3713E-04	2.8678E-07	9.4374E-02	1.5863E-01	1.2476E-04	2.0868E-07	1.1009E-01
PSI(DANDE)	1.2604E-01	1.4862E-04	5.2042E-07	9.1825E-02	1.5620E-01	1.3979E-04	6.0230E-07	1.0834E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	9.4809E-02	2.4622E-05	0.0	7.2125E-02	1.1439E-01	2.1957E-05	0.0	8.1843E-02
TUBS(DATUBS5)	9.8691E-02	1.4938E-04	5.7037E-07	7.5058E-02	1.1858E-01	1.3375E-04	6.6824E-07	8.4859E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1552E-01

FISSION CROSS SECTION OF PU239 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.6981E+00	1.3386E+01	8.9837E+01	5.9971E+00	1.7363E+00	1.6391E+01	1.5196E+02	1.1182E+01
CEA	0.0	0.0	0.0	6.1457E+00	0.0	0.0	0.0	0.0
GKSS	1.7000E+00	1.3055E+01	9.4971E+01	6.0877E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	1.6958E+00	1.3322E+01	9.7113E+01	6.2056E+00	1.7263E+00	1.6391E+01	1.6183E+02	1.1614E+01
HITACHI(J2)	1.7393E+00	1.3334E+01	9.7152E+01	6.2794E+00	1.7744E+00	1.6440E+01	1.6354E+02	1.1902E+01
IKE	1.7343E+00	1.3422E+01	9.7850E+01	6.2227E+00	1.7683E+00	1.6227E+01	1.6348E+02	1.1615E+01
JAERI(SRAC)	1.7390E+00	1.3250E+01	9.4265E+01	6.1395E+00	1.7714E+00	1.6190E+01	1.6081E+02	1.1553E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.7062E+00	1.3570E+01	9.3099E+01	6.0144E+00	1.7343E+00	1.6624E+01	1.5717E+02	1.1341E+01
KFK(1985LIB.)	1.7058E+00	1.3513E+01	9.6496E+01	5.9015E+00	1.7338E+00	1.6541E+01	1.5945E+02	1.1040E+01
MAPI-CRC	1.7375E+00	1.3082E+01	9.1696E+01	6.0702E+00	1.7710E+00	1.5952E+01	1.5468E+02	1.1272E+01
NAIG	1.7140E+00	1.3274E+01	9.4034E+01	6.0333E+00	1.7410E+00	1.6175E+01	1.5955E+02	1.1312E+01
PNC	1.7355E+00	1.4290E+01	1.1594E+02	6.8611E+00	1.7679E+00	1.7163E+01	1.8402E+02	1.3236E+01
PSI(BOXER)	1.7168E+00	1.3281E+01	8.7374E+01	5.9755E+00	1.7644E+00	1.6125E+01	1.3655E+02	1.1237E+01
PSI(DANDE)	1.7344E+00	1.3220E+01	9.5780E+01	6.1905E+00	1.7673E+00	1.6133E+01	1.5926E+02	1.1581E+01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.6364E+00	1.3534E+01	1.1515E+02	6.8090E+00	1.6433E+00	1.6362E+01	1.8917E+02	1.4218E+01
TUBS(DATUBS5)	1.6657E+00	1.3328E+01	1.2402E+02	6.8551E+00	1.6719E+00	1.6177E+01	2.0297E+02	1.4479E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1468E+01

FISSION CROSS SECTION OF PU240 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	7.3786E-01	1.8660E-01	4.3030E-02	5.9070E-01	8.2729E-01	1.8548E-01	5.3272E-02	6.3126E-01
CEA	0.0	0.0	0.0	5.3472E-01	0.0	0.0	0.0	0.0
GKSS	7.4108E-01	1.4486E-01	3.9572E-02	5.8087E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	7.2466E-01	1.8372E-01	4.6576E-02	5.7763E-01	8.1356E-01	1.7981E-01	5.6981E-02	6.1793E-01
HITACHI(J2)	7.4234E-01	2.1404E-01	4.8227E-02	5.9628E-01	8.3530E-01	2.1102E-01	5.7323E-02	6.3893E-01
IKE	7.5584E-01	2.1798E-01	4.8901E-02	6.0890E-01	8.5430E-01	2.1421E-01	5.8384E-02	6.5537E-01
JAERI(SRAC)	7.5717E-01	2.1303E-01	4.7827E-02	6.0793E-01	8.4986E-01	2.1036E-01	5.6951E-02	6.5004E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	7.2965E-01	1.3773E-01	4.6362E-02	5.7404E-01	8.1049E-01	1.4142E-01	5.5633E-02	6.0801E-01
KFK(1985LIB.)	7.2772E-01	1.3772E-01	4.7654E-02	5.7348E-01	8.0757E-01	1.4134E-01	5.5976E-02	6.0699E-01
MAPI-CRC	7.5655E-01	2.0694E-01	4.8123E-02	6.0722E-01	8.5231E-01	2.0775E-01	5.7349E-02	6.5350E-01
NAIG	7.6500E-01	9.7000E-02	4.7000E-02	5.8900E-01	8.5000E-01	9.4000E-02	5.6000E-02	6.2370E-01
PNC	7.5019E-01	2.2187E-01	1.1181E-01	6.0671E-01	8.3811E-01	2.2357E-01	1.2085E-01	6.4609E-01
PSI(BOXER)	7.5555E-01	1.7974E-01	4.4056E-02	6.0139E-01	8.5265E-01	1.7587E-01	4.8881E-02	6.4021E-01
PSI(DANDE)	7.3479E-01	2.0838E-01	5.0496E-02	5.8913E-01	8.2898E-01	2.1020E-01	6.0072E-02	6.3353E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	6.2708E-01	1.7590E-01	4.6761E-02	5.2252E-01	6.9737E-01	1.7231E-01	5.0326E-02	5.4849E-01
TUBS(DATUBS5)	6.3071E-01	2.0900E-01	5.2154E-02	5.3533E-01	7.0289E-01	2.0639E-01	5.9336E-02	5.6423E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7822E-01

FISSION CROSS SECTION OF PU241 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.9002E+00	3.1545E+01	8.1802E+01	1.0512E+01	1.8997E+00	3.9586E+01	1.3747E+02	1.6824E+01
CEA	0.0	0.0	0.0	9.8894E+00	0.0	0.0	0.0	0.0
GKSS	1.8955E+00	3.0720E+01	8.9691E+01	1.0542E+01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.8955E+00	3.1057E+01	8.9772E+01	1.0675E+01	1.8868E+00	3.8639E+01	1.4945E+02	1.7126E+01
HITACHI(J2)	1.9500E+00	3.0183E+01	8.9947E+01	1.0603E+01	1.9390E+00	3.8175E+01	1.5304E+02	1.7409E+01
IKE	1.9404E+00	2.9584E+01	8.9260E+01	1.0303E+01	1.9247E+00	3.7706E+01	1.4989E+02	1.6888E+01
JAERI(SRAC)	1.9359E+00	2.9293E+01	8.7504E+01	1.0247E+01	1.9311E+00	3.7107E+01	1.5009E+02	1.6830E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.9056E+00	2.9573E+01	8.4283E+01	9.9516E+00	1.8929E+00	3.8055E+01	1.4291E+02	1.6523E+01
KFK(1985LIB.)	1.9062E+00	2.9394E+01	8.6736E+01	9.8156E+00	1.8941E+00	3.7801E+01	1.4471E+02	1.6223E+01
MAPI-CRC	1.9356E+00	2.9386E+01	8.5047E+01	1.0182E+01	1.9222E+00	3.7479E+01	1.4346E+02	1.6573E+01
NAIG	1.9250E+00	3.0708E+01	8.5404E+01	1.0341E+01	1.9100E+00	3.8862E+01	1.4531E+02	1.6810E+01
PNC	1.9285E+00	3.1153E+01	1.0030E+02	1.0953E+01	1.9211E+00	3.9237E+01	1.6357E+02	1.8377E+01
PSI(BOXER)	1.9025E+00	2.9659E+01	7.9550E+01	1.0031E+01	1.9155E+00	3.7129E+01	1.2479E+02	1.6406E+01
PSI(DANDE)	1.9461E+00	3.0075E+01	8.6727E+01	1.0504E+01	1.9321E+00	3.8076E+01	1.4407E+02	1.7021E+01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.9487E+00	3.0505E+01	1.4035E+02	1.1433E+01	1.9119E+00	3.8612E+01	2.0164E+02	2.0351E+01
TUBS(DATUBS5)	1.9932E+00	2.9170E+01	1.5160E+02	1.1233E+01	1.9487E+00	3.7567E+01	2.1976E+02	2.0551E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7166E+01

FISSION CROSS SECTION OF PU242 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.3678E-01	0.0	0.0	4.7055E-01	7.2516E-01	0.0	0.0	5.1102E-01
CEA	0.0	0.0	0.0	4.3632E-01	0.0	0.0	0.0	0.0
GKSS	6.3958E-01	0.0	0.0	4.6960E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	6.2094E-01	0.0	0.0	4.5488E-01	7.0952E-01	0.0	0.0	4.9556E-01
HITACHI(J2)	5.8229E-01	2.6920E-02	1.5983E-01	4.3390E-01	6.6433E-01	2.6720E-02	1.3572E-01	4.7407E-01
IKE	5.9394E-01	2.6829E-02	1.4030E-01	4.4375E-01	6.8047E-01	2.6265E-02	1.2116E-01	4.8670E-01
JAERI(SRAC)	5.9651E-01	2.7953E-02	1.5783E-01	4.4542E-01	6.7809E-01	2.7550E-02	1.3841E-01	4.8480E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.8478E-01	1.2368E-02	6.9586E-05	4.3546E-01	6.5947E-01	1.2476E-02	6.4584E-05	4.6628E-01
KFK(1985LIB.)	5.8304E-01	1.2518E-02	6.9118E-05	4.3492E-01	6.5686E-01	1.2706E-02	6.3839E-05	4.6532E-01
MAPI-CRC	5.9382E-01	2.6420E-02	1.3983E-01	4.4422E-01	6.7837E-01	2.6789E-02	1.3091E-01	4.8717E-01
NAIG	6.0900E-01	2.7000E-02	1.6100E-01	4.5860E-01	6.8500E-01	2.7000E-02	1.4400E-01	4.9370E-01
PNC	5.8846E-01	2.7510E-02	3.7205E-01	4.4422E-01	6.6602E-01	2.7424E-02	2.8774E-01	4.8136E-01
PSI(BOXER)	6.5157E-01	0.0	0.0	4.7971E-01	7.4867E-01	0.0	0.0	5.1946E-01
PSI(DANDE)	5.7478E-01	2.5613E-02	1.6878E-01	4.2783E-01	6.5866E-01	2.5425E-02	1.4162E-01	4.6886E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	4.9921E-01	2.4151E-02	1.2718E-04	3.8565E-01	5.6123E-01	2.3333E-02	1.5933E-04	4.0751E-01
TUBS(DATUBS5)	4.9598E-01	3.3570E-02	1.5335E-01	3.8636E-01	5.5888E-01	3.8827E-02	1.2002E-01	4.1192E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9738E-01

FISSION CROSS SECTION OF AM241 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.9742E-01	1.5714E-01	1.3875E+00	5.8068E-01	8.1708E-01	1.8548E-01	1.6455E+00	6.8136E-01
CEA	0.0	0.0	0.0	5.3387E-01	0.0	0.0	0.0	0.0
GKSS	6.6679E-01	9.9272E-01	1.7367E+00	7.6585E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	7.0893E-01	1.8166E-01	1.4513E+00	5.8909E-01	8.2407E-01	2.1608E-01	1.7248E+00	6.9755E-01
HITACHI(J2)	7.0932E-01	1.8302E-01	1.4647E+00	5.8793E-01	8.2895E-01	2.1725E-01	1.6997E+00	6.9950E-01
IKE	6.4787E-01	1.6712E-01	2.1774E+00	5.5132E-01	7.6059E-01	2.0406E-01	2.5466E+00	6.8009E-01
JAERI(SRAC)	7.3342E-01	1.8008E-01	1.5336E+00	6.0606E-01	8.5141E-01	2.1395E-01	1.7845E+00	7.1665E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.8628E-01	1.6685E-01	1.9895E+00	5.7884E-01	7.9200E-01	2.0305E-01	2.3651E+00	6.9608E-01
KFK(1985LIB.)	6.8278E-01	1.6610E-01	2.0358E+00	5.7435E-01	7.8709E-01	2.0197E-01	2.3768E+00	6.8827E-01
MAPI-CRC	7.2653E-01	1.8140E-01	1.5616E+00	6.0401E-01	8.4996E-01	2.1283E-01	1.8028E+00	7.1944E-01
NAIG	6.8000E-01	1.0050E+00	1.9880E+00	7.8110E-01	7.7000E-01	9.8000E-01	2.2620E+00	8.7930E-01
PNC	7.0541E-01	1.8327E-01	1.6872E+00	5.9160E-01	8.2106E-01	2.1537E-01	1.9349E+00	7.0561E-01
PSI(BOXER)	6.7533E-01	9.4411E-01	1.5993E+00	7.5664E-01	7.8112E-01	9.0655E-01	1.7483E+00	8.5546E-01
PSI(DANDE)	6.1765E-01	1.6680E-01	2.1130E+00	5.2659E-01	7.2599E-01	2.0135E-01	2.4746E+00	6.5099E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	5.9594E-01	1.6146E-01	1.5941E+00	5.2232E-01	6.8215E-01	1.8618E-01	1.8543E+00	6.2094E-01
TUBS(DATUBS5)	5.3732E-01	1.6824E-01	2.4628E+00	4.9188E-01	6.1617E-01	2.0980E-01	2.8001E+00	6.1633E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7743E-01

FISSION CROSS SECTION OF AM243 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.6603E-01	3.2410E-03	0.0	4.2050E-01	6.6388E-01	2.7530E-03	0.0	4.7094E-01
CEA	0.0	0.0	0.0	3.9022E-01	0.0	0.0	0.0	0.0
GKSS	4.7884E-01	0.0	0.0	3.5159E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	5.8482E-01	7.4156E-02	1.2699E+00	4.6828E-01	6.8363E-01	8.8146E-02	1.1421E+00	5.4368E-01
HITACHI(J2)	5.8521E-01	7.3534E-02	1.2801E+00	4.6653E-01	6.8827E-01	8.8513E-02	1.1088E+00	5.4441E-01
IKE	5.2667E-01	1.7849E-02	3.2267E-01	3.9519E-01	6.2247E-01	2.1357E-02	2.8192E-01	4.5089E-01
JAERI(SRAC)	6.0735E-01	7.3162E-02	1.3701E+00	4.8424E-01	7.0893E-01	8.8875E-02	1.2038E+00	5.6242E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.1028E-01	8.5524E-03	2.6133E-03	4.5340E-01	7.0537E-01	7.7744E-03	2.4832E-03	4.9737E-01
KFK(1985LIB.)	6.0716E-01	8.5620E-03	2.5788E-03	4.5185E-01	7.0100E-01	7.7766E-03	2.4483E-03	4.9516E-01
MAPI-CRC	6.0080E-01	7.5635E-02	1.3447E+00	4.8177E-01	7.0718E-01	9.1565E-02	1.1786E+00	5.6403E-01
NAIG	4.9000E-01	0.0	0.0	3.6200E-01	5.6700E-01	0.0	0.0	3.9850E-01
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	4.8676E-01	0.0	0.0	3.5837E-01	5.7484E-01	0.0	0.0	3.9884E-01
PSI(DANDE)	5.0121E-01	1.8337E-02	3.2477E-01	3.7492E-01	5.9325E-01	2.1889E-02	2.8102E-01	4.2781E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	4.0319E-01	0.0	0.0	3.0666E-01	4.6451E-01	0.0	0.0	3.3216E-01
TUBS(DATUBS5)	4.0087E-01	0.0	0.0	3.0476E-01	4.6226E-01	0.0	0.0	3.3076E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5545E-01

FISSION CROSS SECTION OF CM244 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	8.7936E-01	5.1070E-01	5.4447E-02	7.8092E-01	1.0009E+00	6.8336E-01	7.3384E-02	8.8176E-01
CEA	0.0	0.0	0.0	1.1392E+00	0.0	0.0	0.0	0.0
GKSS	9.9897E-01	1.4550E+00	9.9778E-02	1.0975E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	8.5984E-01	5.4092E-01	1.6970E-01	7.6836E-01	9.6182E-01	6.9242E-01	2.0736E-01	8.6241E-01
HITACHI(J2)	8.5382E-01	5.3879E-01	1.7014E-01	7.6234E-01	9.5791E-01	6.8558E-01	2.0885E-01	8.5655E-01
IKE	8.9452E-01	6.1206E-01	1.0737E-01	8.1054E-01	1.0130E+00	7.8001E-01	1.4470E-01	9.1878E-01
JAERI(SRAC)	8.6767E-01	5.2191E-01	1.8152E-01	7.6907E-01	9.7169E-01	6.7450E-01	2.1638E-01	8.6437E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	9.1432E-01	6.4099E-01	1.0498E-01	8.3490E-01	1.0196E+00	8.4424E-01	1.4471E-01	9.4167E-01
KFK(1985LIB.)	9.1149E-01	6.3224E-01	1.0642E-01	8.3180E-01	1.0154E+00	8.2679E-01	1.4551E-01	9.3605E-01
MAPI-CRC	8.6774E-01	6.1502E-01	1.6495E-01	7.9263E-01	9.7466E-01	7.9586E-01	2.0047E-01	8.9819E-01
NAIG	1.0140E+00	1.4800E+00	1.4600E-01	1.1148E+00	1.1210E+00	2.0600E+00	1.6600E-01	1.3303E+00
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	1.0144E+00	1.1909E+00	1.2918E-01	1.0432E+00	1.1403E+00	1.8064E+00	1.3957E-01	1.2752E+00
PSI(DANDE)	8.6637E-01	5.6793E-01	1.0462E-01	7.7770E-01	9.7959E-01	7.6209E-01	1.3975E-01	8.8934E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	8.2933E-01	1.4447E+00	1.6407E-01	1.0172E+00	9.2074E-01	2.0873E+00	1.8709E-01	1.2645E+00
TUBS(DATUBS5)	8.2812E-01	1.4172E+00	1.6319E-01	1.0072E+00	9.1563E-01	2.0629E+00	1.8543E-01	1.2565E+00
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF U235 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.6792E+00	4.0640E+01	1.0103E+02	1.4377E+01	3.6973E+00	4.6078E+01	1.4967E+02	2.0230E+01
CEA	0.0	0.0	0.0	1.3826E+01	0.0	0.0	0.0	0.0
GKSS	3.6733E+00	3.6211E+01	1.1733E+02	1.3677E+01	0.0	0.0	0.0	0.0
HITACHI(B4)	3.6651E+00	4.0419E+01	1.0917E+02	1.4647E+01	3.7491E+00	4.4965E+01	1.6476E+02	2.0924E+01
HITACHI(J2)	3.7389E+00	3.9836E+01	1.0970E+02	1.4687E+01	3.7491E+00	4.4965E+01	1.6476E+02	2.0924E+01
IKE	3.6577E+00	4.0558E+01	1.0811E+02	1.4626E+01	3.6661E+00	4.6481E+01	1.6076E+02	2.0826E+01
JAERI(SRAC)	3.7365E+00	4.0096E+01	1.0515E+02	1.4547E+01	3.7427E+00	4.5490E+01	1.5955E+02	2.0676E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.7020E+00	3.8579E+01	9.7310E+01	1.3688E+01	3.7046E+00	4.4398E+01	1.5412E+02	1.9864E+01
KFK(1985LIB.)	3.7009E+00	3.8524E+01	9.9498E+01	1.3561E+01	3.7040E+00	4.4312E+01	1.5559E+02	1.9577E+01
MAPI-CRC	3.7277E+00	3.8382E+01	1.0215E+02	1.4027E+01	3.7381E+00	4.3366E+01	1.5368E+02	1.9779E+01
NAIG	3.6590E+00	4.1592E+01	1.0170E+02	1.4560E+01	3.6590E+00	4.7177E+01	1.5417E+02	2.0530E+01
PNC	3.9500E+00	3.8696E+01	1.1172E+02	1.4517E+01	3.9577E+00	4.4069E+01	1.6615E+02	2.1172E+01
PSI(BOXER)	3.6648E+00	3.9384E+01	9.3490E+01	1.3959E+01	3.7498E+00	4.5344E+01	1.3372E+02	2.0228E+01
PSI(DANDE)	3.6614E+00	3.9430E+01	1.0287E+02	1.4405E+01	3.6707E+00	4.4802E+01	1.5343E+02	2.0389E+01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.8692E+00	3.9443E+01	1.2718E+02	1.5318E+01	3.8658E+00	4.5143E+01	1.9042E+02	2.3707E+01
TUBS(DATUBS5)	3.8611E+00	3.8480E+01	1.2533E+02	1.4998E+01	3.8535E+00	4.4352E+01	1.8643E+02	2.3046E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF U238 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.5377E-01	0.0	3.6883E-10	2.6031E-01	4.3918E-01	0.0	3.2412E-10	3.1062E-01
CEA	0.0	0.0	0.0	2.5950E-01	0.0	0.0	0.0	0.0
GKSS	3.6035E-01	6.0369E-07	0.0	2.6458E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	3.3485E-01	1.8716E-04	1.0014E-07	2.4531E-01	4.1008E-01	1.7761E-04	8.4849E-08	2.8649E-01
HITACHI(J2)	3.5505E-01	3.3931E-04	1.2285E-06	2.5890E-01	4.3548E-01	3.2704E-04	1.4430E-06	3.0286E-01
IKE	3.7330E-01	3.3206E-04	1.2199E-06	2.7332E-01	4.6343E-01	3.1016E-04	1.4231E-06	3.2374E-01
JAERI(SRAC)	3.7812E-01	3.6578E-04	0.0	2.7635E-01	4.5954E-01	3.3705E-04	0.0	3.2017E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.5891E-01	0.0	0.0	2.6539E-01	4.3746E-01	0.0	0.0	3.0716E-01
KFK(1985LIB.)	3.5413E-01	0.0	0.0	2.6230E-01	4.3120E-01	0.0	0.0	3.0327E-01
MAPI-CRC	3.7863E-01	3.4316E-04	1.1989E-06	2.7773E-01	4.6604E-01	3.2657E-04	1.3930E-06	3.2655E-01
NAIG	3.7000E-01	0.0	0.0	2.7300E-01	4.4300E-01	0.0	0.0	3.1130E-01
PNC	3.4841E-01	0.0	0.0	2.5510E-01	4.3407E-01	0.0	0.0	3.0130E-01
PSI(BOXER)	3.5569E-01	3.1602E-04	6.6103E-07	2.6195E-01	4.4712E-01	2.9036E-04	4.8563E-07	3.1031E-01
PSI(DANDE)	3.5153E-01	3.4475E-04	1.2062E-06	2.5607E-01	4.3770E-01	3.2428E-04	1.3961E-06	3.0356E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.4042E-01	5.7121E-05	0.0	2.5901E-01	4.2375E-01	5.0923E-05	0.0	3.0300E-01
TUBS(DATUBS5)	3.5235E-01	3.4640E-04	1.3227E-06	2.6802E-01	4.3601E-01	3.1036E-04	1.5501E-06	3.1212E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF PU239 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.1448E+00	3.8469E+01	2.5812E+02	1.7431E+01	5.2906E+00	4.7093E+01	4.3664E+02	3.2335E+01
CEA	0.0	0.0	0.0	1.7667E+01	0.0	0.0	0.0	0.0
GKSS	5.1468E+00	3.7512E+01	2.7427E+02	1.7708E+01	0.0	0.0	0.0	0.0
HITACHI(B4)	5.1179E+00	3.8282E+01	2.7910E+02	1.8011E+01	5.2487E+00	4.7089E+01	4.6503E+02	3.3559E+01
HITACHI(J2)	5.2694E+00	3.8418E+01	2.7988E+02	1.8279E+01	5.4197E+00	4.7358E+01	4.7114E+02	3.4511E+01
IKE	5.2286E+00	3.8020E+01	2.8076E+02	1.7916E+01	5.3756E+00	4.5950E+01	4.6917E+02	3.3382E+01
JAERI(SRAC)	5.2841E+00	3.8161E+01	2.7154E+02	1.7884E+01	5.4274E+00	4.6629E+01	4.6322E+02	3.3504E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.1839E+00	3.9146E+01	2.6852E+02	1.7543E+01	5.3108E+00	4.7954E+01	4.5324E+02	3.2924E+01
KFK(1985LIB.)	5.1798E+00	3.8980E+01	2.7831E+02	1.7215E+01	5.3053E+00	4.7714E+01	4.5982E+02	3.2054E+01
MAPI-CRC	5.2802E+00	3.7685E+01	2.6411E+02	1.7691E+01	5.4294E+00	4.5963E+01	4.4558E+02	3.2715E+01
NAIG	5.2120E+00	3.8227E+01	2.7162E+02	1.7592E+01	5.3350E+00	4.6581E+01	4.6097E+02	3.2857E+01
PNC	5.2529E+00	4.1161E+01	3.3411E+02	1.9954E+01	5.3968E+00	4.9449E+01	5.3011E+02	3.8337E+01
PSI(BOXER)	5.1614E+00	3.7911E+01	2.4942E+02	1.7249E+01	5.4005E+00	4.6487E+01	3.9367E+02	3.2612E+01
PSI(DANDE)	5.2180E+00	3.7445E+01	2.7481E+02	1.7814E+01	5.3591E+00	4.5681E+01	4.5707E+02	3.3270E+01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	5.1650E+00	3.8873E+01	3.3077E+02	1.9913E+01	5.3079E+00	4.7008E+01	5.4341E+02	4.1282E+01
TUBS(DATUBS5)	5.2307E+00	3.7763E+01	3.5598E+02	1.9883E+01	5.3702E+00	4.5827E+01	5.8255E+02	4.1793E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF PU240 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.3146E+00	5.4998E-01	1.2294E-01	1.8422E+00	2.6249E+00	5.3693E-01	1.4959E-01	1.9840E+00
CEA	0.0	0.0	0.0	1.6526E+00	0.0	0.0	0.0	0.0
GKSS	2.3360E+00	4.1576E-01	1.1356E-01	1.8206E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	2.2744E+00	5.2733E-01	1.3367E-01	1.8001E+00	2.5694E+00	5.1608E-01	1.6352E-01	1.9371E+00
HITACHI(J2)	2.2763E+00	5.9589E-01	1.3423E-01	1.8131E+00	2.5792E+00	5.8764E-01	1.5961E-01	1.9547E+00
IKE	2.3239E+00	6.0686E-01	1.3613E-01	1.8559E+00	2.6466E+00	5.9636E-01	1.6253E-01	2.0119E+00
JAERI(SRAC)	2.3306E+00	5.9307E-01	1.3314E-01	1.8552E+00	2.6334E+00	5.8563E-01	1.5854E-01	1.9963E+00
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.3255E+00	3.9671E-01	1.3346E-01	1.8189E+00	2.6019E+00	4.0732E-01	1.6014E-01	1.9391E+00
KFK(1985LIB.)	2.3170E+00	3.9668E-01	1.3717E-01	1.8154E+00	2.5897E+00	4.0710E-01	1.6113E-01	1.9338E+00
MAPI-CRC	2.3298E+00	5.7612E-01	1.3394E-01	1.8542E+00	2.6432E+00	5.7835E-01	1.5966E-01	2.0090E+00
NAIG	2.3710E+00	2.7300E-01	1.3100E-01	1.8188E+00	2.6500E+00	2.6300E-01	1.5700E-01	1.9366E+00
PNC	2.2944E+00	6.1777E-01	3.1136E-01	1.8392E+00	2.5830E+00	6.2238E-01	3.3637E-01	1.9719E+00
PSI(BOXER)	2.3624E+00	5.1249E-01	1.2561E-01	1.8680E+00	2.7114E+00	5.0641E-01	1.4074E-01	2.0212E+00
PSI(DANDE)	2.2539E+00	5.8014E-01	1.4057E-01	1.7918E+00	2.5620E+00	5.8520E-01	1.6723E-01	1.9400E+00
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.1822E+00	5.0492E-01	1.3421E-01	1.7901E+00	2.4910E+00	4.9468E-01	1.4445E-01	1.9248E+00
TUBS(DATUBS5)	2.1549E+00	5.8192E-01	1.4518E-01	1.7941E+00	2.4676E+00	5.7454E-01	1.6515E-01	1.9359E+00
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF PU241 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.8119E+00	9.2495E+01	2.3988E+02	3.0986E+01	5.8319E+00	1.1608E+02	4.0307E+02	4.9509E+01
CEA	0.0	0.0	0.0	2.9442E+01	0.0	0.0	0.0	0.0
GKSS	5.7967E+00	9.0083E+01	2.6947E+02	3.1196E+01	0.0	0.0	0.0	0.0
HITACHI(B4)	5.7821E+00	9.1034E+01	2.6318E+02	3.1465E+01	5.7934E+00	1.1330E+02	4.3817E+02	5.0411E+01
HITACHI(J2)	5.9395E+00	8.8529E+01	2.6376E+02	3.1251E+01	5.9448E+00	1.1196E+02	4.4867E+02	5.1217E+01
IKE	5.9196E+00	8.6750E+01	2.6174E+02	3.0381E+01	5.9148E+00	1.1057E+02	4.3953E+02	4.9709E+01
JAERI(SRAC)	5.9382E+00	8.5896E+01	2.5659E+02	3.0216E+01	5.9328E+00	1.0881E+02	4.4011E+02	4.9539E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.8029E+00	8.6489E+01	2.4636E+02	2.9272E+01	5.8029E+00	1.1129E+02	4.1767E+02	4.8499E+01
KFK(1985LIB.)	5.8021E+00	8.5967E+01	2.5352E+02	2.8873E+01	5.8029E+00	1.1055E+02	4.2295E+02	4.7619E+01
MAPI-CRC	5.9079E+00	8.6183E+01	2.4935E+02	3.0025E+01	5.9085E+00	1.0993E+02	4.2056E+02	4.8807E+01
NAIG	5.8800E+00	9.0046E+01	2.5043E+02	3.0499E+01	5.8700E+00	1.1396E+02	4.2610E+02	4.9483E+01
PNC	5.8735E+00	9.1359E+01	2.9423E+02	3.2288E+01	5.8901E+00	1.1510E+02	4.7974E+02	5.4058E+01
PSI(BOXER)	5.7801E+00	8.6405E+01	2.3175E+02	2.9398E+01	5.9199E+00	1.0923E+02	3.6712E+02	4.8464E+01
PSI(DANDE)	5.9269E+00	8.8192E+01	2.5431E+02	3.0963E+01	5.9247E+00	1.1166E+02	4.2247E+02	5.0090E+01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	6.1373E+00	8.9453E+01	4.1149E+02	3.3840E+01	6.1413E+00	1.1325E+02	5.9111E+02	6.0060E+01
TUBS(DATUBS5)	6.2455E+00	8.5525E+01	4.4451E+02	3.3239E+01	6.2159E+00	1.1022E+02	6.4447E+02	6.0631E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF PU242 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.9710E+00	0.0	0.0	1.4517E+00	2.2776E+00	0.0	0.0	1.5932E+00
CEA	0.0	0.0	0.0	1.3637E+00	0.0	0.0	0.0	0.0
GKSS	1.9920E+00	0.0	0.0	1.4626E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	1.9236E+00	0.0	0.0	1.4091E+00	2.2116E+00	0.0	0.0	1.5451E+00
HITACHI(J2)	1.8001E+00	7.5593E-02	4.4886E-01	1.3388E+00	2.0650E+00	7.5006E-02	3.8101E-01	1.4698E+00
IKE	1.8408E+00	7.5340E-02	3.9397E-01	1.3727E+00	2.1225E+00	7.3756E-02	3.4021E-01	1.5145E+00
JAERI(SRAC)	1.8507E+00	7.8497E-02	4.4318E-01	1.3791E+00	2.1156E+00	7.7365E-02	3.8866E-01	1.5086E+00
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.8753E+00	3.5637E-02	2.0052E-04	1.3954E+00	2.1282E+00	3.5945E-02	1.8609E-04	1.5036E+00
KFK(1985LIB.)	1.8678E+00	3.6067E-02	1.9918E-04	1.3923E+00	2.1173E+00	3.6609E-02	1.8395E-04	1.4988E+00
MAPI-CRC	1.8436E+00	7.4201E-02	3.9260E-01	1.3766E+00	2.1193E+00	7.5242E-02	3.6762E-01	1.5180E+00
NAIG	1.8890E+00	7.6000E-02	4.5100E-01	1.4199E+00	2.1350E+00	7.6000E-02	4.0500E-01	1.5351E+00
PNC	1.8143E+00	7.7265E-02	1.0452E+00	1.3656E+00	2.0672E+00	7.7019E-02	8.0804E-01	1.4890E+00
PSI(BOXER)	2.0117E+00	0.0	0.0	1.4810E+00	2.3509E+00	0.0	0.0	1.6312E+00
PSI(DANDE)	1.7780E+00	7.1925E-02	4.7393E-01	1.3208E+00	2.0503E+00	7.1397E-02	3.9767E-01	1.4558E+00
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.7436E+00	6.7876E-02	3.5738E-04	1.3426E+00	2.0141E+00	6.5557E-02	4.4367E-04	1.4579E+00
TUBS(DATUBS5)	1.7203E+00	9.4276E-02	4.3072E-01	1.3336E+00	1.9885E+00	1.0905E-01	3.3695E-01	1.4569E+00
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF AM241 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.4258E+00	4.9106E-01	4.2855E+00	1.9723E+00	2.8496E+00	5.6621E-01	5.0862E+00	2.3347E+00
CEA	0.0	0.0	0.0	1.9483E+00	0.0	0.0	0.0	0.0
GKSS	2.2964E+00	3.0678E+00	5.2182E+00	2.5374E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	2.5191E+00	5.8559E-01	4.6789E+00	2.0705E+00	2.9406E+00	6.9657E-01	5.5589E+00	2.4473E+00
HITACHI(J2)	2.5269E+00	5.8987E-01	4.7217E+00	2.0705E+00	2.9651E+00	7.0024E-01	5.4783E+00	2.4571E+00
IKE	2.3947E+00	5.5651E-01	7.2508E+00	2.0096E+00	2.8266E+00	6.7953E-01	8.4801E+00	2.4697E+00
JAERI(SRAC)	2.6207E+00	5.8049E-01	4.9436E+00	2.1411E+00	3.0562E+00	6.8967E-01	5.7522E+00	2.5272E+00
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.4032E+00	5.1948E-01	6.1879E+00	1.9990E+00	2.7895E+00	6.3202E-01	7.3558E+00	2.3942E+00
KFK(1985LIB.)	2.3881E+00	5.1714E-01	6.3319E+00	1.9824E+00	2.7689E+00	6.2869E-01	7.3921E+00	2.3665E+00
MAPI-CRC	2.5987E+00	5.8467E-01	5.0336E+00	2.1355E+00	3.0548E+00	6.8603E-01	5.8122E+00	2.5401E+00
NAIG	2.3430E+00	3.1070E+00	6.1440E+00	2.5920E+00	2.6670E+00	3.0280E+00	6.9890E+00	2.9204E+00
PNC	2.5067E+00	5.9095E-01	5.4385E+00	2.0774E+00	2.9343E+00	6.9433E-01	6.2378E+00	2.4739E+00
PSI(BOXER)	2.3047E+00	2.8986E+00	4.9097E+00	2.4933E+00	2.7133E+00	2.8107E+00	5.4190E+00	2.8545E+00
PSI(DANDE)	2.2796E+00	5.5544E-01	7.0362E+00	1.9159E+00	2.6937E+00	6.7050E-01	8.2403E+00	2.3592E+00
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.3460E+00	4.9883E-01	4.9247E+00	1.9974E+00	2.7597E+00	5.7532E-01	5.7299E+00	2.3848E+00
TUBS(DATUBS5)	2.2681E+00	5.6031E-01	8.2456E+00	2.0024E+00	2.6698E+00	6.9853E-01	9.3255E+00	2.4940E+00
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF AM243 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.1024E+00	1.0803E-02	0.0	1.5518E+00	2.4819E+00	9.0106E-03	0.0	1.7435E+00
CEA	0.0	0.0	0.0	1.3547E+00	0.0	0.0	0.0	0.0
GKSS	1.6052E+00	0.0	0.0	1.1786E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	2.0879E+00	2.3793E-01	4.0768E+00	1.6568E+00	2.4522E+00	2.8283E-01	3.6660E+00	1.9256E+00
HITACHI(J2)	2.0957E+00	2.3599E-01	4.1079E+00	1.6558E+00	2.4741E+00	2.8405E-01	3.5586E+00	1.9319E+00
IKE	1.8355E+00	5.4707E-02	9.8870E-01	1.3732E+00	2.1824E+00	6.5455E-02	8.6381E-01	1.5737E+00
JAERI(SRAC)	2.1821E+00	2.3481E-01	4.3974E+00	1.7243E+00	2.5588E+00	2.8524E-01	3.8637E+00	2.0026E+00
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.9747E+00	2.3954E-02	7.3173E-03	1.4662E+00	2.2980E+00	2.1775E-02	6.9530E-03	1.6194E+00
KFK(1985LIB.)	1.9619E+00	2.3981E-02	7.2205E-03	1.4591E+00	2.2805E+00	2.1781E-02	6.8552E-03	1.6098E+00
MAPI-CRC	2.1610E+00	2.4278E-01	4.3143E+00	1.7170E+00	2.5564E+00	2.9386E-01	3.7817E+00	2.0110E+00
NAIG	1.6440E+00	0.0	0.0	1.2133E+00	1.9060E+00	0.0	0.0	1.3398E+00
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	1.6301E+00	0.0	0.0	1.2001E+00	1.9546E+00	0.0	0.0	1.3561E+00
PSI(DANDE)	1.7441E+00	5.6200E-02	9.9513E-01	1.3005E+00	2.0765E+00	6.7088E-02	8.6107E-01	1.4903E+00
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.5545E+00	0.0	0.0	1.1824E+00	1.8394E+00	0.0	0.0	1.3156E+00
TUBS(DATUBS5)	1.5576E+00	0.0	0.0	1.1834E+00	1.8425E+00	0.0	0.0	1.3186E+00
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF CM244 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.3759E+00	1.7678E+00	1.8442E-01	2.9234E+00	3.8403E+00	2.3625E+00	2.5763E-01	3.3166E+00
CEA	0.0	0.0	0.0	3.8625E+00	0.0	0.0	0.0	0.0
GKSS	3.4800E+00	4.6996E+00	3.0509E-01	3.7306E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	3.0668E+00	1.7525E+00	5.4986E-01	2.6959E+00	3.4536E+00	2.2433E+00	6.7190E-01	3.0286E+00
HITACHI(J2)	3.0532E+00	1.7457E+00	5.5122E-01	2.6784E+00	3.4487E+00	2.2211E+00	6.7679E-01	3.0139E+00
IKE	3.2220E+00	1.9831E+00	3.4787E-01	2.8632E+00	3.6779E+00	2.5273E+00	4.6885E-01	3.2533E+00
JAERI(SRAC)	3.1149E+00	1.6910E+00	5.8811E-01	2.7136E+00	3.5112E+00	2.1854E+00	7.0107E-01	3.0534E+00
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.2828E+00	1.8752E+00	3.0294E-01	2.8920E+00	3.6875E+00	2.4580E+00	4.1746E-01	3.2462E+00
KFK(1985LIB.)	3.2691E+00	1.8500E+00	3.0709E-01	2.8798E+00	3.6679E+00	2.4077E+00	4.1975E-01	3.2257E+00
MAPI-CRC	3.1162E+00	1.9928E+00	5.3428E-01	2.7913E+00	3.5246E+00	2.5784E+00	6.4954E-01	3.1673E+00
NAIG	3.5350E+00	4.7800E+00	4.7000E-01	3.7928E+00	3.9280E+00	6.6550E+00	5.3500E-01	4.5127E+00
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	3.5056E+00	3.8216E+00	4.1453E-01	3.5320E+00	4.0059E+00	5.8543E+00	4.5231E-01	4.3480E+00
PSI(DANDE)	3.1139E+00	1.9138E+00	3.3898E-01	2.7620E+00	3.5485E+00	2.5331E+00	4.5278E-01	3.1584E+00
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.2536E+00	4.6661E+00	5.3006E-01	3.7134E+00	3.7013E+00	6.7402E+00	6.0425E-01	4.6052E+00
TUBS(DATUBS5)	3.2516E+00	4.5768E+00	5.2725E-01	3.6924E+00	3.7024E+00	6.6621E+00	5.9884E-01	4.5912E+00
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION CROSS SECTION OF U235 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.7487E+00	2.5623E+01	5.2372E+01	8.3887E+00	1.7160E+00	2.9698E+01	7.6995E+01	1.1772E+01
CEA	0.0	0.0	0.0	7.9687E+00	0.0	0.0	0.0	0.0
GKSS	1.7389E+00	2.4959E+01	6.0529E+01	8.4445E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	1.7473E+00	2.5463E+01	5.5607E+01	8.5071E+00	1.7170E+00	2.9529E+01	8.4629E+01	1.2168E+01
HITACHI(J2)	1.7923E+00	2.6259E+01	5.7375E+01	8.9053E+00	1.7712E+00	3.0310E+01	8.5142E+01	1.2573E+01
IKE	1.7418E+00	2.5382E+01	5.5773E+01	8.5052E+00	1.7144E+00	2.9632E+01	8.2531E+01	1.2071E+01
JAERI(SRAC)	1.7862E+00	2.6230E+01	5.5042E+01	8.7652E+00	1.7595E+00	3.0486E+01	8.2726E+01	1.2387E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.7533E+00	2.4746E+01	5.0654E+01	8.0692E+00	1.7238E+00	2.9109E+01	7.9862E+01	1.1689E+01
KFK(1985LIB.)	1.7530E+00	2.4687E+01	5.1667E+01	7.9881E+00	1.7244E+00	2.9010E+01	8.0322E+01	1.1513E+01
MAPI-CRC	1.7729E+00	2.5351E+01	5.3206E+01	8.4509E+00	1.7456E+00	2.9380E+01	7.9330E+01	1.1842E+01
NAIG	1.7230E+00	2.5416E+01	5.2840E+01	8.2884E+00	1.6960E+00	2.9577E+01	7.9592E+01	1.1752E+01
PNC	1.8791E+00	2.4419E+01	5.7891E+01	8.4309E+00	1.8497E+00	2.8512E+01	8.5809E+01	1.2293E+01
PSI(BOXER)	1.7437E+00	2.4690E+01	4.8474E+01	8.0949E+00	1.7335E+00	2.8718E+01	6.8852E+01	1.1625E+01
PSI(DANDE)	1.7485E+00	2.4922E+01	5.3194E+01	8.4169E+00	1.7215E+00	2.8898E+01	7.8726E+01	1.1851E+01
STUDSVIK	1.7300E+00	0.0	0.0	8.2920E+00	1.6960E+00	0.0	0.0	1.1707E+01
TUBS(DATUBS4)	1.8780E+00	2.4733E+01	6.3896E+01	8.8704E+00	1.8426E+00	2.8931E+01	9.5611E+01	1.3545E+01
TUBS(DATUBS5)	1.8811E+00	2.4203E+01	6.3153E+01	8.7022E+00	1.8436E+00	2.8512E+01	9.3784E+01	1.3205E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1724E+01

ABSORPTION CROSS SECTION OF U238 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.9313E-01	1.9227E+00	5.3307E-01	6.9072E-01	3.0642E-01	2.2807E+00	5.8153E-01	8.3153E-01
CEA	0.0	0.0	0.0	6.6763E-01	0.0	0.0	0.0	0.0
GKSS	2.9942E-01	1.7866E+00	2.2072E-01	6.6669E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	2.9153E-01	1.5958E+00	5.4597E-01	6.6853E-01	3.0994E-01	2.1281E+00	6.1426E-01	8.0184E-01
HITACHI(J2)	2.9600E-01	1.7383E+00	5.3179E-01	6.6600E-01	3.1702E-01	2.0868E+00	6.0303E-01	8.0037E-01
IKE	3.0507E-01	1.8304E+00	5.3575E-01	6.9124E-01	3.2799E-01	2.1674E+00	5.9551E-01	8.2347E-01
JAERI(SRAC)	3.0133E-01	1.8327E+00	5.5094E-01	6.9120E-01	3.1955E-01	2.1454E+00	6.0995E-01	8.1550E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.0752E-01	1.8890E+00	5.3484E-01	6.9656E-01	3.2425E-01	2.1281E+00	6.0256E-01	8.0462E-01
KFK(1985LIB.)	3.0674E-01	1.8839E+00	5.3348E-01	6.9395E-01	3.2326E-01	2.1189E+00	5.9918E-01	8.0208E-01
MAPI-CRC	2.9272E-01	1.8081E+00	5.3005E-01	6.7321E-01	3.1040E-01	2.2098E+00	5.8604E-01	8.1601E-01
NAIG	3.1000E-01	1.7640E+00	5.3200E-01	6.6850E-01	3.2500E-01	2.0800E+00	5.9300E-01	7.9000E-01
PNC	3.1476E-01	5.4724E+00	5.3940E-01	1.6047E+00	3.3216E-01	6.9131E+00	6.0341E-01	2.0899E+00
PSI(BOXER)	2.8920E-01	1.7792E+00	4.5956E-01	6.5704E-01	3.0908E-01	2.0572E+00	4.9092E-01	7.7806E-01
PSI(DANDE)	2.9438E-01	1.8317E+00	5.3447E-01	6.8876E-01	3.1431E-01	2.1820E+00	5.8818E-01	8.2595E-01
STUDSVIK	3.1600E-01	0.0	0.0	6.6400E-01	3.3300E-01	0.0	0.0	7.8500E-01
TUBS(DATUBS4)	3.1830E-01	1.7306E+00	6.1737E-01	6.8893E-01	3.3583E-01	2.0178E+00	6.7252E-01	8.2653E-01
TUBS(DATUBS5)	3.1850E-01	1.8248E+00	6.1676E-01	7.1836E-01	3.3553E-01	2.1367E+00	6.6911E-01	8.6420E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0717E-01

ABSORPTION CROSS SECTION OF PU239 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.9003E+00	2.3593E+01	1.3881E+02	9.2997E+00	1.9100E+00	2.9221E+01	2.4062E+02	1.7943E+01
CEA	0.0	0.0	0.0	9.3319E+00	0.0	0.0	0.0	0.0
GKSS	1.8914E+00	2.2532E+01	1.4988E+02	9.4009E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	1.8927E+00	2.3618E+01	1.5000E+02	9.6550E+00	1.9043E+00	2.9406E+01	2.6769E+02	1.9126E+01
HITACHI(J2)	1.9520E+00	2.3793E+01	1.5159E+02	9.9250E+00	1.9757E+00	2.9651E+01	2.6744E+02	1.9498E+01
IKE	1.9510E+00	2.3291E+01	1.4916E+02	9.5735E+00	1.9697E+00	2.8380E+01	2.6252E+02	1.8571E+01
JAERI(SRAC)	1.9529E+00	2.3658E+01	1.4577E+02	9.6306E+00	1.9694E+00	2.9327E+01	2.6193E+02	1.8852E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.8863E+00	2.3921E+01	1.4384E+02	9.3149E+00	1.9001E+00	2.9687E+01	2.5462E+02	1.8282E+01
KFK(1985LIB.)	1.8862E+00	2.3780E+01	1.4881E+02	9.1249E+00	1.9001E+00	2.9470E+01	2.5730E+02	1.7735E+01
MAPI-CRC	1.9448E+00	2.3300E+01	1.4134E+02	9.4650E+00	1.9600E+00	2.8814E+01	2.5078E+02	1.8254E+01
NAIG	1.9000E+00	2.3156E+01	1.4624E+02	9.2815E+00	1.9120E+00	2.8688E+01	2.6088E+02	1.8242E+01
PNC	1.9417E+00	2.5694E+01	1.8155E+02	1.0851E+01	1.9600E+00	3.1134E+01	2.9913E+02	2.1620E+01
PSI(BOXER)	1.9074E+00	2.3470E+01	1.3531E+02	9.2662E+00	1.9409E+00	2.8794E+01	2.2272E+02	1.8142E+01
PSI(DANDE)	1.9514E+00	2.2954E+01	1.4637E+02	9.4741E+00	1.9683E+00	2.8563E+01	2.5552E+02	1.8432E+01
STUDSVIK	1.8920E+00	0.0	0.0	9.4890E+00	1.9060E+00	0.0	0.0	1.8539E+01
TUBS(DATUBS4)	1.9650E+00	2.3712E+01	1.7770E+02	1.0711E+01	1.9774E+00	2.8980E+01	2.6316E+02	2.2862E+01
TUBS(DATUBS5)	2.0185E+00	2.3183E+01	1.9073E+02	1.0701E+01	2.0305E+00	2.8571E+01	3.2189E+02	2.3143E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8861E+01

ABSORPTION CROSS SECTION OF PU240 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	9.8047E-01	9.2801E+00	2.1372E+02	6.2265E+00	1.0520E+00	1.1082E+01	2.7509E+02	1.3655E+01
CEA	0.0	0.0	0.0	6.4382E+00	0.0	0.0	0.0	0.0
GKSS	9.8408E-01	8.4186E+00	2.3980E+02	6.6907E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	9.7152E-01	8.2508E+00	2.3579E+02	6.5202E+00	1.0422E+00	9.6572E+00	2.9016E+02	1.4171E+01
HITACHI(J2)	1.0216E+00	8.7266E+00	2.3618E+02	6.7902E+00	1.1010E+00	1.0356E+01	2.9089E+02	1.4635E+01
IKE	1.0315E+00	9.0695E+00	2.4062E+02	6.7411E+00	1.1102E+00	1.0534E+01	2.9391E+02	1.4418E+01
JAERI(SRAC)	1.0304E+00	8.7295E+00	2.3495E+02	6.5597E+00	1.1041E+00	1.0352E+01	2.8635E+02	1.4109E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.0185E+00	8.8832E+00	2.4558E+02	6.4757E+00	1.0809E+00	1.0707E+01	3.0291E+02	1.4503E+01
KFK(1985LIB.)	1.0187E+00	8.8376E+00	2.5109E+02	6.1643E+00	1.0802E+00	1.0645E+01	3.0290E+02	1.3775E+01
MAPI-CRC	1.0280E+00	8.7492E+00	2.3679E+02	6.6881E+00	1.1041E+00	1.0440E+01	2.8891E+02	1.4287E+01
NAIG	1.0240E+00	8.5950E+00	2.5023E+02	6.6477E+00	1.0910E+00	1.0455E+01	3.0871E+02	1.4666E+01
PNC	1.0199E+00	1.0703E+01	5.6860E+02	1.2884E+01	1.0919E+00	1.2575E+01	6.1412E+02	2.8723E+01
PSI(BOXER)	9.9816E-01	8.3057E+00	2.1999E+02	6.1929E+00	1.0817E+00	9.7789E+00	2.5227E+02	1.3747E+01
PSI(DANDE)	1.0122E+00	8.7761E+00	2.5052E+02	6.7593E+00	1.0870E+00	1.0688E+01	3.0462E+02	1.4826E+01
STUDSVIK	9.1100E-01	0.0	0.0	5.8270E+00	9.8000E-01	0.0	0.0	1.2977E+01
TUBS(DATUBS4)	9.8562E-01	8.4666E+00	2.5261E+02	7.2156E+00	1.0582E+00	1.0245E+01	2.9439E+02	1.6581E+01
TUBS(DATUBS5)	1.0280E+00	9.3143E+00	2.6004E+02	7.3978E+00	1.1000E+00	1.1220E+01	3.0303E+02	1.6711E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2077E+01

ABSORPTION CROSS SECTION OF PU241 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.1328E+00	3.8337E+01	1.0625E+02	1.2613E+01	2.1143E+00	4.8012E+01	1.8897E+02	2.0908E+01
CEA	0.0	0.0	0.0	1.1763E+01	0.0	0.0	0.0	0.0
GKSS	2.1295E+00	3.7496E+01	1.2541E+02	1.2889E+01	0.0	0.0	0.0	0.0
HITACHI(B4)	2.1365E+00	3.8321E+01	1.1520E+02	1.2939E+01	2.1134E+00	4.7431E+01	2.0914E+02	2.1842E+01
HITACHI(J2)	2.2394E+00	3.9292E+01	1.2149E+02	1.3575E+01	2.2162E+00	5.0142E+01	2.1369E+02	2.3083E+01
IKE	2.2342E+00	3.8439E+01	1.1865E+02	1.3111E+01	2.2069E+00	4.9637E+01	2.0878E+02	2.2363E+01
JAERI(SRAC)	2.2337E+00	3.7947E+01	1.1612E+02	1.2984E+01	2.2050E+00	4.8659E+01	2.0919E+02	2.2204E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.1443E+00	3.8647E+01	1.1374E+02	1.2662E+01	2.1146E+00	5.0145E+01	2.0406E+02	2.1939E+01
KFK(1985LIB.)	2.1440E+00	3.8340E+01	1.1707E+02	1.2453E+01	2.1154E+00	4.9689E+01	2.0603E+02	2.1441E+01
MAPI-CRC	2.2086E+00	3.7850E+01	1.1276E+02	1.2824E+01	2.1766E+00	4.8525E+01	1.9920E+02	2.1620E+01
NAIG	2.2050E+00	3.9513E+01	1.1347E+02	1.3010E+01	2.1770E+00	5.0546E+01	2.0287E+02	2.1998E+01
PNC	2.2055E+00	4.0293E+01	1.3426E+02	1.3895E+01	2.1837E+00	5.1205E+01	2.2802E+02	2.4255E+01
PSI(BOXER)	2.1315E+00	3.5868E+01	1.0400E+02	1.1984E+01	2.1313E+00	4.4895E+01	1.7330E+02	2.0483E+01
PSI(DANDE)	2.2365E+00	3.8516E+01	1.1548E+02	1.3171E+01	2.2081E+00	4.9183E+01	2.0024E+02	2.2104E+01
STUDSVIK	2.2100E+00	0.0	0.0	1.3907E+01	2.1740E+00	0.0	0.0	2.3117E+01
TUBS(DATUBS4)	2.2945E+00	3.6829E+01	1.9195E+02	1.3394E+01	2.2654E+00	4.6526E+01	2.8085E+02	2.5848E+01
TUBS(DATUBS5)	2.3804E+00	3.7212E+01	2.1503E+02	1.4205E+01	2.3410E+00	4.8427E+01	3.0860E+02	2.6900E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2841E+01

ABSORPTION CROSS SECTION OF PU242 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	7.8842E-01	5.6014E+00	2.2794E+02	5.3956E+00	8.6819E-01	6.1599E+00	1.9781E+02	9.4173E+00
CEA	0.0	0.0	0.0	5.4843E+00	0.0	0.0	0.0	0.0
GKSS	7.9501E-01	5.8745E+00	2.1836E+02	5.5741E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	7.7827E-01	5.0305E+00	2.2647E+02	5.4267E+00	8.5557E-01	5.5955E+00	1.9158E+02	9.2494E+00
HITACHI(J2)	8.2818E-01	4.5974E+00	2.1520E+02	5.2636E+00	8.9856E-01	5.0020E+00	1.7151E+02	8.5069E+00
IKE	8.3784E-01	5.1362E+00	2.1178E+02	5.1678E+00	9.0875E-01	5.6232E+00	1.7843E+02	8.7136E+00
JAERI(SRAC)	8.3715E-01	5.1724E+00	2.2030E+02	5.2967E+00	9.0323E-01	5.6074E+00	1.7864E+02	8.7258E+00
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	8.1937E-01	5.3611E+00	2.0483E+02	4.8792E+00	8.8046E-01	5.7457E+00	1.5470E+02	7.7099E+00
KFK(1985LIB.)	8.1950E-01	5.4903E+00	4.3769E+02	7.6186E+00	8.7982E-01	5.9486E+00	3.4829E+02	1.3939E+01
MAPI-CRC	8.3097E-01	4.8632E+00	1.9055E+02	4.8441E+00	8.9872E-01	5.3554E+00	1.6672E+02	8.2543E+00
NAIG	8.4500E-01	4.8720E+00	2.2413E+02	5.2101E+00	9.0600E-01	5.2990E+00	1.8682E+02	8.7817E+00
PNC	8.2511E-01	5.2625E+00	2.0576E+02	5.3427E+00	8.8892E-01	5.6878E+00	1.5982E+02	8.5378E+00
PSI(BOXER)	8.0429E-01	5.8924E+00	3.9671E+02	8.2045E+00	8.9161E-01	6.3795E+00	3.0023E+02	1.4698E+01
PSI(DANDE)	8.1910E-01	4.8455E+00	2.7072E+02	5.9246E+00	8.8725E-01	5.3031E+00	2.1860E+02	1.0078E+01
STUDSVIK	7.9500E-01	0.0	0.0	8.9120E+00	8.7300E-01	0.0	0.0	1.5395E+01
TUBS(DATUBS4)	8.2309E-01	1.6619E+01	2.3906E+02	5.7341E+00	8.8616E-01	2.6680E+01	1.8200E+02	9.7591E+00
TUBS(DATUBS5)	8.4472E-01	1.6247E+01	2.3548E+02	5.6260E+00	9.0812E-01	2.5861E+01	1.7951E+02	9.4846E+00
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5689E+01

ABSORPTION CROSS SECTION OF AM241 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.5869E+00	2.4426E+01	3.2713E+02	1.2113E+01	1.6342E+00	2.9698E+01	3.7486E+02	2.2561E+01
CEA	0.0	0.0	0.0	1.1774E+01	0.0	0.0	0.0	0.0
GKSS	1.0919E+00	2.9080E+01	4.0053E+02	1.4491E+01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.7319E+00	2.3501E+01	2.8726E+02	1.1694E+01	1.7700E+00	2.8136E+01	3.4218E+02	2.1478E+01
HITACHI(J2)	1.7457E+00	2.3366E+01	2.8590E+02	1.1840E+01	1.7935E+00	2.8063E+01	3.3803E+02	2.1640E+01
IKE	1.7062E+00	2.3708E+01	3.5086E+02	1.2608E+01	1.7312E+00	2.8621E+01	4.0245E+02	2.3638E+01
JAERI(SRAC)	1.7523E+00	2.3118E+01	3.0306E+02	1.1760E+01	1.7914E+00	2.7807E+01	3.4988E+02	2.1577E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.5881E+00	2.3230E+01	3.3539E+02	1.1697E+01	1.6189E+00	2.7929E+01	3.8719E+02	2.2418E+01
KFK(1985LIB.)	1.5868E+00	2.3134E+01	3.4148E+02	1.1242E+01	1.6177E+00	2.7781E+01	3.8783E+02	2.1503E+01
MAPI-CRC	1.7416E+00	2.3055E+01	3.0969E+02	1.1923E+01	1.7854E+00	2.7226E+01	3.5370E+02	2.1560E+01
NAIG	1.1010E+00	3.1456E+01	3.9332E+02	1.4460E+01	1.1560E+00	3.8359E+01	4.3149E+02	2.6400E+01
PNC	1.7194E+00	2.3291E+01	3.3285E+02	1.2603E+01	1.7670E+00	2.7616E+01	3.7555E+02	2.3614E+01
PSI(BOXER)	1.0952E+00	2.8912E+01	3.2692E+02	1.2978E+01	1.1705E+00	3.5129E+01	3.4083E+02	2.4153E+01
PSI(DANDE)	1.6987E+00	2.3246E+01	3.4687E+02	1.2396E+01	1.7228E+00	2.7709E+01	3.9650E+02	2.3215E+01
STUDSVIK	1.0140E+00	0.0	0.0	1.0194E+01	1.0860E+00	0.0	0.0	2.0854E+01
TUBS(DATUBS4)	1.7153E+00	2.6528E+01	3.5943E+02	1.3534E+01	1.7527E+00	3.2928E+01	3.9898E+02	2.6720E+01
TUBS(DATUBS5)	1.8214E+00	2.4811E+01	3.7551E+02	1.3214E+01	1.8334E+00	3.1047E+01	4.2273E+02	2.6609E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2667E+01

ABSORPTION CROSS SECTION OF AM243 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	9.8047E-01	2.2975E+01	4.6270E+02	1.3344E+01	1.0520E+00	2.8548E+01	4.1841E+02	2.3433E+01
CEA	0.0	0.0	0.0	1.3494E+01	0.0	0.0	0.0	0.0
GKSS	7.8530E-01	1.8177E+01	3.6302E+02	1.0956E+01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.3782E+00	2.3812E+01	4.0788E+02	1.3431E+01	1.4156E+00	2.8552E+01	3.7637E+02	2.2624E+01
HITACHI(J2)	1.3911E+00	2.3657E+01	4.1409E+02	1.3740E+01	1.4359E+00	2.8552E+01	3.7002E+02	2.2751E+01
IKE	1.3891E+00	2.3980E+01	4.6675E+02	1.4230E+01	1.4146E+00	2.9330E+01	4.1015E+02	2.3889E+01
JAERI(SRAC)	1.3997E+00	2.3488E+01	4.4482E+02	1.3770E+01	1.4371E+00	2.8668E+01	3.9313E+02	2.3158E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.2771E+01	2.4568E+01	4.7321E+02	1.3786E+01	1.3159E+00	3.0476E+01	4.1819E+02	2.3989E+01
KFK(1985LIB.)	1.2759E+00	2.4375E+01	4.6492E+02	1.2912E+01	1.3145E+00	3.0178E+01	3.9880E+02	2.2286E+01
MAPI-CRC	1.3848E+00	2.4291E+01	4.3635E+02	1.3985E+01	1.4269E+00	2.9487E+01	3.8369E+02	2.3023E+01
NAIG	7.9300E-01	1.7978E+01	3.1230E+02	9.7100E+00	8.4400E-01	2.1776E+01	2.8345E+02	1.6514E+01
PNC	0.0	1.8895E+01	3.6511E+02	1.0791E+01	0.0	2.2820E+01	3.1965E+02	1.8875E+01
PSI(BOXER)	7.8987E-01	1.6401E+01	3.1329E+02	9.4736E+00	8.5598E-01	1.9567E+01	2.5807E+02	1.6412E+01
PSI(DANDE)	1.3793E+00	2.4428E+01	4.7209E+02	1.4357E+01	1.4039E+00	2.9789E+01	4.1061E+02	2.4072E+01
STUDSVIK	7.8600E-01	0.0	0.0	9.7090E+00	8.3900E-01	0.0	0.0	1.7254E+01
TUBS(DATUBS4)	8.5078E-01	1.8856E+01	2.7674E+02	1.0041E+01	9.0025E-01	2.3482E+01	2.5136E+02	1.7923E+01
TUBS(DATUBS5)	8.5533E-01	1.8415E+01	2.7761E+02	9.7403E+00	9.0373E-01	2.3102E+01	2.5344E+02	1.7462E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3322E+01

ABSORPTION CROSS SECTION OF CM244 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.3241E+00	2.1277E+01	1.9488E+00	6.2465E+00	1.3993E+00	3.1384E+01	2.1766E+00	9.2670E+00
CEA	0.0	0.0	0.0	7.7195E+00	0.0	0.0	0.0	0.0
GKSS	1.1845E+00	2.5124E+01	1.8385E+00	7.1274E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	1.1520E+00	2.0802E+01	2.6551E+00	6.0638E+00	1.2339E+00	2.9162E+01	3.1458E+00	8.6876E+00
HITACHI(J2)	1.1498E+00	2.0860E+01	2.6920E+00	6.1764E+00	1.2417E+00	2.9284E+01	3.1336E+00	8.8000E+00
IKE	1.2278E+00	2.3094E+01	2.6495E+00	6.7350E+00	1.3204E+00	3.3385E+01	3.0653E+00	9.8504E+00
JAERI(SRAC)	1.1569E+00	2.0907E+01	3.4239E+00	6.1703E+00	1.2433E+00	2.9417E+01	3.6775E+00	8.8204E+00
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.2310E+00	2.5354E+01	2.6302E+00	7.1353E+00	1.3133E+00	3.7195E+01	3.0852E+00	1.0733E+01
KFK(1985LIB.)	1.2306E+00	2.4490E+01	2.6280E+00	6.9162E+00	1.3117E+00	3.5431E+01	3.0721E+00	1.0292E+01
MAPI-CRC	1.1563E+00	2.7470E+01	2.6223E+00	7.7192E+00	1.2451E+00	3.8367E+01	3.0262E+00	1.0990E+01
NAIG	1.1980E+00	2.5520E+01	2.4680E+00	7.1625E+00	1.2930E+00	3.5519E+01	2.8680E+00	1.0231E+01
PNC	0.0	2.9177E+01	2.5217E+00	7.3157E+00	0.0	4.0941E+01	2.9597E+00	1.0990E+01
PSI(BOXER)	1.1995E+00	2.0289E+01	2.1832E+00	5.8941E+00	1.3146E+00	2.9526E+01	2.4201E+00	8.8051E+00
PSI(DANDE)	1.1859E+00	2.3744E+01	2.6283E+00	6.9418E+00	1.2758E+00	3.4212E+01	3.0059E+00	1.0184E+01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.1604E+00	2.3889E+01	2.7779E+00	7.3228E+00	1.2665E+00	3.4215E+01	3.2214E+00	1.0960E+01
TUBS(DATUBS5)	1.1614E+00	2.3340E+01	2.7613E+00	7.1866E+00	1.2675E+00	3.3708E+01	3.1873E+00	1.0840E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION CROSS SECTION OF U235 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.4555E+00	1.6657E+01	4.1789E+01	5.8060E+00	1.4504E+00	1.8977E+01	6.3512E+01	8.2852E+00
CEA	0.0	0.0	0.0	5.5327E+00	0.0	0.0	0.0	0.0
GKSS	1.4515E+00	1.6482E+01	4.8744E+01	5.9415E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	1.4526E+00	1.6573E+01	4.4478E+01	5.9006E+00	1.4427E+00	1.8931E+01	7.0024E+01	8.6314E+00
HITACHI(J2)	1.4802E+00	1.6338E+01	4.5527E+01	5.9647E+00	1.4767E+00	1.8467E+01	7.0121E+01	8.6339E+00
IKE	1.4466E+00	1.6557E+01	4.4513E+01	5.9010E+00	1.4393E+00	1.9051E+01	6.8148E+01	8.5540E+00
JAERI(SRAC)	1.4767E+00	1.6375E+01	4.3334E+01	5.8745E+00	1.4684E+00	1.8659E+01	6.7867E+01	8.4918E+00
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.4646E+00	1.5767E+01	4.0170E+01	5.5131E+00	1.4558E+00	1.8234E+01	6.5808E+01	8.1571E+00
KFK(1985LIB.)	1.4643E+00	1.5742E+01	4.0960E+01	5.4551E+00	1.4560E+00	1.8189E+01	6.6189E+01	8.0173E+00
MAPI-CRC	1.4727E+00	1.5717E+01	4.2018E+01	5.6570E+00	1.4647E+00	1.7809E+01	6.5092E+01	8.1030E+00
NAIG	1.4450E+00	1.6951E+01	4.1908E+01	5.8483E+00	1.4370E+00	1.9321E+01	6.5551E+01	8.4001E+00
PNC	1.5657E+00	1.5785E+01	4.6012E+01	5.8502E+00	1.5586E+00	1.8033E+01	7.0533E+01	8.6991E+00
PSI(BOXER)	1.4579E+00	1.6152E+01	3.8903E+01	5.6417E+00	1.4657E+00	1.8514E+01	5.7032E+01	8.2590E+00
PSI(DANDE)	1.4510E+00	1.6026E+01	4.2324E+01	5.7738E+00	1.4447E+00	1.8282E+01	6.4856E+01	8.2976E+00
STUDSVIK	1.4500E+00	0.0	0.0	5.7980E+00	1.4380E+00	0.0	0.0	8.3320E+00
TUBS(DATUBS4)	1.4020E+00	1.6040E+01	5.2043E+01	6.0544E+00	1.3503E+00	1.8443E+01	7.9654E+01	9.5537E+00
TUBS(DATUBS5)	1.3969E+00	1.5638E+01	5.1204E+01	5.9083E+00	1.3441E+00	1.8111E+01	7.7743E+01	9.2452E+00
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1891E+00

FISSION CROSS SECTION OF U238 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2129E-01	0.0	1.5730E-10	9.2096E-02	1.5321E-01	0.0	1.4123E-10	1.1020E-01
CEA	0.0	0.0	0.0	9.3805E-02	0.0	0.0	0.0	0.0
GKSS	1.2911E-01	2.4737E-05	0.0	9.5033E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.2009E-01	8.1692E-05	4.2516E-08	8.8315E-02	1.4808E-01	7.5397E-05	3.6074E-08	1.0344E-01
HITACHI(J2)	1.2835E-01	1.4806E-04	5.2966E-07	9.3734E-02	1.5912E-01	1.3892E-04	6.3258E-07	1.1062E-01
IKE	1.3435E-01	1.4348E-04	5.2477E-07	9.8585E-02	1.6567E-01	1.3368E-04	6.2336E-07	1.1581E-01
JAERI(SRAC)	1.3506E-01	1.5894E-04	0.0	9.8980E-02	1.6326E-01	1.4606E-04	0.0	1.1388E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.2831E-01	0.0	0.0	9.5158E-02	1.5560E-01	0.0	0.0	1.0941E-01
KFK(1985LIB.)	1.2747E-01	0.0	0.0	9.4734E-02	1.5431E-01	0.0	0.0	1.0876E-01
MAPI-CRC	1.3575E-01	1.4844E-04	5.1501E-07	9.9866E-02	1.6608E-01	1.4105E-04	6.0881E-07	1.1652E-01
NAIG	1.3300E-01	0.0	0.0	9.8200E-02	1.5800E-01	0.0	0.0	1.1130E-01
PNC	1.2564E-01	0.0	0.0	9.2238E-02	1.5556E-01	0.0	0.0	1.0810E-01
PSI(BOXER)	1.2872E-01	1.3848E-04	2.8410E-07	9.5160E-02	1.5907E-01	1.2559E-04	2.0483E-07	1.1066E-01
PSI(DANDE)	1.2680E-01	1.4966E-04	5.1910E-07	9.2002E-02	1.5596E-01	1.4045E-04	6.1072E-07	1.0838E-01
STUDSVIK	1.3800E-01	0.0	0.0	1.0200E-01	1.6800E-01	0.0	0.0	1.1800E-01
TUBS(DATUBS4)	9.4711E-02	2.4792E-05	0.0	7.2206E-02	1.1429E-01	2.2040E-05	0.0	8.1812E-02
TUBS(DATUBS5)	9.8603E-02	1.5059E-04	5.6798E-07	7.5190E-02	1.1838E-01	1.3452E-04	6.7410E-07	8.4868E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1599E-01

FISSION CROSS SECTION OF PU239 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.6981E+00	1.3322E+01	9.0831E+01	5.9061E+00	1.7364E+00	1.6511E+01	1.5889E+02	1.1321E+01
CEA	0.0	0.0	0.0	6.0109E+00	0.0	0.0	0.0	0.0
GKSS	1.7004E+00	1.3001E+01	9.7029E+01	6.0434E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	1.6958E+00	1.3367E+01	9.8123E+01	6.1337E+00	1.7238E+00	1.6628E+01	1.7319E+02	1.2083E+01
HITACHI(J2)	1.7395E+00	1.3359E+01	9.9677E+01	6.2774E+00	1.7788E+00	1.6586E+01	1.7334E+02	1.2280E+01
IKE	1.7347E+00	1.3341E+01	9.9464E+01	6.1526E+00	1.7687E+00	1.6211E+01	1.7205E+02	1.1874E+01
JAERI(SRAC)	1.7390E+00	1.3222E+01	9.5713E+01	6.0755E+00	1.7714E+00	1.6360E+01	1.6953E+02	1.1852E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.7062E+00	1.3526E+01	9.4282E+01	5.9288E+00	1.7343E+00	1.6795E+01	1.6523E+02	1.1572E+01
KFK(1985LIB.)	1.7062E+00	1.3446E+01	9.7383E+01	5.8064E+00	1.7340E+00	1.6670E+01	1.6690E+02	1.1218E+01
MAPI-CRC	1.7386E+00	1.3107E+01	9.3003E+01	6.0114E+00	1.7711E+00	1.6142E+01	1.6240E+02	1.1521E+01
NAIG	1.7140E+00	1.3248E+01	9.5529E+01	5.9540E+00	1.7410E+00	1.6380E+01	1.6824E+02	1.1572E+01
PNC	1.7355E+00	1.4304E+01	1.1748E+02	6.7942E+00	1.7680E+00	1.7312E+01	1.9205E+02	1.3525E+01
PSI(BOXER)	1.7172E+00	1.3191E+01	8.8384E+01	5.8811E+00	1.7648E+00	1.6245E+01	1.4380E+02	1.1451E+01
PSI(DANDE)	1.7344E+00	1.3193E+01	9.7522E+01	6.0958E+00	1.7673E+00	1.6297E+01	1.6732E+02	1.1756E+01
STUDSVIK	1.7050E+00	0.0	0.0	6.0470E+00	1.7350E+00	0.0	0.0	1.1710E+01
TUBS(DATUBS4)	1.6365E+00	1.3529E+01	1.1599E+02	6.7231E+00	1.6434E+00	1.6581E+01	1.9504E+02	1.4417E+01
TUBS(DATUBS5)	1.6658E+00	1.3303E+01	1.2456E+02	6.7391E+00	1.6730E+00	1.6367E+01	2.0809E+02	1.4567E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1886E+01

FISSION CROSS SECTION OF PU240 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	7.3788E-01	1.9620E-01	4.1946E-02	5.9061E-01	8.2733E-01	1.8519E-01	5.3335E-02	6.3116E-01
CEA	0.0	0.0	0.0	5.3874E-01	0.0	0.0	0.0	0.0
GKSS	7.4321E-01	1.4512E-01	3.8564E-02	5.8359E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	7.2641E-01	1.8281E-01	4.6226E-02	5.8016E-01	8.1356E-01	1.8101E-01	5.6248E-02	6.1793E-01
HITACHI(J2)	7.4544E-01	2.1287E-01	4.7100E-02	5.9900E-01	8.4312E-01	2.1080E-01	5.8105E-02	6.4431E-01
IKE	7.5795E-01	2.1816E-01	4.7966E-02	6.1146E-01	8.5572E-01	2.1428E-01	5.8663E-02	6.5677E-01
JAERI(SRAC)	7.5706E-01	2.1329E-01	4.6866E-02	6.0908E-01	8.4934E-01	2.1138E-01	5.7213E-02	6.5051E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	7.2954E-01	1.3778E-01	4.5486E-02	5.7530E-01	8.1012E-01	1.4283E-01	5.6146E-02	6.0889E-01
KFK(1985LIB.)	7.2956E-01	1.3772E-01	4.6482E-02	5.7638E-01	8.0893E-01	1.4262E-01	5.6142E-02	6.0932E-01
MAPI-CRC	7.5850E-01	2.0701E-01	4.7192E-02	6.1005E-01	8.5388E-01	2.0851E-01	5.7649E-02	6.5562E-01
NAIG	7.6700E-01	9.8000E-02	4.6000E-02	5.9220E-01	8.5100E-01	9.4000E-02	5.6000E-02	6.2600E-01
PNC	7.5162E-01	2.2202E-01	1.1118E-01	6.0884E-01	8.3917E-01	2.2430E-01	1.2037E-01	6.4750E-01
PSI(BOXER)	7.5743E-01	1.8016E-01	4.2720E-02	6.0456E-01	8.5401E-01	1.7693E-01	4.8864E-02	6.4265E-01
PSI(DANDE)	7.3485E-01	2.0892E-01	4.9839E-02	5.9073E-01	8.2876E-01	2.1175E-01	6.0665E-02	6.3483E-01
STUDSVIK	7.0800E-01	0.0	0.0	5.6800E-01	7.9200E-01	0.0	0.0	6.0900E-01
TUBS(DATUBS4)	6.2689E-01	1.7640E-01	4.6266E-02	5.2325E-01	6.9720E-01	1.7361E-01	5.1187E-02	5.4922E-01
TUBS(DATUBS5)	6.3073E-01	2.0956E-01	5.1790E-02	5.3657E-01	7.0282E-01	2.0792E-01	6.0548E-02	5.6515E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7931E-01

FISSION CROSS SECTION OF PU241 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.9003E+00	3.0842E+01	8.2433E+01	1.0231E+01	1.8998E+00	3.8899E+01	1.4287E+02	1.6701E+01
CEA	0.0	0.0	0.0	9.5514E+00	0.0	0.0	0.0	0.0
GKSS	1.8948E+00	3.0230E+01	9.1568E+01	1.0368E+01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.8945E+00	3.0649E+01	8.8956E+01	1.0436E+01	1.8850E+00	3.8224E+01	1.5780E+02	1.7326E+01
HITACHI(J2)	1.9481E+00	2.9697E+01	9.2471E+01	1.0457E+01	1.9407E+00	3.7735E+01	1.6051E+02	1.7551E+01
IKE	1.9396E+00	2.9073E+01	9.0300E+01	1.0109E+01	1.9244E+00	3.7253E+01	1.5685E+02	1.6977E+01
JAERI(SRAC)	1.9460E+00	2.8651E+01	8.8454E+01	1.0005E+01	1.9315E+00	3.6494E+01	1.5728E+02	1.6861E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.9057E+00	2.8944E+01	8.5036E+01	9.7036E+00	1.8932E+00	3.7503E+01	1.4951E+02	1.6515E+01
KFK(1985LIB.)	1.9055E+00	2.8715E+01	8.7298E+01	9.5445E+00	1.8936E+00	3.7163E+01	1.5084E+02	1.6146E+01
MAPI-CRC	1.9347E+00	2.8853E+01	8.5670E+01	9.9555E+00	1.9212E+00	3.6847E+01	1.4952E+02	1.6541E+01
NAIG	1.9240E+00	3.0050E+01	8.6422E+01	1.0079E+01	1.9090E+00	3.8238E+01	1.5232E+02	1.6785E+01
PNC	1.9286E+00	3.0600E+01	1.0122E+02	1.0731E+01	1.9212E+00	3.8747E+01	1.7054E+02	1.8464E+01
PSI(BOXER)	1.9020E+00	2.8756E+01	8.0186E+01	9.7015E+00	1.9152E+00	3.6241E+01	1.3073E+02	1.6292E+01
PSI(DANDE)	1.9461E+00	2.9381E+01	8.7680E+01	1.0217E+01	1.9323E+00	3.7396E+01	1.5022E+02	1.6908E+01
STUDSVIK	1.9280E+00	0.0	0.0	1.0722E+01	1.9080E+00	0.0	0.0	1.7596E+01
TUBS(DATUBS4)	1.9488E+00	2.9952E+01	1.4082E+02	1.1172E+01	1.9131E+00	3.8133E+01	2.0559E+02	2.0278E+01
TUBS(DATUBS5)	1.9943E+00	2.8569E+01	1.5200E+02	1.0942E+01	1.9498E+00	3.7051E+01	2.2370E+02	2.0398E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7387E+01

FISSION CROSS SECTION OF PU242 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.3680E-01	0.0	0.0	4.7049E-01	7.2519E-01	0.0	0.0	5.1094E-01
CEA	0.0	0.0	0.0	4.4003E-01	0.0	0.0	0.0	0.0
GKSS	6.4161E-01	0.0	0.0	4.7223E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	6.2191E-01	0.0	0.0	4.5721E-01	7.0952E-01	0.0	0.0	4.9556E-01
HITACHI(J2)	5.8521E-01	2.6998E-02	1.5905E-01	4.3662E-01	6.7068E-01	2.6378E-02	1.3392E-01	4.7822E-01
IKE	5.9581E-01	2.6865E-02	1.4192E-01	4.4598E-01	6.8173E-01	2.6290E-02	1.1969E-01	4.8780E-01
JAERI(SRAC)	5.9644E-01	2.8053E-02	1.6198E-01	4.4649E-01	6.7767E-01	2.7609E-02	1.3826E-01	4.8497E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.8470E-01	1.2404E-02	6.9211E-05	4.3666E-01	6.5915E-01	1.2480E-02	6.4379E-05	4.6672E-01
KFK(1985LIB.)	5.8473E-01	1.2639E-02	6.8773E-05	4.3766E-01	6.5810E-01	1.2840E-02	6.3632E-05	4.6719E-01
MAPI-CRC	5.9556E-01	2.6489E-02	1.4204E-01	4.4677E-01	6.7973E-01	2.6806E-02	1.2992E-01	4.8871E-01
NAIG	6.1100E-01	2.7000E-02	1.6500E-01	4.6130E-01	6.8600E-01	2.7000E-02	1.4400E-01	4.9550E-01
PNC	5.8980E-01	2.7568E-02	3.7621E-01	4.4607E-01	6.6697E-01	2.7440E-02	2.8451E-01	4.8220E-01
PSI(BOXER)	6.5340E-01	0.0	0.0	4.8286E-01	7.4998E-01	0.0	0.0	5.2160E-01
PSI(DANDE)	5.7494E-01	2.5740E-02	1.8133E-01	4.2932E-01	6.5853E-01	2.5507E-02	1.4655E-01	4.6971E-01
STUDSVIK	6.4300E-01	0.0	0.0	4.7400E-01	7.3300E-01	0.0	0.0	5.1500E-01
TUBS(DATUBS4)	4.9913E-01	2.4331E-02	1.2666E-04	3.8641E-01	5.6105E-01	2.3453E-02	1.6132E-04	4.0776E-01
TUBS(DATUBS5)	4.9599E-01	3.3562E-02	1.5777E-01	3.8731E-01	5.5870E-01	3.8670E-02	1.2045E-01	4.1227E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9868E-01

FISSION CROSS SECTION OF AM241 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.9744E-01	1.5696E-01	1.3370E+00	5.8060E-01	8.1712E-01	1.8519E-01	1.6366E+00	6.8125E-01
CEA	0.0	0.0	0.0	5.3419E-01	0.0	0.0	0.0	0.0
GKSS	6.6898E-01	9.9211E-01	1.6951E+00	7.6566E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	7.0990E-01	1.7849E-01	1.4072E+00	5.8870E-01	8.2626E-01	2.1295E-01	1.7405E+00	6.9828E-01
HITACHI(J2)	7.1340E-01	1.7770E-01	1.4103E+00	5.8870E-01	8.3872E-01	2.1259E-01	1.7263E+00	7.0561E-01
IKE	6.5022E-01	1.6382E-01	2.1228E+00	5.5079E-01	7.6229E-01	2.0069E-01	2.5445E+00	6.7974E-01
JAERI(SRAC)	7.3314E-01	1.7609E-01	1.4831E+00	6.0422E-01	8.5060E-01	2.0973E-01	1.7775E+00	7.1457E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.8615E-01	1.6378E-01	1.9541E+00	5.7709E-01	7.9146E-01	2.0022E-01	2.3816E+00	6.9481E-01
KFK(1985LIB.)	6.8515E-01	1.6287E-01	1.9920E+00	5.7471E-01	7.8893E-01	1.9882E-01	2.3835E+00	6.8852E-01
MAPI-CRC	7.2908E-01	1.7846E-01	1.5157E+00	6.0454E-01	8.5204E-01	2.0958E-01	1.7943E+00	7.1944E-01
NAIG	6.8200E-01	1.0050E+00	1.9380E+00	7.8030E-01	7.7100E-01	9.7900E-01	2.2600E+00	8.7910E-01
PNC	7.0745E-01	1.8081E-01	1.6564E+00	5.9193E-01	8.2273E-01	2.1309E-01	1.9413E+00	7.0611E-01
PSI(BOXER)	6.7732E-01	9.4416E-01	1.5578E+00	7.5622E-01	7.8261E-01	9.0455E-01	1.7550E+00	8.5542E-01
PSI(DANDE)	6.1752E-01	1.6312E-01	2.0670E+00	5.2387E-01	7.2537E-01	1.9779E-01	2.4779E+00	6.4812E-01
STUDSVIK	6.2100E-01	0.0	0.0	4.5700E-01	7.2700E-01	0.0	0.0	5.1100E-01
TUBS(DATUBS4)	5.9576E-01	1.5942E-01	1.5681E+00	5.2075E-01	6.8178E-01	1.8453E-01	1.8541E+00	6.1945E-01
TUBS(DATUBS5)	5.3723E-01	1.6472E-01	2.4204E+00	4.8912E-01	6.1590E-01	2.0656E-01	2.7927E+00	6.1304E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7913E-01

FISSION CROSS SECTION OF AM243 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.6604E-01	3.2372E-03	0.0	4.2044E-01	6.6391E-01	2.7291E-03	0.0	4.7086E-01
CEA	0.0	0.0	0.0	3.9311E-01	0.0	0.0	0.0	0.0
GKSS	4.8076E-01	0.0	0.0	3.5384E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	5.8559E-01	7.2835E-02	1.1735E+00	4.6731E-01	6.8558E-01	8.7316E-02	1.0778E+00	5.4221E-01
HITACHI(J2)	5.8870E-01	7.2350E-02	1.1916E+00	4.6750E-01	6.9633E-01	8.7340E-02	1.0598E+00	5.4759E-01
IKE	5.2864E-01	1.7672E-02	3.0246E-01	3.9688E-01	6.2384E-01	2.1239E-02	2.6462E-01	4.5136E-01
JAERI(SRAC)	6.0710E-01	7.1890E-02	1.2798E+00	4.8250E-01	7.0822E-01	8.7809E-02	1.1260E+00	5.5880E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.1016E-01	8.5938E-03	2.6038E-03	4.5465E-01	7.0490E-01	7.7915E-03	2.4856E-03	4.9774E-01
KFK(1985LIB.)	6.0929E-01	8.6014E-03	2.5730E-03	4.5496E-01	7.0265E-01	7.7929E-03	2.4523E-03	4.9734E-01
MAPI-CRC	6.0294E-01	7.4414E-02	1.2534E+00	4.8181E-01	7.0895E-01	9.0401E-02	1.0982E+00	5.6204E-01
NAIG	4.9200E-01	0.0	0.0	3.6450E-01	5.6800E-01	0.0	0.0	4.0020E-01
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	4.8849E-01	0.0	0.0	3.6100E-01	5.7612E-01	0.0	0.0	4.0068E-01
PSI(DANDE)	5.0083E-01	1.7982E-02	3.0549E-01	3.7508E-01	5.9295E-01	2.1569E-02	2.6475E-01	4.2744E-01
STUDSVIK	4.8400E-01	0.0	0.0	3.5600E-01	5.6400E-01	0.0	0.0	3.9600E-01
TUBS(DATUBS4)	4.0300E-01	0.0	0.0	3.0723E-01	4.6422E-01	0.0	0.0	3.3232E-01
TUBS(DATUBS5)	4.0088E-01	0.0	0.0	3.0562E-01	4.6208E-01	0.0	0.0	3.3111E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5607E-01

FISSION CROSS SECTION OF CM244 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	8.7939E-01	5.0030E-01	5.4181E-02	7.8081E-01	1.0010E+00	6.7252E-01	7.4768E-02	8.8162E-01
CEA	0.0	0.0	0.0	1.1146E+00	0.0	0.0	0.0	0.0
GKSS	1.0016E+00	1.4215E+00	9.9963E-02	1.0911E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	8.6198E-01	5.1062E-01	1.6738E-01	7.6351E-01	9.6108E-01	6.5701E-01	2.1337E-01	8.4312E-01
HITACHI(J2)	8.5771E-01	5.0868E-01	1.6999E-01	7.5807E-01	9.6646E-01	6.5554E-01	2.1290E-01	8.5460E-01
IKE	8.9705E-01	6.0164E-01	1.0731E-01	8.1062E-01	1.0147E+00	7.7030E-01	1.4835E-01	9.1799E-01
JAERI(SRAC)	8.6769E-01	5.0475E-01	1.8114E-01	7.6566E-01	9.7126E-01	6.5521E-01	2.2021E-01	8.5950E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	9.1417E-01	6.1147E-01	1.0480E-01	8.2861E-01	1.0191E+00	8.0528E-01	1.4849E-01	9.3192E-01
KFK(1985LIB.)	9.1384E-01	5.9893E-01	1.0606E-01	8.2648E-01	1.0171E+00	7.7912E-01	1.4889E-01	9.2817E-01
MAPI-CRC	8.6989E-01	5.9934E-01	1.6424E-01	7.9134E-01	9.7635E-01	7.7982E-01	2.0360E-01	8.9596E-01
NAIG	1.0170E+00	1.4280E+00	1.4600E-01	1.1039E+00	1.1230E+00	2.0070E+00	1.6800E-01	1.3177E+00
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	1.0168E+00	1.0401E+00	1.2871E-01	1.0083E+00	1.1420E+00	1.5860E+00	1.4204E-01	1.2186E+00
PSI(DANDE)	8.6647E-01	5.2380E-01	1.0451E-01	7.6775E-01	9.7932E-01	7.0496E-01	1.4288E-01	8.7488E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	8.3360E-01	1.3480E+00	1.6372E-01	9.9115E-01	9.2037E-01	1.9466E+00	1.8890E-01	1.2243E+00
TUBS(DATUBS5)	8.2814E-01	1.3166E+00	1.6267E-01	9.8004E-01	9.1537E-01	1.9174E+00	1.8699E-01	1.2143E+00
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF U235 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.6793E+00	4.0289E+01	1.0107E+02	1.4155E+01	3.6975E+00	4.5897E+01	1.5362E+02	2.0177E+01
CEA	0.0	0.0	0.0	1.3495E+01	0.0	0.0	0.0	0.0
GKSS	3.6725E+00	3.6110E+01	1.1824E+02	1.3565E+01	0.0	0.0	0.0	0.0
HITACHI(B4)	3.6631E+00	4.0088E+01	1.0770E+02	1.4386E+01	3.6660E+00	4.5795E+01	1.6982E+02	2.1019E+01
HITACHI(J2)	3.7369E+00	3.9681E+01	1.1055E+02	1.4590E+01	3.7564E+00	4.4842E+01	1.7031E+02	2.1085E+01
IKE	3.6569E+00	4.0344E+01	1.0846E+02	1.4476E+01	3.6658E+00	4.6421E+01	1.6606E+02	2.0954E+01
JAERI(SRAC)	3.7363E+00	3.9774E+01	1.0524E+02	1.4378E+01	3.7428E+00	4.5319E+01	1.6482E+02	2.0748E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.7022E+00	3.8203E+01	9.7335E+01	1.3472E+01	3.7051E+00	4.4183E+01	1.5945E+02	1.9889E+01
KFK(1985LIB.)	3.7001E+00	3.8144E+01	9.9250E+01	1.3331E+01	3.7036E+00	4.4071E+01	1.6037E+02	1.9550E+01
MAPI-CRC	3.7268E+00	3.8173E+01	1.0201E+02	1.3845E+01	3.7383E+00	4.3261E+01	1.5808E+02	1.9807E+01
NAIG	3.6580E+00	4.1305E+01	1.0212E+02	1.4351E+01	3.6590E+00	4.7079E+01	1.5973E+02	2.0580E+01
PNC	3.9502E+00	3.8438E+01	1.1188E+02	1.4345E+01	3.9589E+00	4.3914E+01	1.7145E+02	2.1290E+01
PSI(BOXER)	3.5075E+00	3.7156E+01	8.9494E+01	1.3092E+01	3.5686E+00	4.2762E+01	1.3173E+02	1.9203E+01
PSI(DANDE)	3.6609E+00	3.9049E+01	1.0313E+02	1.4161E+01	3.6706E+00	4.4548E+01	1.5804E+02	2.0324E+01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.8703E+00	3.9096E+01	1.2683E+02	1.5096E+01	3.8670E+00	4.4947E+01	1.9405E+02	2.3694E+01
TUBS(DATUBS5)	3.8612E+00	3.8105E+01	1.2473E+02	1.4746E+01	3.8537E+00	4.4128E+01	1.8948E+02	2.2943E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF U238 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.5378E-01	0.0	3.6703E-10	2.6027E-01	4.3920E-01	0.0	3.2400E-10	3.1057E-01
CEA	0.0	0.0	0.0	2.6226E-01	0.0	0.0	0.0	0.0
GKSS	3.6217E-01	6.6070E-07	0.0	2.6656E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	3.3407E-01	1.8949E-04	9.8628E-08	2.4570E-01	4.1374E-01	1.7490E-04	8.3677E-08	2.8894E-01
HITACHI(J2)	3.5718E-01	3.4339E-04	1.2285E-06	2.6085E-01	4.4501E-01	3.2240E-04	1.4674E-06	3.0921E-01
IKE	3.7486E-01	3.3282E-04	1.2172E-06	2.7506E-01	4.6457E-01	3.1010E-04	1.4459E-06	3.2474E-01
JAERI(SRAC)	3.7746E-01	3.6864E-04	0.0	2.7661E-01	4.5846E-01	3.3877E-04	0.0	3.1977E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.5878E-01	0.0	0.0	2.6607E-01	4.3695E-01	0.0	0.0	3.0723E-01
KFK(1985LIB.)	3.5586E-01	0.0	0.0	2.6448E-01	4.3265E-01	0.0	0.0	3.0493E-01
MAPI-CRC	3.8026E-01	3.4445E-04	1.1949E-06	2.7980E-01	4.6749E-01	3.2714E-04	1.4122E-06	3.2811E-01
NAIG	3.7200E-01	0.0	0.0	2.7530E-01	4.4400E-01	0.0	0.0	3.1290E-01
PNC	3.4994E-01	0.0	0.0	2.5687E-01	4.3542E-01	0.0	0.0	3.0256E-01
PSI(BOXER)	3.4202E-01	3.0551E-04	6.2668E-07	2.5283E-01	4.2675E-01	2.7817E-04	4.5365E-07	2.9687E-01
PSI(DANDE)	3.5101E-01	3.4717E-04	1.2031E-06	2.5652E-01	4.3694E-01	3.2579E-04	1.4156E-06	3.0362E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.3973E-01	5.7510E-05	0.0	2.5897E-01	4.2265E-01	5.1117E-05	0.0	3.0256E-01
TUBS(DATUBS5)	3.5165E-01	3.4946E-04	1.3173E-06	2.6808E-01	4.3491E-01	3.1203E-04	1.5633E-06	3.1168E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF PU239 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.1449E+00	3.8278E+01	2.6097E+02	1.7148E+01	5.2909E+00	4.7437E+01	4.5654E+02	3.2740E+01
CEA	0.0	0.0	0.0	1.7285E+01	0.0	0.0	0.0	0.0
GKSS	5.1490E+00	3.7358E+01	2.8022E+02	1.7582E+01	0.0	0.0	0.0	0.0
HITACHI(B4)	5.1179E+00	3.8399E+01	2.8202E+02	1.7807E+01	5.2414E+00	4.7773E+01	4.9752E+02	3.4926E+01
HITACHI(J2)	5.2733E+00	3.8496E+01	2.8707E+02	1.8273E+01	5.4392E+00	4.7773E+01	4.9923E+02	3.5586E+01
IKE	5.2306E+00	3.7791E+01	2.8539E+02	1.7717E+01	5.3771E+00	4.5903E+01	4.9378E+02	3.4124E+01
JAERI(SRAC)	5.2838E+00	3.8082E+01	2.7571E+02	1.7700E+01	5.4267E+00	4.7121E+01	4.8835E+02	3.4364E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.1839E+00	3.9018E+01	2.7192E+02	1.7296E+01	5.3105E+00	4.8447E+01	4.7649E+02	3.3593E+01
KFK(1985LIB.)	5.1817E+00	3.8787E+01	2.8086E+02	1.6942E+01	5.3069E+00	4.8087E+01	4.8128E+02	3.2568E+01
MAPI-CRC	5.2824E+00	3.7761E+01	2.6782E+02	1.7519E+01	5.4307E+00	4.6507E+01	4.6784E+02	3.3412E+01
NAIG	5.2140E+00	3.8152E+01	2.7594E+02	1.7365E+01	5.3360E+00	4.7170E+01	4.8611E+02	3.3609E+01
PNC	5.2551E+00	4.1195E+01	3.3836E+02	1.9761E+01	5.3980E+00	4.9879E+01	5.5323E+02	3.9183E+01
PSI(BOXER)	4.9429E+00	3.6049E+01	2.4151E+02	1.6244E+01	5.1412E+00	4.4570E+01	3.9455E+02	3.1624E+01
PSI(DANDE)	5.2179E+00	3.7372E+01	2.7981E+02	1.7545E+01	5.3586E+00	4.6147E+01	4.8016E+02	3.3769E+01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	5.1641E+00	3.8880E+01	3.3312E+02	1.9671E+01	5.3071E+00	4.7657E+01	5.6029E+02	4.1848E+01
TUBS(DATUBS5)	5.2308E+00	3.7683E+01	3.5742E+02	1.9551E+01	5.3694E+00	4.6351E+01	5.9726E+02	4.2038E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF PU240 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.3147E+00	5.4935E-01	1.2234E-01	1.8419E+00	2.6250E+00	5.4582E-01	1.4954E-01	1.9836E+00
CEA	0.0	0.0	0.0	1.6655E+00	0.0	0.0	0.0	0.0
GKSS	2.3430E+00	4.1649E-01	1.1067E-01	1.8295E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	2.2783E+00	5.2461E-01	1.3157E-01	1.8081E+00	2.5694E+00	5.1950E-01	1.6139E-01	1.9373E+00
HITACHI(J2)	2.2861E+00	5.9239E-01	1.3114E-01	1.8217E+00	2.6060E+00	5.8691E-01	1.6176E-01	1.9732E+00
IKE	2.3306E+00	6.0734E-01	1.3353E-01	1.8640E+00	2.6511E+00	5.9652E-01	1.6331E-01	2.0163E+00
JAERI(SRAC)	2.3299E+00	5.9379E-01	1.3046E-01	1.8586E+00	2.6313E+00	5.8847E-01	1.5927E-01	1.9971E+00
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.3251E+00	3.9686E-01	1.3093E-01	1.8230E+00	2.6007E+00	4.1137E-01	1.6162E-01	1.9417E+00
KFK(1985LIB.)	2.3232E+00	3.9668E-01	1.3380E-01	1.8250E+00	2.5944E+00	4.1078E-01	1.6160E-01	1.9414E+00
MAPI-CRC	2.3359E+00	5.7638E-01	1.3138E-01	1.8630E+00	2.6485E+00	5.8048E-01	1.6049E-01	2.0157E+00
NAIG	2.3780E+00	2.7400E-01	1.2800E-01	1.8292E+00	2.6540E+00	2.6500E-01	1.5800E-01	1.9439E+00
PNC	2.2985E+00	6.1798E-01	3.0943E-01	1.8470E+00	2.5862E+00	6.2444E-01	3.3510E-01	1.9767E+00
PSI(BOXER)	2.2673E+00	4.9174E-01	1.1659E-01	1.7979E+00	2.5847E+00	4.8488E-01	1.3390E-01	1.9310E+00
PSI(DANDE)	2.2538E+00	5.8162E-01	1.3874E-01	1.7965E+00	2.5609E+00	5.8952E-01	1.6888E-01	1.9436E+00
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.1803E+00	5.0623E-01	1.3277E-01	1.7919E+00	2.4891E+00	4.9821E-01	1.4686E-01	1.9256E+00
TUBS(DATUBS5)	2.1540E+00	5.8354E-01	1.4422E-01	1.7969E+00	2.4646E+00	5.7873E-01	1.6854E-01	1.9376E+00
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF PU241 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.8120E+00	9.0437E+01	2.4173E+02	3.0181E+01	5.8322E+00	1.1408E+02	4.1896E+02	4.9160E+01
CEA	0.0	0.0	0.0	2.8443E+01	0.0	0.0	0.0	0.0
GKSS	5.7955E+00	8.8644E+01	2.7516E+02	3.0685E+01	0.0	0.0	0.0	0.0
HITACHI(B4)	5.7783E+00	8.9869E+01	2.6085E+02	3.0766E+01	5.7909E+00	1.1208E+02	4.6283E+02	5.0997E+01
HITACHI(J2)	5.9375E+00	8.7053E+01	2.7114E+02	3.0824E+01	5.9546E+00	1.1067E+02	4.7065E+02	5.1657E+01
IKE	5.9181E+00	8.5253E+01	2.6479E+02	2.9811E+01	5.9143E+00	1.0924E+02	4.5994E+02	4.9971E+01
JAERI(SRAC)	5.9381E+00	8.4016E+01	2.5938E+02	2.9509E+01	5.9333E+00	1.0701E+02	4.6118E+02	4.9629E+01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.8033E+00	8.4652E+01	2.4855E+02	2.8547E+01	5.8034E+00	1.0968E+02	4.3699E+02	4.8477E+01
KFK(1985LIB.)	5.8008E+00	8.3982E+01	2.5516E+02	2.8082E+01	5.8022E+00	1.0868E+02	4.4085E+02	4.7395E+01
MAPI-CRC	5.9071E+00	8.4617E+01	2.5121E+02	2.9361E+01	5.9077E+00	1.0810E+02	4.3843E+02	4.8690E+01
NAIG	5.8780E+00	8.8119E+01	2.5341E+02	2.9730E+01	5.8690E+00	1.1213E+02	4.4665E+02	4.9410E+01
PNC	5.8737E+00	8.9729E+01	2.9667E+02	3.1623E+01	5.8904E+00	1.1366E+02	5.0007E+02	5.4311E+01
PSI(BOXER)	5.5323E+00	8.0194E+01	2.2362E+02	2.7223E+01	5.6341E+00	1.0147E+02	3.6603E+02	4.5805E+01
PSI(DANDE)	5.9265E+00	8.6157E+01	2.5710E+02	3.0119E+01	5.9249E+00	1.0966E+02	4.4050E+02	4.9759E+01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	6.1385E+00	8.7835E+01	4.1283E+02	3.3095E+01	6.1416E+00	1.1181E+02	6.0291E+02	5.9851E+01
TUBS(DATUBS5)	6.2457E+00	8.3783E+01	4.4561E+02	3.2384E+01	6.2162E+00	1.0869E+02	6.5607E+02	6.0162E+01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF PU242 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.9609E+00	0.0	0.0	1.4515E+00	2.2675E+00	0.0	0.0	1.5929E+00
CEA	0.0	0.0	0.0	1.3755E+00	0.0	0.0	0.0	0.0
GKSS	1.9986E+00	0.0	0.0	1.4710E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	1.9261E+00	0.0	0.0	1.4161E+00	2.2126E+00	0.0	0.0	1.5451E+00
HITACHI(J2)	1.8094E+00	7.5787E-02	4.4672E-01	1.3474E+00	2.0870E+00	7.4078E-02	3.7613E-01	1.4842E+00
IKE	1.8467E+00	7.5441E-02	3.9851E-01	1.3797E+00	2.1265E+00	7.3825E-02	3.3610E-01	1.5180E+00
JAERI(SRAC)	1.8502E+00	7.8777E-02	4.5485E-01	1.3822E+00	2.1139E+00	7.7529E-02	3.8824E-01	1.5089E+00
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.8750E+00	3.5738E-02	1.9943E-04	1.3993E+00	2.1270E+00	3.5957E-02	1.8550E-04	1.5049E+00
KFK(1985LIB.)	1.8735E+00	3.6417E-02	1.9819E-04	1.4012E+00	2.1216E+00	3.6995E-02	1.8335E-04	1.5050E+00
MAPI-CRC	1.8487E+00	7.4395E-02	3.9876E-01	1.3845E+00	2.1235E+00	7.5292E-02	3.6475E-01	1.5228E+00
NAIG	1.8950E+00	7.6000E-02	4.6200E-01	1.4286E+00	2.1390E+00	7.6000E-02	4.0300E-01	1.5408E+00
PNC	1.8184E+00	7.7426E-02	1.0568E+00	1.3715E+00	2.0704E+00	7.7056E-02	7.9895E-01	1.4918E+00
PSI(BOXER)	1.9312E+00	0.0	0.0	1.4272E+00	2.2415E+00	0.0	0.0	1.5589E+00
PSI(DANDE)	1.7782E+00	7.2283E-02	5.0918E-01	1.3252E+00	2.0496E+00	7.1628E-02	4.1151E-01	1.4577E+00
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.7426E+00	6.8381E-02	3.5593E-04	1.3444E+00	2.0121E+00	6.5895E-02	4.5339E-04	1.4577E+00
TUBS(DATUBS5)	1.7194E+00	9.4242E-02	4.4308E-01	1.3364E+00	1.9866E+00	1.0859E-01	3.3825E-01	1.4567E+00
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF AM241 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.4259E+00	4.9049E-01	4.1335E+00	1.9720E+00	2.8497E+00	5.6531E-01	5.0510E+00	2.3343E+00
CEA	0.0	0.0	0.0	1.9511E+00	0.0	0.0	0.0	0.0
GKSS	2.3043E+00	3.0659E+00	5.0879E+00	2.5381E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	2.5211E+00	5.7549E-01	4.5352E+00	2.0685E+00	2.9504E+00	6.8656E-01	5.6102E+00	2.4497E+00
HITACHI(J2)	2.5405E+00	5.7278E-01	4.5469E+00	2.0743E+00	3.0042E+00	6.8534E-01	5.5662E+00	2.4815E+00
IKE	2.4034E+00	5.4555E-01	7.0688E+00	2.0088E+00	2.8326E+00	6.6831E-01	8.4731E+00	2.4692E+00
JAERI(SRAC)	2.6193E+00	5.6766E-01	4.7807E+00	2.1353E+00	3.0528E+00	6.7608E-01	5.7298E+00	2.5202E+00
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.4026E+00	5.0990E-01	6.0776E+00	1.9941E+00	2.7875E+00	6.2323E-01	7.4071E+00	2.3902E+00
KFK(1985LIB.)	2.3967E+00	5.0707E-01	6.1957E+00	1.9851E+00	2.7756E+00	6.1887E-01	7.4131E+00	2.3684E+00
MAPI-CRC	2.6078E+00	5.7520E-01	4.8870E+00	2.1383E+00	3.0621E+00	6.7572E-01	5.7824E+00	2.5407E+00
NAIG	2.3510E+00	3.1070E+00	5.9870E+00	2.5909E+00	2.6730E+00	3.0250E+00	6.9830E+00	2.9206E+00
PNC	2.5148E+00	5.8305E-01	5.3407E+00	2.0802E+00	2.9406E+00	6.8702E-01	6.2567E+00	2.4766E+00
PSI(BOXER)	2.2129E+00	2.7748E+00	4.5777E+00	2.3868E+00	2.5872E+00	2.6691E+00	5.1781E+00	2.7175E+00
PSI(DANDE)	2.2788E+00	6.5112E-01	6.8832E+00	1.9070E+00	2.6909E+00	6.5866E-01	8.2516E+00	2.3496E+00
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.3440E+00	4.9269E-01	4.8451E+00	1.9921E+00	2.7567E+00	5.7015E-01	5.7300E+00	2.3784E+00
TUBS(DATUBS5)	2.2662E+00	5.4871E-01	8.0600E+00	1.9931E+00	2.6658E+00	6.8790E-01	9.3036E+00	2.4816E+00
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF AM243 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.1024E+00	1.0791E-02	0.0	1.5516E+00	2.4820E+00	9.0644E-03	0.0	1.7432E+00
CEA	0.0	0.0	0.0	1.3651E+00	0.0	0.0	0.0	0.0
GKSS	1.6117E+00	0.0	0.0	1.1862E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	2.0899E+00	2.3385E-01	3.7661E+00	1.6546E+00	2.4595E+00	2.8014E-01	3.4584E+00	1.9209E+00
HITACHI(J2)	2.1074E+00	2.3230E-01	3.8243E+00	1.6601E+00	2.5059E+00	2.8039E-01	3.4023E+00	1.9463E+00
IKE	1.8424E+00	5.4162E-02	9.2678E-01	1.3794E+00	2.1872E+00	6.5094E-02	8.1082E-01	1.5757E+00
JAERI(SRAC)	2.1809E+00	2.3073E-01	4.1075E+00	1.7188E+00	2.5558E+00	2.8181E-01	3.6140E+00	1.9907E+00
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.9743E+00	2.4071E-02	7.2909E-03	1.4701E+00	2.2962E+00	2.1823E-02	6.9594E-03	1.6205E+00
KFK(1985LIB.)	1.9691E+00	2.4091E-02	7.2045E-03	1.4694E+00	2.2861E+00	2.1826E-02	6.8665E-03	1.6171E+00
MAPI-CRC	2.1692E+00	2.3879E-01	4.0217E+00	1.7178E+00	2.5627E+00	2.9009E-01	3.5246E+00	2.0057E+00
NAIG	1.6510E+00	0.0	0.0	1.2221E+00	1.9110E+00	0.0	0.0	1.3459E+00
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	1.5660E+00	0.0	0.0	1.1572E+00	1.8643E+00	0.0	0.0	1.2966E+00
PSI(DANDE)	1.7426E+00	5.5115E-02	9.3528E-01	1.3013E+00	2.0753E+00	6.6104E-02	8.1122E-01	1.4892E+00
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.5536E+00	0.0	0.0	1.1843E+00	1.8365E+00	0.0	0.0	1.3144E+00
TUBS(DATUBS5)	1.5556E+00	0.0	0.0	1.1863E+00	1.8395E+00	0.0	0.0	1.3184E+00
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION CROSS SECTION OF CM244 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.3760E+00	1.7265E+00	1.9225E-01	2.9230E+00	3.8405E+00	2.3197E+00	2.5754E-01	3.3061E+00
CEA	0.0	0.0	0.0	3.7842E+00	0.0	0.0	0.0	0.0
GKSS	3.4896E+00	4.5915E+00	3.0537E-01	3.7111E+00	0.0	0.0	0.0	0.0
HITACHI(B4)	3.0746E+00	1.6544E+00	5.4228E-01	2.6803E+00	3.4511E+00	2.1288E+00	6.9144E-01	2.9993E+00
HITACHI(J2)	3.0688E+00	1.6482E+00	5.5083E-01	2.6667E+00	3.4829E+00	2.1239E+00	6.8973E-01	3.0139E+00
IKE	3.2314E+00	1.9494E+00	3.4768E-01	2.8648E+00	3.6842E+00	2.4958E+00	4.8066E-01	3.2514E+00
JAERI(SRAC)	3.1145E+00	1.6354E+00	5.8691E-01	2.7029E+00	3.5090E+00	2.1229E+00	7.1348E-01	3.0373E+00
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.2822E+00	1.7902E+00	3.0243E-01	2.8751E+00	3.6853E+00	2.3457E+00	4.2835E-01	3.2184E+00
KFK(1985LIB.)	3.2780E+00	1.7541E+00	3.0606E-01	2.8677E+00	3.6746E+00	2.2702E+00	4.2950E-01	3.1979E+00
MAPI-CRC	3.1244E+00	1.9415E+00	5.3206E-01	2.7890E+00	3.5320E+00	2.5266E+00	6.5981E-01	3.1609E+00
NAIG	3.5450E+00	4.6110E+00	4.7000E-01	3.7588E+00	3.9350E+00	6.4830E+00	5.4400E-01	4.4731E+00
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	3.3638E+00	3.1950E+00	3.9538E-01	3.2753E+00	3.8183E+00	4.8914E+00	4.3810E-01	3.9643E+00
PSI(DANDE)	3.1137E+00	1.7714E+00	3.3861E-01	2.7303E+00	3.5471E+00	2.3482E+00	4.6293E-01	3.1118E+00
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.2507E+00	4.3540E+00	5.2874E-01	3.6278E+00	3.6974E+00	6.2873E+00	6.1022E-01	4.4723E+00
TUBS(DATUBS5)	3.2487E+00	4.2539E+00	5.2559E-01	3.6028E+00	3.6985E+00	6.1918E+00	6.0382E-01	4.4533E+00
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U235 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.8700E-03	9.6400E-03	1.4700E-03	1.3000E-02	1.2400E-03	8.2200E-03	3.1600E-03	1.2600E-02
CEA	0.0	0.0	0.0	1.2626E-02	0.0	0.0	0.0	0.0
GKSS	1.8700E-03	9.4000E-03	1.6840E-03	1.2950E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.8680E-03	9.6890E-03	1.5920E-03	1.3150E-02	1.2370E-03	8.1990E-03	3.3420E-03	1.2780E-02
HITACHI(J2)	1.8750E-03	9.9780E-03	1.5930E-03	1.3450E-02	1.2520E-03	8.4250E-03	3.3850E-03	1.3060E-02
IKE	1.8275E-03	9.4411E-03	1.4945E-03	1.2763E-02	1.2243E-03	8.0984E-03	3.2233E-03	1.2546E-02
JAERI(SRAC)	1.8758E-03	9.9792E-03	1.4963E-03	1.3351E-02	1.2602E-03	8.5430E-03	3.2800E-03	1.3083E-02
JAERI(VIM)	1.8754E-03	9.7609E-03	1.5642E-03	1.3201E-02	1.2567E-03	8.4049E-03	3.3217E-03	1.2983E-02
KFK(NEWEST)	1.8976E-03	9.3494E-03	1.3622E-03	1.2609E-02	1.2617E-03	8.1651E-03	3.1769E-03	1.2604E-02
KFK(1985LIB.)	1.8931E-03	9.3385E-03	1.2573E-03	1.2489E-02	1.2568E-03	8.1793E-03	3.0213E-03	1.2458E-02
MAPI-CRC	1.8920E-03	9.6130E-03	1.5380E-03	1.3040E-02	1.2630E-03	8.1220E-03	3.2550E-03	1.2640E-02
NAIG	1.8688E-03	9.6104E-03	1.4509E-03	1.2930E-02	1.2403E-03	8.2047E-03	3.1324E-03	1.2577E-02
PNC	2.0470E-03	9.2290E-03	1.5210E-03	1.2800E-02	1.3490E-03	7.9170E-03	3.2610E-03	1.2530E-02
PSI(BOXER)	1.8946E-03	9.5925E-03	1.3870E-03	1.2874E-02	1.2578E-03	8.2773E-03	3.1215E-03	1.2657E-02
PSI(DANDE)	1.8221E-03	9.6158E-03	1.5130E-03	1.2951E-02	1.2097E-03	8.1632E-03	3.2420E-03	1.2615E-02
STUDSVIK	0.0	0.0	0.0	1.2710E-02	0.0	0.0	0.0	1.2370E-02
TUBS(DATUBS4)	1.8890E-03	9.7690E-03	1.4750E-03	1.3130E-02	1.2660E-03	8.5130E-03	3.3880E-03	1.3170E-02
TUBS(DATUBS5)	1.8590E-03	9.5010E-03	1.3690E-03	1.2730E-02	1.2500E-03	8.3260E-03	3.1470E-03	1.2720E-02
VA.TECH	1.8879E-03	9.2917E-03	1.5294E-03	1.2709E-02	1.2438E-03	8.0572E-03	3.3331E-03	1.2634E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U238 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.0100E-01	2.3500E-01	4.8400E-03	3.4300E-01	7.3500E-02	2.0800E-01	8.1300E-03	2.8900E-01
CEA	0.0	0.0	0.0	3.3120E-01	0.0	0.0	0.0	0.0
GKSS	1.0650E-01	2.2530E-01	2.0300E-03	3.3390E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.0350E-01	2.2120E-01	5.1250E-03	3.2980E-01	7.4180E-02	1.9580E-01	8.3480E-03	2.7840E-01
HITACHI(J2)	1.0290E-01	2.1560E-01	4.9600E-03	3.2340E-01	7.3880E-02	1.9080E-01	8.2200E-03	2.7290E-01
IKE	1.0598E-01	2.2729E-01	4.7367E-03	3.3800E-01	7.7584E-02	1.9934E-01	7.9663E-03	2.8489E-01
JAERI(SRAC)	1.0531E-01	2.2579E-01	4.8997E-03	3.3600E-01	7.6241E-02	1.9748E-01	8.2625E-03	2.8198E-01
JAERI(VIM)	1.0440E-01	2.2337E-01	5.0211E-03	3.3279E-01	7.5532E-02	1.9517E-01	8.4065E-03	2.7911E-01
KFK(NEWEST)	1.1063E-01	2.2816E-01	4.6796E-03	3.4347E-01	7.8959E-02	1.9277E-01	8.1897E-03	2.7992E-01
KFK(1985LIB.)	1.0961E-01	2.2803E-01	4.1913E-03	3.4183E-01	7.8017E-02	1.9311E-01	7.6475E-03	2.7877E-01
MAPI-CRC	1.0330E-01	2.2950E-01	4.9870E-03	3.3420E-01	7.4410E-02	2.0280E-01	8.1700E-03	2.8540E-01
NAIG	1.1121E-01	2.1807E-01	4.8118E-03	3.3409E-01	7.8681E-02	1.9108E-01	8.0515E-03	2.7778E-01
PNC	1.1360E-01	2.0560E-01	4.9540E-03	3.2410E-01	8.0300E-02	1.8390E-01	8.2110E-03	2.7240E-01
PSI(BOXER)	1.0396E-01	2.2128E-01	4.3066E-03	3.2955E-01	7.4285E-02	1.9248E-01	7.5831E-03	2.7435E-01
PSI(DANDE)	1.0021E-01	2.2679E-01	4.9862E-03	3.3198E-01	7.1821E-02	1.9969E-01	8.2518E-03	2.7976E-01
STUDSVIK	0.0	0.0	0.0	3.2757E-01	0.0	0.0	0.0	2.7587E-01
TUBS(DATUBS4)	1.0750E-01	2.1960E-01	4.8450E-03	3.3190E-01	7.8090E-02	1.9280E-01	8.4940E-03	2.7940E-01
TUBS(DATUBS5)	1.0660E-01	2.2810E-01	4.5690E-03	3.3920E-01	7.7610E-02	2.0120E-01	8.0400E-03	2.8680E-01
VA.TECH	1.0588E-01	2.3419E-01	4.9212E-03	3.4500E-01	7.6394E-02	2.0839E-01	8.2704E-03	2.9306E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU239 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.2100E-02	2.2300E-01	9.6000E-02	3.7100E-01	3.0500E-02	1.7100E-01	2.0700E-01	4.0900E-01
CEA	0.0	0.0	0.0	3.7787E-01	0.0	0.0	0.0	0.0
GKSS	5.2090E-02	2.1680E-01	1.0210E-01	3.7100E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	5.1840E-02	2.2370E-01	1.0320E-01	3.7880E-01	3.0270E-02	1.7190E-01	2.1600E-01	4.1820E-01
HITACHI(J2)	5.2380E-02	2.2550E-01	1.0280E-01	3.8070E-01	3.0800E-02	1.7310E-01	2.1670E-01	4.2060E-01
IKE	5.2428E-02	2.2188E-01	9.7768E-02	3.7208E-01	3.1013E-02	1.7050E-01	2.1009E-01	4.1160E-01
JAERI(SRAC)	5.2611E-02	2.2507E-01	9.6650E-02	3.7432E-01	3.1145E-02	1.7253E-01	2.1166E-01	4.1533E-01
JAERI(VIM)	5.2622E-02	2.2476E-01	1.0070E-01	3.7808E-01	3.1073E-02	1.7130E-01	2.1442E-01	4.1679E-01
KFK(NEWEST)	5.2375E-02	2.2574E-01	9.4390E-02	3.7250E-01	3.0707E-02	1.7407E-01	2.0817E-01	4.1295E-01
KFK(1985LIB.)	5.2167E-02	2.2546E-01	8.8393E-02	3.6602E-01	3.0532E-02	1.7438E-01	1.9918E-01	4.0409E-01
MAPI-CRC	5.3150E-02	2.2020E-01	9.9190E-02	3.7250E-01	3.1290E-02	1.6820E-01	2.0950E-01	4.0900E-01
NAIG	5.2801E-02	2.1926E-01	9.8765E-02	3.7083E-01	3.0843E-02	1.6677E-01	2.1078E-01	4.0839E-01
PNC	5.4240E-02	2.2350E-01	1.0080E-01	3.7850E-01	3.1550E-02	1.7110E-01	2.1350E-01	4.1620E-01
PSI(BOXER)	5.3091E-02	2.2639E-01	9.4648E-02	3.7413E-01	3.1058E-02	1.7296E-01	2.0700E-01	4.1102E-01
PSI(DANDE)	5.2156E-02	2.2009E-01	1.0030E-01	3.7254E-01	3.0540E-02	1.6829E-01	2.1320E-01	4.1202E-01
STUDSVIK	0.0	0.0	0.0	3.6833E-01	0.0	0.0	0.0	4.0538E-01
TUBS(DATUBS4)	5.2400E-02	2.3400E-01	8.8770E-02	3.7520E-01	3.1040E-02	1.7960E-01	2.0040E-01	4.1110E-01
TUBS(DATUBS5)	5.2940E-02	2.2780E-01	8.5240E-02	3.6590E-01	3.1490E-02	1.7600E-01	1.9520E-01	4.0260E-01
VA.TECH	5.2463E-02	2.2286E-01	9.9884E-02	3.7521E-01	3.0585E-02	1.7042E-01	2.0380E-01	4.0481E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU240 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.1800E-02	3.9000E-02	7.2600E-02	1.2300E-01	7.4100E-03	2.8800E-02	1.1600E-01	1.5200E-01
CEA	0.0	0.0	0.0	1.2893E-01	0.0	0.0	0.0	0.0
GKSS	1.1870E-02	3.5560E-02	8.0180E-02	1.2760E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.1670E-02	3.4720E-02	7.9650E-02	1.2600E-01	7.2810E-03	2.5730E-02	1.2020E-01	1.5320E-01
HITACHI(J2)	1.2040E-02	3.7270E-02	7.9290E-02	1.2860E-01	7.5280E-03	2.7260E-02	1.1900E-01	1.5380E-01
IKE	1.2143E-02	3.7589E-02	7.6631E-02	1.2636E-01	7.6646E-03	2.7606E-02	1.1810E-01	1.5337E-01
JAERI(SRAC)	1.2210E-02	3.7090E-02	7.5546E-02	1.2484E-01	7.6844E-03	2.7277E-02	1.1679E-01	1.5175E-01
JAERI(VIM)	1.2152E-02	3.6846E-02	7.8173E-02	1.2717E-01	7.6246E-03	2.6830E-02	1.2106E-01	1.5551E-01
KFK(NEWEST)	1.2439E-02	3.7207E-02	7.6850E-02	1.2650E-01	7.6852E-03	2.7704E-02	1.2192E-01	1.5731E-01
KFK(1985LIB.)	1.2346E-02	3.7162E-02	7.2010E-02	1.2152E-01	7.6132E-03	2.7752E-02	1.1663E-01	1.5200E-01
MAPI-CRC	1.2310E-02	3.7010E-02	7.9550E-02	1.2890E-01	7.7250E-03	2.7190E-02	1.1980E-01	1.5470E-01
NAIG	1.2461E-02	3.6288E-02	8.1924E-02	1.3067E-01	7.7159E-03	2.7096E-02	1.2515E-01	1.5996E-01
PNC	1.2510E-02	3.8620E-02	8.1480E-02	1.3260E-01	7.7190E-03	2.8860E-02	1.2340E-01	1.6000E-01
PSI(BOXER)	1.2174E-02	3.5443E-02	7.5899E-02	1.2352E-01	7.5919E-03	2.5991E-02	1.1915E-01	1.5273E-01
PSI(DANDE)	1.1902E-02	3.7086E-02	8.1890E-02	1.3088E-01	7.4245E-03	2.7726E-02	1.2447E-01	1.5962E-01
STUDSVIK	0.0	0.0	0.0	1.1485E-01	0.0	0.0	0.0	1.4444E-01
TUBS(DATUBS4)	1.1770E-02	3.7070E-02	7.6790E-02	1.2560E-01	7.4710E-03	2.8040E-02	1.1950E-01	1.5500E-01
TUBS(DATUBS5)	1.2090E-02	4.0430E-02	7.4180E-02	1.2670E-01	7.6820E-03	3.0560E-02	1.1670E-01	1.5490E-01
VA.TECH	1.1892E-02	3.6212E-02	7.4088E-02	1.2219E-01	7.4324E-03	2.6901E-02	1.1601E-01	1.5034E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU241 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.0400E-02	6.8100E-02	1.3300E-02	9.1800E-02	5.9500E-03	5.4300E-02	2.9100E-02	8.9400E-02
CEA	0.0	0.0	0.0	8.7866E-02	0.0	0.0	0.0	0.0
GKSS	1.0390E-02	6.6450E-02	1.5280E-02	9.2130E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.0360E-02	6.8040E-02	1.4640E-02	9.3040E-02	5.9420E-03	5.3550E-02	3.0970E-02	9.0460E-02
HITACHI(J2)	1.0630E-02	7.0300E-02	1.4970E-02	9.5900E-02	6.1170E-03	5.6450E-02	3.1640E-02	9.4210E-02
IKE	1.0633E-02	6.7539E-02	1.6158E-02	9.2331E-02	6.1515E-03	5.4995E-02	3.0564E-02	9.1711E-02
JAERI(SRAC)	1.0643E-02	6.8460E-02	1.4029E-02	9.3131E-02	6.1649E-03	5.5707E-02	3.0980E-02	9.2851E-02
JAERI(VIM)	1.0619E-02	6.7198E-02	1.4718E-02	9.2535E-02	6.1359E-03	5.4702E-02	3.1235E-02	9.2074E-02
KFK(NEWEST)	1.0530E-02	6.8779E-02	1.3519E-02	9.2826E-02	6.0423E-03	5.7076E-02	3.0352E-02	9.3470E-02
KFK(1985LIB.)	1.0503E-02	6.8697E-02	1.2573E-02	9.1773E-02	6.0181E-03	5.7175E-02	2.8969E-02	9.2163E-02
MAPI-CRC	1.0690E-02	6.7960E-02	1.4530E-02	9.3170E-02	6.1520E-03	5.5580E-02	3.0620E-02	9.2350E-02
NAIG	1.0853E-02	7.0993E-02	1.3949E-02	9.5795E-02	6.2157E-03	5.7648E-02	3.0055E-02	9.3919E-02
PNC	1.0900E-02	7.1060E-02	1.4660E-02	9.6620E-02	6.2170E-03	5.7010E-02	3.1130E-02	9.4360E-02
PSI(BOXER)	1.0505E-02	6.5871E-02	1.3229E-02	8.9605E-02	6.0361E-03	5.2818E-02	2.9444E-02	8.8298E-02
PSI(DANDE)	1.0553E-02	7.0495E-02	1.4561E-02	9.5609E-02	6.0413E-03	5.6834E-02	3.0844E-02	9.3720E-02
STUDSVIK	0.0	0.0	0.0	9.9290E-02	0.0	0.0	0.0	9.5950E-02
TUBS(DATUBS4)	1.0550E-02	6.3800E-02	1.8280E-02	9.2640E-02	6.1270E-03	5.0830E-02	3.6440E-02	9.3400E-02
TUBS(DATUBS5)	1.0780E-02	6.3810E-02	1.8790E-02	9.3390E-02	6.2600E-03	5.2090E-02	3.6960E-02	9.5310E-02
VA.TECH	1.0461E-02	6.5046E-02	1.4218E-02	8.9725E-02	5.9777E-03	5.1702E-02	2.9671E-02	8.7350E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU242 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.9100E-03	6.9700E-03	1.8400E-02	2.8300E-02	1.8700E-03	4.8800E-03	2.2700E-02	2.9400E-02
CEA	0.0	0.0	0.0	2.9801E-02	0.0	0.0	0.0	0.0
GKSS	2.9380E-03	7.5080E-03	1.9060E-02	2.9500E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	2.8650E-03	6.3320E-03	2.0060E-02	2.9260E-02	1.8350E-03	4.4470E-03	2.2840E-02	2.9120E-02
HITACHI(J2)	2.9910E-03	5.8280E-03	1.9040E-02	2.7860E-02	1.8850E-03	4.0830E-03	2.1560E-02	2.7530E-02
IKE	3.0243E-03	6.4900E-03	1.8077E-02	2.7592E-02	1.9246E-03	4.5031E-03	2.1590E-02	2.8018E-02
JAERI(SRAC)	3.0428E-03	6.5628E-03	1.8147E-02	2.7752E-02	1.9291E-03	4.5544E-03	2.1357E-02	2.7840E-02
JAERI(VIM)	3.0209E-03	6.4904E-03	1.8402E-02	2.7913E-02	1.9092E-03	4.2678E-03	2.2370E-02	2.8547E-02
KFK(NEWEST)	3.0695E-03	6.7523E-03	1.7039E-02	2.6861E-02	1.9212E-03	4.6867E-03	1.9228E-02	2.5836E-02
KFK(1985LIB.)	3.0445E-03	6.7447E-03	2.9692E-02	3.9481E-02	1.9019E-03	4.6949E-03	3.6434E-02	4.3031E-02
MAPI-CRC	3.0510E-03	6.1620E-03	1.6950E-02	2.6160E-02	1.9300E-03	4.2990E-03	2.0690E-02	2.6920E-02
NAIG	3.1540E-03	6.1396E-03	1.9076E-02	2.8370E-02	1.9663E-03	4.2550E-03	2.2551E-02	2.8772E-02
PNC	3.1010E-03	6.3180E-03	1.9230E-02	2.8650E-02	1.9280E-03	4.3940E-03	2.1120E-02	2.7440E-02
PSI(BOXER)	3.0057E-03	7.3512E-03	3.1933E-02	4.2290E-02	1.9193E-03	5.1317E-03	3.7898E-02	4.4949E-02
PSI(DANDE)	2.9486E-03	6.1631E-03	2.0743E-02	2.9854E-02	1.8553E-03	4.2854E-03	2.4263E-02	3.0404E-02
STUDSVIK	0.0	0.0	0.0	4.3770E-02	0.0	0.0	0.0	4.5860E-02
TUBS(DATUBS4)	3.0100E-03	9.3510E-03	1.6900E-02	2.9260E-02	1.9170E-03	8.0560E-03	1.9970E-02	2.9940E-02
TUBS(DATUBS5)	3.0310E-03	9.8300E-03	1.6230E-02	2.9090E-02	1.9370E-03	8.3540E-03	1.9330E-02	2.9620E-02
VA.TECH	2.9361E-03	7.4656E-03	1.8761E-02	2.9162E-02	1.8878E-03	5.0428E-03	2.2544E-02	2.9474E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U235 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.5600E-03	6.2300E-03	1.1800E-03	8.9700E-03	1.0500E-03	5.2300E-03	2.6100E-03	8.8800E-03
CEA	0.0	0.0	0.0	8.7468E-03	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.5520E-03	6.2950E-03	1.2770E-03	9.1240E-03	1.0390E-03	5.2490E-03	2.7600E-03	9.0480E-03
HITACHI(J2)	1.5490E-03	6.1790E-03	1.2670E-03	8.9950E-03	1.0440E-03	5.1250E-03	2.7810E-03	8.9490E-03
IKE	1.5168E-03	6.1391E-03	1.1955E-03	8.8515E-03	1.0274E-03	5.1950E-03	2.6564E-03	8.8788E-03
JAERI(SRAC)	1.5510E-03	6.2033E-03	1.1824E-03	8.9368E-03	1.0520E-03	5.2148E-03	2.6854E-03	8.9522E-03
JAERI(VIM)	1.5507E-03	6.0835E-03	1.2365E-03	8.8707E-03	1.0492E-03	5.1361E-03	2.7172E-03	8.9025E-03
KFK(NEWEST)	1.5853E-03	5.9363E-03	1.0840E-03	8.6056E-03	1.0658E-03	5.1054E-03	2.6134E-03	8.7846E-03
KFK(1985LIB.)	1.5803E-03	5.9294E-03	1.0007E-03	8.5104E-03	1.0607E-03	5.1144E-03	2.4862E-03	8.6613E-03
MAPI-CRC	1.5700E-03	5.9330E-03	1.2180E-03	8.7210E-03	1.0600E-03	4.9100E-03	2.6650E-03	8.6350E-03
NAIG	1.5671E-03	6.3701E-03	1.1549E-03	9.0920E-03	1.0505E-03	5.3336E-03	2.5764E-03	8.9600E-03
PNC	1.7050E-03	5.9620E-03	1.2050E-03	8.8720E-03	1.1370E-03	5.0140E-03	2.6690E-03	8.8200E-03
PSI(BOXER)	1.5832E-03	6.2557E-03	1.1142E-03	8.4531E-03	1.0631E-03	5.3277E-03	2.5803E-03	8.9711E-03
PSI(DANDE)	1.5152E-03	6.1548E-03	1.2061E-03	8.8761E-03	1.0183E-03	5.1470E-03	2.6656E-03	8.8309E-03
STUDSVIK	0.0	0.0	0.0	8.8700E-03	0.0	0.0	0.0	8.7700E-03
TUBS(DATUBS4)	1.5690E-03	6.3100E-03	1.1990E-03	9.0780E-03	1.0640E-03	5.4080E-03	2.8130E-03	9.2850E-03
TUBS(DATUBS5)	1.5410E-03	6.1100E-03	1.1080E-03	8.7590E-03	1.0490E-03	5.2680E-03	2.6020E-03	8.9190E-03
VA.TECH	1.5704E-03	6.0562E-03	1.2266E-03	8.8532E-03	1.0473E-03	5.1772E-03	2.7573E-03	8.9817E-03
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U238 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.4800E-02	0.0	1.4700E-12	4.4800E-02	3.7400E-02	0.0	2.0000E-12	3.7400E-02
CEA	0.0	0.0	0.0	4.4321E-02	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.2450E-02	1.0020E-05	4.0200E-10	4.2460E-02	3.5450E-02	6.8450E-06	5.1920E-10	3.5460E-02
HITACHI(J2)	4.4660E-02	1.7560E-05	4.8870E-09	4.4680E-02	3.6680E-02	1.2460E-05	8.5790E-09	3.6690E-02
IKE	4.6338E-02	1.7232E-05	4.6658E-09	4.6356E-02	3.9008E-02	1.2004E-05	8.3003E-09	3.9020E-02
JAERI(SRAC)	4.7356E-02	1.9097E-05	0.0	4.7375E-02	3.9119E-02	1.3173E-05	0.0	3.9133E-02
JAERI(VIM)	4.6641E-02	1.9739E-05	4.8960E-09	4.6661E-02	3.8621E-02	1.3115E-05	8.6791E-09	3.8634E-02
KFK(NEWEST)	4.6228E-02	0.0	0.0	4.6228E-02	3.8001E-02	0.0	0.0	3.8001E-02
KFK(1985LIB.)	4.5127E-02	0.0	0.0	4.5127E-02	3.7029E-02	0.0	0.0	3.7029E-02
MAPI-CRC	4.7570E-02	1.8060E-05	4.8810E-09	4.7590E-02	3.9610E-02	1.2680E-05	8.4600E-09	3.9620E-02
NAIG	4.7189E-02	1.8300E-05	0.0	4.7207E-02	3.8067E-02	1.2700E-05	0.0	3.8080E-02
PNC	4.5090E-02	0.0	0.0	4.5090E-02	3.7510E-02	0.0	0.0	3.7510E-02
PSI(BOXER)	4.5933E-02	1.6625E-05	2.6583E-09	4.5950E-02	3.8091E-02	1.1445E-05	3.3571E-09	3.8102E-02
PSI(DANDE)	4.3838E-02	1.8134E-05	4.8764E-09	4.3857E-02	3.6685E-02	1.2674E-05	8.5394E-09	3.6697E-02
STUDSVIK	0.0	0.0	0.0	4.8880E-02	0.0	0.0	0.0	4.0620E-02
TUBS(DATUBS4)	4.5600E-02	3.2090E-06	0.0	4.5610E-02	3.8480E-02	2.2010E-06	0.0	3.8480E-02
TUBS(DATUBS5)	4.6660E-02	1.9190E-05	4.2300E-09	4.6680E-02	3.9350E-02	1.3230E-05	8.0030E-09	3.9360E-02
VA.TECH	4.4655E-02	1.1566E-05	3.1127E-10	4.4667E-02	3.7966E-02	7.4216E-06	3.8077E-10	3.7974E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU239 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.6700E-02	1.2600E-01	6.3100E-02	2.3600E-01	2.7700E-02	9.7100E-02	1.3500E-01	2.6000E-01
CEA	0.0	0.0	0.0	2.4379E-01	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.6420E-02	1.2670E-01	6.8040E-02	2.4120E-01	2.7400E-02	9.7590E-02	1.4080E-01	2.6570E-01
HITACHI(J2)	4.6680E-02	1.2690E-01	6.8040E-02	2.4160E-01	2.7710E-02	9.7310E-02	1.4160E-01	2.6670E-01
IKE	4.6589E-02	1.2718E-01	6.5592E-02	2.3936E-01	2.7838E-02	9.7473E-02	1.3875E-01	2.6407E-01
JAERI(SRAC)	4.6852E-02	1.2625E-01	6.3870E-02	2.3697E-01	2.8019E-02	9.6849E-02	1.3810E-01	2.6297E-01
JAERI(VIM)	4.6866E-02	1.2619E-01	6.6562E-02	2.3962E-01	2.7958E-02	9.6545E-02	1.3997E-01	2.6448E-01
KFK(NEWEST)	4.7378E-02	1.2808E-01	6.2200E-02	2.3765E-01	2.8033E-02	9.9084E-02	1.3606E-01	2.6317E-01
KFK(1985LIB.)	4.7160E-02	1.2792E-01	5.8143E-02	2.3323E-01	2.7853E-02	9.9258E-02	1.3010E-01	2.5721E-01
MAPI-CRC	4.7480E-02	1.2430E-01	6.5670E-02	2.3740E-01	2.8260E-02	9.4750E-02	1.3680E-01	2.5980E-01
NAIG	4.7606E-02	1.2589E-01	6.4878E-02	2.3837E-01	2.8073E-02	9.5807E-02	1.3697E-01	2.6085E-01
PNC	4.8480E-02	1.2610E-01	6.6640E-02	2.4120E-01	2.8460E-02	9.6440E-02	1.3940E-01	2.6430E-01
PSI(BOXER)	4.7773E-02	1.2768E-01	6.2147E-02	2.3760E-01	2.8231E-02	9.8068E-02	1.3462E-01	2.6092E-01
PSI(DANDE)	4.6445E-02	1.2707E-01	6.7275E-02	2.4079E-01	2.7496E-02	9.6745E-02	1.4073E-01	2.6497E-01
STUDSVIK	0.0	0.0	0.0	2.3540E-01	0.0	0.0	0.0	2.5778E-01
TUBS(DATUBS4)	4.6860E-02	1.3320E-01	5.8890E-02	2.3890E-01	2.8080E-02	1.0250E-01	1.3200E-01	2.6260E-01
TUBS(DATUBS5)	4.6910E-02	1.3030E-01	5.6980E-02	2.3420E-01	2.8230E-02	1.0060E-01	1.2860E-01	2.5740E-01
VA.TECH	4.7049E-02	1.2551E-01	6.5861E-02	2.3842E-01	2.7736E-02	9.6816E-02	1.3380E-01	2.5835E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU240 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	8.8900E-03	7.8500E-04	1.4100E-05	9.6900E-03	5.8200E-03	4.9400E-04	2.2400E-05	6.3300E-03
CEA	0.0	0.0	0.0	8.7045E-03	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	8.7030E-03	7.6030E-04	1.5490E-05	9.4780E-03	5.6800E-03	4.8150E-04	2.3290E-05	6.1840E-03
HITACHI(J2)	8.7790E-03	8.8220E-04	1.5790E-05	9.6770E-03	5.7540E-03	5.5880E-04	2.3750E-05	6.3360E-03
IKE	8.8982E-03	8.9317E-04	1.5251E-05	9.8067E-03	5.8976E-03	5.6134E-04	2.3542E-05	6.4825E-03
JAERI(SRAC)	8.9744E-03	8.8563E-04	1.5044E-05	9.8749E-03	5.9169E-03	5.5854E-04	2.3302E-05	6.4986E-03
JAERI(VIM)	8.9138E-03	8.8008E-04	1.5569E-05	9.8095E-03	5.8611E-03	5.6013E-04	2.4143E-05	6.4453E-03
KFK(NEWEST)	8.9127E-03	5.6593E-04	1.4218E-05	9.4928E-03	5.7644E-03	3.7163E-04	2.2585E-05	6.1585E-03
KFK(1985LIB.)	8.8154E-03	5.6570E-04	1.3311E-05	9.3943E-03	5.6907E-03	3.7228E-04	2.1596E-05	6.0846E-03
MAPI-CRC	9.0600E-03	8.6270E-04	1.5830E-05	9.9380E-03	5.9660E-03	5.4610E-04	2.3880E-05	6.5360E-03
NAIG	9.3077E-03	4.0050E-04	1.5000E-05	9.7230E-03	6.0084E-03	2.4640E-04	2.2900E-05	6.2780E-03
PNC	9.2070E-03	8.8050E-04	1.6200E-05	1.0100E-02	5.9340E-03	5.6520E-04	2.4590E-05	6.5230E-03
PSI(BOXER)	9.2168E-03	7.4897E-04	1.4722E-05	9.9805E-03	5.9872E-03	4.7248E-04	2.3072E-05	6.4828E-03
PSI(DANDE)	8.6531E-03	8.6973E-04	1.6281E-05	9.5391E-03	5.6730E-03	5.5561E-04	2.4784E-05	6.2534E-03
STUDSVIK	0.0	0.0	0.0	9.3200E-03	0.0	0.0	0.0	6.1500E-03
TUBS(DATUBS4)	8.7610E-03	7.7830E-04	1.4190E-05	9.5530E-03	5.8310E-03	4.9880E-04	2.1200E-05	6.3510E-03
TUBS(DATUBS5)	8.7400E-03	9.2000E-04	1.4720E-05	9.6750E-03	5.8590E-03	5.9350E-04	2.3220E-05	6.4760E-03
VA.TECH	8.9234E-03	7.6466E-04	1.4392E-05	9.7024E-03	5.8408E-03	4.8798E-04	2.2486E-05	6.3512E-03
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU241 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	9.2300E-03	5.5000E-02	1.0400E-02	7.4600E-02	5.3500E-03	4.4100E-02	2.2100E-02	7.1600E-02
CEA	0.0	0.0	0.0	7.1262E-02	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	9.1840E-03	5.4600E-02	1.1340E-02	7.5120E-02	5.3000E-03	4.3090E-02	2.3490E-02	7.1870E-02
HITACHI(J2)	9.2500E-03	5.3120E-02	1.1420E-02	7.3790E-02	5.3540E-03	4.2390E-02	2.3860E-02	7.1600E-02
IKE	9.2289E-03	5.1167E-02	1.0803E-02	7.1200E-02	5.3630E-03	4.1379E-02	2.3049E-02	6.9792E-02
JAERI(SRAC)	9.2732E-03	5.1771E-02	1.0711E-02	7.1755E-02	5.4012E-03	4.1845E-02	2.3379E-02	7.0626E-02
JAERI(VIM)	9.2532E-03	5.0786E-02	1.1227E-02	7.1266E-02	5.3773E-03	4.1112E-02	2.3556E-02	7.0045E-02
KFK(NEWEST)	9.3591E-03	5.1494E-02	1.0131E-02	7.0983E-02	5.4105E-03	4.2632E-02	2.2343E-02	7.0385E-02
KFK(1985LIB.)	9.3304E-03	5.1433E-02	9.3931E-03	7.0157E-02	5.3854E-03	4.2707E-02	2.1299E-02	6.9392E-02
MAPI-CRC	9.3610E-03	5.1840E-02	1.1070E-02	7.2270E-02	5.4280E-03	4.2160E-02	2.3070E-02	7.0660E-02
NAIG	9.4656E-03	5.4086E-02	1.0648E-02	7.4199E-02	5.4493E-03	4.3659E-02	2.2657E-02	7.1765E-02
PNC	9.5290E-03	5.4150E-02	1.1170E-02	7.4860E-02	5.4700E-03	4.3260E-02	2.3480E-02	7.2210E-02
PSI(BOXER)	9.3709E-03	5.2982E-02	1.0221E-02	7.2574E-02	5.4233E-03	4.2688E-02	2.2314E-02	7.0425E-02
PSI(DANDE)	9.2191E-03	5.3843E-02	1.1084E-02	7.4146E-02	5.3158E-03	4.3243E-02	2.3230E-02	7.1790E-02
STUDSVIK	0.0	0.0	0.0	7.6460E-02	0.0	0.0	0.0	7.3110E-02
TUBS(DATUBS4)	9.3660E-03	5.2460E-02	1.3500E-02	7.5330E-02	5.4720E-03	4.2190E-02	2.6820E-02	7.4480E-02
TUBS(DATUBS5)	9.3850E-03	4.9820E-02	1.3320E-02	7.2520E-02	5.4810E-03	4.0680E-02	2.6810E-02	7.2980E-02
VA.TECH	9.2387E-03	5.2027E-02	1.1002E-02	7.2312E-02	5.3392E-03	4.1643E-02	2.2490E-02	6.9473E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU242 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.3500E-03	0.0	0.0	2.3500E-03	1.5700E-03	0.0	0.0	1.5700E-03
CEA	0.0	0.0	0.0	2.1755E-03	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	2.2860E-03	0.0	0.0	2.2860E-03	1.5210E-03	0.0	0.0	1.5210E-03
HITACHI(J2)	2.1130E-03	3.3760E-05	1.4190E-05	2.1600E-03	1.4040E-03	2.1660E-05	1.6740E-05	1.4420E-03
IKE	2.1439E-03	3.3686E-05	1.2116E-05	2.1897E-03	1.4411E-03	2.1090E-05	1.4482E-05	1.4767E-03
JAERI(SRAC)	2.1687E-03	3.5503E-05	1.3513E-05	2.2178E-03	1.4489E-03	2.2474E-05	1.6543E-05	1.4879E-03
JAERI(VIM)	2.1464E-03	3.5050E-05	1.3753E-05	2.1952E-03	1.4305E-03	2.1874E-05	1.7292E-05	1.4697E-03
KFK(NEWEST)	2.1913E-03	1.5505E-05	6.2842E-09	2.2068E-03	1.4395E-03	1.0130E-05	8.0091E-09	1.4497E-03
KFK(1985LIB.)	2.1653E-03	1.5491E-05	5.6108E-09	2.1808E-03	1.4200E-03	1.0148E-05	7.4320E-09	1.4301E-03
MAPI-CRC	2.1800E-03	3.3640E-05	1.2780E-05	2.2270E-03	1.4570E-03	2.1640E-05	1.6120E-05	1.4950E-03
NAIG	2.2726E-03	3.4200E-05	1.4200E-05	2.3210E-03	1.4859E-03	2.1800E-05	1.7300E-05	1.5250E-03
PNC	2.2150E-03	3.4500E-05	3.4900E-05	2.2850E-03	1.4470E-03	2.2030E-05	3.7230E-05	1.5060E-03
PSI(BOXER)	2.4372E-03	0.0	0.0	2.4372E-03	1.6128E-03	0.0	0.0	1.6128E-03
PSI(DANDE)	2.0758E-03	3.2642E-05	1.3899E-05	2.1224E-03	1.3829E-03	2.0661E-05	1.6270E-05	1.4199E-03
STUDSVIK	0.0	0.0	0.0	2.3700E-03	0.0	0.0	0.0	1.5900E-03
TUBS(DATUBS4)	2.1680E-03	3.2270E-05	1.0430E-08	2.2010E-03	1.4600E-03	2.0570E-05	1.7880E-08	1.4800E-03
TUBS(DATUBS5)	2.1300E-03	3.6950E-05	1.0870E-05	2.1770E-03	1.4430E-03	2.4490E-05	1.2970E-05	1.4810E-03
VA.TECH	2.3538E-03	0.0	0.0	2.3538E-03	1.5757E-03	0.0	0.0	1.5757E-03
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U235 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.9400E-03	1.5100E-02	2.8400E-03	2.1900E-02	2.6700E-03	1.2600E-02	6.3000E-03	2.1600E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.9455E-03	1.3507E-02	3.2976E-03	2.0743E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	3.9140E-03	1.5230E-02	3.0940E-03	2.2240E-02	2.6410E-03	1.2700E-02	6.6920E-03	2.2030E-02
HITACHI(J2)	3.9090E-03	1.5010E-02	3.0770E-03	2.1990E-02	2.6530E-03	1.2450E-02	6.7540E-03	2.1850E-02
IKE	3.8335E-03	1.4959E-02	2.9130E-03	2.1706E-02	2.6161E-03	1.2659E-02	6.4729E-03	2.1748E-02
JAERI(SRAC)	3.9250E-03	1.5068E-02	2.8717E-03	2.1864E-02	2.6823E-03	1.2666E-02	6.5218E-03	2.1870E-02
JAERI(VIM)	3.9216E-03	1.4775E-02	3.0031E-03	2.1700E-02	2.6740E-03	1.2474E-02	6.5991E-03	2.1747E-02
KFK(NEWEST)	4.0074E-03	1.4384E-02	2.6268E-03	2.1018E-02	2.7128E-03	1.2371E-02	6.3323E-03	2.1416E-02
KFK(1985LIB.)	3.9917E-03	1.4367E-02	2.4248E-03	2.0784E-02	2.6973E-03	1.2392E-02	6.0240E-03	2.1113E-02
MAPI-CRC	3.9730E-03	1.4410E-02	2.9570E-03	2.1340E-02	2.7040E-03	1.1930E-02	6.4710E-03	2.1100E-02
NAIG	3.9647E-03	1.5522E-02	2.8141E-03	2.2301E-02	2.6744E-03	1.2996E-02	6.2778E-03	2.1949E-02
PNC	4.3010E-03	1.4520E-02	2.9300E-03	2.1750E-02	2.8860E-03	1.2210E-02	6.4900E-03	2.1590E-02
PSI(BOXER)	4.0040E-03	1.5132E-02	2.6949E-03	2.1831E-02	2.7103E-03	1.2887E-02	6.2412E-03	2.1839E-02
PSI(DANDE)	3.8235E-03	1.4997E-02	2.9388E-03	2.1760E-02	2.5879E-03	1.2542E-02	6.4953E-03	2.1625E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.9710E-03	1.5380E-02	2.9210E-03	2.2270E-02	2.7140E-03	1.3180E-02	6.8540E-03	2.2750E-02
TUBS(DATUBS5)	3.8940E-03	1.4890E-02	2.7000E-03	2.1480E-02	2.6710E-03	1.2840E-02	6.3400E-03	2.1850E-02
VA.TECH	3.9661E-03	1.4649E-02	2.9669E-03	2.1582E-02	2.6990E-03	1.2523E-02	6.6692E-03	2.1861E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U238 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2500E-01	0.0	3.4100E-12	1.2500E-01	1.0500E-01	0.0	4.6000E-12	1.0500E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.2771E-01	7.3309E-08	0.0	1.2771E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.1810E-01	2.3250E-05	9.3200E-10	1.1810E-01	9.9160E-02	1.5880E-05	1.2040E-09	9.9170E-02
HITACHI(J2)	1.2420E-01	4.0730E-05	1.1340E-08	1.2430E-01	1.0250E-01	2.8910E-05	1.9900E-08	1.0250E-01
IKE	1.2932E-01	3.9972E-05	1.0822E-08	1.2936E-01	1.0939E-01	2.7846E-05	1.9253E-08	1.0942E-01
JAERI(SRAC)	1.3241E-01	4.4294E-05	0.0	1.3246E-01	1.0991E-01	3.0554E-05	0.0	1.0994E-01
JAERI(VIM)	1.3033E-01	4.5788E-05	1.1356E-08	1.3038E-01	1.0859E-01	3.0424E-05	2.0131E-08	1.0862E-01
KFK(NEWEST)	1.2926E-01	0.0	0.0	1.2926E-01	1.0673E-01	0.0	0.0	1.0673E-01
KFK(1985LIB.)	1.2597E-01	0.0	0.0	1.2597E-01	1.0381E-01	0.0	0.0	1.0381E-01
MAPI-CRC	1.3330E-01	4.1910E-05	1.1320E-08	1.3330E-01	1.1150E-01	2.9410E-05	1.9620E-08	1.1150E-01
NAIG	1.3230E-01	2.8000E-06	0.0	1.3230E-01	1.0702E-01	1.8000E-06	0.0	1.0702E-01
PNC	1.2560E-01	0.0	0.0	1.2560E-01	1.0500E-01	0.0	0.0	1.0500E-01
PSI(BOXER)	1.2834E-01	3.8536E-05	6.1659E-09	1.2838E-01	1.0703E-01	2.6548E-05	7.7867E-09	1.0705E-01
PSI(DANDE)	1.2229E-01	4.2066E-05	1.1302E-08	1.2234E-01	1.0282E-01	2.9399E-05	1.9794E-08	1.0285E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.2850E-01	7.4450E-06	0.0	1.2850E-01	1.0900E-01	5.1060E-06	0.0	1.0900E-01
TUBS(DATUBS5)	1.3070E-01	4.4510E-05	9.8120E-09	1.3070E-01	1.1070E-01	3.0700E-05	1.8560E-08	1.1080E-01
VA.TECH	1.2463E-01	2.6830E-05	7.2198E-10	1.2466E-01	1.0669E-01	1.7215E-05	8.8319E-10	1.0670E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU239 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.4100E-01	3.6300E-01	1.8100E-01	6.8600E-01	8.4500E-02	2.7900E-01	3.8700E-01	7.5100E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.4165E-01	3.5930E-01	1.9173E-01	6.9279E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.4010E-01	3.6410E-01	1.9550E-01	6.9960E-01	8.3330E-02	2.8040E-01	4.0440E-01	7.6810E-01
HITACHI(J2)	1.4150E-01	3.6550E-01	1.9600E-01	7.0300E-01	8.4660E-02	2.8030E-01	4.0800E-01	7.7290E-01
IKE	1.4044E-01	3.6024E-01	1.8820E-01	6.8888E-01	8.4610E-02	2.7601E-01	3.9821E-01	7.5884E-01
JAERI(SRAC)	1.4238E-01	3.6361E-01	1.8398E-01	6.8997E-01	8.5869E-02	2.7894E-01	3.9781E-01	7.6263E-01
JAERI(VIM)	1.4231E-01	3.6351E-01	1.9174E-01	6.9756E-01	8.5634E-02	2.7811E-01	4.0321E-01	7.6695E-01
KFK(NEWEST)	1.4395E-01	3.6945E-01	1.7939E-01	6.9280E-01	8.5854E-02	2.8582E-01	3.9236E-01	7.6404E-01
KFK(1985LIB.)	1.4316E-01	3.6902E-01	1.6769E-01	6.7987E-01	8.5213E-02	2.8632E-01	3.7517E-01	7.4671E-01
MAPI-CRC	1.4420E-01	3.5790E-01	1.8920E-01	6.9140E-01	8.6630E-02	2.7290E-01	3.9410E-01	7.5360E-01
NAIG	1.4474E-01	3.6253E-01	1.8740E-01	6.9468E-01	8.5998E-02	2.7590E-01	3.9572E-01	7.5762E-01
PNC	1.4680E-01	3.6310E-01	1.9200E-01	7.0180E-01	8.6890E-02	2.7780E-01	4.0150E-01	7.6620E-01
PSI(BOXER)	1.4454E-01	3.6688E-01	1.7856E-01	6.8998E-01	8.6114E-02	2.8178E-01	3.8680E-01	7.5470E-01
PSI(DANDE)	1.3975E-01	3.5994E-01	1.9303E-01	6.9272E-01	8.3386E-02	2.7395E-01	4.0389E-01	7.6123E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.4200E-01	3.8270E-01	1.6920E-01	6.9390E-01	8.5850E-02	2.9450E-01	3.7930E-01	7.5970E-01
TUBS(DATUBS5)	1.4140E-01	3.6910E-01	1.6350E-01	6.7400E-01	8.5780E-02	2.8480E-01	3.6910E-01	7.3970E-01
VA.TECH	1.4218E-01	3.6063E-01	1.8924E-01	6.9205E-01	8.4596E-02	2.7819E-01	3.8444E-01	7.4723E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU240 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.8000E-02	2.2500E-03	4.0500E-05	3.0300E-02	1.8400E-02	1.4200E-03	6.4400E-05	1.9900E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.8166E-02	1.7262E-03	3.7467E-05	2.9934E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	2.7310E-02	2.1820E-03	4.4390E-05	2.9530E-02	1.7950E-02	1.3820E-03	6.6840E-05	1.9390E-02
HITACHI(J2)	2.6930E-02	2.4560E-03	4.3950E-05	2.9430E-02	1.7760E-02	1.5560E-03	6.6110E-05	1.9380E-02
IKE	2.7357E-02	2.4866E-03	4.2455E-05	2.9886E-02	1.8269E-02	1.5627E-03	6.5535E-05	1.9897E-02
JAERI(SRAC)	2.7630E-02	2.4656E-03	4.1879E-05	3.0138E-02	1.8340E-02	1.5549E-03	6.4867E-05	1.9959E-02
JAERI(VIM)	2.7422E-02	2.4501E-03	4.3342E-05	2.9915E-02	1.8165E-02	1.5594E-03	6.7210E-05	1.9791E-02
KFK(NEWEST)	2.8407E-02	1.6301E-03	4.0927E-05	3.0078E-02	1.8509E-02	1.0704E-03	6.5011E-05	1.9644E-02
KFK(1985LIB.)	2.8061E-02	1.6294E-03	3.8315E-05	2.9729E-02	1.8246E-02	1.0722E-03	6.2164E-05	1.9380E-02
MAPI-CRC	2.7890E-02	2.4020E-03	4.4080E-05	3.0340E-02	1.8500E-02	1.5210E-03	6.6470E-05	2.0090E-02
NAIG	2.8854E-02	1.1227E-03	4.2000E-05	3.0019E-02	1.8735E-02	6.9060E-04	6.4100E-05	1.9489E-02
PNC	2.8150E-02	2.4520E-03	4.5110E-05	3.0650E-02	1.8280E-02	1.5740E-03	6.8450E-05	1.9930E-02
PSI(BOXER)	2.9003E-02	2.1495E-03	4.2249E-05	3.1195E-02	1.8975E-02	1.3560E-03	6.6211E-05	2.0397E-02
PSI(DANDE)	2.6548E-02	2.4213E-03	4.5324E-05	2.9014E-02	1.7536E-02	1.5468E-03	6.8994E-05	1.9152E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.7730E-02	2.2340E-03	4.0730E-05	3.0000E-02	1.8590E-02	1.4320E-03	6.0850E-05	2.0080E-02
TUBS(DATUBS5)	2.6950E-02	2.5610E-03	4.0970E-05	2.9550E-02	1.8190E-02	1.6520E-03	6.4630E-05	1.9910E-02
VA.TECH	2.8056E-02	2.1945E-03	4.1302E-05	3.0292E-02	1.8519E-02	1.4005E-03	6.4530E-05	1.9984E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU241 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.8200E-02	1.6100E-01	3.0400E-02	2.2000E-01	1.6500E-02	1.2900E-01	6.4900E-02	2.1100E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.8254E-02	1.5780E-01	3.3613E-02	2.1962E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	2.8010E-02	1.6010E-01	3.3260E-02	2.2140E-01	1.6280E-02	1.2630E-01	6.8870E-02	2.1150E-01
HITACHI(J2)	2.8180E-02	1.5580E-01	3.3490E-02	2.1740E-01	1.6420E-02	1.2430E-01	6.9960E-02	2.1070E-01
IKE	2.8151E-02	1.5004E-01	3.1678E-02	2.0987E-01	1.6478E-02	1.2134E-01	6.7588E-02	2.0540E-01
JAERI(SRAC)	2.8300E-02	1.5181E-01	3.1408E-02	2.1152E-01	1.6596E-02	1.2270E-01	6.8555E-02	2.0785E-01
JAERI(VIM)	2.8230E-02	1.4892E-01	3.2921E-02	2.1007E-01	1.6520E-02	1.2055E-01	6.9074E-02	2.0615E-01
KFK(NEWEST)	2.8502E-02	1.5060E-01	2.9612E-02	2.0871E-01	1.6588E-02	1.2467E-01	6.5301E-02	2.0656E-01
KFK(1985LIB.)	2.8395E-02	1.5042E-01	2.7455E-02	2.0627E-01	1.6497E-02	1.2489E-01	6.2252E-02	2.0364E-01
MAPI-CRC	2.8570E-02	1.5200E-01	3.2460E-02	2.1300E-01	1.6690E-02	1.2360E-01	6.7650E-02	2.0800E-01
NAIG	2.8912E-02	1.5860E-01	3.1223E-02	2.1873E-01	1.6748E-02	1.2802E-01	6.6436E-02	2.1121E-01
PNC	2.9020E-02	1.5880E-01	3.2770E-02	2.2060E-01	1.6770E-02	1.2680E-01	6.8850E-02	2.1250E-01
PSI(BOXER)	2.8651E-02	1.5536E-01	2.9972E-02	2.1398E-01	1.6704E-02	1.2518E-01	6.5432E-02	2.0731E-01
PSI(DANDE)	2.8079E-02	1.5789E-01	3.2502E-02	2.1847E-01	1.6303E-02	1.2680E-01	6.8119E-02	2.1123E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.8650E-02	1.5380E-01	3.9590E-02	2.2210E-01	1.6870E-02	1.2370E-01	7.8640E-02	2.1920E-01
TUBS(DATUBS5)	2.8610E-02	1.4610E-01	3.9050E-02	2.1380E-01	1.6830E-02	1.1930E-01	7.8630E-02	2.1480E-01
VA.TECH	2.8352E-02	1.5256E-01	3.2260E-02	2.1317E-01	1.6441E-02	1.2211E-01	6.5948E-02	2.0450E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU242 (BURNUP=0GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	7.3000E-03	0.0	0.0	7.3000E-03	4.9100E-03	0.0	0.0	4.9100E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	7.3661E-03	0.0	0.0	7.3661E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	7.0800E-03	0.0	0.0	7.0800E-03	4.7460E-03	0.0	0.0	4.7460E-03
HITACHI(J2)	6.5320E-03	9.4790E-05	3.9850E-05	6.6660E-03	4.3640E-03	6.0810E-05	4.7010E-05	4.4720E-03
IKE	6.6444E-03	9.4594E-05	3.4021E-05	6.7731E-03	4.4949E-03	5.9224E-05	4.0665E-05	4.5948E-03
JAERI(SRAC)	6.7300E-03	9.9696E-05	3.7943E-05	6.8675E-03	4.5216E-03	6.3110E-05	4.6453E-05	4.6312E-03
JAERI(VIM)	6.6569E-03	9.8425E-05	3.8619E-05	6.7939E-03	4.4649E-03	6.1424E-05	4.8557E-05	4.5748E-03
KFK(NEWEST)	7.0274E-03	4.4673E-05	1.8109E-08	7.0721E-03	4.6461E-03	2.9187E-05	2.3077E-08	4.6753E-03
KFK(1985LIB.)	6.9354E-03	4.4635E-05	1.6169E-08	6.9801E-03	4.5765E-03	2.9238E-05	2.1415E-08	4.6058E-03
MAPI-CRC	6.7680E-03	9.4490E-05	3.5890E-05	6.8980E-03	4.5500E-03	6.0770E-05	4.5260E-05	4.6560E-03
NAIG	7.0490E-03	9.5900E-05	3.9800E-05	7.1850E-03	4.6311E-03	6.1100E-05	4.8700E-05	4.7410E-03
PNC	6.8290E-03	9.6900E-05	9.7990E-05	7.0240E-03	4.4910E-03	6.1870E-05	1.0450E-04	4.6570E-03
PSI(BOXER)	7.5725E-03	0.0	0.0	7.5725E-03	5.0477E-03	0.0	0.0	5.0477E-03
PSI(DANDE)	6.4227E-03	9.1662E-05	3.9030E-05	6.5534E-03	4.3059E-03	5.8019E-05	4.5687E-05	4.4096E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	6.8230E-03	9.0680E-05	2.9320E-08	6.9130E-03	4.6260E-03	5.7810E-05	5.0240E-08	4.6830E-03
TUBS(DATUBS5)	6.6160E-03	1.0380E-04	3.0540E-05	6.7500E-03	4.5110E-03	6.8780E-05	3.6410E-05	4.6160E-03
VA.TECH	7.3085E-03	0.0	0.0	7.3085E-03	4.9357E-03	0.0	0.0	4.9357E-03
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U235 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2300E-03	6.1200E-03	8.0100E-04	8.1500E-03	8.3600E-04	5.4200E-03	1.9500E-03	8.2100E-03
CEA	0.0	0.0	0.0	8.0145E-03	0.0	0.0	0.0	0.0
GKSS	1.2270E-03	5.9970E-03	9.6270E-04	8.1870E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.2410E-03	6.2360E-03	9.1160E-04	8.3380E-03	8.4800E-04	5.4790E-03	2.1570E-03	8.4830E-03
HITACHI(J2)	1.2420E-03	6.3790E-03	9.0050E-04	8.5210E-03	8.5060E-04	5.6070E-03	2.1930E-03	8.6510E-03
IKE	1.2297E-03	6.1965E-03	8.6279E-04	8.2890E-03	8.4065E-04	5.4995E-03	2.0945E-03	8.4347E-03
JAERI(SRAC)	1.2368E-03	6.3585E-03	8.3599E-04	8.4312E-03	8.4930E-04	5.6489E-03	2.0780E-03	8.5761E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.2795E-03	6.0550E-03	7.6485E-04	8.0993E-03	8.6177E-04	5.4417E-03	2.0255E-03	8.3288E-03
KFK(1985LIB.)	1.2744E-03	6.0121E-03	6.9515E-04	7.9818E-03	8.5726E-04	5.4092E-03	1.8952E-03	8.1617E-03
MAPI-CRC	1.2620E-03	6.1910E-03	8.6080E-04	8.3140E-03	8.6230E-04	5.4290E-03	2.0660E-03	8.3580E-03
NAIG	1.2545E-03	6.2229E-03	8.2900E-04	8.3060E-03	8.4900E-04	5.4989E-03	2.0178E-03	8.3660E-03
PNC	1.3690E-03	5.9590E-03	8.6140E-04	8.1900E-03	9.2030E-04	5.2870E-03	2.1070E-03	8.3140E-03
PSI(BOXER)	1.2668E-03	6.1112E-03	7.8309E-04	8.1611E-03	8.5598E-04	5.4604E-03	1.9938E-03	8.3102E-03
PSI(DANDE)	1.2242E-03	6.2024E-03	8.2789E-04	8.2545E-03	8.3244E-04	5.4706E-03	2.0237E-03	8.3268E-03
STUDSVIK	0.0	0.0	0.0	8.2800E-03	0.0	0.0	0.0	8.3400E-03
TUBS(DATUBS4)	1.2600E-03	6.2930E-03	8.2690E-04	8.3800E-03	8.5590E-04	5.6370E-03	2.1320E-03	8.6250E-03
TUBS(DATUBS5)	1.2480E-03	6.1360E-03	7.6240E-04	8.1460E-03	8.5230E-04	5.5440E-03	1.9690E-03	8.3650E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U238 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	9.9400E-02	2.2300E-01	3.9700E-03	3.2600E-01	7.1500E-02	1.9900E-01	7.2000E-03	2.7800E-01
CEA	0.0	0.0	0.0	3.1492E-01	0.0	0.0	0.0	0.0
GKSS	1.0390E-01	2.1340E-01	1.7190E-03	3.1900E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.0070E-01	2.1130E-01	4.3450E-03	3.1630E-01	7.2810E-02	1.8820E-01	7.6420E-03	2.6870E-01
HITACHI(J2)	1.0050E-01	2.0750E-01	4.1970E-03	3.1220E-01	7.2750E-02	1.8380E-01	7.6190E-03	2.6420E-01
IKE	1.0340E-01	2.1522E-01	4.0052E-03	3.2262E-01	7.6184E-02	1.9165E-01	7.3028E-03	2.7513E-01
JAERI(SRAC)	1.0222E-01	2.1531E-01	4.1076E-03	3.2163E-01	7.4410E-02	1.9066E-01	7.5210E-03	2.7259E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.0726E-01	2.1762E-01	3.8675E-03	3.2875E-01	7.7096E-02	1.8710E-01	7.4056E-03	2.7160E-01
KFK(1985LIB.)	1.0669E-01	2.1667E-01	3.4363E-03	3.2680E-01	7.6526E-02	1.8644E-01	6.8519E-03	2.6982E-01
MAPI-CRC	1.0100E-01	2.1350E-01	4.1720E-03	3.1870E-01	7.3070E-02	1.9460E-01	7.4030E-03	2.7500E-01
NAIG	1.0863E-01	2.0680E-01	4.0409E-03	3.1946E-01	7.7283E-02	1.8358E-01	7.2991E-03	2.6817E-01
PNC	1.1120E-01	1.9270E-01	4.1820E-03	3.0810E-01	7.8980E-02	1.7510E-01	7.5550E-03	2.6160E-01
PSI(BOXER)	1.0142E-01	2.0996E-01	3.6023E-03	3.1498E-01	7.2876E-02	1.8540E-01	6.9185E-03	2.6519E-01
PSI(DANDE)	9.7417E-02	2.1609E-01	4.0178E-03	3.1752E-01	7.0285E-02	1.9310E-01	7.2763E-03	2.7066E-01
STUDSVIK	0.0	0.0	0.0	3.1546E-01	0.0	0.0	0.0	2.6733E-01
TUBS(DATUBS4)	1.0440E-01	2.1130E-01	4.0670E-03	3.1970E-01	7.2650E-02	1.8820E-01	7.6940E-03	2.7210E-01
TUBS(DATUBS5)	1.0330E-01	2.1990E-01	3.7880E-03	3.2700E-01	7.5670E-02	1.9710E-01	7.1910E-03	2.7990E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU239 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.8500E-02	2.0300E-01	7.6200E-02	3.2800E-01	2.5300E-02	1.4300E-01	1.6600E-01	3.3500E-01
CEA	0.0	0.0	0.0	3.2530E-01	0.0	0.0	0.0	0.0
GKSS	4.7870E-02	1.9500E-01	8.4140E-02	3.2700E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	4.7190E-02	2.0110E-01	8.4230E-02	3.3250E-01	2.4780E-02	1.4230E-01	1.7460E-01	3.4170E-01
HITACHI(J2)	4.7560E-02	2.0200E-01	8.2050E-02	3.3160E-01	2.4930E-02	1.4250E-01	1.7590E-01	3.4330E-01
IKE	4.8397E-02	1.9987E-01	7.9887E-02	3.2815E-01	2.5559E-02	1.3932E-01	1.7246E-01	3.3734E-01
JAERI(SRAC)	4.8250E-02	2.0292E-01	7.7723E-02	3.2889E-01	2.5440E-02	1.4297E-01	1.7185E-01	3.4025E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.8491E-02	2.0441E-01	7.5446E-02	3.2835E-01	2.5075E-02	1.4395E-01	1.6715E-01	3.3618E-01
KFK(1985LIB.)	4.8677E-02	2.0422E-01	7.0200E-02	3.2310E-01	2.5198E-02	1.4434E-01	1.5904E-01	3.2858E-01
MAPI-CRC	4.8890E-02	1.9920E-01	7.9430E-02	3.2750E-01	2.5870E-02	1.3990E-01	1.7030E-01	3.3610E-01
NAIG	4.8716E-02	1.9816E-01	7.9757E-02	3.2664E-01	2.5287E-02	1.3844E-01	1.7109E-01	3.3481E-01
PNC	4.9130E-02	2.0010E-01	8.0800E-02	3.3000E-01	2.5380E-02	1.3920E-01	1.7290E-01	3.3750E-01
PSI(BOXER)	4.8862E-02	2.0290E-01	7.6085E-02	3.2785E-01	2.5405E-02	1.4252E-01	1.6754E-01	3.3547E-01
PSI(DANDE)	4.8160E-02	1.9923E-01	7.8855E-02	3.2624E-01	2.5238E-02	1.4060E-01	1.7004E-01	3.3588E-01
STUDSVIK	0.0	0.0	0.0	3.2777E-01	0.0	0.0	0.0	3.3699E-01
TUBS(DATUBS4)	4.7900E-02	2.1190E-01	7.0970E-02	3.3080E-01	2.5470E-02	1.5040E-01	1.6180E-01	3.3760E-01
TUBS(DATUBS5)	4.9190E-02	2.0840E-01	6.8140E-02	3.2570E-01	2.6300E-02	1.4930E-01	1.5800E-01	3.3350E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU240 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2200E-02	3.9100E-02	5.9600E-02	1.1100E-01	7.2100E-03	2.8100E-02	1.0000E-01	1.3500E-01
CEA	0.0	0.0	0.0	1.1299E-01	0.0	0.0	0.0	0.0
GKSS	1.2090E-02	3.4770E-02	6.8850E-02	1.1570E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.1990E-02	3.5260E-02	6.7820E-02	1.1490E-01	7.1720E-03	2.5160E-02	1.0880E-01	1.4120E-01
HITACHI(J2)	1.2390E-02	3.7620E-02	6.7200E-02	1.1720E-01	7.3550E-03	2.6500E-02	1.0670E-01	1.4060E-01
IKE	1.2395E-02	3.7656E-02	6.4958E-02	1.1501E-01	7.4169E-03	2.6608E-02	1.0452E-01	1.3855E-01
JAERI(SRAC)	1.2558E-02	3.7132E-02	6.4193E-02	1.1388E-01	7.4998E-03	2.6648E-02	1.0393E-01	1.3808E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.2667E-02	3.6865E-02	6.4445E-02	1.1398E-01	7.3344E-03	2.6638E-02	1.0672E-01	1.4069E-01
KFK(1985LIB.)	1.2750E-02	3.7012E-02	5.9629E-02	1.0939E-01	7.3686E-03	2.6802E-02	1.0082E-01	1.3499E-01
MAPI-CRC	1.2590E-02	3.6770E-02	6.7320E-02	1.1670E-01	7.4960E-03	2.6260E-02	1.0590E-01	1.3970E-01
NAIG	1.2616E-02	3.5612E-02	6.8335E-02	1.1656E-01	7.3581E-03	2.5840E-02	1.0866E-01	1.4186E-01
PNC	1.2740E-02	3.8240E-02	6.9170E-02	1.2010E-01	7.4090E-03	2.7690E-02	1.0900E-01	1.4410E-01
PSI(BOXER)	1.2615E-02	3.5523E-02	6.3861E-02	1.1200E-01	7.4073E-03	2.5328E-02	1.0490E-01	1.3764E-01
PSI(DANDE)	1.1960E-02	3.6511E-02	6.6775E-02	1.1525E-01	7.0456E-03	2.6540E-02	1.0677E-01	1.4035E-01
STUDSVIK	0.0	0.0	0.0	1.0575E-01	0.0	0.0	0.0	1.3209E-01
TUBS(DATUBS4)	1.2030E-02	3.7220E-02	6.6630E-02	1.1590E-01	7.1550E-03	2.7180E-02	1.0720E-01	1.4150E-01
TUBS(DATUBS5)	1.2230E-02	4.0110E-02	6.3460E-02	1.1580E-01	7.3110E-03	2.9380E-02	1.0360E-01	1.4020E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU241 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.0500E-02	6.4700E-02	1.1300E-02	8.6400E-02	7.1500E-03	6.1700E-02	3.2800E-02	1.0200E-01
CEA	0.0	0.0	0.0	8.3806E-02	0.0	0.0	0.0	0.0
GKSS	1.0780E-02	6.5300E-02	1.4070E-02	9.0150E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.0580E-02	6.5750E-02	1.3120E-02	8.9450E-02	7.1670E-03	6.1370E-02	3.6030E-02	1.0460E-01
HITACHI(J2)	1.0890E-02	6.7730E-02	1.3130E-02	9.1750E-02	7.2860E-03	6.4140E-02	3.7000E-02	1.0840E-01
IKE	1.0882E-02	6.5453E-02	1.2543E-02	8.8878E-02	7.3003E-03	6.2745E-02	3.5195E-02	1.0524E-01
JAERI(SRAC)	1.0843E-02	6.5284E-02	1.2234E-02	8.8360E-02	7.2798E-03	6.2382E-02	3.5340E-02	1.0500E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.0811E-02	6.6040E-02	1.1750E-02	8.8601E-02	7.2543E-03	6.4943E-02	3.5011E-02	1.0721E-01
KFK(1985LIB.)	1.0633E-02	6.4489E-02	1.0642E-02	8.5764E-02	7.1507E-03	6.3712E-02	3.2598E-02	1.0346E-01
MAPI-CRC	1.0960E-02	6.5190E-02	1.2660E-02	8.8740E-02	7.3300E-03	6.1960E-02	3.4790E-02	1.0410E-01
NAIG	1.1100E-02	6.7701E-02	1.2200E-02	9.1001E-02	7.4954E-03	6.5420E-02	3.4870E-02	1.0778E-01
PNC	1.1160E-02	6.8170E-02	1.3050E-02	9.2380E-02	7.4450E-03	6.4840E-02	3.7150E-02	1.0940E-01
PSI(BOXER)	1.0955E-02	6.3716E-02	1.1773E-02	8.6444E-02	7.4306E-03	6.1126E-02	3.4904E-02	1.0346E-01
PSI(DANDE)	1.0822E-02	6.7160E-02	1.2321E-02	9.0303E-02	7.2785E-03	6.4332E-02	3.4653E-02	1.0626E-01
STUDSVIK	0.0	0.0	0.0	8.8490E-02	0.0	0.0	0.0	1.0516E-01
TUBS(DATUBS4)	1.0840E-02	6.2240E-02	1.6250E-02	8.9340E-02	7.3110E-03	5.8220E-02	4.1190E-02	1.0670E-01
TUBS(DATUBS5)	1.1090E-02	6.1760E-02	1.6580E-02	8.9430E-02	7.4010E-03	5.8750E-02	4.0980E-02	1.0710E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU242 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.6400E-03	6.3100E-03	1.5900E-02	2.4800E-02	1.7000E-03	4.4800E-03	2.0200E-02	2.6400E-02
CEA	0.0	0.0	0.0	2.5467E-02	0.0	0.0	0.0	0.0
GKSS	2.6840E-03	6.7570E-03	1.6890E-02	2.6330E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	2.6390E-03	5.8190E-03	1.7320E-02	2.5770E-02	1.7200E-03	4.2190E-03	2.0390E-02	2.6330E-02
HITACHI(J2)	2.8990E-03	5.6260E-03	1.7370E-02	2.5900E-02	1.8640E-03	4.0700E-03	2.0180E-02	2.6110E-02
IKE	2.9131E-03	6.1589E-03	1.6035E-02	2.5107E-02	1.8908E-03	4.4188E-03	2.0094E-02	2.6403E-02
JAERI(SRAC)	2.8934E-03	6.1819E-03	1.6240E-02	2.5315E-02	1.8727E-03	4.4300E-03	1.9958E-02	2.6261E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.9709E-03	6.4443E-03	1.5092E-02	2.4507E-02	1.9373E-03	4.7073E-03	1.8127E-02	2.4772E-02
KFK(1985LIB.)	2.6420E-03	5.8231E-03	2.4842E-02	3.3307E-02	1.6268E-03	4.0610E-03	3.0896E-02	3.6584E-02
MAPI-CRC	2.9670E-03	5.9120E-03	1.5210E-02	2.4080E-02	1.9040E-03	4.2270E-03	1.9380E-02	2.5510E-02
NAIG	3.0099E-03	5.7782E-03	1.6857E-02	2.5645E-02	1.9083E-03	4.1212E-03	2.0788E-02	2.6818E-02
PNC	2.9800E-03	6.0120E-03	1.6970E-02	2.5960E-02	1.9140E-03	4.3610E-03	1.9780E-02	2.6050E-02
PSI(BOXER)	2.4851E-03	6.0706E-03	2.6073E-02	3.4629E-02	1.5582E-03	4.2245E-03	3.1251E-02	3.7044E-02
PSI(DANDE)	2.7731E-03	5.7487E-03	1.9020E-02	2.7542E-02	1.7700E-03	4.1020E-03	2.3057E-02	2.8929E-02
STUDSVIK	0.0	0.0	0.0	3.6780E-02	0.0	0.0	0.0	3.8530E-02
TUBS(DATUBS4)	2.7300E-03	8.3820E-03	1.4690E-02	2.5800E-02	1.7650E-03	7.4040E-03	1.8030E-02	2.7190E-02
TUBS(DATUBS5)	2.8400E-03	8.9840E-03	1.4180E-02	2.6000E-02	1.8520E-03	7.8600E-03	1.7660E-02	2.7370E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF AM241 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.6500E-04	3.5100E-03	3.0600E-03	7.2400E-03	4.1900E-04	2.8800E-03	5.1500E-03	8.4600E-03
CEA	0.0	0.0	0.0	8.4631E-03	0.0	0.0	0.0	0.0
GKSS	4.3800E-04	3.9950E-03	3.6660E-03	8.1000E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	7.6510E-04	3.6000E-03	2.9560E-03	7.9220E-03	4.8100E-04	2.9150E-03	4.9370E-03	8.3330E-03
HITACHI(J2)	7.5740E-04	3.6180E-03	2.9400E-03	7.3150E-03	4.7330E-04	2.8960E-03	4.8870E-03	8.2560E-03
IKE	7.2915E-04	3.5350E-03	3.3593E-03	7.6235E-03	4.4712E-04	2.8238E-03	5.5503E-03	8.8213E-03
JAERI(SRAC)	7.4427E-04	3.4710E-03	2.8904E-03	7.1056E-03	4.6562E-04	2.8026E-03	4.8841E-03	8.1523E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	7.0695E-04	3.4802E-03	3.1317E-03	7.3189E-03	4.3370E-04	2.8081E-03	5.4030E-03	8.6447E-03
KFK(1985LIB.)	7.0265E-04	3.4489E-03	2.8397E-03	6.9914E-03	4.3072E-04	2.7885E-03	5.0353E-03	8.2545E-03
MAPI-CRC	8.3410E-04	3.8170E-03	3.4390E-03	8.0890E-03	5.2110E-04	2.9970E-03	5.6070E-03	9.1250E-03
NAIG	4.6230E-04	4.4930E-03	3.6496E-03	8.6050E-03	2.9400E-04	3.6652E-03	5.7746E-03	9.7340E-03
PNC	8.7260E-04	3.9780E-03	3.6080E-03	8.4590E-03	5.4170E-04	3.1730E-03	5.9660E-03	9.6810E-03
PSI(BOXER)	4.7603E-04	4.3308E-03	3.2270E-03	8.0338E-03	3.0527E-04	3.5672E-03	5.3857E-03	9.2582E-03
PSI(DANDE)	7.0781E-04	3.4591E-03	3.2675E-03	7.4344E-03	4.3476E-04	2.7471E-03	5.4481E-03	8.6300E-03
STUDSVIK	0.0	0.0	0.0	6.3200E-03	0.0	0.0	0.0	7.9400E-03
TUBS(DATUBS4)	6.8730E-04	3.6990E-03	3.0130E-03	7.3990E-03	4.3030E-04	3.0020E-03	5.0990E-03	8.5310E-03
TUBS(DATUBS5)	7.2930E-04	3.4590E-03	2.9390E-03	7.1280E-03	4.4650E-04	2.8030E-03	5.0060E-03	8.2560E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF AM243 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.9600E-04	4.7500E-03	6.4700E-03	1.1800E-02	4.2800E-04	4.4000E-03	9.6100E-03	1.4400E-02
CEA	0.0	0.0	0.0	1.2320E-02	0.0	0.0	0.0	0.0
GKSS	5.3910E-04	4.2390E-03	5.6420E-03	1.0420E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	8.3550E-04	5.0280E-03	6.1140E-03	1.1980E-02	5.7420E-04	4.4200E-03	8.7240E-03	1.3720E-02
HITACHI(J2)	8.0570E-04	4.8700E-03	5.9140E-03	1.1590E-02	5.5130E-04	4.2780E-03	8.2520E-03	1.3080E-02
IKE	7.9586E-04	4.7768E-03	6.2846E-03	1.1857E-02	5.4332E-04	4.2832E-03	8.9753E-03	1.3802E-02
JAERI(SRAC)	8.1104E-04	4.8023E-03	6.0699E-03	1.1683E-02	5.5199E-04	4.2576E-03	8.6756E-03	1.3485E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	7.3646E-04	4.7819E-03	6.0053E-03	1.1524E-02	4.7861E-04	4.1677E-03	8.4402E-03	1.3087E-02
KFK(1985LIB.)	1.0916E-03	7.0492E-03	7.8877E-03	1.6029E-02	7.7950E-04	6.7662E-03	1.2359E-02	1.9905E-02
MAPI-CRC	7.6450E-04	4.6480E-03	5.8790E-03	1.1290E-02	5.4010E-04	4.2170E-03	8.4550E-03	1.3210E-02
NAIG	5.3160E-04	4.0892E-03	4.7571E-03	9.3780E-03	3.8350E-04	3.7002E-03	7.0550E-03	1.1139E-02
PNC	0.0	4.3510E-03	5.9060E-03	1.0260E-02	0.0	3.6620E-03	7.9670E-03	1.1630E-02
PSI(BOXER)	7.7617E-04	5.5295E-03	7.3790E-03	1.3685E-02	5.6997E-04	5.0457E-03	1.1127E-02	1.6743E-02
PSI(DANDE)	8.4436E-04	5.3621E-03	6.8462E-03	1.3053E-02	5.7268E-04	4.7933E-03	9.7185E-03	1.5085E-02
STUDSVIK	0.0	0.0	0.0	1.4420E-02	0.0	0.0	0.0	1.7730E-02
TUBS(DATUBS4)	5.4190E-04	4.4420E-03	4.2470E-03	9.2390E-03	3.9580E-04	4.0740E-03	6.6940E-03	1.1160E-02
TUBS(DATUBS5)	5.5500E-04	4.4010E-03	4.1010E-03	9.0570E-03	3.9920E-04	4.0470E-03	6.5120E-03	1.0960E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF CM244 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.8600E-04	1.5900E-03	9.1700E-06	1.8900E-03	2.4500E-04	2.0900E-03	2.0000E-05	2.3600E-03
CEA	0.0	0.0	0.0	2.4610E-03	0.0	0.0	0.0	0.0
GKSS	2.3310E-04	1.6430E-03	8.1840E-06	1.8850E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	2.4140E-04	1.6370E-03	1.2880E-05	1.8910E-03	1.9640E-04	1.9000E-03	2.6290E-05	2.1230E-03
HITACHI(J2)	2.3160E-04	1.5950E-03	1.2410E-05	1.8390E-03	1.8610E-04	1.8080E-03	2.5730E-05	2.0200E-03
IKE	2.4856E-04	1.6545E-03	1.1834E-05	1.9149E-03	2.0570E-04	2.0039E-03	2.5151E-05	2.2348E-03
JAERI(SRAC)	2.3743E-04	1.5588E-03	1.5441E-05	1.8117E-03	1.9548E-04	1.8397E-03	3.0671E-05	2.0659E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.5368E-04	1.8629E-03	1.1235E-05	2.1278E-03	2.0020E-04	2.2556E-03	2.4251E-05	2.4800E-03
KFK(1985LIB.)	3.6453E-04	2.6204E-03	1.4423E-05	2.9994E-03	3.1996E-04	3.5159E-03	3.6124E-05	3.8719E-03
MAPI-CRC	2.2500E-04	1.8940E-03	1.1640E-05	2.1300E-03	1.8950E-04	2.2420E-03	2.4650E-05	2.4560E-03
NAIG	1.8600E-04	1.3704E-03	8.3000E-06	1.5650E-03	1.5840E-04	1.6546E-03	1.8200E-05	1.8310E-03
PNC	0.0	1.8390E-03	1.0070E-05	1.8490E-03	0.0	2.0760E-03	2.0630E-05	2.0960E-03
PSI(BOXER)	2.9022E-04	1.8566E-03	1.1806E-05	2.1586E-03	2.5451E-04	2.4568E-03	2.7936E-05	2.7392E-03
PSI(DANDE)	2.4749E-04	1.9485E-03	1.2233E-05	2.2082E-03	2.0145E-04	2.3300E-03	2.5583E-05	2.5570E-03
STUDSVIK	0.0	0.0	0.0	9.7000E-04	0.0	0.0	0.0	1.2700E-03
TUBS(DATUBS4)	1.7690E-04	1.3580E-03	7.9930E-06	1.5430E-03	1.5540E-04	1.7290E-03	1.8680E-05	1.9030E-03
TUBS(DATUBS5)	1.7290E-04	1.3130E-03	7.3820E-06	1.4940E-03	1.5250E-04	1.6860E-03	1.7280E-05	1.8550E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U235 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.0300E-03	3.9700E-03	6.3900E-04	5.6400E-03	7.0500E-04	3.4600E-03	1.6100E-03	5.7700E-03
CEA	0.0	0.0	0.0	5.5576E-03	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.0310E-03	4.0590E-03	7.2960E-04	5.8200E-03	7.1250E-04	3.5130E-03	1.7800E-03	6.0060E-03
HITACHI(J2)	1.0250E-03	3.9640E-03	7.1500E-04	5.7040E-03	7.0870E-04	3.4110E-03	1.8030E-03	5.9230E-03
IKE	1.0211E-03	4.0386E-03	6.8835E-04	5.7480E-03	7.0565E-04	3.5340E-03	1.7271E-03	5.9668E-03
JAERI(SRAC)	1.0226E-03	3.9641E-03	6.5824E-04	5.6448E-03	7.0884E-04	3.4547E-03	1.7022E-03	5.8656E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.0688E-03	3.8540E-03	6.0646E-04	5.5292E-03	7.2786E-04	3.4077E-03	1.6666E-03	5.8021E-03
KFK(1985LIB.)	1.0643E-03	3.8290E-03	5.5107E-04	5.4444E-03	7.2371E-04	3.3895E-03	1.5596E-03	5.6728E-03
MAPI-CRC	1.0480E-03	3.8330E-03	6.7950E-04	5.5610E-03	7.2380E-04	3.2900E-03	1.6930E-03	5.7060E-03
NAIG	1.0523E-03	4.1429E-03	6.5760E-04	5.8530E-03	7.1930E-04	3.5879E-03	1.6598E-03	5.9670E-03
PNC	1.1410E-03	3.8560E-03	6.8010E-04	5.6770E-03	7.7570E-04	3.3500E-03	1.7250E-03	5.8510E-03
PSI(BOXER)	1.0589E-03	3.9935E-03	6.2802E-04	5.6804E-03	7.2362E-04	3.5185E-03	1.6492E-03	5.8913E-03
PSI(DANDE)	1.0181E-03	3.9831E-03	6.5833E-04	5.6595E-03	7.0065E-04	3.4581E-03	1.6647E-03	5.8234E-03
STUDSVIK	0.0	0.0	0.0	5.7800E-03	0.0	0.0	0.0	5.9200E-03
TUBS(DATUBS4)	1.0460E-03	4.0770E-03	6.7100E-04	5.7940E-03	7.1920E-04	3.5890E-03	1.7710E-03	6.0800E-03
TUBS(DATUBS5)	1.0340E-03	3.9580E-03	6.1600E-04	5.6090E-03	7.1500E-04	3.5160E-03	1.6280E-03	5.8590E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U238 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.3200E-02	0.0	1.2000E-12	4.3200E-02	3.6300E-02	0.0	1.7000E-12	3.6300E-02
CEA	0.0	0.0	0.0	4.3525E-02	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.1530E-02	9.5200E-06	3.3960E-10	4.1540E-02	3.4600E-02	6.8140E-06	4.6390E-10	3.4610E-02
HITACHI(J2)	4.3400E-02	1.7380E-05	4.1200E-09	4.3420E-02	3.6120E-02	1.2530E-05	7.9670E-09	3.6130E-02
IKE	4.5387E-02	1.6701E-05	3.9237E-09	4.5404E-02	3.8415E-02	1.1747E-05	7.6167E-09	3.8427E-02
JAERI(SRAC)	4.5868E-02	1.8544E-05	0.0	4.5886E-02	3.8074E-02	1.2920E-05	0.0	3.8087E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.4773E-02	0.0	0.0	4.4773E-02	3.7033E-02	0.0	0.0	3.7033E-02
KFK(1985LIB.)	4.4170E-02	0.0	0.0	4.4171E-02	3.6444E-02	0.0	0.0	3.6444E-02
MAPI-CRC	4.6690E-02	1.7420E-05	4.0560E-09	4.6710E-02	3.9000E-02	1.2370E-05	7.6660E-09	3.9010E-02
NAIG	4.6323E-02	1.7700E-05	0.0	4.6341E-02	3.7507E-02	1.2500E-05	0.0	3.7519E-02
PNC	4.4340E-02	0.0	0.0	4.4340E-02	3.7010E-02	0.0	0.0	3.7010E-02
PSI(BOXER)	4.4999E-02	1.6161E-05	2.2396E-09	4.5015E-02	3.7441E-02	1.1234E-05	2.9865E-09	3.7452E-02
PSI(DANDE)	4.2538E-02	1.7597E-05	3.9037E-09	4.2556E-02	3.5827E-02	1.2434E-05	7.5299E-09	3.5840E-02
STUDSVIK	0.0	0.0	0.0	4.8070E-02	0.0	0.0	0.0	4.0060E-02
TUBS(DATUBS4)	4.4160E-02	3.1230E-06	0.0	4.4170E-02	3.7460E-02	2.1610E-06	0.0	3.7460E-02
TUBS(DATUBS5)	4.5130E-02	1.8650E-05	3.4730E-09	4.5150E-02	3.8250E-02	1.2990E-05	7.1530E-09	3.8260E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU239 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.3500E-02	1.1500E-01	4.9900E-02	2.0800E-01	2.3000E-02	8.1100E-02	1.0700E-01	2.1200E-01
CEA	0.0	0.0	0.0	2.0956E-01	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.2280E-02	1.1370E-01	5.5250E-02	2.1120E-01	2.2430E-02	8.0420E-02	1.1320E-01	2.1600E-01
HITACHI(J2)	4.2380E-02	1.1340E-01	5.4120E-02	2.0990E-01	2.2430E-02	7.9730E-02	1.1430E-01	2.1650E-01
IKE	4.3020E-02	1.1449E-01	5.3372E-02	2.1088E-01	2.2947E-02	7.9587E-02	1.1329E-01	2.1583E-01
JAERI(SRAC)	4.2966E-02	1.1352E-01	5.1131E-02	2.0762E-01	2.2883E-02	7.9905E-02	1.1148E-01	2.1427E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.3862E-02	1.1571E-01	4.9524E-02	2.0909E-01	2.2888E-02	8.1595E-02	1.0868E-01	2.1316E-01
KFK(1985LIB.)	4.4020E-02	1.1559E-01	4.5999E-02	2.0561E-01	2.2992E-02	8.1812E-02	1.0335E-01	2.0815E-01
MAPI-CRC	4.3690E-02	1.1220E-01	5.2340E-02	2.0820E-01	2.3370E-02	7.8520E-02	1.1060E-01	2.1250E-01
NAIG	4.3938E-02	1.1349E-01	5.2183E-02	2.0961E-01	2.3021E-02	7.9188E-02	1.1057E-01	2.1278E-01
PNC	4.3910E-02	1.1260E-01	5.3170E-02	2.0970E-01	2.2910E-02	7.8110E-02	1.1220E-01	2.1320E-01
PSI(BOXER)	4.3980E-02	1.1418E-01	4.9762E-02	2.0792E-01	2.3096E-02	8.0523E-02	1.0838E-01	2.1200E-01
PSI(DANDE)	4.2886E-02	1.1468E-01	5.2637E-02	2.1020E-01	2.2720E-02	8.0421E-02	1.1160E-01	2.1474E-01
STUDSVIK	0.0	0.0	0.0	2.0904E-01	0.0	0.0	0.0	2.1332E-01
TUBS(DATUBS4)	4.2820E-02	1.2030E-01	4.6850E-02	2.1000E-01	2.3030E-02	8.5460E-02	1.0590E-01	2.1440E-01
TUBS(DATUBS5)	4.3580E-02	1.1890E-01	4.5350E-02	2.0780E-01	2.3570E-02	8.4950E-02	1.0350E-01	2.1200E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU240 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	9.1500E-03	8.0000E-04	1.1600E-05	9.9600E-03	5.6500E-03	4.8100E-04	1.9400E-05	6.1600E-03
CEA	0.0	0.0	0.0	8.8931E-03	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	8.9800E-03	7.7750E-04	1.3140E-05	9.7510E-03	5.5950E-03	4.6680E-04	2.1090E-05	6.0830E-03
HITACHI(J2)	9.0220E-03	9.0810E-04	1.3400E-05	9.9430E-03	5.6170E-03	5.4430E-04	2.1320E-05	6.1820E-03
IKE	9.0967E-03	9.0216E-04	1.2941E-05	1.0012E-02	5.7131E-03	5.4141E-04	2.0851E-05	6.2754E-03
JAERI(SRAC)	9.2277E-03	9.0029E-04	1.2796E-05	1.0141E-02	5.7711E-03	5.4577E-04	2.0755E-05	6.3375E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	9.0737E-03	5.6810E-04	1.1930E-05	9.6536E-03	5.4983E-03	3.5680E-04	1.9775E-05	5.8748E-03
KFK(1985LIB.)	9.1202E-03	5.7215E-04	1.1032E-05	9.7032E-03	5.5139E-03	3.5993E-04	1.8679E-05	5.8925E-03
MAPI-CRC	9.2830E-03	8.6590E-04	1.3410E-05	1.0160E-02	5.7950E-03	5.2670E-04	2.1120E-05	6.3430E-03
NAIG	9.4386E-03	4.0030E-04	1.2500E-05	9.8510E-03	5.7351E-03	2.3450E-04	1.9900E-05	5.9890E-03
PNC	9.3850E-03	8.8090E-04	1.3760E-06	1.0280E-02	5.6990E-03	5.4050E-04	2.1730E-05	6.2610E-03
PSI(BOXER)	9.5629E-03	7.6346E-04	1.2397E-05	1.0339E-02	5.8454E-03	4.5994E-04	2.0318E-05	6.3257E-03
PSI(DANDE)	8.6943E-03	8.6505E-04	1.3280E-05	9.5726E-03	5.3820E-03	5.2918E-04	2.1257E-05	5.9324E-03
STUDSVIK	0.0	0.0	0.0	9.8200E-03	0.0	0.0	0.0	6.1200E-03
TUBS(DATUBS4)	8.9510E-03	7.9100E-04	1.2340E-05	9.7550E-03	5.5800E-03	4.8090E-04	1.9020E-05	6.0800E-03
TUBS(DATUBS5)	8.8370E-03	9.2290E-04	1.2590E-05	9.7720E-03	5.5720E-03	5.6810E-04	2.0600E-05	6.1610E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU241 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	9.3500E-03	5.2100E-02	8.7400E-03	7.0200E-02	6.4200E-03	5.0100E-02	2.4800E-02	8.1300E-02
CEA	0.0	0.0	0.0	6.8038E-02	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	9.3850E-03	5.2830E-02	1.0140E-02	7.2150E-02	6.3930E-03	4.9430E-02	2.7240E-02	8.3060E-02
HITACHI(J2)	9.4770E-03	5.1230E-02	9.9970E-03	7.0700E-02	6.3770E-03	4.8170E-02	2.7840E-02	8.2390E-02
IKE	9.4464E-03	4.9526E-02	9.5551E-03	6.8528E-02	6.3653E-03	4.7129E-02	2.6473E-02	7.9967E-02
JAERI(SRAC)	9.4469E-03	4.9312E-02	9.3260E-03	6.8085E-02	6.3773E-03	4.6817E-02	2.6600E-02	7.9794E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	9.6085E-03	4.9457E-02	9.7939E-03	6.7859E-02	6.4951E-03	4.8561E-02	2.5693E-02	8.0749E-02
KFK(1985LIB.)	9.4481E-03	4.8295E-02	7.9415E-03	6.5685E-02	6.4002E-03	4.7640E-02	2.3899E-02	7.7939E-02
MAPI-CRC	9.5990E-03	4.9710E-02	9.5790E-03	6.8890E-02	6.4690E-03	4.7040E-02	2.6140E-02	7.9660E-02
NAIG	9.6820E-03	5.1514E-02	9.2994E-03	7.0496E-02	6.5721E-03	4.9521E-02	2.6213E-02	8.2306E-02
PNC	9.7550E-03	5.1930E-02	9.9250E-03	7.1610E-02	6.5510E-03	4.9220E-02	2.7920E-02	8.3700E-02
PSI(BOXER)	9.7744E-03	5.1139E-02	9.0864E-03	7.0000E-02	6.6771E-03	4.9371E-02	2.6373E-02	8.2421E-02
PSI(DANDE)	9.4533E-03	5.1254E-02	9.3636E-03	7.0071E-02	6.4037E-03	4.8937E-02	2.6028E-02	8.1368E-02
STUDSVIK	0.0	0.0	0.0	6.8190E-02	0.0	0.0	0.0	8.0080E-02
TUBS(DATUBS4)	9.6200E-03	5.0990E-02	1.1990E-02	7.2600E-02	6.5290E-03	4.8180E-02	3.0280E-02	8.4990E-02
TUBS(DATUBS5)	9.6500E-03	4.8100E-02	1.1710E-02	6.9450E-02	6.4790E-03	4.5770E-02	2.9730E-02	8.1980E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU242 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.1300E-03	0.0	0.0	2.1300E-03	1.4200E-03	0.0	0.0	1.4200E-03
CEA	0.0	0.0	0.0	1.9822E-03	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	2.1080E-03	0.0	0.0	2.1080E-03	1.4260E-03	0.0	0.0	1.4260E-03
HITACHI(J2)	2.0450E-03	3.3000E-05	1.2830E-05	2.0900E-03	1.3870E-03	2.1390E-05	1.5670E-05	1.4240E-03
IKE	2.0687E-03	3.2134E-05	1.0745E-05	2.1116E-03	1.4174E-03	2.0677E-05	1.3477E-05	1.4516E-03
JAERI(SRAC)	2.0616E-03	3.3501E-05	1.1975E-05	2.1071E-03	1.4055E-03	2.1817E-05	1.5396E-05	1.4427E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.1202E-03	1.4873E-05	5.2205E-09	2.1351E-03	1.4508E-03	1.0207E-05	7.4445E-09	1.4610E-03
KFK(1985LIB.)	1.8827E-03	1.3399E-05	4.1229E-09	1.8961E-03	1.2159E-03	8.7723E-06	5.7755E-09	1.2247E-03
MAPI-CRC	2.1240E-03	3.2220E-05	1.1360E-05	2.1670E-03	1.4390E-03	2.1190E-05	1.5040E-05	1.4750E-03
NAIG	2.1726E-03	3.2200E-05	1.2400E-05	2.2170E-03	1.4435E-03	2.1000E-05	1.5900E-05	1.4800E-03
PNC	2.1310E-03	3.2730E-05	3.0840E-05	2.1950E-03	1.4370E-03	2.1760E-05	3.4930E-05	1.4940E-03
PSI(BOXER)	2.0172E-03	0.0	0.0	2.0172E-03	1.3102E-03	0.0	0.0	1.3102E-03
PSI(DANDE)	1.9522E-03	3.0520E-05	1.2741E-05	1.9955E-03	1.3190E-03	1.9743E-05	1.5457E-05	1.3542E-03
STUDSVIK	0.0	0.0	0.0	1.9800E-03	0.0	0.0	0.0	1.3100E-03
TUBS(DATUBS4)	1.9650E-03	2.9360E-05	8.0490E-09	1.9940E-03	1.3430E-03	1.9120E-05	1.5270E-08	1.3620E-03
TUBS(DATUBS5)	1.9950E-03	3.4380E-05	9.4990E-06	2.0380E-03	1.3790E-03	2.3400E-05	1.1840E-05	1.4140E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF AM241 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.9500E-04	2.2600E-05	1.2700E-05	3.3000E-04	2.1100E-04	1.7600E-05	2.2500E-05	2.5100E-04
CEA	0.0	0.0	0.0	3.6312E-04	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	3.1300E-04	2.7460E-05	1.4620E-05	3.5510E-04	2.2410E-04	2.2180E-05	2.5230E-05	2.7150E-04
HITACHI(J2)	3.0810E-04	2.7750E-05	1.4540E-05	3.5030E-04	2.1950E-04	2.2070E-05	2.4890E-05	2.6650E-04
IKE	2.7688E-04	2.4560E-05	2.0462E-05	3.2190E-04	1.9649E-04	1.9921E-05	3.5129E-05	2.5154E-04
JAERI(SRAC)	3.1149E-04	2.6521E-05	1.4299E-05	3.5230E-04	2.2128E-04	2.1244E-05	2.4889E-05	2.6742E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.0551E-04	2.4636E-05	1.8327E-05	3.4847E-04	2.1217E-04	2.0231E-05	3.3199E-05	2.6560E-04
KFK(1985LIB.)	3.0239E-04	2.4386E-05	1.6656E-05	3.4344E-04	2.0963E-04	2.0063E-05	3.0938E-05	2.6063E-04
MAPI-CRC	3.4800E-04	2.9630E-05	1.6990E-05	3.9460E-04	2.4820E-04	2.3170E-05	2.8520E-05	2.9990E-04
NAIG	2.8580E-04	1.4090E-04	1.8100E-05	4.4500E-04	1.9600E-04	9.2400E-05	3.0200E-05	3.1900E-04
PNC	3.5900E-04	3.0970E-05	1.7520E-05	4.0750E-04	2.5260E-04	2.4550E-05	3.0110E-05	3.0720E-04
PSI(BOXER)	2.9384E-04	1.3786E-04	1.5471E-05	4.4717E-04	2.0389E-04	9.0268E-05	2.7668E-05	3.2183E-04
PSI(DANDE)	2.5742E-04	2.4389E-05	1.9573E-05	3.0138E-04	1.8328E-04	1.9711E-05	3.4051E-05	2.3705E-04
STUDSVIK	0.0	0.0	0.0	2.7000E-04	0.0	0.0	0.0	1.9000E-04
TUBS(DATUBS4)	3.0180E-04	2.3850E-05	1.3000E-05	3.3870E-04	2.1490E-04	1.8520E-05	2.3130E-05	2.5650E-04
TUBS(DATUBS5)	2.7130E-04	2.4030E-05	1.8860E-05	3.1420E-04	1.9230E-04	1.9800E-05	3.2690E-05	2.4480E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF AM243 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.4300E-04	6.5100E-07	0.0	3.4400E-04	2.7200E-04	4.2000E-07	0.0	2.7200E-04
CEA	0.0	0.0	0.0	3.2791E-04	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	3.5430E-04	1.5380E-05	1.7560E-05	3.8720E-04	2.7760E-04	1.3520E-05	2.4960E-05	3.1610E-04
HITACHI(J2)	3.3940E-04	1.4890E-05	1.6980E-05	3.7130E-04	2.6530E-04	1.3090E-05	2.3640E-05	3.0200E-04
IKE	3.0179E-04	3.5171E-06	4.0655E-06	3.0937E-04	2.3913E-04	3.1008E-06	5.7835E-06	2.4801E-04
JAERI(SRAC)	3.5189E-04	1.4699E-05	1.7428E-05	3.8401E-04	2.7227E-04	1.3041E-05	2.4812E-05	3.1012E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.5195E-04	1.6359E-06	3.1186E-08	3.5361E-04	2.5654E-04	1.0516E-06	4.7322E-08	2.5763E-04
KFK(1985LIB.)	5.1970E-04	2.4293E-06	4.0774E-08	5.2216E-04	4.1588E-04	1.7207E-06	7.0988E-08	4.1767E-04
MAPI-CRC	3.3170E-04	1.4240E-05	1.6860E-05	3.6280E-04	2.6780E-04	1.2930E-05	2.4170E-05	3.0490E-04
NAIG	3.2950E-04	0.0	0.0	3.2900E-04	2.5780E-04	0.0	0.0	2.5800E-04
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	4.7899E-04	0.0	0.0	4.7899E-04	3.8316E-04	0.0	0.0	3.8316E-04
PSI(DANDE)	3.0709E-04	3.9416E-06	4.4229E-06	3.1545E-04	2.4242E-04	3.4685E-06	6.2591E-06	2.5215E-04
STUDSVIK	0.0	0.0	0.0	4.9000E-04	0.0	0.0	0.0	3.9000E-04
TUBS(DATUBS4)	3.2960E-04	0.0	0.0	3.2960E-04	2.6120E-04	0.0	0.0	2.6120E-04
TUBS(DATUBS5)	3.3170E-04	0.0	0.0	3.3170E-04	2.6280E-04	0.0	0.0	2.6280E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF CM244 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.9100E-04	3.7100E-05	2.5500E-07	2.2800E-04	1.7400E-04	4.4500E-05	6.8200E-07	2.1900E-04
CEA	0.0	0.0	0.0	3.4052E-04	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.8050E-04	3.8860E-05	8.1280E-07	2.2020E-04	1.5300E-04	4.1580E-05	1.7750E-06	1.9630E-04
HITACHI(J2)	1.7250E-04	3.7990E-05	7.8560E-07	2.1120E-04	1.4450E-04	3.9660E-05	1.7420E-06	1.8590E-04
IKE	1.8138E-04	4.2676E-05	4.7869E-07	2.2453E-04	1.5796E-04	4.5968E-05	1.2050E-06	2.0514E-04
JAERI(SRAC)	1.7808E-04	3.7145E-05	8.1789E-07	2.1605E-04	1.5274E-04	4.0508E-05	1.8254E-06	1.9508E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.8841E-04	4.3809E-05	4.4763E-07	2.3267E-04	1.5540E-04	4.7853E-05	1.1556E-06	2.0441E-04
KFK(1985LIB.)	2.7037E-04	6.2166E-05	5.8311E-07	3.3312E-04	2.4793E-04	7.5293E-05	1.7364E-06	3.2496E-04
MAPI-CRC	1.6910E-04	4.0870E-05	7.2980E-07	2.1070E-04	1.4840E-04	4.5200E-05	1.6540E-06	1.9530E-04
NAIG	1.5770E-04	7.6800E-05	5.0000E-07	2.3500E-04	1.3760E-04	9.3600E-05	1.1000E-06	2.3200E-04
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	2.4586E-04	9.6867E-05	6.9606E-05	3.4342E-04	2.2101E-04	1.3356E-04	1.6401E-06	3.5621E-04
PSI(DANDE)	1.8107E-04	4.1642E-05	4.8601E-07	2.2320E-04	1.5493E-04	4.6737E-05	1.2047E-06	2.0287E-04
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.4770E-04	7.6580E-05	4.7130E-07	2.2480E-04	1.3370E-04	9.8310E-05	1.0960E-06	2.3310E-04
TUBS(DATUBS5)	1.4410E-04	7.4040E-05	4.3530E-07	2.1860E-04	1.3110E-04	9.5850E-05	1.0150E-06	2.2790E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U235 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.5900E-03	9.6100E-03	1.5500E-03	1.3700E-02	1.8000E-03	8.3700E-03	3.8800E-03	1.4100E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.5914E-03	8.6584E-03	1.8800E-03	1.3133E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	2.6010E-03	9.8190E-03	1.7680E-03	1.4190E-02	1.8100E-03	8.4980E-03	4.3160E-03	1.4630E-02
HITACHI(J2)	2.5880E-03	9.6270E-03	1.7370E-03	1.3950E-02	1.8010E-03	8.2850E-03	4.3780E-03	1.4460E-02
IKE	2.5809E-03	9.8408E-03	1.6773E-03	1.4099E-02	1.7971E-03	8.6114E-03	4.2083E-03	1.4617E-02
JAERI(SRAC)	2.5875E-03	9.6284E-03	1.5986E-03	1.3814E-02	1.8070E-03	8.3909E-03	4.1339E-03	1.4332E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.7017E-03	9.3384E-03	1.4695E-03	1.3510E-02	1.8525E-03	8.2568E-03	4.0381E-03	1.4147E-02
KFK(1985LIB.)	2.6888E-03	9.2778E-03	1.3353E-03	1.3302E-02	1.8406E-03	8.2128E-03	3.7789E-03	1.3832E-02
MAPI-CRC	2.6510E-03	9.3110E-03	1.6560E-03	1.3610E-02	1.8460E-03	7.9900E-03	4.1110E-03	1.3950E-02
NAIG	2.6629E-03	1.0095E-02	1.6024E-03	1.4360E-02	1.8315E-03	8.7426E-03	4.0444E-03	1.4619E-02
PNC	2.8790E-03	9.3920E-03	1.6540E-03	1.3920E-02	1.9700E-03	8.1580E-03	4.1950E-03	1.4320E-02
PSI(BOXER)	2.6785E-03	9.6598E-03	1.5190E-03	1.3857E-02	1.8450E-03	8.5108E-03	3.9891E-03	1.4345E-02
PSI(DANDE)	2.5688E-03	9.7056E-03	1.6041E-03	1.3879E-02	1.7804E-03	8.4263E-03	4.0563E-03	1.4263E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.6470E-03	9.9350E-03	1.6350E-03	1.4220E-02	1.8340E-03	8.7460E-03	4.3160E-03	1.4900E-02
TUBS(DATUBS5)	2.6130E-03	9.6460E-03	1.5010E-03	1.3760E-02	1.8200E-03	8.5670E-03	3.9680E-03	1.4360E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U238 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2100E-01	0.0	2.8000E-12	1.2100E-01	1.0200E-01	0.0	4.0000E-12	1.0200E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.2520E-01	7.1160E-08	0.0	1.2520E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.1540E-01	2.2080E-05	7.8770E-10	1.1550E-01	9.6680E-02	1.5810E-05	1.0760E-08	9.6700E-02
HITACHI(J2)	1.2080E-01	4.0310E-05	9.5560E-09	1.2080E-01	1.0090E-01	2.9060E-05	1.8480E-08	1.0090E-01
IKE	1.2665E-01	3.8741E-05	9.1010E-09	1.2669E-01	1.0773E-01	2.7249E-05	1.7667E-08	1.0776E-01
JAERI(SRAC)	1.2821E-01	4.3010E-05	0.0	1.2826E-01	1.0694E-01	2.9966E-05	0.0	1.0697E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.2519E-01	0.0	0.0	1.2519E-01	1.0400E-01	0.0	0.0	1.0400E-01
KFK(1985LIB.)	1.2331E-01	0.0	0.0	1.2331E-01	1.0218E-01	0.0	0.0	1.0218E-01
MAPI-CRC	1.3080E-01	4.0420E-05	9.4080E-09	1.3090E-01	1.0980E-01	2.8690E-05	1.7780E-08	1.0980E-01
NAIG	1.2987E-01	2.7000E-06	0.0	1.2988E-01	1.0545E-01	1.8000E-06	0.0	1.0545E-01
PNC	1.2350E-01	0.0	0.0	1.2350E-01	1.0360E-01	0.0	0.0	1.0360E-01
PSI(BOXER)	1.2573E-01	3.7488E-05	5.1947E-09	1.2576E-01	1.0519E-01	2.6058E-05	6.9271E-09	1.0521E-01
PSI(DANDE)	1.1864E-01	4.0819E-05	9.0475E-09	1.1868E-01	1.0039E-01	2.8842E-05	1.7454E-08	1.0042E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.2440E-01	7.2440E-06	0.0	1.2440E-01	1.0610E-01	5.0120E-06	0.0	1.0610E-01
TUBS(DATUBS5)	1.2640E-01	4.3270E-05	8.0550E-09	1.2640E-01	1.0760E-01	3.0130E-05	1.6590E-08	1.0760E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU239 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.3200E-01	3.3000E-01	1.4300E-01	6.0500E-01	7.0200E-02	2.3300E-01	3.0900E-01	6.1200E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.3032E-01	3.2294E-01	1.5755E-01	6.1072E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.2760E-01	3.2670E-01	1.5870E-01	6.1300E-01	6.8210E-02	2.3110E-01	3.2520E-01	6.2450E-01
HITACHI(J2)	1.2840E-01	3.2670E-01	1.5590E-01	6.1100E-01	6.8520E-02	2.2970E-01	3.2940E-01	6.2750E-01
IKE	1.2970E-01	3.2432E-01	1.5314E-01	6.0716E-01	6.9758E-02	2.2536E-01	3.2513E-01	6.2026E-01
JAERI(SRAC)	1.3056E-01	3.2695E-01	1.4729E-01	6.0480E-01	7.0113E-02	2.3014E-01	3.2114E-01	6.2140E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.3326E-01	3.3377E-01	1.4283E-01	6.0987E-01	7.0088E-02	2.3537E-01	3.1341E-01	6.1888E-01
KFK(1985LIB.)	1.3367E-01	3.3345E-01	1.3267E-01	5.9978E-01	7.0356E-02	2.3600E-01	2.9803E-01	6.0438E-01
MAPI-CRC	1.3280E-01	3.2310E-01	1.5080E-01	6.0660E-01	7.1650E-02	2.2620E-01	3.1850E-01	6.1630E-01
NAIG	1.3362E-01	3.2683E-01	1.5073E-01	6.1119E-01	7.0536E-02	2.2804E-01	3.1947E-01	6.1805E-01
PNC	1.3300E-01	3.2430E-01	1.5310E-01	6.1040E-01	6.9940E-02	2.2500E-01	3.2320E-01	6.1810E-01
PSI(BOXER)	1.3309E-01	3.2807E-01	1.4298E-01	6.0414E-01	7.0458E-02	2.3137E-01	3.1141E-01	6.1324E-01
PSI(DANDE)	1.2902E-01	3.2484E-01	1.5103E-01	6.0490E-01	6.8893E-02	2.2772E-01	3.2028E-01	6.1689E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.2980E-01	3.4570E-01	1.3460E-01	6.1000E-01	7.0400E-02	2.4560E-01	3.0440E-01	6.2040E-01
TUBS(DATUBS5)	1.3130E-01	3.3680E-01	1.3010E-01	5.9830E-01	7.1620E-02	2.4060E-01	2.9710E-01	6.0930E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU240 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.8800E-02	2.3000E-03	3.3300E-05	3.1100E-02	1.7900E-02	1.3800E-03	5.5700E-05	1.9400E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.8757E-02	1.7524E-03	3.1993E-05	3.0546E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	2.8120E-02	2.2310E-03	3.7720E-05	3.0390E-02	1.7670E-02	1.3400E-03	6.0510E-05	1.9070E-02
HITACHI(J2)	2.7670E-02	2.5280E-03	3.7300E-05	3.0230E-02	1.7340E-02	1.5150E-03	5.9350E-05	1.8910E-02
IKE	2.7969E-02	2.5116E-03	3.6025E-05	3.0516E-02	1.7699E-02	1.5073E-03	5.8044E-05	1.9264E-02
JAERI(SRAC)	2.8404E-02	2.5064E-03	3.5622E-05	3.0946E-02	1.7883E-02	1.5194E-03	5.7777E-05	1.9460E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.8919E-02	1.6363E-03	3.4342E-05	3.0589E-02	1.7652E-02	1.0277E-03	5.6923E-05	1.8736E-02
KFK(1985LIB.)	2.9038E-02	1.6480E-03	3.1756E-05	3.0718E-02	1.7682E-02	1.0367E-03	5.3767E-05	1.8772E-02
MAPI-CRC	2.8590E-02	2.4110E-03	3.7330E-05	3.1030E-02	1.7970E-02	1.4660E-03	5.8790E-05	1.9500E-02
NAIG	2.9266E-02	1.1221E-03	3.5000E-05	3.0423E-02	1.7885E-02	6.5730E-04	5.5700E-05	1.8598E-02
PNC	2.8700E-02	2.4520E-03	3.8320E-05	3.1190E-02	1.7560E-02	1.5050E-03	6.0500E-05	1.9130E-02
PSI(BOXER)	3.0097E-02	2.1911E-03	3.5577E-05	3.2324E-02	1.8526E-02	1.3200E-03	5.8307E-05	1.9905E-02
PSI(DANDE)	2.6669E-02	2.4083E-03	3.6969E-05	2.9114E-02	1.6633E-02	1.4732E-03	5.9176E-05	1.8166E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.8330E-02	2.2700E-03	3.5430E-05	3.0630E-02	1.7780E-02	1.3800E-03	5.4580E-05	1.9220E-02
TUBS(DATUBS5)	2.7240E-02	2.5690E-03	3.5040E-05	2.9840E-02	1.7300E-02	1.5820E-03	5.7340E-05	1.8930E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU241 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.8600E-02	1.5300E-01	2.5600E-02	2.0700E-01	1.9800E-02	1.4700E-01	7.2800E-02	2.3900E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.9330E-02	1.5454E-01	3.0918E-02	2.1483E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	2.8630E-02	1.5430E-01	2.9740E-02	2.1270E-01	1.9630E-02	1.4490E-01	7.9890E-02	2.4450E-01
HITACHI(J2)	2.8870E-02	1.5020E-01	2.9310E-02	2.0840E-01	1.9550E-02	1.4130E-01	8.1630E-02	2.4240E-01
IKE	2.8818E-02	1.4523E-01	2.8018E-02	2.0206E-01	1.9561E-02	1.3820E-01	7.7626E-02	2.3538E-01
JAERI(SRAC)	2.8828E-02	1.4460E-01	2.7347E-02	2.0077E-01	1.9592E-02	1.3728E-01	7.7998E-02	2.3487E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.9260E-02	1.4464E-01	2.5704E-02	1.9961E-01	1.9911E-02	1.4201E-01	7.5093E-02	2.3702E-01
KFK(1985LIB.)	2.8759E-02	1.4125E-01	2.3212E-02	1.9322E-01	1.9608E-02	1.3932E-01	6.9848E-02	2.2878E-01
MAPI-CRC	2.9300E-02	1.4580E-01	2.8090E-02	2.0320E-01	1.9890E-02	1.3800E-01	7.6670E-02	2.3450E-01
NAIG	2.9579E-02	1.5106E-01	2.7268E-02	2.0791E-01	2.0203E-02	1.4521E-01	7.6864E-02	2.4228E-01
PNC	2.9710E-02	1.5230E-01	2.9100E-02	2.1110E-01	2.0080E-02	1.4430E-01	8.1880E-02	2.4630E-01
PSI(BOXER)	2.9891E-02	1.4996E-01	2.6644E-02	2.0649E-01	2.0567E-02	1.4477E-01	7.7334E-02	2.4267E-01
PSI(DANDE)	2.8790E-02	1.5030E-01	2.7457E-02	2.0654E-01	1.9637E-02	1.4350E-01	7.6321E-02	2.3946E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.9420E-02	1.4950E-01	3.5150E-02	2.1410E-01	2.0130E-02	1.4130E-01	8.8790E-02	2.5020E-01
TUBS(DATUBS5)	2.9420E-02	1.4100E-01	3.4320E-02	2.0480E-01	1.9900E-02	1.3420E-01	8.7170E-02	2.4130E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU242 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.6200E-03	0.0	0.0	6.6200E-03	4.4600E-03	0.0	0.0	4.4600E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	6.7412E-03	0.0	0.0	6.7412E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	6.5290E-03	0.0	0.0	6.5290E-03	4.4450E-03	0.0	0.0	4.4450E-03
HITACHI(J2)	6.3210E-03	9.2670E-05	3.6030E-05	6.4500E-03	4.3110E-03	6.0070E-05	4.4000E-05	4.4160E-03
IKE	6.4116E-03	9.0237E-05	3.0173E-05	6.5320E-03	4.4213E-03	5.8065E-05	3.7845E-05	4.5172E-03
JAERI(SRAC)	6.3961E-03	9.4076E-05	3.3627E-05	6.5237E-03	4.3849E-03	6.1265E-05	4.3232E-05	4.4893E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.7991E-03	4.2853E-05	1.5044E-08	6.8419E-03	4.6817E-03	2.9409E-05	2.1450E-08	4.7111E-03
KFK(1985LIB.)	6.0314E-03	3.8607E-05	1.1881E-08	6.0700E-03	3.9193E-03	2.5274E-05	1.6642E-08	3.9446E-03
MAPI-CRC	6.5930E-03	9.0500E-05	3.1890E-05	6.7150E-03	4.4940E-03	5.9500E-05	4.2220E-05	4.5950E-03
NAIG	6.7401E-03	9.0400E-05	3.4900E-05	6.8650E-03	4.4997E-03	5.9000E-05	4.4700E-05	4.6030E-03
PNC	6.5710E-03	9.1910E-05	8.6610E-05	6.7490E-03	4.4620E-03	6.1100E-05	9.8080E-05	4.6210E-03
PSI(BOXER)	6.2687E-03	0.0	0.0	6.2687E-03	4.1006E-03	0.0	0.0	4.1006E-03
PSI(DANDE)	6.0388E-03	8.5704E-05	3.5777E-05	6.1602E-03	4.1058E-03	5.5440E-05	4.3405E-05	4.2046E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	6.1800E-03	8.2510E-05	2.2620E-08	6.2630E-03	4.2540E-03	5.3730E-05	4.2920E-08	4.3080E-03
TUBS(DATUBS5)	6.1950E-03	9.6540E-05	2.6670E-05	6.3180E-03	4.3090E-03	6.5710E-05	3.3260E-05	4.4080E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF AM241 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.0200E-03	6.9800E-05	3.9100E-05	1.1300E-03	7.3200E-04	5.4500E-05	6.9500E-05	8.5600E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	9.2241E-04	4.1780E-04	4.6613E-05	1.3866E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.1120E-03	8.8500E-05	4.7140E-05	1.2470E-03	7.9970E-04	7.1500E-05	8.1340E-05	9.5250E-04
HITACHI(J2)	1.0970E-03	8.9450E-05	4.6880E-05	1.2340E-03	7.8530E-04	7.1140E-05	8.0240E-05	9.3660E-04
IKE	1.0234E-03	8.1786E-05	6.8137E-05	1.1733E-03	7.3013E-04	6.6340E-05	1.1698E-04	9.1345E-04
JAERI(SRAC)	1.1130E-03	8.5492E-05	4.6094E-05	1.2446E-03	7.9431E-04	6.8483E-05	8.0231E-05	9.4302E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.0698E-03	7.6702E-05	5.7002E-05	1.2035E-03	7.4730E-04	6.2972E-05	1.0325E-04	9.1352E-04
KFK(1985LIB.)	1.0577E-03	7.5924E-05	5.1803E-05	1.1854E-03	7.3745E-04	6.2450E-05	9.6221E-05	8.9612E-04
MAPI-CRC	1.2450E-03	9.5510E-05	5.4760E-05	1.3950E-03	8.9210E-04	7.4710E-05	9.1920E-05	1.0590E-03
NAIG	9.8480E-04	4.3540E-04	5.5900E-05	1.4760E-03	6.7910E-04	2.8540E-04	9.3300E-05	1.0580E-03
PNC	1.2760E-03	9.9850E-05	5.6480E-05	1.4320E-03	9.0260E-04	7.9130E-05	9.7060E-05	1.0790E-03
PSI(BOXER)	1.0094E-03	4.2603E-04	4.7804E-05	1.4832E-03	7.0588E-04	2.7894E-04	8.5478E-05	1.0703E-03
PSI(DANDE)	9.5008E-04	8.1216E-05	6.5180E-05	1.0965E-03	6.8004E-04	6.5639E-05	1.1339E-04	8.5907E-04
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.0470E-03	7.3710E-05	4.0160E-05	1.1610E-03	7.4980E-04	5.7220E-05	7.1480E-05	8.7850E-04
TUBS(DATUBS5)	1.0040E-03	8.0030E-05	6.2800E-05	1.1470E-03	7.1540E-04	6.5950E-05	1.0890E-04	8.9020E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF AM243 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2700E-03	2.1300E-06	0.0	1.2800E-03	1.0200E-03	1.3700E-06	0.0	1.0200E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.1043E-03	0.0	0.0	1.1043E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.2650E-03	4.9350E-05	5.6350E-05	1.3700E-03	9.9590E-04	4.3380E-05	8.0100E-05	1.1190E-03
HITACHI(J2)	1.2150E-03	4.7790E-05	5.4480E-05	1.3170E-03	9.5370E-04	4.2000E-05	7.5860E-05	1.0720E-03
IKE	1.0518E-03	1.0780E-05	1.2457E-05	1.0750E-03	8.3842E-04	9.5035E-06	1.7721E-05	8.6564E-04
JAERI(SRAC)	1.2643E-03	4.7176E-05	5.5934E-05	1.3674E-03	9.8276E-04	4.1854E-05	7.9635E-05	1.1042E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.1388E-03	4.5818E-06	8.7320E-08	1.1435E-03	8.3577E-04	2.9453E-06	1.3250E-07	8.3885E-04
KFK(1985LIB.)	1.6793E-03	6.8042E-06	1.1417E-07	1.6862E-03	1.3529E-03	4.8194E-06	1.9877E-07	1.3579E-03
MAPI-CRC	1.1930E-03	4.5710E-05	5.4100E-05	1.2930E-03	9.6800E-04	4.1500E-05	7.7560E-05	1.0870E-03
NAIG	1.1044E-03	0.0	0.0	1.1040E-03	8.6670E-04	0.0	0.0	8.6700E-04
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	1.6145E-03	0.0	0.0	1.6145E-03	1.2985E-03	0.0	0.0	1.2985E-03
PSI(DANDE)	1.0686E-03	1.2081E-05	1.3552E-05	1.0942E-03	8.4852E-04	1.0630E-05	1.9178E-05	8.7833E-04
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.1160E-03	0.0	0.0	1.1160E-03	8.8960E-04	0.0	0.0	8.8960E-04
TUBS(DATUBS5)	1.1250E-03	0.0	0.0	1.1250E-03	8.9600E-04	0.0	0.0	8.9600E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF CM244 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	7.2800E-04	1.2800E-04	8.8300E-07	8.5700E-04	6.6900E-04	1.5400E-04	2.3600E-06	8.2500E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	6.8628E-04	2.9983E-04	1.3615E-06	9.8752E-04	0.0	0.0	0.0	0.0
HITACHI(B4)	6.4380E-04	1.2590E-04	2.6340E-06	7.7230E-04	5.4920E-04	1.3470E-04	5.7490E-06	6.8970E-04
HITACHI(J2)	6.1670E-04	1.2310E-04	2.5460E-06	7.4240E-04	5.2000E-04	1.2850E-04	5.6430E-06	6.5410E-04
IKE	6.5332E-04	1.3827E-04	1.5509E-06	7.9314E-04	5.7351E-04	1.4894E-04	3.9042E-06	7.2635E-04
JAERI(SRAC)	6.3930E-04	1.2035E-04	2.6499E-06	7.6230E-04	5.5193E-04	1.3125E-04	5.9142E-06	6.8908E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.7647E-04	1.2816E-04	1.2917E-06	8.0592E-04	5.6201E-04	1.3932E-04	3.3336E-06	7.0465E-04
KFK(1985LIB.)	9.6970E-04	1.8190E-04	1.6826E-06	1.1533E-03	8.9557E-04	2.1926E-04	5.0090E-06	1.1198E-03
MAPI-CRC	6.0720E-04	1.3240E-04	2.3640E-06	7.4190E-04	5.3690E-04	1.4650E-04	5.3570E-06	6.8870E-04
NAIG	5.5000E-04	2.4800E-04	1.6000E-06	8.0000E-04	4.8200E-04	3.0240E-04	3.4000E-06	7.8800E-04
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	8.5522E-04	3.1288E-04	2.2483E-06	1.1703E-03	7.7382E-04	4.3140E-04	5.2975E-06	1.2105E-03
PSI(DANDE)	6.5079E-04	1.4032E-04	1.5747E-05	7.9269E-04	5.6122E-04	1.5534E-04	3.9031E-06	7.2047E-04
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	5.1630E-04	2.4740E-04	1.5220E-06	7.6520E-04	4.7060E-04	3.1750E-04	3.5410E-06	7.9160E-04
TUBS(DATUBS5)	5.0440E-04	2.3920E-04	1.4060E-06	7.4500E-04	4.6170E-04	3.0960E-04	3.2770E-06	7.7450E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF MO95 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.8500E-05	1.4400E-03	2.0800E-05	1.5300E-03	4.2700E-05	1.2900E-03	4.1300E-05	1.3700E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	7.1420E-05	1.7190E-03	2.6120E-05	1.8170E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	7.1400E-05	1.4280E-03	2.0290E-05	1.5200E-03	4.4820E-05	1.2500E-03	4.0560E-05	1.3350E-03
HITACHI(J2)	7.1300E-05	1.4230E-03	2.0150E-05	1.5140E-03	4.4620E-05	1.2560E-03	4.1310E-05	1.3420E-03
IKE	6.5939E-05	1.4441E-03	1.7433E-05	1.5275E-03	4.1266E-05	1.2722E-03	3.6604E-05	1.3501E-03
JAERI(SRAC)	7.8630E-05	1.6048E-03	2.1215E-05	1.7046E-03	4.9358E-05	1.4201E-03	4.4310E-05	1.5138E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.7438E-05	1.4735E-03	1.9811E-05	1.5607E-03	4.2234E-05	1.3124E-03	4.2002E-05	1.3966E-03
KFK(1985LIB.)	6.7271E-05	1.4093E-03	1.7708E-05	1.4942E-03	4.2058E-05	1.2548E-03	3.9033E-05	1.3359E-03
MAPI-CRC	1.8500E-06	1.6480E-03	2.6110E-05	1.6760E-03	1.1630E-06	1.4400E-03	5.1100E-05	1.4920E-03
NAIG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PNC	1.9170E-06	1.7320E-03	2.7060E-05	1.7610E-03	1.1980E-06	1.5250E-03	5.4100E-05	1.5800E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	6.3703E-05	1.3889E-03	1.9419E-05	1.4721E-03	3.9774E-05	1.2123E-03	3.8777E-05	1.2909E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	6.4420E-05	1.1900E-03	1.7796E-05	1.2722E-03	4.0340E-05	1.1195E-03	3.9577E-05	1.1994E-03
TUBS(DATUBS5)	6.3956E-05	1.1401E-03	1.6434E-05	1.2205E-03	4.0107E-05	1.0844E-03	3.6609E-05	1.1611E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF TC99 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.0600E-04	3.2200E-03	8.9300E-05	3.5200E-03	1.2600E-04	3.5200E-03	1.4100E-04	3.7900E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.5130E-04	3.2460E-03	2.4830E-05	3.4220E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	2.0750E-04	2.9830E-03	9.9030E-05	3.2900E-03	1.2900E-04	3.0860E-03	1.5180E-04	3.3670E-03
HITACHI(J2)	2.0690E-04	3.0930E-03	9.7040E-05	3.3970E-03	1.2840E-04	3.1550E-03	1.5260E-04	3.4360E-03
IKE	1.9440E-03	3.1651E-03	8.7647E-05	3.4471E-03	1.2053E-04	3.2107E-03	1.3895E-04	3.4702E-03
JAERI(SRAC)	1.9872E-04	3.0370E-03	9.0412E-05	3.3261E-03	1.2360E-04	3.1321E-03	1.4426E-04	3.4000E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.8496E-04	3.4762E-03	8.1100E-05	3.7423E-03	1.1423E-04	3.6219E-03	1.3339E-04	3.8695E-03
KFK(1985LIB.)	1.9203E-04	3.1278E-03	7.2809E-05	3.3927E-03	1.1743E-04	3.3809E-03	1.2437E-04	3.6227E-03
MAPI-CRC	7.6040E-07	2.9040E-03	9.4460E-05	2.9990E-03	4.8000E-07	2.5770E-03	1.5060E-04	2.7290E-03
NAIG	2.0310E-04	3.3166E-03	9.4700E-05	3.6140E-03	1.2560E-04	3.3919E-03	1.4770E-04	3.6650E-03
PNC	7.8620E-07	3.1330E-03	9.6810E-05	3.2310E-03	4.9350E-07	2.8030E-03	1.5660E-04	2.9600E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	1.8361E-04	3.6482E-03	8.4210E-05	3.9161E-03	1.1338E-04	3.6419E-03	1.3214E-04	3.8874E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.4373E-04	3.2098E-03	1.0026E-04	3.4538E-03	8.9747E-05	3.4105E-03	1.6012E-04	3.6604E-03
TUBS(DATUBS5)	1.4292E-04	3.1278E-03	9.4086E-05	3.3648E-03	8.9346E-05	3.3472E-03	1.5131E-04	3.5879E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF RU101 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.5100E-04	1.8600E-03	7.4800E-06	2.1200E-03	1.5400E-04	1.6400E-03	1.4300E-05	1.8100E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	2.4030E-04	1.0100E-03	8.2670E-06	2.3100E-03	1.5070E-04	0.0	1.5820E-05	1.8920E-03
HITACHI(J2)	2.4040E-04	2.0770E-03	8.1920E-06	2.3250E-03	1.5060E-04	1.7260E-03	1.6070E-05	1.8930E-03
IKE	2.4425E-04	1.9174E-03	7.4959E-06	2.1692E-03	1.5032E-04	1.6674E-03	1.4437E-05	1.8321E-03
JAERI(SRAC)	2.4939E-04	2.2257E-03	8.4309E-06	2.4835E-03	1.5714E-04	1.8891E-03	1.6691E-05	2.0630E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.6653E-04	1.9948E-03	7.7791E-06	2.2691E-03	1.6472E-04	1.7626E-03	1.5835E-05	1.9431E-03
KFK(1985LIB.)	2.6579E-04	2.0559E-03	6.9069E-06	2.3286E-03	1.6423E-04	1.8448E-03	1.4601E-05	2.0236E-03
MAPI-CRC	1.2100E-11	5.8590E-03	9.0000E-06	1.2580E-03	7.3930E-12	0.0	1.6880E-05	1.1270E-03
NAIG	2.3700E-04	2.1421E-03	7.9000E-06	2.3870E-03	1.4790E-04	1.7980E-03	1.5200E-05	1.9610E-03
PNC	1.2260E-11	3.4310E-03	9.3310E-06	1.3150E-03	7.5340E-12	0.0	1.7860E-05	1.1870E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	2.6271E-04	2.0542E-03	7.8659E-06	2.3248E-03	1.6212E-04	1.7743E-03	1.5132E-05	1.9515E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.0616E-04	1.8757E-03	7.1185E-06	2.0890E-03	1.2471E-04	1.6538E-03	1.4597E-05	1.7931E-03
TUBS(DATUBS5)	2.0512E-04	1.7989E-03	6.5983E-06	2.0106E-03	1.2431E-04	1.6008E-03	1.3559E-05	1.7387E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF RH103 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.3500E-04	9.2300E-04	3.4900E-03	4.6500E-03	1.3900E-04	6.3400E-04	5.3600E-03	6.1300E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.1650E-04	9.5810E-04	3.0130E-03	4.1870E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	2.5030E-04	9.3520E-04	3.1790E-03	4.3650E-03	1.5050E-04	6.4710E-04	5.0160E-03	5.8140E-03
HITACHI(J2)	2.5000E-04	9.5370E-04	3.1780E-03	4.3820E-03	1.5000E-04	6.4730E-04	4.9400E-03	5.7370E-03
IKE	2.1365E-04	9.4213E-04	3.1831E-03	4.3388E-03	1.2698E-04	6.5242E-04	5.0005E-03	5.7799E-03
JAERI(SRAC)	2.4228E-04	9.0403E-04	3.0539E-03	4.2002E-03	1.4547E-04	6.2515E-04	4.8497E-03	5.6203E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.1096E-04	8.9697E-04	2.6619E-03	3.7699E-03	1.2544E-04	6.2129E-04	4.4362E-03	5.1829E-03
KFK(1985LIB.)	2.3504E-04	9.2946E-04	2.2917E-03	3.4562E-03	1.4011E-04	6.4716E-04	3.9355E-03	4.7228E-03
MAPI-CRC	2.2100E-12	2.9940E-04	2.9900E-03	3.2900E-03	1.2910E-12	2.1250E-04	4.5270E-03	4.7390E-03
NAIG	2.4390E-04	9.0510E-04	3.6285E-03	4.7780E-03	1.4500E-04	6.1990E-04	5.5067E-03	6.2720E-03
PNC	2.2700E-12	3.1620E-04	2.9410E-03	3.2570E-03	1.3310E-12	2.2570E-04	4.5940E-03	4.8200E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	2.1442E-04	9.1617E-04	3.1850E-03	4.3156E-03	1.2695E-04	6.2655E-04	5.0145E-03	5.7680E-03
STUDSVIK	0.0	0.0	0.0	2.9500E-03	0.0	0.0	0.0	4.4400E-03
TUBS(DATUBS4)	2.1803E-04	1.0056E-03	3.3801E-03	4.6037E-03	1.3019E-04	7.0276E-04	5.3435E-03	6.1765E-03
TUBS(DATUBS5)	2.1701E-04	1.0087E-03	3.2003E-03	4.4261E-03	1.2997E-04	7.0553E-04	5.1180E-03	5.9536E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PD105 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.8200E-04	1.5700E-03	2.6400E-05	1.8800E-03	1.7600E-04	1.3500E-03	5.2500E-05	1.5800E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	2.7730E-04	1.7920E-03	3.5330E-05	2.1050E-03	1.7400E-04	1.4730E-03	7.2630E-05	1.7200E-03
HITACHI(J2)	2.7680E-04	1.7810E-03	3.5020E-05	2.0930E-03	1.7360E-04	1.4790E-03	7.3880E-05	1.7260E-03
IKE	2.7595E-04	1.7501E-03	2.9185E-05	2.0553E-03	1.7217E-04	1.4536E-03	6.6294E-05	1.6921E-03
JAERI(SRAC)	2.7470E-04	1.7269E-03	3.2999E-05	2.0346E-03	1.7232E-04	1.4513E-03	7.0842E-05	1.6945E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.4851E-04	1.5176E-03	2.4766E-05	1.7909E-03	1.5471E-04	1.2728E-03	5.9651E-05	1.4871E-03
KFK(1985LIB.)	2.5163E-04	1.3777E-03	2.0528E-05	1.6499E-03	1.5660E-04	1.1938E-03	4.5047E-05	1.3954E-03
MAPI-CRC	1.5810E-06	1.0130E-03	1.8030E-05	1.0330E-03	1.0180E-06	9.2780E-04	3.5810E-05	9.6470E-04
NAIG	2.7540E-04	1.7619E-03	3.3600E-05	2.0710E-03	1.7130E-04	1.4619E-03	7.0000E-05	1.7030E-03
PNC	1.6580E-06	1.0690E-03	1.8910E-05	1.0890E-03	1.0590E-06	9.8550E-04	3.8310E-05	1.0250E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	2.7491E-04	1.7242E-03	2.8250E-05	2.0274E-03	1.7055E-04	1.4176E-03	6.3815E-05	1.6520E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.7465E-04	1.5219E-03	2.3593E-05	1.8201E-03	1.7385E-04	1.3293E-03	5.1988E-05	1.5551E-03
TUBS(DATUBS5)	2.7216E-04	1.4715E-03	2.1769E-05	1.7654E-03	1.7275E-04	1.2932E-03	4.8107E-05	1.5140E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PD107 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.7400E-04	1.0300E-03	1.2300E-05	1.2100E-03	1.1000E-04	8.3900E-04	2.5000E-05	9.7300E-04
CEA	2.6883E+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	5.9040E-03	1.3520E-03	3.6750E-06	1.5450E-03	0.0	1.1230E-03	6.3290E-06	1.2510E-03
HITACHI(J2)	1.8860E-04	1.3580E-03	3.5800E-06	1.5500E-03	1.2100E-04	1.1220E-03	6.3410E-06	1.2490E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.7881E-04	1.2651E-03	3.3354E-06	1.4473E-03	1.1460E-04	1.0558E-03	5.9439E-06	1.1764E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.5110E-04	1.1247E-03	2.9405E-06	1.2788E-03	9.5514E-05	9.4048E-04	5.2434E-06	1.0412E-03
KFK(1985LIB.)	1.3292E-04	7.9459E-04	8.1952E-06	9.3570E-04	8.4417E-05	6.6191E-04	1.8540E-05	7.6486E-04
MAPI-CRC	3.3950E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NAIG	1.9030E-04	1.3836E-03	3.6000E-06	1.5780E-03	1.2070E-04	1.1405E-03	6.3000E-06	1.2670E-03
PNC	2.0590E-02	1.4640E-03	2.1470E-06	1.4660E-03	0.0	1.1220E-03	4.5540E-06	1.1270E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	1.7714E-04	1.1461E-03	3.0463E-06	1.3263E-03	1.1047E-04	9.2505E-04	5.0961E-06	1.0406E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.2088E-04	8.2447E-04	1.0302E-05	9.5565E-04	7.5400E-05	7.0062E-04	2.2559E-05	7.9858E-04
TUBS(DATUBS5)	1.1932E-04	7.9338E-04	9.4667E-06	9.2216E-04	7.4748E-05	6.8055E-04	2.0821E-05	7.7612E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PD108 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.7100E-05	1.7700E-03	1.9800E-05	1.8200E-03	2.3800E-05	1.5700E-03	3.2200E-05	1.6300E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	3.2570E-05	1.4130E-03	4.0710E-05	1.4870E-03	2.1110E-05	1.2580E-03	5.4340E-05	1.3340E-03
HITACHI(J2)	3.2290E-05	1.4010E-03	4.2080E-05	1.4760E-03	2.0890E-05	1.2090E-03	5.5680E-05	1.2860E-03
IKE	2.2902E-05	1.3219E-03	1.4064E-05	1.3589E-03	1.5010E-05	1.2050E-03	2.2699E-05	1.2426E-03
JAERI(SRAC)	2.9343E-05	1.7291E-03	3.4408E-05	1.7928E-03	1.9262E-05	1.5687E-03	4.9787E-05	1.6377E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.1507E-05	1.1457E-03	1.6059E-05	1.1833E-03	1.3744E-05	1.0315E-03	2.5204E-05	1.0705E-03
KFK(1985LIB.)	3.0227E-05	1.2522E-03	1.1365E-05	1.2938E-03	1.9554E-05	1.1272E-03	2.2280E-05	1.1691E-03
MAPI-CRC	4.0170E-07	1.3230E-03	1.7550E-05	1.3410E-03	2.6000E-07	1.2470E-03	2.8800E-05	1.2760E-03
NAIG	3.2200E-05	1.9925E-03	3.8300E-05	2.0630E-03	2.0700E-05	1.7559E-03	5.2900E-05	1.8300E-03
PNC	4.5110E-07	1.8480E-03	1.9130E-05	1.8670E-03	2.8460E-07	1.6230E-03	3.1820E-05	1.6550E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	2.2369E-05	1.2588E-03	1.6708E-05	1.2979E-03	1.4187E-05	1.1059E-03	2.5193E-05	1.1453E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.2635E-05	1.4690E-03	1.2980E-05	1.5047E-03	1.4254E-05	1.3074E-03	2.4149E-05	1.3458E-03
TUBS(DATUBS5)	2.2286E-05	1.3825E-03	1.2029E-05	1.4168E-03	1.4089E-05	1.2527E-03	2.2479E-05	1.2893E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF AG109 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.8000E-05	3.2100E-03	1.3500E-04	3.4100E-03	4.0200E-05	3.5700E-03	1.9600E-04	3.8000E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.7240E-05	2.5800E-03	1.2610E-04	2.7530E-03	2.8920E-05	2.8900E-03	1.8210E-04	0.0
HITACHI(J2)	4.6830E-05	2.6650E-03	1.2240E-04	2.8340E-03	2.8710E-05	2.9510E-03	1.8150E-04	3.1610E-03
IKE	5.5955E-05	2.6738E-03	1.0871E-04	2.8384E-03	3.3976E-05	2.9439E-03	1.6110E-04	3.1389E-03
JAERI(SRAC)	4.2336E-05	2.4833E-03	1.0762E-04	2.6333E-03	2.5950E-05	2.7717E-03	1.6162E-04	2.9593E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.5630E-05	2.4108E-03	1.0533E-04	2.5718E-03	3.3615E-05	2.6924E-03	1.6185E-04	2.8879E-03
KFK(1985LIB.)	5.3664E-05	2.5779E-03	9.4497E-05	2.7261E-03	3.2013E-05	2.8739E-03	1.4917E-04	3.0551E-03
MAPI-CRC	8.1270E-13	2.7680E-03	1.1350E-04	2.8820E-03	4.8770E-13	2.9490E-03	1.6510E-04	0.0
NAIG	4.8500E-05	3.1360E-03	1.2670E-04	3.3110E-03	2.9100E-05	3.3850E-03	1.8330E-04	3.5970E-03
PNC	8.5310E-13	2.9900E-03	1.2150E-04	3.1120E-03	5.0910E-13	3.1620E-03	1.7640E-04	0.0
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	6.6198E-05	3.3082E-03	1.3045E-04	3.5049E-03	4.0377E-05	3.5402E-03	1.9329E-04	3.7738E-03
STUDSVIK	0.0	0.0	0.0	2.6700E-03	0.0	0.0	0.0	2.9000E-03
TUBS(DATUBS4)	3.7897E-05	2.8665E-03	1.8013E-04	3.0845E-03	2.1377E-05	2.9558E-03	2.4355E-04	3.2207E-03
TUBS(DATUBS5)	3.7328E-05	2.7620E-03	1.6781E-04	2.9672E-03	2.1152E-05	2.8853E-03	2.2970E-04	3.1361E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF XE131 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.2400E-05	5.5900E-03	1.0700E-04	5.7300E-03	1.8700E-05	5.8900E-03	1.9600E-04	6.1100E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.6220E-05	3.6620E-03	1.1530E-04	3.8130E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	4.9540E-05	4.0380E-03	1.1610E-04	4.2040E-03	3.0520E-05	4.2330E-03	2.1310E-04	4.4760E-03
HITACHI(J2)	4.9590E-05	3.9510E-03	1.1520E-04	4.1160E-03	3.0520E-05	4.1240E-03	2.1690E-04	4.3710E-03
IKE	3.4024E-05	5.1253E-03	9.8415E-05	5.2578E-03	2.0755E-05	5.3099E-03	1.8612E-04	5.5168E-03
JAERI(SRAC)	4.4700E-05	4.3946E-03	1.0607E-04	4.5453E-03	2.7728E-05	4.5440E-03	2.0036E-04	4.7720E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.9478E-05	4.2270E-03	1.0844E-04	4.3749E-03	2.4053E-05	4.5342E-03	2.1546E-04	4.7736E-03
KFK(1985LIB.)	3.6037E-05	5.9030E-03	9.6109E-05	6.0351E-03	2.1716E-05	6.4174E-03	1.9462E-04	6.6337E-03
MAPI-CRC	2.7670E-06	4.4830E-03	1.1620E-04	4.6020E-03	1.7440E-06	4.4440E-03	2.1660E-04	4.6620E-03
NAIG	4.4200E-05	5.2385E-03	1.0010E-04	5.3830E-03	2.7100E-05	5.3799E-03	1.8670E-04	5.5940E-03
PNC	2.7280E-06	5.6500E-03	1.1430E-04	5.7670E-03	1.7190E-06	5.5160E-03	2.1840E-04	5.7360E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	3.2648E-05	5.2301E-03	1.0677E-04	5.3696E-03	1.9250E-05	5.5080E-03	1.9879E-04	5.7260E-03
STUDSVIK	0.0	0.0	0.0	5.2000E-03	0.0	0.0	0.0	5.4000E-03
TUBS(DATUBS4)	3.9675E-05	4.2466E-03	1.0532E-04	4.3916E-03	2.3690E-05	4.6425E-03	2.0877E-04	4.8750E-03
TUBS(DATUBS5)	3.9844E-05	3.9777E-03	9.8694E-05	4.1163E-03	2.3784E-05	4.4170E-03	1.9566E-04	4.6364E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF XE135 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.0300E-09	2.7300E-07	1.0700E-03	1.0700E-03	5.7700E-10	2.7900E-07	3.6300E-03	3.6300E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	9.3900E-10	2.6460E-07	1.4520E-03	1.4520E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.4060E-08	3.2280E-07	1.2910E-03	1.2910E-03	7.8670E-09	2.9570E-07	4.0350E-03	4.0350E-03
HITACHI(J2)	1.4010E-08	3.2230E-07	1.2700E-03	1.2700E-03	7.7980E-09	2.9540E-07	4.1410E-03	4.1420E-03
IKE	9.8046E-10	2.6598E-07	1.1958E-03	1.1960E-03	5.4996E-10	2.6619E-07	3.8837E-03	3.8840E-03
JAERI(SRAC)	1.3567E-08	3.0556E-07	1.1285E-03	1.1288E-03	7.5973E-09	2.8462E-07	3.8803E-03	3.8806E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	9.6790E-10	2.2348E-07	1.1110E-03	1.1112E-03	5.4033E-09	2.3207E-07	3.8920E-03	3.8922E-03
KFK(1985LIB.)	9.6755E-10	2.3316E-07	1.0403E-03	1.0405E-03	5.4060E-10	2.4388E-07	3.7176E-03	3.7179E-03
MAPI-CRC	8.3610E-14	2.4180E-07	1.0990E-03	1.1000E-03	9.6100E-14	2.3640E-07	3.6880E-03	3.6880E-03
NAIG	0.0	3.0000E-07	1.0865E-03	1.0870E-03	0.0	3.0000E-07	3.7096E-03	3.7100E-03
PNC	6.0940E-15	2.1830E-07	1.0280E-03	1.0280E-03	6.1790E-14	2.1600E-07	3.5430E-03	3.5440E-03
PSI(BOXER)	9.5857E-10	2.4589E-07	1.0845E-03	1.0847E-03	5.4325E-10	2.5030E-07	3.6933E-03	3.6936E-03
PSI(DANDE)	9.8820E-10	2.6587E-07	1.1027E-03	1.1030E-03	5.5541E-10	2.6060E-07	3.6564E-03	3.6567E-03
STUDSVIK	0.0	0.0	0.0	1.2100E-03	0.0	0.0	0.0	3.9800E-03
TUBS(DATUBS4)	9.0905E-10	3.0666E-07	9.7528E-04	9.7559E-04	5.1730E-10	3.2537E-07	3.3911E-03	3.3914E-03
TUBS(DATUBS5)	9.0572E-10	2.9391E-07	8.8220E-04	8.8250E-04	5.1986E-10	3.1844E-07	3.1266E-03	3.1269E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF CS133 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.5600E-04	4.4000E-03	1.0600E-04	4.6600E-03	9.6100E-05	4.5700E-03	1.8100E-04	4.8400E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.6090E-04	4.0490E-03	4.6430E-05	4.2560E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.4200E-04	4.1690E-03	1.8070E-01	4.4260E-03	8.7870E-05	4.2320E-03	0.0	4.5110E-03
HITACHI(J2)	1.4160E-04	4.2590E-03	1.1320E-04	4.5140E-03	8.7540E-05	4.2590E-03	1.9250E-04	4.5390E-03
IKE	1.4588E-04	4.7146E-03	1.0699E-04	4.9674E-03	8.9970E-05	4.8851E-03	1.8177E-04	5.1569E-03
JAERI(SRAC)	1.3565E-04	4.5019E-03	1.0399E-04	4.7415E-03	8.3979E-05	4.6337E-03	1.7968E-04	4.8973E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.4444E-04	4.4978E-03	9.2607E-05	4.7348E-03	8.9131E-05	4.6763E-03	1.6893E-04	4.9343E-03
KFK(1985LIB.)	1.4859E-04	4.2947E-03	8.7233E-05	4.5305E-03	9.1996E-05	4.4642E-03	1.6429E-04	4.7205E-03
MAPI-CRC	3.5180E-06	5.0080E-03	1.4370E+00	5.1160E-03	2.2330E-06	4.6580E-03	0.0	4.8390E-03
NAIG	1.3990E-04	4.4454E-03	9.8200E-05	4.6830E-03	8.6100E-05	4.4527E-03	1.7050E-04	4.7090E-03
PNC	3.6020E-06	5.8100E-03	1.2810E+00	5.9200E-03	2.2750E-06	5.4600E-03	0.0	5.6470E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	1.4522E-04	4.6178E-03	9.6786E-05	4.8598E-03	8.9513E-05	4.6131E-03	1.6754E-04	4.8702E-03
STUDSVIK	0.0	0.0	0.0	4.8500E-03	0.0	0.0	0.0	4.8300E-03
TUBS(DATUBS4)	1.7006E-04	4.1795E-03	1.0550E-04	4.4550E-03	1.0636E-04	4.2211E-03	1.8934E-04	4.5168E-03
TUBS(DATUBS5)	1.6890E-04	4.0687E-03	9.8566E-05	4.3362E-03	1.0576E-04	4.1430E-03	1.7750E-04	4.4262E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF CS135 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.0100E-05	1.3900E-03	2.2100E-05	1.4300E-03	1.1200E-05	1.1300E-03	4.0000E-05	1.1800E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	4.8370E-05	9.5600E-04	2.2320E-05	1.0270E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	6.4690E-05	1.3210E-03	2.2120E-05	1.4080E-03	3.6420E-05	9.9470E-04	3.9530E-05	1.0710E-03
HITACHI(J2)	6.4510E-05	1.3440E-03	2.1950E-05	1.4300E-03	3.6190E-05	1.0020E-03	4.0210E-05	1.0780E-03
IKE	6.8025E-05	1.7570E-03	2.0072E-05	1.8451E-03	3.8224E-05	1.3004E-03	3.7755E-05	1.3764E-03
JAERI(SRAC)	6.3668E-05	1.5191E-03	2.0493E-05	1.6033E-03	3.5975E-05	1.1564E-03	3.8527E-05	1.2309E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.8024E-05	1.6565E-03	1.8898E-05	1.7435E-03	3.8005E-05	1.2404E-03	3.7396E-05	1.3158E-03
KFK(1985LIB.)	1.8736E-05	1.3144E-03	1.8042E-05	1.3512E-03	1.0361E-05	1.0684E-03	3.5779E-05	1.1145E-03
MAPI-CRC	2.5750E-06	2.1100E-03	2.1450E-05	2.1340E-03	1.4730E-06	1.4080E-03	3.8540E-05	1.4480E-03
NAIG	6.4700E-05	1.5641E-03	2.1200E-05	1.6500E-03	3.6300E-05	1.1847E-03	3.8700E-05	1.2600E-03
PNC	2.6630E-06	2.2650E-03	2.2110E-05	2.2900E-03	1.5250E-06	1.5200E-03	4.0800E-05	1.5620E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	6.9455E-05	1.6109E-03	1.9914E-05	1.7003E-03	3.9066E-05	1.2089E-03	3.7383E-05	1.2853E-03
STUDSVIK	0.0	0.0	0.0	2.3100E-03	0.0	0.0	0.0	1.5700E-03
TUBS(DATUBS4)	1.8583E-05	1.3913E-03	1.9276E-05	1.4292E-03	1.0439E-05	1.1415E-03	3.8220E-05	1.1902E-03
TUBS(DATUBS5)	1.8532E-05	1.3305E-03	1.7868E-05	1.3669E-03	1.0484E-05	1.1114E-03	3.5693E-05	1.1576E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF ND143 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.3800E-05	1.2800E-03	3.6200E-04	1.7100E-03	3.8500E-05	1.0000E-03	7.9900E-04	1.8400E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	4.7170E-05	1.1770E-03	4.4870E-04	1.6730E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	8.9680E-05	1.5690E-03	5.1540E-04	2.1740E-03	5.7320E-05	1.2350E-03	1.1330E-03	2.4250E-03
HITACHI(J2)	8.8670E-05	1.5830E-03	5.1020E-04	2.1820E-03	5.6550E-05	1.2380E-03	1.1540E-03	2.4480E-03
IKE	6.7116E-05	1.2415E-03	3.6767E-04	1.6763E-03	4.2808E-05	7.9011E-04	8.1999E-04	1.8329E-03
JAERI(SRAC)	6.4539E-05	1.2155E-03	3.4811E-04	1.6282E-03	4.0966E-05	9.5208E-04	8.0289E-04	1.7959E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.6898E-05	1.2127E-03	3.2843E-04	1.6081E-03	4.2509E-05	9.4621E-04	7.8200E-04	1.7707E-03
KFK(1985LIB.)	6.7242E-05	1.1871E-03	3.0812E-04	1.5624E-03	4.2287E-05	9.3156E-04	7.5334E-04	1.7272E-03
MAPI-CRC	5.9940E-12	6.0470E-04	3.9590E-04	1.0010E-03	3.5910E-12	5.0520E-04	8.6390E-04	1.3690E-03
NAIG	6.7700E-05	1.2377E-03	3.6680E-04	1.6720E-03	4.2600E-05	9.6210E-04	8.1650E-04	1.8210E-03
PNC	6.0500E-12	6.3280E-04	4.1290E-04	1.0460E-03	3.6510E-12	5.3180E-04	9.2150E-04	1.4530E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	6.0438E-05	1.1752E-03	3.3211E-04	1.5677E-03	3.7304E-05	9.0863E-04	7.4112E-04	1.6871E-03
STUDSVIK	0.0	0.0	0.0	9.8000E-04	0.0	0.0	0.0	1.3500E-03
TUBS(DATUBS4)	6.8252E-05	1.2878E-03	3.4709E-04	1.7031E-03	4.2989E-05	1.0076E-03	8.3634E-04	1.8869E-03
TUBS(DATUBS5)	6.7372E-05	1.2742E-03	3.1834E-04	1.6600E-03	4.2599E-05	1.0007E-03	7.7031E-04	1.8136E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF ND148 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.7600E-05	1.8200E-04	1.6300E-06	2.0200E-04	1.1100E-05	1.3500E-04	3.2400E-06	1.4900E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.5470E-05	1.2150E-04	1.7330E-06	1.3870E-04	9.7260E-06	8.7230E-05	3.3710E-06	1.0030E-04
HITACHI(J2)	1.5390E-05	1.2360E-04	1.7190E-06	1.4070E-04	9.6650E-06	8.7760E-05	3.4310E-06	1.0090E-04
IKE	1.4546E-05	1.8993E-04	1.5184E-06	2.0599E-04	9.2168E-06	1.3982E-04	3.0389E-06	1.5208E-04
JAERI(SRAC)	1.5195E-05	1.3465E-04	1.6050E-06	1.5145E-04	9.5742E-06	9.9073E-05	3.2794E-06	1.1193E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.4342E-05	1.8717E-04	1.5359E-06	2.0305E-04	9.0598E-06	1.3631E-04	3.2445E-06	1.4861E-04
KFK(1985LIB.)	1.8193E-05	1.7188E-04	1.3789E-06	1.9145E-04	1.1723E-05	1.2588E-04	3.0224E-06	1.4063E-04
MAPI-CRC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NAIG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PNC	0.0	1.3530E-04	1.7020E-06	1.3700E-04	0.0	9.9310E-05	3.4560E-06	1.0280E-04
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	1.3464E-05	1.8830E-04	1.5778E-06	2.0334E-04	8.2816E-06	1.3644E-04	3.1380E-06	1.4786E-04
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.6658E-05	1.8643E-04	1.4517E-06	2.1454E-04	1.7935E-05	1.4042E-04	3.1735E-06	1.6153E-04
TUBS(DATUBS5)	2.6184E-05	1.8743E-04	1.3400E-06	2.1495E-04	1.7683E-05	1.4113E-04	2.9370E-06	1.6175E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PM147 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.7500E-05	3.6100E-03	9.5100E-05	3.7700E-03	3.3900E-05	3.8600E-03	1.5700E-04	4.0500E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	6.3380E-05	3.9410E-03	1.0200E-04	4.1060E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	5.8990E-05	3.2550E-03	1.0810E-04	3.4220E-03	3.6120E-05	3.4460E-03	1.7720E-04	3.6590E-03
HITACHI(J2)	5.8470E-05	3.3870E-03	1.0580E-04	3.5510E-03	3.5780E-05	3.5340E-03	1.7870E-04	3.7480E-03
IKE	6.0501E-05	3.5759E-03	9.4691E-05	3.7311E-03	3.6646E-05	3.7612E-03	1.6009E-04	3.9580E-03
JAERI(SRAC)	5.3706E-05	3.3006E-03	9.6698E-05	3.4510E-03	3.2885E-05	3.4784E-03	1.6396E-04	3.6753E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.0601E-05	3.3725E-03	9.3372E-05	3.5264E-03	3.6391E-05	3.5633E-03	1.6358E-04	3.7633E-03
KFK(1985LIB.)	5.4804E-05	3.5201E-03	8.0569E-05	3.6555E-03	3.2560E-05	3.7342E-03	1.4447E-04	3.9112E-03
MAPI-CRC	2.0240E-06	1.9720E-03	7.3380E-05	2.0470E-03	1.2120E-06	2.0470E-03	1.1410E-04	2.1630E-03
NAIG	5.4700E-05	3.7618E-03	9.6700E-05	3.9130E-03	3.3200E-05	3.9139E-03	1.6100E-04	4.1080E-03
PNC	2.1060E-06	2.3100E-03	7.5690E-05	2.3880E-03	1.2480E-06	2.4020E-03	1.1880E-04	2.5220E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	5.6065E-05	3.7051E-03	8.9198E-05	3.8504E-03	3.4131E-05	3.8065E-03	1.5025E-04	3.9909E-03
STUDSVIK	0.0	0.0	0.0	4.0200E-03	0.0	0.0	0.0	4.1200E-03
TUBS(DATUBS4)	5.7173E-05	3.5493E-03	1.3165E-04	3.7382E-03	3.4979E-05	3.7529E-03	2.1687E-04	4.0047E-03
TUBS(DATUBS5)	5.6921E-05	3.4641E-03	1.2354E-04	3.6445E-03	3.4803E-05	3.6892E-03	2.0417E-04	3.9282E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF SM147 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.1800E-05	5.8500E-04	1.3000E-04	7.3800E-04	1.3400E-05	5.1400E-04	1.5400E-04	6.8100E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	2.0430E-05	6.3990E-04	1.4350E-04	8.0380E-04	1.2780E-05	5.5530E-04	1.6180E-04	7.2990E-04
HITACHI(J2)	2.0320E-05	6.4240E-04	1.3270E-04	7.9540E-04	1.2680E-05	5.6220E-04	1.5680E-04	7.3160E-04
IKE	1.9781E-05	5.8542E-04	1.2552E-04	7.3072E-04	1.2398E-05	5.1607E-04	1.4465E-04	6.7313E-04
JAERI(SRAC)	1.8817E-05	5.9476E-04	1.3692E-04	7.5050E-04	1.1757E-05	5.1924E-04	1.6176E-04	6.9276E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.9702E-05	6.2443E-04	1.1266E-04	7.5678E-04	1.2252E-05	5.4851E-04	1.3822E-04	6.9898E-04
KFK(1985LIB.)	1.0306E-06	7.3271E-04	8.1110E-05	8.1485E-04	6.5212E-07	5.8539E-04	1.0610E-04	6.9213E-04
MAPI-CRC	1.0200E-06	7.3750E-04	9.1120E-05	8.2970E-04	6.5230E-07	5.7490E-04	1.1370E-04	6.8920E-04
NAIG	1.9300E-05	6.1740E-04	1.3980E-04	7.7600E-04	1.2000E-05	5.3360E-04	1.6270E-04	7.0800E-04
PNC	1.1120E-06	8.0660E-04	9.9620E-05	9.0730E-04	7.0490E-07	6.3110E-04	1.2240E-04	7.5420E-04
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	1.9653E-05	5.9723E-04	1.1384E-04	7.3072E-04	1.2344E-05	5.1963E-04	1.3673E-04	6.6871E-04
STUDSVIK	0.0	0.0	0.0	6.6000E-04	0.0	0.0	0.0	5.9000E-04
TUBS(DATUBS4)	1.4193E-05	6.0343E-04	9.6888E-05	7.1451E-04	8.8825E-06	5.5614E-04	1.2593E-04	6.9095E-04
TUBS(DATUBS5)	1.4156E-05	5.8141E-04	9.2179E-05	6.8774E-04	8.8488E-06	5.3982E-04	1.2116E-04	6.6983E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF SM149 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.2600E-05	1.2400E-03	3.6300E-03	4.9100E-03	1.0100E-05	4.4200E-04	5.0600E-03	5.5100E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.6120E-05	9.6580E-04	4.0610E-03	5.0530E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	4.3420E-05	1.3360E-03	4.1240E-03	5.5030E-03	1.0580E-05	4.7640E-04	5.4660E-03	5.9520E-03
HITACHI(J2)	4.3450E-05	1.3410E-03	4.0220E-03	5.4060E-03	1.0360E-05	4.6940E-04	5.5460E-03	6.0260E-03
IKE	3.8892E-05	1.2986E-03	3.8148E-03	4.5635E-03	9.5138E-06	4.5685E-04	5.2252E-03	4.7761E-03
JAERI(SRAC)	4.1917E-05	1.3294E-03	3.6355E-03	5.0068E-03	1.1055E-05	4.7242E-04	5.1818E-03	5.6644E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.5642E-05	1.2556E-03	3.6264E-03	4.9176E-03	8.3837E-06	4.3606E-04	5.1099E-03	5.5544E-03
KFK(1985LIB.)	4.2619E-05	1.1582E-03	3.5955E-03	4.7964E-03	9.7053E-06	4.0084E-04	5.0573E-03	5.4679E-03
MAPI-CRC	7.7170E-14	6.2170E-04	5.4970E-03	6.1190E-03	1.0390E-14	2.2900E-04	6.6440E-03	6.8730E-03
NAIG	4.3600E-05	1.4124E-03	3.5492E-03	5.0050E-03	1.0600E-05	5.0110E-04	5.0353E-03	5.5470E-03
PNC	4.4480E-14	6.4920E-04	5.8000E-03	6.4490E-03	5.0140E-15	2.3050E-04	6.9190E-03	7.1490E-03
PSI(BOXER)	2.4901E-05	9.4047E-04	3.3170E-03	4.2824E-03	5.4969E-06	3.2139E-04	4.3108E-03	4.6377E-03
PSI(DANDE)	3.8867E-05	1.2879E-03	3.6104E-03	4.9371E-03	9.5309E-06	4.5449E-04	5.0359E-03	5.5000E-03
STUDSVIK	0.0	0.0	0.0	5.9500E-03	0.0	0.0	0.0	6.5000E-03
TUBS(DATUBS4)	3.8404E-05	1.2182E-03	3.9500E-03	5.2066E-03	9.7912E-06	4.6964E-04	5.8272E-03	6.3066E-03
TUBS(DATUBS5)	3.9895E-05	1.2278E-03	3.7439E-03	5.0117E-03	1.0321E-05	4.8427E-04	5.6473E-03	6.1419E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF SM150 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.6300E-05	7.3600E-04	2.2400E-05	7.8400E-04	2.1300E-05	8.8400E-04	6.5800E-05	9.7100E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	8.2310E-06	7.2730E-04	3.5800E-05	7.7130E-04	0.0	0.0	0.0	0.0
HITACHI(B4)	3.6500E-05	5.9300E-04	2.9720E-05	6.5920E-04	2.8490E-05	6.4270E-04	8.0890E-05	7.5200E-04
HITACHI(J2)	3.6220E-05	5.9200E-04	2.9550E-05	6.5780E-04	2.8280E-05	6.5460E-04	8.2850E-05	7.6570E-04
IKE	2.6109E-05	7.6955E-04	2.3587E-05	8.1925E-04	2.0783E-05	8.9278E-04	6.8375E-05	9.8194E-04
JAERI(SRAC)	3.2966E-05	7.4837E-04	2.5074E-05	8.0641E-04	2.6548E-05	8.7068E-04	7.4271E-05	9.7150E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.6291E-05	7.9534E-04	2.1999E-05	8.4363E-04	2.1247E-05	9.4478E-04	6.9269E-05	1.0353E-03
KFK(1985LIB.)	2.5978E-05	7.8172E-04	1.9534E-05	8.2723E-04	2.1414E-05	9.2949E-04	6.4717E-05	1.0156E-03
MAPI-CRC	4.6810E-06	7.7670E-04	4.1560E-05	8.2300E-04	3.8670E-06	9.5660E-04	1.0750E-04	1.0680E-03
NAIG	3.2600E-05	7.6970E-04	2.4700E-05	8.2700E-04	2.6400E-05	8.9600E-04	7.1700E-05	9.9400E-04
PNC	5.0770E-06	8.5740E-04	4.5410E-05	9.0790E-04	4.1250E-06	1.0520E-03	1.1810E-04	1.1740E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	2.4867E-05	8.4622E-04	2.1760E-05	8.9284E-04	1.9865E-05	9.5396E-04	6.3339E-05	1.0372E-03
STUDSVIK	0.0	0.0	0.0	1.0100E-03	0.0	0.0	0.0	1.1000E-03
TUBS(DATUBS4)	2.5932E-05	2.5864E-04	2.1989E-05	3.0656E-04	2.2932E-05	2.8628E-04	7.6442E-05	3.8565E-04
TUBS(DATUBS5)	2.4789E-05	2.4600E-04	1.9536E-05	2.9033E-04	2.2318E-05	2.7838E-04	6.9143E-05	3.6984E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF SM151 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.1300E-05	1.5900E-03	9.4300E-04	2.5800E-03	2.7800E-05	1.3200E-03	1.6900E-03	3.0400E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	5.4360E-05	1.4020E-03	7.8660E-04	2.2420E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	3.4540E-05	1.5500E-03	9.9120E-04	2.5760E-03	1.7610E-05	1.1900E-03	1.8490E-03	3.0560E-03
HITACHI(J2)	3.4510E-05	1.5610E-03	9.8670E-04	2.5820E-03	1.7570E-05	1.1930E-03	1.8950E-03	3.1050E-03
IKE	5.1774E-05	1.6988E-03	9.6477E-04	2.7153E-03	2.6830E-05	1.3234E-03	1.8524E-03	3.2027E-03
JAERI(SRAC)	3.5811E-05	1.5863E-03	9.3945E-04	2.5615E-03	1.8523E-05	1.2560E-03	1.8507E-03	3.1252E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.3061E-05	1.7219E-03	9.0389E-04	2.6788E-03	2.6929E-05	1.3343E-03	1.8779E-03	3.2391E-03
KFK(1985LIB.)	5.4716E-05	1.6394E-03	8.3788E-04	2.5320E-03	2.8999E-05	1.3339E-03	1.7085E-03	3.0714E-03
MAPI-CRC	5.4020E-14	8.1550E-04	9.4860E-04	1.7640E-03	2.2050E-14	7.5660E-04	1.7860E-03	2.5420E-03
NAIG	3.5500E-05	1.6344E-03	9.9210E-04	2.6620E-03	1.8300E-05	1.2832E-03	1.8688E-03	3.1700E-03
PNC	3.2010E-14	8.4990E-04	9.9100E-04	1.8410E-03	1.0410E-14	7.8810E-04	1.8930E-03	2.6810E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	5.1367E-05	1.7609E-03	9.3277E-04	2.7450E-03	2.6818E-05	1.3639E-03	1.8055E-03	3.1962E-03
STUDSVIK	0.0	0.0	0.0	2.5700E-03	0.0	0.0	0.0	3.1400E-03
TUBS(DATUBS4)	4.5355E-05	1.6362E-03	7.2699E-04	2.4085E-03	2.3572E-05	1.2848E-03	1.5462E-03	2.8546E-03
TUBS(DATUBS5)	4.5499E-05	1.5999E-03	6.8306E-04	2.3284E-03	2.3854E-05	1.2758E-03	1.4671E-03	2.7668E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF SM152 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.0400E-05	2.5300E-03	8.0200E-05	2.6400E-03	1.2800E-05	3.0300E-03	1.4100E-04	3.1900E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	5.1360E-06	1.8640E-03	6.8280E-05	1.9380E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.7640E-05	2.3660E-03	8.0790E-05	2.4630E-03	1.1390E-05	2.7720E-03	1.4640E-04	2.9300E-03
HITACHI(J2)	1.6800E-05	2.3310E-03	7.9140E-05	2.4270E-03	1.1380E-05	2.7440E-03	1.4920E-04	2.9050E-03
IKE	1.6749E-05	2.6649E-03	7.8995E-05	2.7606E-03	1.0958E-05	3.1126E-03	1.4376E-04	3.2674E-03
JAERI(SRAC)	1.6993E-05	2.3128E-03	7.6469E-05	2.4062E-03	1.1510E-05	2.7456E-03	1.4652E-04	2.9036E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.8748E-05	2.3422E-03	8.4430E-05	2.4454E-03	1.2215E-05	2.8690E-03	1.6055E-04	3.0418E-03
KFK(1985LIB.)	1.9755E-05	2.5498E-03	6.7631E-05	2.6372E-03	1.2664E-05	3.1085E-03	1.3194E-04	3.2531E-03
MAPI-CRC	5.9870E-13	2.0640E-03	7.0350E-05	2.1340E-03	4.0550E-13	2.5430E-03	1.3270E-04	2.6750E-03
NAIG	1.6300E-05	2.7235E-03	7.4800E-05	2.8150E-03	1.0900E-05	3.1322E-03	1.3900E-04	3.2820E-03
PNC	5.4330E-13	2.4610E-03	6.5120E-05	2.5260E-03	3.7060E-13	3.0480E-03	1.2510E-04	3.1730E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	1.8334E-05	2.8790E-03	7.3255E-05	2.9706E-03	1.1861E-05	3.3179E-03	1.3179E-04	3.4609E-03
STUDSVIK	0.0	0.0	0.0	3.3500E-03	0.0	0.0	0.0	3.8300E-03
TUBS(DATUBS4)	1.7596E-05	2.3059E-03	7.5136E-05	2.3986E-03	1.1081E-05	2.8540E-03	1.4204E-04	3.0071E-03
TUBS(DATUBS5)	1.7217E-05	2.2458E-03	6.9252E-05	2.3323E-03	1.0846E-05	2.7974E-03	1.3105E-04	2.9393E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF EU153 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	7.0700E-05	1.2300E-03	6.3300E-04	1.9400E-03	4.7800E-05	1.2200E-03	8.9700E-04	2.1600E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	5.9900E-05	1.1670E-03	5.8900E-04	1.8160E-03	4.0740E-05	1.1170E-03	8.1650E-04	1.9740E-03
HITACHI(J2)	6.0470E-05	1.1850E-03	5.7380E-04	1.8190E-03	4.0430E-05	1.1180E-03	8.0080E-04	1.9590E-03
IKE	6.8913E-05	1.2275E-03	6.2526E-04	1.9217E-03	4.6480E-05	1.1915E-03	8.5556E-04	2.0935E-03
JAERI(SRAC)	5.9689E-05	1.1921E-03	6.1431E-04	1.8661E-03	4.0495E-05	1.1536E-03	8.7829E-04	2.0724E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.6754E-05	1.1023E-03	6.2923E-04	1.7983E-03	4.5726E-05	1.0937E-03	9.1093E-04	2.0504E-03
KFK(1985LIB.)	7.2525E-05	1.2041E-03	6.1736E-04	1.8940E-03	4.9745E-05	1.1961E-03	9.3420E-04	2.1801E-03
MAPI-CRC	6.4880E-06	1.2650E-03	6.4480E-04	1.9170E-03	4.6130E-06	1.1330E-03	9.3620E-04	2.0740E-03
NAIG	9.1700E-05	1.2966E-03	6.5560E-04	2.0440E-03	6.2600E-05	1.2305E-03	9.1460E-04	2.2080E-03
PNC	7.3310E-06	1.4320E-03	7.2680E-04	2.1660E-03	5.2320E-06	1.3030E-03	1.0670E-03	2.3750E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	7.7217E-05	1.3432E-03	7.6071E-04	2.1811E-03	5.1391E-05	1.2600E-03	1.0378E-03	2.3492E-03
STUDSVIK	0.0	0.0	0.0	2.2600E-03	0.0	0.0	0.0	2.4700E-03
TUBS(DATUBS4)	5.1434E-05	1.0879E-03	5.5506E-04	1.6944E-03	3.3670E-05	1.0379E-03	8.7654E-04	1.9481E-03
TUBS(DATUBS5)	5.1136E-05	1.0559E-03	5.2383E-04	1.6309E-03	3.3578E-05	1.0155E-03	8.3815E-04	1.8872E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF EU154 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.3400E-05	4.6800E-04	2.5100E-04	7.4200E-04	1.5000E-05	4.4200E-04	3.9600E-04	8.5200E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	2.3380E-05	3.8860E-04	1.4720E-04	5.5920E-04	1.4390E-05	3.3300E-04	3.4180E-04	6.8920E-04
HITACHI(J2)	2.3300E-05	3.8880E-04	1.4440E-04	5.5650E-04	1.4180E-05	3.2920E-04	3.4260E-04	6.8600E-04
IKE	2.2237E-05	4.5602E-04	2.2262E-04	7.0087E-04	1.3970E-05	4.1697E-04	3.4879E-04	7.7973E-04
JAERI(SRAC)	2.3973E-05	4.0434E-04	1.4272E-04	5.7103E-04	1.5010E-05	3.5702E-04	3.5439E-04	7.2642E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.1681E-05	4.3903E-04	1.9886E-04	6.5957E-04	1.4152E-05	4.2710E-04	3.4323E-04	7.8449E-04
KFK(1985LIB.)	2.3134E-05	4.7123E-04	1.9638E-04	6.9074E-04	1.5361E-05	4.6638E-04	3.4990E-04	8.3163E-04
MAPI-CRC	1.6240E-05	1.7320E-04	1.3480E-04	3.2430E-04	1.0100E-05	1.4980E-04	2.6320E-04	4.2310E-04
NAIG	2.5800E-05	4.4430E-04	1.4980E-04	6.2000E-04	1.5800E-05	3.8370E-04	3.5880E-04	7.5800E-04
PNC	1.8680E-05	2.0040E-04	1.5540E-04	3.7440E-04	1.1630E-05	1.7550E-04	3.1250E-04	4.9960E-04
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	2.5735E-05	5.4036E-04	2.5985E-04	8.2594E-04	1.5993E-05	4.8551E-04	4.0548E-04	9.0698E-04
STUDSVIK	0.0	0.0	0.0	6.4000E-04	0.0	0.0	0.0	8.2000E-04
TUBS(DATUBS4)	2.2675E-05	4.8046E-04	7.3786E-05	5.7692E-04	1.5183E-05	4.7354E-04	1.5631E-04	6.4503E-04
TUBS(DATUBS5)	2.2142E-05	4.5758E-04	6.8241E-05	5.4796E-04	1.4938E-05	4.5677E-04	1.4630E-04	6.1800E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF EU155 (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.1000E-05	3.3000E-04	2.1900E-04	5.7000E-04	1.3000E-05	2.7400E-04	4.1600E-04	7.0200E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	3.6250E-06	8.1640E-05	8.0730E-04	8.9250E-04	1.5750E-06	4.7550E-05	1.0460E-03	1.0950E-03
HITACHI(J2)	3.5670E-06	8.0700E-05	8.0440E-04	8.8870E-04	1.5520E-06	4.6840E-05	1.0520E-03	1.1000E-03
IKE	1.7072E-05	3.3784E-04	2.7774E-04	6.3266E-04	8.9676E-06	2.6290E-04	5.5373E-04	8.2561E-04
JAERI(SRAC)	4.0467E-06	9.4179E-05	8.5738E-04	9.5560E-04	1.7455E-06	5.4828E-05	1.1630E-03	1.2196E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.8469E-05	3.4701E-04	2.7993E-04	6.4541E-04	9.8913E-06	2.8063E-04	5.8648E-04	8.7701E-04
KFK(1985LIB.)	5.4854E-05	5.5369E-04	3.7913E-04	9.8767E-04	2.9440E-05	4.3345E-04	7.1748E-04	1.1804E-03
MAPI-CRC	3.9540E-05	4.2160E-04	3.2820E-04	7.8930E-04	2.1610E-05	3.2040E-04	5.6310E-04	9.0510E-04
NAIG	3.6000E-06	8.5000E-05	8.4930E-04	9.3800E-04	1.5000E-06	4.8500E-05	1.1196E-03	1.1700E-03
PNC	4.1570E-05	4.4570E-04	3.4500E-04	8.3220E-04	2.2710E-05	3.4250E-04	6.0770E-04	9.7290E-04
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	2.1750E-05	4.3122E-04	3.4788E-04	8.0084E-04	1.1452E-05	3.3174E-04	6.8695E-04	1.0301E-03
STUDSVIK	0.0	0.0	0.0	5.1000E-04	0.0	0.0	0.0	6.7000E-04
TUBS(DATUBS4)	2.1675E-05	3.7308E-04	2.1792E-04	6.1267E-04	1.2953E-05	3.0044E-04	4.3479E-04	7.4818E-04
TUBS(DATUBS5)	2.1290E-05	3.6246E-04	2.0060E-04	5.8435E-04	1.2864E-05	2.9588E-04	4.0457E-04	7.1331E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF FP-TOTAL (BURNUP=30GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.8700E-03	4.7800E-02	1.2800E-02	6.3400E-02	1.7600E-03	4.5200E-02	2.1800E-02	6.8700E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.9970E-03	4.5650E-02	1.1320E-02	5.9960E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	2.6140E-03	4.3550E-02	1.3810E-02	5.9970E-02	1.6240E-03	3.9910E-02	2.3010E-02	6.4530E-02
HITACHI(J2)	2.6100E-03	4.3930E-02	1.3610E-02	6.0090E-02	1.6120E-03	3.9960E-02	2.3190E-02	6.4770E-02
IKE	2.2034E-03	4.3324E-02	1.2707E-02	5.8235E-02	1.3513E-03	4.0700E-02	2.1864E-02	6.3915E-02
JAERI(SRAC)	2.8063E-03	4.6052E-02	1.3155E-02	6.2013E-02	1.7471E-03	4.2431E-02	2.2904E-02	6.7081E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.5485E-03	4.4156E-02	1.2153E-02	5.8857E-02	1.5668E-03	4.1500E-02	2.1903E-02	6.4970E-02
KFK(1985LIB.)	2.4587E-03	4.4515E-02	1.1273E-02	5.8247E-02	1.5097E-03	4.2788E-02	2.0641E-02	6.4938E-02
MAPI-CRC	1.3380E-04	4.5650E-02	1.3880E-02	5.9660E-02	8.3630E-05	4.1400E-02	2.2270E-02	6.3750E-02
NAIG	2.7896E-03	4.8428E-02	1.3557E-02	6.4774E-02	1.7206E-03	4.4361E-02	2.3001E-02	6.9080E-02
PNC	1.0440E-04	4.4280E-02	1.3350E-02	5.7730E-02	6.3430E-05	4.0080E-02	2.1520E-02	6.1660E-02
PSI(BOXER)	2.5743E-03	5.0914E-02	9.8836E-03	6.3371E-02	1.5741E-03	4.6815E-02	1.8269E-02	6.6658E-02
PSI(DANDE)	2.7312E-03	4.8906E-02	1.3107E-02	6.4744E-02	1.6689E-03	4.4857E-02	2.2446E-02	6.8972E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.5280E-03	4.3620E-02	1.2920E-02	5.9070E-02	1.5700E-03	4.0710E-02	2.2850E-02	6.5130E-02
TUBS(DATUBS5)	2.5050E-03	4.2290E-02	1.2130E-02	5.6920E-02	1.5590E-03	3.9780E-02	2.1700E-02	6.3040E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U235 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	9.2000E-04	4.5000E-03	5.6300E-04	5.9800E-03	6.3200E-04	4.0700E-03	1.4700E-03	6.1600E-03
CEA	0.0	0.0	0.0	5.9281E-03	0.0	0.0	0.0	0.0
GKSS	9.1480E-04	4.4210E-03	7.0000E-04	6.0360E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	9.3740E-04	4.6240E-03	6.4560E-04	6.2070E-03	6.3770E-04	4.1490E-03	1.6850E-03	6.4720E-03
HITACHI(J2)	9.2270E-04	4.7000E-03	6.5650E-04	6.2790E-03	6.3770E-04	4.1930E-03	1.6840E-03	6.5150E-03
IKE	9.3262E-04	4.6480E-03	6.2757E-04	6.2082E-03	6.4156E-04	4.1893E-03	1.6331E-03	6.4640E-03
JAERI(SRAC)	9.2526E-04	4.6757E-03	5.9707E-04	6.1980E-03	6.4020E-04	4.2274E-03	1.5962E-03	6.4637E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	9.7528E-04	4.5271E-03	5.4972E-04	6.0521E-03	6.5710E-04	4.1147E-03	1.5653E-03	6.3371E-03
KFK(1985LIB.)	9.7103E-04	4.4836E-03	4.9899E-04	5.9536E-03	6.5335E-04	4.0775E-03	1.4584E-03	6.1893E-03
MAPI-CRC	9.5180E-04	4.6010E-03	6.1620E-04	6.1690E-03	6.5670E-04	4.1080E-03	1.5890E-03	6.3540E-03
NAIG	9.5210E-04	4.6379E-03	5.9720E-04	6.1870E-03	6.4870E-04	4.1686E-03	1.5663E-03	6.3840E-03
PNC	1.0400E-03	4.4640E-03	6.2660E-04	6.1300E-03	7.0350E-04	4.0240E-03	1.6510E-03	6.3790E-03
PSI(BOXER)	9.5932E-04	4.5062E-03	5.6088E-04	6.0264E-03	6.5149E-04	4.0948E-03	1.5360E-03	6.2823E-03
PSI(DANDE)	9.2831E-04	4.6136E-03	5.8590E-04	6.1277E-03	6.3788E-04	4.1514E-03	1.5483E-03	6.3378E-03
STUDSVIK	0.0	0.0	0.0	6.1900E-03	0.0	0.0	0.0	6.3900E-03
TUBS(DATUBS4)	9.5010E-04	4.6680E-03	5.9050E-04	6.2080E-03	6.4760E-04	4.2350E-03	1.6330E-03	6.5150E-03
TUBS(DATUBS5)	9.4760E-04	4.5700E-03	5.4320E-04	6.0610E-03	6.4980E-04	4.1880E-03	1.5040E-03	6.3420E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U238 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	9.7000E-02	2.1600E-01	3.6300E-03	3.1700E-01	7.0200E-02	1.9500E-01	6.9500E-03	2.7200E-01
CEA	0.0	0.0	0.0	3.0569E-01	0.0	0.0	0.0	0.0
GKSS	1.0210E-01	2.0510E-01	1.6550E-03	3.0890E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	9.8960E-02	2.0560E-01	4.0100E-03	3.0860E-01	7.1230E-02	1.8510E-01	7.5710E-03	2.6390E-01
HITACHI(J2)	9.8400E-02	2.0090E-01	3.9950E-03	3.0330E-01	7.1830E-02	1.8170E-01	7.5120E-03	2.6110E-01
IKE	1.0163E-01	2.0855E-01	3.7508E-03	3.1394E-01	7.5146E-02	1.8760E-01	7.2146E-03	2.6997E-01
JAERI(SRAC)	1.0009E-01	2.0949E-01	3.8322E-03	3.1341E-01	7.3139E-02	1.8715E-01	7.4034E-03	2.6769E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.0493E-01	2.1198E-01	3.5604E-03	3.2047E-01	7.5782E-02	1.8444E-01	7.2410E-03	2.6746E-01
KFK(1985LIB.)	1.0466E-01	2.1076E-01	3.1738E-03	3.1859E-01	7.5436E-02	1.8343E-01	6.7006E-03	2.6557E-01
MAPI-CRC	9.9340E-02	2.0740E-01	3.8800E-03	3.1060E-01	7.2090E-02	1.9070E-01	7.2440E-03	2.7010E-01
NAIG	1.0680E-01	2.0070E-01	3.7465E-03	3.1124E-01	7.6276E-02	1.7991E-01	7.1583E-03	2.6334E-01
PNC	1.0950E-01	1.8640E-01	3.9230E-03	2.9980E-01	7.8050E-02	1.7110E-01	7.4920E-03	2.5660E-01
PSI(BOXER)	9.9622E-02	2.0333E-01	3.3295E-03	3.0628E-01	7.1866E-02	1.8148E-01	6.7756E-03	2.6012E-01
PSI(DANDE)	9.5400E-02	2.1070E-01	3.6580E-03	3.0976E-01	6.9155E-02	1.9044E-01	7.0281E-03	2.6662E-01
STUDSVIK	0.0	0.0	0.0	3.0884E-01	0.0	0.0	0.0	2.6345E-01
TUBS(DATUBS4)	1.0220E-01	2.0700E-01	3.7730E-03	3.1300E-01	7.4950E-02	1.8630E-01	7.5310E-03	2.6880E-01
TUBS(DATUBS5)	1.0110E-01	2.1550E-01	3.4870E-03	3.2000E-01	7.4310E-02	1.9530E-01	6.9760E-03	2.7660E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU239 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.6700E-02	1.9400E-01	6.9800E-02	3.1000E-01	2.2900E-02	1.3000E-01	1.5300E-01	3.0600E-01
CEA	0.0	0.0	0.0	3.0310E-01	0.0	0.0	0.0	0.0
GKSS	4.5720E-02	1.8340E-01	7.9650E-02	3.0870E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	4.5130E-02	1.9060E-01	7.7410E-02	3.1310E-01	2.1780E-02	1.2730E-01	1.6420E-01	3.1320E-01
HITACHI(J2)	4.4850E-02	1.9010E-01	7.7420E-02	3.1240E-01	2.1880E-02	1.2620E-01	1.6270E-01	3.1080E-01
IKE	4.6361E-02	1.8927E-01	7.4482E-02	3.1012E-01	2.2861E-02	1.2444E-01	1.6111E-01	3.0842E-01
JAERI(SRAC)	4.6088E-02	1.9212E-01	7.2034E-02	3.1024E-01	2.2635E-02	1.2846E-01	1.5965E-01	3.1074E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.6673E-02	1.9466E-01	6.9437E-02	3.1077E-01	2.2409E-02	1.2984E-01	1.5439E-01	3.0664E-01
KFK(1985LIB.)	4.7080E-02	1.9461E-01	6.4762E-02	3.0645E-01	2.2688E-02	1.3053E-01	1.4723E-01	3.0045E-01
MAPI-CRC	4.6740E-02	1.8930E-01	7.3320E-02	3.0940E-01	2.3200E-02	1.2670E-01	1.5790E-01	3.0780E-01
NAIG	4.6698E-02	1.8789E-01	7.3495E-02	3.0808E-01	2.2556E-02	1.2466E-01	1.5828E-01	3.0549E-01
PNC	4.6520E-02	1.8910E-01	7.4910E-02	3.1060E-01	2.2360E-02	1.2440E-01	1.6060E-01	3.0740E-01
PSI(BOXER)	4.6767E-02	1.9090E-01	6.9779E-02	3.0745E-01	2.2640E-02	1.2743E-01	1.5421E-01	3.0428E-01
PSI(DANDE)	4.6207E-02	1.8947E-01	7.1886E-02	3.0757E-01	2.2679E-02	1.2755E-01	1.5621E-01	3.0644E-01
STUDSVIK	0.0	0.0	0.0	3.1021E-01	0.0	0.0	0.0	3.0853E-01
TUBS(DATUBS4)	4.5690E-02	2.0120E-01	6.5260E-02	3.1210E-01	2.2760E-02	1.3630E-01	1.5000E-01	3.0900E-01
TUBS(DATUBS5)	4.7410E-02	1.9910E-01	6.2650E-02	3.0910E-01	2.3820E-02	1.3670E-01	1.4670E-01	3.0730E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU240 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2400E-02	3.9200E-02	5.5200E-02	1.0700E-01	6.9800E-03	2.7300E-02	9.4500E-02	1.2900E-01
CEA	0.0	0.0	0.0	1.0732E-01	0.0	0.0	0.0	0.0
GKSS	1.2160E-02	3.5030E-02	6.5160E-02	1.1240E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.2220E-02	3.5120E-02	6.4200E-02	1.1150E-01	6.8520E-03	2.4270E-02	1.0230E-01	1.3340E-01
HITACHI(J2)	1.2490E-02	3.7090E-02	6.4160E-02	1.1370E-01	7.0870E-03	2.5610E-02	1.0290E-01	1.3560E-01
IKE	1.2495E-02	3.7572E-02	6.1250E-02	1.1132E-01	7.1164E-03	2.5510E-02	9.9619E-02	1.3224E-01
JAERI(SRAC)	1.2715E-02	3.7068E-02	6.0713E-02	1.1049E-01	7.2361E-03	2.5857E-02	9.9523E-02	1.3262E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.2798E-02	3.6710E-02	6.0207E-02	1.0971E-01	7.0025E-03	2.5720E-02	1.0090E-01	1.3362E-01
KFK(1985LIB.)	1.3003E-02	3.6989E-02	5.5885E-02	1.0588E-01	7.1147E-03	2.6008E-02	9.5606E-02	1.2873E-01
MAPI-CRC	1.2730E-02	3.6630E-02	6.3290E-02	1.1270E-01	7.2270E-03	2.5400E-02	1.0070E-01	1.3330E-01
NAIG	1.2700E-02	3.5208E-02	6.3486E-02	1.1139E-01	7.0302E-03	2.4816E-02	1.0231E-01	1.3416E-01
PNC	1.2800E-02	3.7990E-02	6.5110E-02	1.1590E-01	7.0650E-03	2.6620E-02	1.0340E-01	1.3710E-01
PSI(BOXER)	1.2847E-02	3.5463E-02	5.9549E-02	1.0786E-01	7.1688E-03	2.4590E-02	9.9249E-02	1.3101E-01
PSI(DANDE)	1.1980E-02	3.6191E-02	6.1467E-02	1.0964E-01	6.7092E-03	2.5548E-02	9.9689E-02	1.3195E-01
STUDSVIK	0.0	0.0	0.0	1.0354E-01	0.0	0.0	0.0	1.2778E-01
TUBS(DATUBS4)	1.2130E-02	3.7210E-02	6.2940E-02	1.1230E-01	6.8180E-03	2.6280E-02	1.0220E-01	1.3530E-01
TUBS(DATUBS5)	1.2280E-02	3.9880E-02	5.9490E-02	1.1160E-01	6.9660E-03	2.8300E-02	9.8280E-02	1.3350E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU241 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.0400E-02	6.2500E-02	1.0600E-02	8.3600E-02	7.3900E-03	6.2600E-02	3.4300E-02	1.0400E-01
CEA	0.0	0.0	0.0	8.1059E-02	0.0	0.0	0.0	0.0
GKSS	1.0810E-02	6.4090E-02	1.4000E-02	8.8890E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.0600E-02	6.4980E-02	1.2380E-02	8.7360E-02	7.3410E-03	6.2360E-02	3.8960E-02	1.0870E-01
HITACHI(J2)	1.0800E-02	6.5880E-02	1.3030E-02	8.9710E-02	7.4430E-03	6.4680E-02	3.9430E-02	1.1160E-01
IKE	1.0878E-02	6.4009E-02	1.2140E-02	8.7028E-02	7.5081E-03	6.3798E-02	3.7558E-02	1.0886E-01
JAERI(SRAC)	1.0851E-02	6.3432E-02	1.1813E-02	8.6095E-02	7.5080E-03	6.3145E-02	3.7775E-02	1.0843E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.0800E-02	6.4020E-02	1.1177E-02	8.5997E-02	7.4689E-03	6.5678E-02	3.7058E-02	1.1020E-01
KFK(1985LIB.)	1.0596E-02	6.2129E-02	1.0088E-02	8.2814E-02	7.3595E-03	6.4128E-02	3.4350E-02	1.0584E-01
MAPI-CRC	1.0970E-02	6.3550E-02	1.2090E-02	8.6610E-02	7.5800E-03	6.2780E-02	3.6910E-02	1.0730E-01
NAIG	1.1050E-02	6.5367E-02	1.1626E-02	8.8043E-02	7.7177E-03	6.6013E-02	3.6993E-02	1.1072E-01
PNC	1.1160E-02	6.6460E-02	1.2690E-02	9.0310E-02	7.6450E-03	6.5630E-02	3.9860E-02	1.1310E-01
PSI(BOXER)	1.1229E-02	6.2684E-02	1.1523E-02	8.5436E-02	7.8864E-03	6.3028E-02	3.8063E-02	1.0898E-01
PSI(DANDE)	1.0769E-02	6.4778E-02	1.1558E-02	8.7104E-02	7.5007E-03	6.4928E-02	3.6191E-02	1.0862E-01
STUDSVIK	0.0	0.0	0.0	8.4350E-02	0.0	0.0	0.0	1.0743E-01
TUBS(DATUBS4)	1.0880E-02	6.1030E-02	1.5620E-02	8.7520E-02	7.5640E-03	5.9410E-02	4.3440E-02	1.1040E-01
TUBS(DATUBS5)	1.1120E-02	6.0240E-02	1.5800E-02	8.7170E-02	7.6260E-03	5.9510E-02	4.2630E-02	1.0980E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU242 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.4900E-03	5.9200E-03	1.4700E-02	2.3100E-02	1.6300E-03	4.3100E-03	1.9300E-02	2.5200E-02
CEA	0.0	0.0	0.0	2.3483E-02	0.0	0.0	0.0	0.0
GKSS	2.5470E-03	6.3370E-03	1.5380E-02	2.4260E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	2.5340E-03	5.5450E-03	1.5960E-02	2.4040E-02	1.6740E-03	4.1430E-03	2.0100E-02	2.5920E-02
HITACHI(J2)	2.8510E-03	5.4990E-03	1.6470E-02	2.4820E-02	1.8920E-03	4.0450E-03	1.9840E-02	2.5770E-02
IKE	2.8681E-03	6.0133E-03	1.5235E-02	2.4117E-02	1.9162E-03	4.4796E-03	1.9896E-02	2.6291E-02
JAERI(SRAC)	2.8049E-03	5.9636E-03	1.5457E-02	2.4225E-02	1.8698E-03	4.4240E-03	1.9612E-02	2.5906E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.9269E-03	6.2985E-03	1.4276E-02	2.3501E-02	1.9913E-03	4.8190E-03	1.7990E-02	2.4800E-02
KFK(1985LIB.)	2.4305E-03	5.3388E-03	2.2633E-02	3.0403E-02	1.5172E-03	3.8054E-03	2.8783E-02	3.4106E-02
MAPI-CRC	2.9320E-03	5.8000E-03	1.4510E-02	2.3240E-02	1.9310E-03	4.2750E-03	1.9060E-02	2.5270E-02
NAIG	2.9268E-03	5.5720E-03	1.5876E-02	2.4374E-02	1.9100E-03	4.1139E-03	2.0252E-02	2.6275E-02
PNC	2.9310E-03	5.8860E-03	1.6100E-02	2.4920E-02	1.9550E-03	4.4510E-03	1.9700E-02	2.6110E-02
PSI(BOXER)	2.2569E-03	5.4851E-03	2.3412E-02	3.1154E-02	1.4436E-03	3.9188E-03	2.8854E-02	3.4216E-02
PSI(DANDE)	2.6695E-03	5.5112E-03	1.8320E-02	2.6501E-02	1.7500E-03	4.0588E-03	2.2906E-02	2.8715E-02
STUDSVIK	0.0	0.0	0.0	3.3050E-02	0.0	0.0	0.0	3.5260E-02
TUBS(DATUBS4)	2.5690E-03	7.8730E-03	1.3680E-02	2.4120E-02	1.7050E-03	7.1570E-03	1.7320E-02	2.6190E-02
TUBS(DATUBS5)	2.7330E-03	8.5530E-03	1.3270E-02	2.4550E-02	1.8330E-03	7.7190E-03	1.7120E-02	2.6670E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF AM241 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	9.2400E-04	4.7500E-03	3.8900E-03	9.5600E-03	5.8300E-04	3.9400E-03	6.9300E-03	1.1500E-02
CEA	0.0	0.0	0.0	1.1260E-02	0.0	0.0	0.0	0.0
GKSS	5.9430E-04	5.3290E-03	4.7930E-03	1.0720E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.0800E-03	4.9620E-03	3.8790E-03	9.9210E-03	6.7230E-04	4.0430E-03	6.9660E-03	1.1680E-02
HITACHI(J2)	1.0600E-03	4.9310E-03	3.8570E-03	9.8480E-03	6.6240E-04	3.9800E-03	6.8580E-03	1.1500E-02
IKE	1.0176E-03	4.8360E-03	4.3973E-03	1.0251E-02	6.1753E-04	3.8570E-03	7.5910E-03	1.2065E-02
JAERI(SRAC)	1.0474E-03	4.7551E-03	3.7933E-03	9.5958E-03	6.5299E-04	3.8630E-03	6.7634E-03	1.1279E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	9.9241E-04	4.7741E-03	4.0892E-03	9.8557E-03	6.0221E-04	3.8524E-03	7.4055E-03	1.1860E-02
KFK(1985LIB.)	9.8802E-04	4.7227E-03	3.7071E-03	9.4177E-03	6.0003E-04	3.8227E-03	6.8940E-03	1.1317E-02
MAPI-CRC	1.1730E-03	5.2460E-03	4.4980E-03	1.0920E-02	7.3230E-04	4.1510E-03	7.7230E-03	1.2610E-02
NAIG	6.2910E-04	5.9335E-03	4.5952E-03	1.1158E-02	3.9850E-04	4.8727E-03	7.6531E-03	1.2924E-02
PNC	1.2260E-03	5.4860E-03	4.7870E-03	1.1500E-02	7.5750E-04	4.3980E-03	8.3250E-03	1.3480E-02
PSI(BOXER)	6.6675E-04	5.8394E-03	4.1859E-03	1.0692E-02	4.2630E-04	4.8541E-03	7.3682E-03	1.2649E-02
PSI(DANDE)	9.8820E-04	4.7070E-03	4.1788E-03	9.8740E-03	6.0514E-04	3.7645E-03	7.3749E-03	1.1745E-02
STUDSVIK	0.0	0.0	0.0	8.5200E-03	0.0	0.0	0.0	1.0910E-02
TUBS(DATUBS4)	9.6130E-04	5.0640E-03	3.9380E-03	9.9630E-03	5.9910E-04	4.1300E-03	6.9950E-03	1.1720E-02
TUBS(DATUBS5)	1.0270E-03	4.7540E-03	3.8350E-03	9.6150E-03	6.2270E-04	3.8530E-03	6.8270E-03	1.1300E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF AM243 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	8.0800E-04	6.2800E-03	7.7400E-03	1.4800E-02	5.6900E-04	5.7700E-03	1.1800E-02	1.8100E-02
CEA	0.0	0.0	0.0	1.5269E-02	0.0	0.0	0.0	0.0
GKSS	7.5050E-04	5.8490E-03	7.6270E-03	1.4230E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.1470E-03	6.7090E-03	7.3450E-03	1.5200E-02	7.7100E-04	5.8860E-03	1.0990E-02	1.7650E-02
HITACHI(J2)	1.1150E-03	6.5950E-03	7.3780E-03	1.5090E-02	7.6470E-04	5.8430E-03	1.0830E-02	1.7440E-02
IKE	1.0938E-03	6.4576E-03	7.7226E-03	1.5274E-02	7.4536E-04	5.8384E-03	1.1427E-02	1.8011E-02
JAERI(SRAC)	1.1185E-03	6.4588E-03	7.4435E-03	1.5021E-02	7.5837E-04	5.7659E-03	1.1002E-02	1.7526E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.0117E-03	6.4006E-03	7.3138E-03	1.4726E-02	6.5762E-04	5.6477E-03	1.0745E-02	1.7050E-02
KFK(1985LIB.)	1.4689E-03	9.2006E-03	9.3322E-03	2.0002E-02	1.0323E-03	8.7912E-03	1.5008E-02	2.4832E-02
MAPI-CRC	1.0580E-03	6.2730E-03	7.1910E-03	1.4520E-02	7.4520E-04	5.7230E-03	1.0670E-02	1.7130E-02
NAIG	7.6600E-04	5.7360E-03	6.1714E-03	1.2673E-02	5.5050E-04	5.2313E-03	9.5075E-03	1.5289E-02
PNC	0.0	6.0600E-03	7.5180E-03	1.3580E-02	0.0	5.1560E-03	1.0560E-02	1.5710E-02
PSI(BOXER)	1.0816E-03	7.4503E-03	9.0226E-03	1.7555E-02	7.8230E-04	6.7847E-03	1.4000E-02	2.1567E-02
PSI(DANDE)	1.1657E-03	7.1934E-03	8.2713E-03	1.6630E-02	7.8782E-04	6.4743E-03	1.2217E-02	1.9479E-02
STUDSVIK	0.0	0.0	0.0	1.8890E-02	0.0	0.0	0.0	2.3100E-02
TUBS(DATUBS4)	7.8540E-04	6.1980E-03	5.4400E-03	1.2420E-02	5.6230E-04	5.7050E-03	8.8710E-03	1.5140E-02
TUBS(DATUBS5)	8.0050E-04	6.1750E-03	5.2550E-03	1.2230E-02	5.7330E-04	5.7160E-03	8.6600E-03	1.4950E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF CM244 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.0400E-04	3.2300E-03	1.8100E-05	3.8500E-03	5.1800E-04	4.3100E-03	4.1600E-05	4.8700E-03
CEA	0.0	0.0	0.0	4.7674E-03	0.0	0.0	0.0	0.0
GKSS	5.1740E-04	3.6950E-03	1.7660E-05	4.2300E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	5.2100E-04	3.1830E-03	2.6000E-05	3.7300E-03	4.1880E-04	3.7460E-03	5.7230E-05	4.2220E-03
HITACHI(J2)	4.9960E-04	3.1500E-03	2.5990E-05	3.6760E-03	4.0700E-04	3.6880E-03	5.6460E-05	4.1520E-03
IKE	5.3500E-04	3.4414E-03	2.4261E-05	4.0007E-03	4.4677E-04	4.2673E-03	5.4842E-05	4.7689E-03
JAERI(SRAC)	5.0895E-04	3.1650E-03	3.1543E-05	3.7055E-03	4.2323E-04	3.8163E-03	6.6385E-05	4.3059E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.3422E-04	3.6189E-03	2.2270E-05	4.1754E-03	4.2813E-04	4.4966E-03	5.1716E-05	4.9763E-03
KFK(1985LIB.)	7.5524E-04	4.9276E-03	2.8120E-05	5.7110E-03	6.6338E-04	6.6472E-03	7.4456E-05	7.3850E-03
MAPI-CRC	4.7540E-04	3.8160E-03	2.3250E-05	4.3150E-03	4.0290E-04	4.6120E-03	5.2120E-05	5.0690E-03
NAIG	4.1540E-04	2.9219E-03	1.7500E-05	3.3550E-03	3.5830E-04	3.6274E-03	4.0900E-05	4.0270E-03
PNC	0.0	3.8050E-03	2.0810E-05	3.8260E-03	0.0	4.4170E-03	4.5630E-05	4.4630E-03
PSI(BOXER)	6.3104E-04	3.5409E-03	2.4157E-05	4.1961E-03	5.5427E-04	4.7228E-03	6.0565E-05	5.3376E-03
PSI(DANDE)	5.2547E-04	3.6658E-03	2.4143E-05	4.2154E-03	4.3227E-04	4.4887E-03	5.3994E-05	4.9749E-03
STUDSVIK	0.0	0.0	0.0	2.1500E-03	0.0	0.0	0.0	2.8600E-03
TUBS(DATUBS4)	3.9300E-04	2.7980E-03	1.6830E-05	3.2080E-03	3.4730E-04	3.5920E-03	4.1720E-05	3.9810E-03
TUBS(DATUBS5)	3.8490E-04	2.6960E-03	1.5460E-05	3.0960E-03	3.4200E-04	3.4990E-03	3.8410E-05	3.8800E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U235 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	7.6700E-04	2.9200E-03	4.4900E-04	4.1400E-03	5.3300E-04	2.6000E-03	1.2100E-03	4.3400E-03
CEA	0.0	0.0	0.0	4.1158E-03	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	7.7920E-04	3.0100E-03	5.1650E-04	4.3050E-03	5.3580E-04	2.6610E-03	1.3940E-03	4.5910E-03
HITACHI(J2)	7.6200E-04	2.9240E-03	5.2080E-04	4.2060E-03	5.3160E-04	2.5540E-03	1.3870E-03	4.4730E-03
IKE	7.7455E-04	3.0319E-03	5.0087E-04	4.3073E-03	5.3862E-04	2.6934E-03	1.3485E-03	4.5805E-03
JAERI(SRAC)	7.6495E-04	2.9190E-03	4.7007E-04	4.1540E-03	5.3427E-04	2.5873E-03	1.3095E-03	4.4310E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	8.1468E-04	2.8843E-03	4.3594E-04	4.1349E-03	5.5496E-04	2.5775E-03	1.2899E-03	4.4223E-03
KFK(1985LIB.)	8.1113E-04	2.8590E-03	3.9558E-04	4.0657E-03	5.5167E-04	2.5565E-03	1.2018E-03	4.3100E-03
MAPI-CRC	7.9040E-04	2.8520E-03	4.8660E-04	4.1290E-03	5.5130E-04	2.4910E-03	1.3040E-03	4.3460E-03
NAIG	7.9890E-04	3.0932E-03	4.7370E-04	4.3660E-03	5.4970E-04	2.7231E-03	1.2900E-03	4.5630E-03
PNC	8.6680E-04	2.8910E-03	4.9490E-04	4.2520E-03	5.9310E-04	2.5490E-03	1.3550E-03	4.4970E-03
PSI(BOXER)	8.0206E-04	2.9478E-03	4.5014E-04	4.2000E-03	5.5084E-04	2.6399E-03	1.2723E-03	4.4630E-03
PSI(DANDE)	7.7199E-04	2.9666E-03	4.6617E-04	4.2048E-03	5.3684E-04	2.6263E-03	1.2756E-03	4.4387E-03
STUDSVIK	0.0	0.0	0.0	4.3300E-03	0.0	0.0	0.0	4.5500E-03
TUBS(DATUBS4)	7.8890E-04	3.0280E-03	4.7940E-04	4.2970E-03	5.4420E-04	2.6980E-03	1.3580E-03	4.6010E-03
TUBS(DATUBS5)	7.8520E-04	2.9530E-03	4.3900E-04	4.1770E-03	5.4510E-04	2.6590E-03	1.2450E-03	4.4490E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U238 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.2100E-02	0.0	1.1000E-12	4.2100E-02	3.5500E-02	0.0	1.7000E-12	3.5500E-02
CEA	0.0	0.0	0.0	4.2951E-02	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.0760E-02	9.3830E-06	3.1230E-10	4.0770E-02	3.4040E-02	6.5590E-06	4.4460E-10	3.4040E-02
HITACHI(J2)	4.2670E-02	1.7110E-05	3.9140E-09	4.2630E-02	3.6070E-02	1.2100E-05	7.8800E-09	3.6080E-02
IKE	4.4757E-02	1.6348E-05	3.6739E-09	4.4773E-02	3.7957E-02	1.1571E-05	7.5520E-09	3.7968E-02
JAERI(SRAC)	4.4862E-02	1.8167E-05	0.0	4.4880E-02	3.7368E-02	1.2741E-05	0.0	3.7380E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.3779E-02	0.0	0.0	4.3779E-02	3.6368E-02	0.0	0.0	3.6368E-02
KFK(1985LIB.)	4.3493E-02	0.0	0.0	4.3493E-02	3.6009E-02	0.0	0.0	3.6009E-02
MAPI-CRC	4.6060E-02	1.7030E-05	3.7700E-09	4.6080E-02	3.8560E-02	1.2170E-05	7.5250E-09	3.8570E-02
NAIG	4.5709E-02	1.7400E-05	0.0	4.5727E-02	3.7101E-02	1.2300E-05	0.0	3.7114E-02
PNC	4.3820E-02	0.0	0.0	4.3820E-02	3.6650E-02	0.0	0.0	3.6650E-02
PSI(BOXER)	4.4343E-02	1.5826E-05	2.0583E-09	4.4359E-02	3.6987E-02	1.1079E-05	2.8270E-09	3.6998E-02
PSI(DANDE)	4.1617E-02	1.7216E-05	3.5529E-09	4.1634E-02	3.5210E-02	1.2257E-05	7.2974E-09	3.5223E-02
STUDSVIK	0.0	0.0	0.0	4.7470E-02	0.0	0.0	0.0	3.9650E-02
TUBS(DATUBS4)	4.3170E-02	3.0610E-06	0.0	4.3170E-02	3.6760E-02	2.1310E-06	0.0	3.6760E-02
TUBS(DATUBS5)	4.4090E-02	1.8280E-05	3.1910E-09	4.4110E-02	3.7500E-02	1.2810E-05	6.9630E-09	3.7510E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU239 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.1900E-02	1.0900E-01	4.5600E-02	1.9700E-01	2.0800E-02	7.3600E-02	9.8700E-02	1.9300E-01
CEA	0.0	0.0	0.0	1.9523E-01	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.0440E-02	1.0790E-01	5.0640E-02	1.9890E-01	1.9710E-02	7.1960E-02	1.0620E-01	1.9790E-01
HITACHI(J2)	3.9970E-02	1.0670E-01	5.0910E-02	1.9760E-01	1.9700E-02	7.0580E-02	1.0550E-01	1.9580E-01
IKE	4.1220E-02	1.0842E-01	4.9667E-02	1.9930E-01	2.0528E-02	7.1083E-02	1.0559E-01	1.9720E-01
JAERI(SRAC)	4.1040E-02	1.0738E-01	4.7300E-02	1.9571E-01	2.0359E-02	7.1661E-02	1.0333E-01	1.9534E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.2217E-02	1.1007E-01	4.5514E-02	1.9780E-01	2.0453E-02	7.3449E-02	1.0020E-01	1.9410E-01
KFK(1985LIB.)	4.2587E-02	1.1004E-01	4.2380E-02	1.9500E-01	2.0705E-02	7.3838E-02	9.5499E-02	1.9004E-01
MAPI-CRC	4.1780E-02	1.0650E-01	4.8220E-02	1.9650E-01	2.0960E-02	7.0990E-02	1.0230E-01	1.9420E-01
NAIG	4.2127E-02	1.0749E-01	4.8008E-02	1.9763E-01	2.0539E-02	7.1174E-02	1.0207E-01	1.9379E-01
PNC	4.1590E-02	1.0630E-01	4.9170E-02	1.9710E-01	2.0180E-02	6.9690E-02	1.0390E-01	1.9380E-01
PSI(BOXER)	4.2104E-02	1.0730E-01	4.5577E-02	1.9498E-01	2.0586E-02	7.1892E-02	9.9573E-02	1.9205E-01
PSI(DANDE)	4.1147E-02	1.0890E-01	4.7895E-02	1.9795E-01	2.0415E-02	7.2774E-02	1.0228E-01	1.9547E-01
STUDSVIK	0.0	0.0	0.0	1.9771E-01	0.0	0.0	0.0	1.9489E-01
TUBS(DATUBS4)	4.0840E-02	1.1400E-01	4.3010E-02	1.9790E-01	2.0580E-02	7.7320E-02	9.7980E-02	1.9590E-01
TUBS(DATUBS5)	4.2000E-02	1.1350E-01	4.1620E-02	1.9710E-01	2.1350E-02	7.7650E-02	9.5940E-02	1.9490E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU240 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	9.3100E-03	8.0800E-04	1.0700E-05	1.0100E-02	5.4800E-03	4.6700E-04	1.8300E-05	5.9600E-03
CEA	0.0	0.0	0.0	8.9805E-03	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	9.1330E-03	7.7800E-04	1.2480E-05	9.9230E-03	5.3480E-03	4.5030E-04	1.9830E-05	5.8180E-03
HITACHI(J2)	9.1150E-03	9.0450E-04	1.2800E-05	1.0030E-02	5.4280E-03	5.2130E-04	2.0550E-05	5.9690E-03
IKE	9.1812E-03	9.0376E-04	1.2210E-05	1.0097E-02	5.4851E-03	5.1889E-04	1.9883E-05	6.0239E-03
JAERI(SRAC)	9.3419E-03	9.0568E-04	1.2110E-05	1.0260E-02	5.5666E-03	5.2798E-04	1.9885E-05	6.1143E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	9.1667E-03	5.6939E-04	1.1151E-05	9.7472E-03	5.2481E-03	3.4312E-04	1.8702E-05	5.6099E-03
KFK(1985LIB.)	9.3131E-03	5.7642E-04	1.0345E-05	9.8997E-03	5.3279E-03	3.4846E-04	1.7720E-05	5.6941E-03
MAPI-CRC	9.3960E-03	8.6690E-04	1.2610E-05	1.0280E-02	5.5910E-03	5.0730E-04	2.0090E-05	6.1190E-03
NAIG	9.5122E-03	3.9970E-04	1.1600E-05	9.9240E-03	5.4833E-03	2.2410E-04	1.8700E-05	5.7260E-03
PNC	9.4410E-03	8.7840E-04	1.2960E-05	1.0330E-02	5.4360E-03	5.1650E-04	2.0620E-05	5.9740E-03
PSI(BOXER)	9.7486E-03	7.6922E-04	1.1564E-05	1.0529E-02	5.6603E-03	4.4492E-04	1.9224E-05	6.1244E-03
PSI(DANDE)	8.7095E-03	8.6152E-04	1.2228E-05	9.5832E-03	5.1246E-03	5.0616E-04	1.9853E-05	5.6506E-03
STUDSVIK	0.0	0.0	0.0	1.0110E-02	0.0	0.0	0.0	5.9900E-03
TUBS(DATUBS4)	9.0200E-03	7.9490E-04	1.1650E-05	9.8260E-03	5.3150E-03	4.6120E-04	1.8090E-05	5.7950E-03
TUBS(DATUBS5)	8.8710E-03	9.2240E-04	1.1800E-05	9.8050E-03	5.3070E-03	5.4420E-04	1.9550E-05	5.8700E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU241 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	9.3000E-03	5.0300E-02	8.2300E-03	6.7800E-02	6.6400E-03	5.0700E-02	2.6000E-02	8.3300E-02
CEA	0.0	0.0	0.0	6.5819E-02	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	9.4040E-03	5.1490E-02	9.5570E-03	7.0450E-02	6.5490E-03	5.0250E-02	2.9400E-02	8.6200E-02
HITACHI(J2)	9.4010E-03	4.9780E-02	9.9150E-03	6.9100E-02	6.5170E-03	4.8690E-02	2.9620E-02	8.4830E-02
IKE	9.4441E-03	4.8413E-02	9.2395E-03	6.7097E-02	6.5470E-03	4.7881E-02	2.8217E-02	8.2645E-02
JAERI(SRAC)	9.4534E-03	4.7894E-02	8.9980E-03	6.6346E-02	6.5768E-03	4.7359E-02	2.8400E-02	8.2335E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	9.5988E-03	4.7947E-02	8.3568E-03	6.5903E-02	6.6869E-03	4.9121E-02	2.7153E-02	8.2960E-02
KFK(1985LIB.)	9.4177E-03	4.6532E-02	7.5229E-03	6.3473E-02	6.5879E-03	4.7962E-02	2.5148E-02	7.9698E-02
MAPI-CRC	9.6110E-03	4.8460E-02	9.1820E-03	6.7250E-02	6.6900E-03	4.7680E-02	2.7710E-02	8.2080E-02
NAIG	9.6400E-03	4.9712E-02	8.8550E-03	6.8207E-02	6.7677E-03	4.9940E-02	2.7776E-02	8.4483E-02
PNC	9.7530E-03	5.0610E-02	9.6370E-03	7.0010E-02	6.7270E-03	4.9810E-02	2.9920E-02	8.6460E-02
PSI(BOXER)	1.0020E-02	5.0256E-02	8.8845E-03	6.9161E-02	7.0874E-03	5.0879E-02	2.8714E-02	8.6680E-02
PSI(DANDE)	9.4068E-03	4.9416E-02	8.7740E-03	6.7596E-02	6.5987E-03	4.9368E-02	2.7151E-02	8.3118E-02
STUDSVIK	0.0	0.0	0.0	6.5030E-02	0.0	0.0	0.0	8.1770E-02
TUBS(DATUBS4)	9.6530E-03	4.9920E-02	1.1510E-02	7.1080E-02	6.7550E-03	4.9100E-02	3.1920E-02	8.7770E-02
TUBS(DATUBS5)	9.6790E-03	4.6870E-02	1.1150E-02	6.7700E-02	6.6750E-03	4.6310E-02	3.0950E-02	8.3940E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU242 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.0000E-03	0.0	0.0	2.0000E-03	1.3600E-03	0.0	0.0	1.3600E-03
CEA	0.0	0.0	0.0	1.8841E-03	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	2.0250E-03	0.0	0.0	2.0250E-03	1.3880E-03	0.0	0.0	1.3880E-03
HITACHI(J2)	2.0140E-03	3.2290E-05	1.2170E-05	2.0590E-03	1.4120E-03	2.1330E-05	1.5490E-05	1.4490E-03
IKE	2.0396E-03	3.1453E-05	1.0209E-05	2.0813E-03	1.4375E-03	2.0943E-05	1.3346E-05	1.4718E-03
JAERI(SRAC)	1.9984E-03	3.2345E-05	1.1365E-05	2.0421E-03	1.4029E-03	2.1782E-05	1.5179E-05	1.4398E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.0886E-03	1.4572E-05	4.8236E-09	2.1032E-03	1.4908E-03	1.0467E-05	7.4867E-09	1.5013E-03
KFK(1985LIB.)	1.7342E-03	1.2291E-05	3.5563E-09	1.7465E-03	1.1349E-03	8.2142E-06	5.2586E-09	1.1431E-03
MAPI-CRC	2.1010E-03	3.1590E-05	1.0810E-05	2.1430E-03	1.4600E-03	2.1400E-05	1.4850E-05	1.4960E-03
NAIG	2.1154E-03	3.1100E-05	1.1700E-05	2.1580E-03	1.4459E-03	2.1000E-05	1.5600E-05	1.4820E-03
PNC	2.0970E-03	3.1990E-05	2.9320E-05	2.1580E-03	1.4680E-03	2.2180E-05	3.4890E-05	1.5260E-03
PSI(BOXER)	1.8335E-03	0.0	0.0	1.8335E-03	1.2143E-03	0.0	0.0	1.2143E-03
PSI(DANDE)	1.8794E-03	2.9277E-05	1.2271E-05	1.9210E-03	1.3038E-03	1.9522E-05	1.5356E-05	1.3387E-03
STUDSVIK	0.0	0.0	0.0	1.7600E-03	0.0	0.0	0.0	1.1800E-03
TUBS(DATUBS4)	1.8480E-03	2.7680E-05	7.1630E-09	1.8760E-03	1.2960E-03	1.8550E-05	1.4790E-08	1.3150E-03
TUBS(DATUBS5)	1.9190E-03	3.2960E-05	8.8900E-06	1.9610E-03	1.3640E-03	2.3150E-05	1.1480E-05	1.3990E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF AM241 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.0900E-04	3.0700E-05	1.5900E-05	4.5600E-04	2.9200E-04	2.4200E-05	3.0200E-05	3.4700E-04
CEA	0.0	0.0	0.0	5.1085E-04	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.4270E-04	3.7680E-05	1.9000E-05	4.9940E-04	3.1380E-04	3.0610E-05	3.5440E-05	3.7980E-04
HITACHI(J2)	4.3310E-04	3.7500E-05	1.9030E-05	4.8970E-04	3.0980E-04	3.0160E-05	3.5030E-05	3.7500E-04
IKE	3.8781E-04	3.3416E-05	2.6605E-05	4.4783E-04	2.7191E-04	2.7045E-05	4.7994E-05	3.4695E-04
JAERI(SRAC)	4.3823E-04	3.6220E-05	1.8564E-05	4.9301E-04	3.1006E-04	2.9136E-05	3.4360E-05	3.7355E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.2877E-04	3.3660E-05	2.3824E-05	4.8625E-04	2.9441E-04	2.7619E-05	4.5551E-05	3.6758E-04
KFK(1985LIB.)	4.2659E-04	3.3248E-05	2.1625E-05	4.8146E-04	2.9263E-04	2.7357E-05	4.2369E-05	3.6236E-04
MAPI-CRC	4.9080E-04	4.0610E-05	2.2020E-05	5.5350E-04	3.4950E-04	3.1950E-05	3.9170E-05	4.2060E-04
NAIG	3.8980E-04	1.8960E-04	2.2600E-05	6.0200E-04	2.6600E-04	1.2430E-04	4.0100E-05	4.3000E-04
PNC	5.0550E-04	4.2590E-05	2.3080E-05	5.7120E-04	3.5370E-04	3.3890E-05	4.2010E-05	4.2960E-04
PSI(BOXER)	4.1236E-04	1.9069E-04	1.9946E-05	6.2300E-04	2.8503E-04	1.2499E-04	3.7941E-05	4.4796E-04
PSI(DANDE)	3.5936E-04	3.3028E-05	2.4902E-05	4.1729E-04	2.5493E-04	2.6872E-05	4.6090E-05	3.2789E-04
STUDSVIK	0.0	0.0	0.0	3.8000E-04	0.0	0.0	0.0	2.7000E-04
TUBS(DATUBS4)	4.2180E-04	3.2750E-05	1.6940E-05	4.7150E-04	2.9880E-04	2.5500E-05	3.1830E-05	3.5620E-04
TUBS(DATUBS5)	3.8180E-04	3.2880E-05	2.4550E-05	4.3920E-04	2.6790E-04	2.7090E-05	4.4590E-05	3.3960E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF AM243 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.6400E-04	8.8100E-07	0.0	4.6500E-04	3.6100E-04	5.5900E-07	0.0	3.6100E-04
CEA	0.0	0.0	0.0	4.4481E-04	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.8730E-04	2.0520E-05	2.1140E-05	5.2890E-04	3.7330E-04	1.8000E-05	3.1470E-05	4.2280E-04
HITACHI(J2)	4.7200E-04	2.0160E-05	2.1230E-05	5.1340E-04	3.7080E-04	1.7870E-05	3.1010E-05	4.1970E-04
IKE	4.1625E-04	4.7587E-06	5.0045E-06	4.2601E-04	3.2871E-04	4.2278E-06	7.3727E-06	3.4031E-04
JAERI(SRAC)	4.8514E-04	1.9768E-05	2.1416E-05	5.2632E-04	3.7374E-04	1.7660E-05	3.1513E-05	4.2291E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.8335E-04	2.2390E-06	4.0245E-08	4.8562E-04	3.5226E-04	1.4439E-06	6.3866E-08	3.5376E-04
KFK(1985LIB.)	7.0146E-04	3.2467E-06	5.1648E-08	7.0475E-04	5.5177E-04	2.2702E-06	9.2288E-08	5.5413E-04
MAPI-CRC	4.6060E-04	1.9220E-05	2.0650E-05	5.0050E-04	3.7030E-04	1.7540E-05	3.0530E-05	4.1830E-04
NAIG	4.7580E-04	0.0	0.0	4.7600E-04	3.7060E-04	0.0	0.0	3.7100E-04
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	6.6892E-04	0.0	0.0	6.6892E-04	5.2652E-04	0.0	0.0	5.2652E-04
PSI(DANDE)	4.2386E-04	5.2954E-06	5.3522E-06	4.3451E-04	3.3337E-04	4.6876E-06	7.8776E-06	3.4593E-04
STUDSVIK	0.0	0.0	0.0	6.9000E-04	0.0	0.0	0.0	5.3000E-04
TUBS(DATUBS4)	4.7110E-04	0.0	0.0	4.7110E-04	3.7080E-04	0.0	0.0	3.7080E-04
TUBS(DATUBS5)	4.7830E-04	0.0	0.0	4.7830E-04	3.7710E-04	0.0	0.0	3.7710E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF CM244 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.0300E-04	7.5800E-05	5.0500E-07	4.7900E-04	3.6800E-04	9.2200E-05	1.4300E-06	4.6100E-04
CEA	0.0	0.0	0.0	6.8832E-04	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	3.8980E-04	7.8170E-05	1.6390E-06	4.6960E-04	3.2620E-04	8.4400E-05	3.8830E-06	4.1450E-04
HITACHI(J2)	3.7260E-04	7.6820E-05	1.6410E-06	4.5110E-04	3.1680E-04	8.2540E-05	3.8350E-06	4.0320E-04
IKE	3.9089E-04	8.9659E-05	9.8256E-07	4.8154E-04	3.4332E-04	9.8461E-05	2.6543E-06	4.4444E-04
JAERI(SRAC)	3.8172E-04	7.6412E-05	1.6688E-06	4.5980E-04	3.3061E-04	8.5000E-05	3.9751E-06	4.1958E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.9672E-04	8.7275E-05	8.8736E-07	4.8488E-04	3.3224E-04	9.7353E-05	2.4891E-06	4.3208E-04
KFK(1985LIB.)	5.6082E-04	1.2051E-04	1.1349E-06	6.8246E-04	5.1440E-04	1.4617E-04	3.6086E-06	6.6417E-04
MAPI-CRC	3.5760E-04	8.3270E-05	1.4560E-06	4.4230E-04	3.1590E-04	9.3750E-05	3.5070E-06	4.1310E-04
NAIG	3.5250E-04	1.6350E-04	1.0000E-06	5.1700E-04	3.1120E-04	2.0500E-04	2.4000E-06	5.1900E-04
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	5.3490E-04	1.8153E-04	1.4242E-06	7.1785E-04	4.8149E-04	2.5368E-04	3.5548E-06	7.3872E-04
PSI(DANDE)	3.8447E-04	8.0868E-05	9.6000E-07	4.6629E-04	3.3238E-04	9.2492E-05	2.5665E-06	4.2744E-04
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.2810E-04	1.5720E-04	9.9250E-07	4.8630E-04	2.9880E-04	2.0350E-04	2.4480E-06	5.0470E-04
TUBS(DATUBS5)	3.2080E-04	1.5140E-04	9.1160E-07	4.7320E-04	2.9390E-04	1.9820E-04	2.2550E-06	4.9440E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U235 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.9400E-03	7.0800E-03	1.0900E-03	1.0100E-02	1.3600E-03	6.2900E-03	2.9300E-03	1.0600E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.9324E-03	6.3957E-03	1.3678E-03	9.6911E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.9650E-03	7.2800E-03	1.2520E-03	1.0500E-02	1.3610E-03	6.4360E-03	3.3820E-03	1.1180E-02
HITACHI(J2)	1.9240E-03	7.1000E-03	1.2650E-03	1.0290E-02	1.3520E-03	6.2030E-03	3.3690E-03	1.0920E-02
IKE	1.9580E-03	7.3878E-03	1.2205E-03	1.0566E-02	1.3718E-03	6.5629E-03	3.2859E-03	1.1221E-02
JAERI(SRAC)	1.9355E-03	7.0898E-03	1.1416E-03	1.0167E-02	1.3618E-03	6.2841E-03	3.1802E-03	1.0826E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.0593E-03	6.9888E-03	1.0563E-03	1.0143E-02	1.4123E-03	6.2454E-03	3.1253E-03	1.0783E-02
KFK(1985LIB.)	2.0496E-03	6.9275E-03	9.5855E-04	9.9355E-03	1.4033E-03	6.1944E-03	2.9120E-03	1.0509E-02
MAPI-CRC	2.0010E-03	6.9270E-03	1.1820E-03	1.0110E-02	1.4070E-03	6.0490E-03	3.1670E-03	1.0620E-02
NAIG	2.0218E-03	7.5373E-03	1.1542E-03	1.0713E-02	1.3998E-03	6.6355E-03	3.1433E-03	1.1179E-02
PNC	2.1870E-03	7.0400E-03	1.2040E-03	1.0430E-02	1.5060E-03	6.2080E-03	3.2940E-03	1.1010E-02
PSI(BOXER)	2.0291E-03	7.1304E-03	1.0888E-03	1.0248E-02	1.4046E-03	6.3856E-03	3.0775E-03	1.0868E-02
PSI(DANDE)	1.9477E-03	7.2288E-03	1.1359E-03	1.0312E-02	1.3640E-03	6.3996E-03	3.1082E-03	1.0872E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.9960E-03	7.3790E-03	1.1680E-03	1.0540E-02	1.3870E-03	6.5750E-03	3.3090E-03	1.1270E-02
TUBS(DATUBS5)	1.9840E-03	7.1950E-03	1.0700E-03	1.0250E-02	1.3870E-03	6.4780E-03	3.0340E-03	1.0900E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U238 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.1800E-01	0.0	2.5000E-12	1.1800E-01	1.0000E-01	0.0	3.8000E-12	1.0000E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.2346E-01	6.9662E-08	0.0	1.2346E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.1330E-01	2.1770E-05	7.2440E-10	1.1340E-01	9.5090E-02	1.5220E-05	1.0310E-09	9.5100E-02
HITACHI(J2)	1.1880E-01	3.9690E-05	9.0770E-09	1.1880E-01	1.0090E-01	2.8070E-05	1.8280E-08	1.0090E-01
IKE	1.2488E-01	3.7921E-05	8.5216E-09	1.2492E-01	1.0644E-01	2.6841E-05	1.7517E-08	1.0646E-01
JAERI(SRAC)	1.2538E-01	4.2137E-05	0.0	1.2542E-01	1.0493E-01	2.9551E-05	0.0	1.0496E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.2241E-01	0.0	0.0	1.2241E-01	1.0212E-01	0.0	0.0	1.0212E-01
KFK(1985LIB.)	1.2142E-01	0.0	0.0	1.2142E-01	1.0096E-01	0.0	0.0	1.0096E-01
MAPI-CRC	1.2900E-01	3.9500E-05	8.7440E-09	1.2910E-01	1.0860E-01	2.8230E-05	1.7450E-08	1.0860E-01
NAIG	1.2815E-01	2.7000E-06	0.0	1.2816E-01	1.0431E-01	1.7000E-06	0.0	1.0431E-01
PNC	1.2200E-01	0.0	0.0	1.2200E-01	1.0260E-01	0.0	0.0	1.0260E-01
PSI(BOXER)	1.2389E-01	3.6710E-05	4.7741E-09	1.2393E-01	1.0392E-01	2.5699E-05	6.5573E-09	1.0394E-01
PSI(DANDE)	1.1605E-01	3.9937E-05	8.2343E-09	1.1609E-01	9.8649E-02	2.8434E-05	1.6915E-08	9.8677E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.2160E-01	7.1020E-06	0.0	1.2160E-01	1.0410E-01	4.9440E-06	0.0	1.0410E-01
TUBS(DATUBS5)	1.2340E-01	4.2400E-05	7.4010E-09	1.2350E-01	1.0550E-01	2.9710E-03	1.6150E-08	1.0550E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU239 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2700E-01	3.1400E-01	1.3100E-01	5.7200E-01	6.3400E-02	2.1200E-01	2.8400E-01	5.5900E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.2442E-01	3.0405E-01	1.4894E-01	5.7741E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.2200E-01	3.1000E-01	1.4550E-01	5.7750E-01	5.9940E-02	2.0680E-01	3.0510E-01	5.7180E-01
HITACHI(J2)	1.2120E-01	3.0740E-01	1.4660E-01	5.7520E-01	6.0240E-02	2.0330E-01	3.0390E-01	5.6750E-01
IKE	1.2429E-01	3.0711E-01	1.4251E-01	5.7391E-01	6.2410E-02	2.0128E-01	3.0305E-01	5.6673E-01
JAERI(SRAC)	1.2469E-01	3.0925E-01	1.3625E-01	5.7019E-01	6.2371E-02	2.0640E-01	2.9765E-01	5.6642E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.2826E-01	3.1751E-01	1.3127E-01	5.7704E-01	6.2630E-02	2.1187E-01	2.8894E-01	5.6344E-01
KFK(1985LIB.)	1.2934E-01	3.1742E-01	1.2223E-01	5.6899E-01	6.3365E-02	2.1300E-01	2.7539E-01	5.5175E-01
MAPI-CRC	1.2700E-01	3.0680E-01	1.3890E-01	5.7260E-01	6.4270E-02	2.0450E-01	2.9470E-01	5.6340E-01
NAIG	1.2814E-01	3.0956E-01	1.3868E-01	5.7638E-01	6.2938E-02	2.0496E-01	2.9492E-01	5.6283E-01
PNC	1.2590E-01	3.0620E-01	1.4170E-01	5.7380E-01	6.1620E-02	2.0070E-01	2.9940E-01	5.6180E-01
PSI(BOXER)	1.2744E-01	3.0832E-01	1.3096E-01	5.6671E-01	6.2807E-02	2.0657E-01	2.8610E-01	5.5548E-01
PSI(DANDE)	1.2379E-01	3.0849E-01	1.3743E-01	5.6970E-01	6.1900E-02	2.0606E-01	2.9354E-01	5.6151E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.2370E-01	3.2770E-01	1.2360E-01	5.7500E-01	6.2900E-02	2.2220E-01	2.8150E-01	5.6660E-01
TUBS(DATUBS5)	1.2660E-01	3.2140E-01	1.1940E-01	5.6740E-01	6.4870E-02	2.1990E-01	2.7540E-01	5.6010E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU240 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.9300E-02	2.3200E-03	3.0800E-05	3.1700E-02	1.7400E-02	1.3400E-03	5.2600E-05	1.8800E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.8958E-02	1.7336E-03	3.0068E-05	3.0724E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	2.8650E-02	2.2330E-03	3.5810E-05	3.0920E-02	1.6890E-02	1.2920E-03	5.6900E-05	1.8240E-02
HITACHI(J2)	2.7960E-02	2.5180E-03	3.5640E-05	3.0510E-02	1.6770E-02	1.4510E-03	5.7210E-05	1.8280E-02
IKE	2.8231E-02	2.5160E-03	3.3989E-05	3.0781E-02	1.6993E-02	1.4446E-03	5.5351E-05	1.8493E-02
JAERI(SRAC)	2.8751E-02	2.5214E-03	3.3712E-05	3.1306E-02	1.7246E-02	1.4699E-03	5.5357E-05	1.8771E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.9215E-02	1.6400E-03	3.2098E-05	3.0887E-02	1.6850E-02	9.8826E-04	5.3833E-05	1.7890E-02
KFK(1985LIB.)	2.9657E-02	1.6603E-03	2.9779E-05	3.1347E-02	1.7088E-02	1.0037E-03	5.1008E-05	1.8142E-02
MAPI-CRC	2.8930E-02	2.4140E-03	3.5110E-05	3.1380E-02	1.7340E-02	1.4120E-03	5.5940E-05	1.8810E-02
NAIG	2.9498E-02	1.1205E-03	3.2500E-05	3.0651E-02	1.7102E-02	6.2830E-04	5.2500E-05	1.7783E-02
PNC	2.8880E-02	2.4460E-03	3.6090E-05	3.1360E-02	1.6760E-02	1.4380E-03	5.7410E-05	1.8250E-02
PSI(BOXER)	3.0685E-02	2.2077E-03	3.3187E-05	3.2926E-02	1.7941E-02	1.2769E-03	5.5170E-05	1.9273E-02
PSI(DANDE)	2.6712E-02	2.3985E-03	3.4041E-05	2.9144E-02	1.5836E-02	1.4091E-03	5.5266E-05	1.7300E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.8540E-02	2.2810E-03	3.3440E-05	3.0850E-02	1.6940E-02	1.3240E-03	5.1900E-05	1.8310E-02
TUBS(DATUBS5)	2.7340E-02	2.5680E-03	3.2850E-05	2.9940E-02	1.6470E-02	1.5150E-03	5.4420E-05	1.8040E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU241 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.8400E-02	1.4700E-01	2.4100E-02	2.0000E-01	2.0400E-02	1.4900E-01	7.6100E-02	2.4500E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.9421E-02	1.5154E-01	3.0705E-02	2.1168E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	2.8690E-02	1.5100E-01	2.8020E-02	2.0770E-01	2.0110E-02	1.4740E-01	8.6200E-02	2.5370E-01
HITACHI(J2)	2.8640E-02	1.4600E-01	2.9080E-02	2.0370E-01	1.9990E-02	1.4280E-01	8.6860E-02	2.4960E-01
IKE	2.8815E-02	1.4196E-01	2.7093E-02	1.9787E-01	2.0121E-02	1.4040E-01	8.2742E-02	2.4327E-01
JAERI(SRAC)	2.8846E-02	1.4044E-01	2.6385E-02	1.9567E-01	2.0203E-02	1.3887E-01	8.3277E-02	2.4235E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.9230E-02	1.4023E-01	2.4426E-02	1.9389E-01	2.0498E-02	1.4365E-01	7.9359E-02	2.4351E-01
KFK(1985LIB.)	2.8671E-02	1.3609E-01	2.1989E-02	1.8675E-01	2.0186E-02	1.4026E-01	7.3500E-02	2.3395E-01
MAPI-CRC	2.9340E-02	1.4210E-01	2.6920E-02	1.9840E-01	2.0570E-02	1.3980E-01	8.1250E-02	2.4160E-01
NAIG	2.9455E-02	1.4577E-01	2.5966E-02	2.0120E-01	2.0806E-02	1.4644E-01	8.1446E-02	2.4869E-01
PNC	2.9710E-02	1.4840E-01	2.8260E-02	2.0640E-01	2.0630E-02	1.4610E-01	8.7750E-02	2.5440E-01
PSI(BOXER)	3.0646E-02	1.4737E-01	2.6052E-02	2.0407E-01	2.1834E-02	1.4920E-01	8.4199E-02	2.5523E-01
PSI(DANDE)	2.8647E-02	1.4490E-01	2.5728E-02	1.9928E-01	2.0234E-02	1.4477E-01	7.9615E-02	2.4461E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.9520E-02	1.4640E-01	3.3760E-02	2.0970E-01	2.0820E-02	1.4400E-01	9.3590E-02	2.5840E-01
TUBS(DATUBS5)	2.9510E-02	1.3740E-01	3.2680E-02	1.9960E-01	2.0500E-02	1.3580E-01	9.0760E-02	2.4710E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU242 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.2300E-03	0.0	0.0	6.2300E-03	4.2700E-03	0.0	0.0	4.2700E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	6.4035E-03	0.0	0.0	6.4035E-03	0.0	0.0	0.0	0.0
HITACHI(84)	6.2710E-03	0.0	0.0	6.2710E-03	4.3290E-03	0.0	0.0	4.3290E-03
HITACHI(J2)	6.2280E-03	9.0670E-05	3.4170E-05	6.3530E-03	4.3930E-03	5.9890E-05	4.3490E-05	4.4960E-03
IKE	6.3217E-03	8.8324E-05	2.8668E-05	6.4387E-03	4.4840E-03	5.8811E-05	3.7475E-05	4.5803E-03
JAERI(SRAC)	6.1992E-03	9.0828E-05	3.1913E-05	6.3218E-03	4.3760E-03	6.1167E-05	4.2622E-05	4.4797E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.6978E-03	4.1987E-05	1.3900E-08	6.7397E-03	4.8106E-03	3.0157E-05	2.1572E-08	4.8407E-03
KFK(1985LIB.)	5.5563E-03	3.5412E-05	1.0248E-08	5.5918E-03	3.6586E-03	2.3666E-05	1.5152E-08	3.6823E-03
MAPI-CRC	6.5230E-03	8.8730E-05	3.0350E-05	6.6420E-03	4.5610E-03	6.0100E-05	4.1700E-05	4.6630E-03
NAIG	6.5634E-03	8.7200E-05	3.2800E-05	6.6830E-03	4.5077E-03	5.8900E-05	4.3700E-05	4.6100E-03
PNC	6.4670E-03	8.9850E-05	8.2330E-05	6.6390E-03	4.5590E-03	6.2280E-05	9.7960E-05	4.7190E-03
PSI(BOXER)	5.6983E-03	0.0	0.0	5.6983E-03	3.8007E-03	0.0	0.0	3.8007E-03
PSI(DANDE)	5.8128E-03	8.2214E-05	3.4457E-05	5.9295E-03	4.0581E-03	5.4821E-05	4.3120E-05	4.1560E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	5.8130E-03	7.7790E-05	2.0130E-08	5.8910E-03	4.1060E-03	5.2130E-05	4.1570E-08	4.1580E-03
TUBS(DATUBS5)	5.9600E-03	9.2560E-05	2.4960E-05	6.0770E-03	4.2620E-03	6.4990E-05	3.2250E-05	4.3590E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF AM241 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.4100E-03	9.4900E-05	4.9200E-05	1.5600E-03	1.0200E-03	7.4600E-05	9.3400E-05	1.1800E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.2539E-03	5.6187E-04	6.0878E-05	1.8774E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.5720E-03	1.2150E-04	6.1240E-05	1.7550E-03	1.1200E-03	9.8670E-05	1.1430E-04	1.3330E-03
HITACHI(J2)	1.5430E-03	1.2090E-04	6.1350E-05	1.7250E-03	1.1090E-03	9.7230E-05	1.1290E-04	1.3190E-03
IKE	1.4334E-03	1.1128E-04	8.8594E-05	1.6333E-03	1.0104E-03	9.0062E-05	1.5982E-04	1.2603E-03
JAERI(SRAC)	1.5657E-03	1.1676E-04	5.9840E-05	1.7423E-03	1.1128E-03	9.3922E-05	1.1076E-04	1.3175E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.5014E-03	1.0480E-04	7.4099E-05	1.6803E-03	1.0369E-03	8.5970E-05	1.4167E-04	1.2643E-03
KFK(1985LIB.)	1.4922E-03	1.0352E-04	6.7260E-05	1.6630E-03	1.0296E-03	8.5157E-05	1.3177E-04	1.2465E-03
MAPI-CRC	1.7560E-03	1.3090E-04	7.0980E-05	1.9580E-03	1.2560E-03	1.0300E-04	1.2630E-04	1.4860E-03
NAIG	1.3433E-03	5.8600E-04	6.9900E-05	1.9990E-03	9.2180E-04	3.8420E-04	1.2380E-04	1.4300E-03
PNC	1.7970E-03	1.3730E-04	7.4390E-05	2.0080E-03	1.2640E-03	1.0920E-04	1.3540E-04	1.5090E-03
PSI(BOXER)	1.4166E-03	5.8927E-04	6.1633E-05	2.0675E-03	9.8684E-04	3.8626E-04	1.1724E-04	1.4903E-03
PSI(DANDE)	1.3261E-03	1.0999E-04	8.2923E-05	1.5190E-03	9.4569E-04	8.9484E-05	1.5348E-04	1.1887E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.4630E-03	1.0120E-04	5.2340E-05	1.6160E-03	1.0430E-03	7.8800E-05	9.8350E-05	1.2200E-03
TUBS(DATUBS5)	1.4120E-03	1.0950E-04	8.1740E-05	1.6040E-03	9.9620E-04	9.0200E-05	1.4850E-04	1.2350E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF AM243 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.7200E-03	2.8800E-06	0.0	1.7300E-03	1.3500E-03	1.8300E-06	0.0	1.3500E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.5405E-03	0.0	0.0	1.5405E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.7390E-03	6.5850E-05	6.7850E-05	1.8730E-03	1.3390E-03	5.7760E-05	1.0100E-04	1.4980E-03
HITACHI(J2)	1.6900E-03	6.4720E-05	6.8150E-05	1.8230E-03	1.3350E-03	5.7360E-05	9.9530E-05	1.4920E-03
IKE	1.4507E-03	1.4585E-05	1.5334E-05	1.4806E-03	1.1525E-03	1.2958E-05	2.2590E-05	1.1880E-03
JAERI(SRAC)	1.7428E-03	6.3445E-05	6.8734E-05	1.8749E-03	1.3488E-03	5.6679E-05	1.0114E-04	1.5066E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.5639E-03	6.2711E-06	1.1268E-07	1.5703E-03	1.1475E-03	4.0441E-06	1.7883E-07	1.1517E-03
KFK(1985LIB.)	2.2669E-03	9.0937E-06	1.4461E-07	2.2762E-03	1.7952E-03	6.3583E-06	2.5840E-07	1.8018E-03
MAPI-CRC	1.6570E-03	6.1670E-05	6.6290E-05	1.7850E-03	1.3380E-03	5.6310E-05	9.7990E-05	1.4930E-03
NAIG	1.5951E-03	0.0	0.0	1.5950E-03	1.2461E-03	0.0	0.0	1.2460E-03
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	2.2548E-03	0.0	0.0	2.2548E-03	1.7843E-03	0.0	0.0	1.7843E-03
PSI(DANDE)	1.4748E-03	1.6230E-05	1.6400E-05	1.5074E-03	1.1667E-03	1.4367E-05	2.4138E-05	1.2052E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.5950E-03	0.0	0.0	1.5950E-03	1.2630E-03	0.0	0.0	1.2630E-03
TUBS(DATUBS5)	1.6220E-03	0.0	0.0	1.6220E-03	1.2860E-03	0.0	0.0	1.2860E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF CM244 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.5400E-03	2.6200E-04	1.7500E-06	1.8000E-03	1.4100E-03	3.1900E-04	4.9600E-06	1.7400E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.5241E-03	6.7529E-04	2.9324E-06	2.2027E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.3900E-03	2.5330E-04	5.3090E-06	1.6490E-03	1.1720E-03	2.7350E-04	1.2580E-05	1.4580E-03
HITACHI(J2)	1.3330E-03	2.4890E-04	5.3180E-06	1.5870E-03	1.1420E-03	2.6740E-04	1.2420E-05	1.4210E-03
IKE	1.4081E-03	2.9050E-04	3.1835E-06	1.7018E-03	1.2465E-03	3.1902E-04	8.5999E-06	1.5741E-03
JAERI(SRAC)	1.3702E-03	2.4758E-04	5.4068E-06	1.6231E-03	1.1945E-03	2.7540E-04	1.2879E-05	1.4827E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.4244E-03	2.5552E-04	2.5607E-06	1.6825E-03	1.2015E-03	2.8358E-04	7.1802E-06	1.4922E-03
KFK(1985LIB.)	2.0117E-03	3.5295E-04	3.2748E-06	2.3679E-03	1.8584E-03	4.2592E-04	1.0409E-05	2.2947E-03
MAPI-CRC	1.2840E-03	2.6980E-04	4.7180E-06	1.5590E-03	1.1430E-03	3.0380E-04	1.1360E-05	1.4580E-03
NAIG	1.2292E-03	5.2800E-04	3.3000E-06	1.7610E-03	1.0907E-03	6.6200E-04	7.8000E-06	1.7610E-03
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	1.8609E-03	5.8633E-04	4.6001E-06	2.4518E-03	1.6859E-03	8.1939E-04	1.1482E-05	2.5168E-03
PSI(DANDE)	1.3816E-03	2.7349E-04	3.1104E-06	1.6582E-03	1.2039E-03	3.0810E-04	8.3155E-06	1.5203E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.1470E-03	5.0770E-04	3.2060E-06	1.6580E-03	1.0510E-03	6.5740E-04	7.9070E-06	1.7160E-03
TUBS(DATUBS5)	1.1230E-03	4.8910E-04	2.9450E-06	1.6150E-03	1.0350E-03	6.4030E-04	7.2820E-06	1.6830E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF MO95 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.1800E-04	2.4200E-03	3.3400E-05	2.5700E-03	7.3800E-05	2.2000E-03	7.0300E-05	2.3500E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.1420E-04	2.7020E-03	4.0750E-05	2.8570E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.2390E-04	2.2730E-03	3.2980E-05	2.4260E-03	7.6920E-05	2.0770E-03	7.1640E-05	2.2260E-03
HITACHI(J2)	1.2270E-04	2.4190E-03	3.3720E-05	2.5760E-03	7.6710E-05	2.0600E-03	7.2240E-05	2.2090E-03
IKE	1.1386E-04	2.4559E-03	2.8767E-05	2.5985E-03	7.1431E-05	2.1996E-03	6.4180E-05	2.3352E-03
JAERI(SRAC)	1.2653E-04	2.4173E-03	3.2477E-05	2.5763E-03	7.9647E-05	2.1724E-03	7.2098E-05	2.3241E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.1627E-04	2.3588E-03	3.2111E-05	2.5071E-03	7.3137E-05	2.1316E-03	7.2766E-05	2.2775E-03
KFK(1985LIB.)	1.1619E-04	2.2178E-03	2.8823E-05	2.3628E-03	7.2939E-05	1.9999E-03	6.7670E-05	2.1405E-03
MAPI-CRC	2.9840E-06	2.6070E-03	3.9890E-05	2.6490E-03	1.8820E-06	2.3100E-03	8.2630E-05	2.3950E-03
NAIG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PNC	3.0360E-06	2.7160E-03	4.1300E-05	2.7600E-03	1.9210E-06	2.4290E-03	8.7830E-05	2.5190E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	1.1017E-04	2.1814E-03	3.1196E-05	2.3228E-03	6.9009E-05	1.9519E-03	6.6397E-05	2.0873E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.1192E-04	2.0555E-03	2.9223E-05	2.1967E-03	7.0149E-05	1.9789E-03	6.9085E-05	2.1182E-03
TUBS(DATUBS5)	1.1122E-04	1.9630E-03	2.6798E-05	2.1010E-03	6.9800E-05	1.9115E-03	6.3355E-05	2.0446E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF TC99 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.2600E-04	4.7300E-03	1.3200E-04	5.1800E-03	1.9700E-04	5.2400E-03	2.1600E-04	5.6500E-03
CEA	0.0	3.2974E+00	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.3780E-04	5.0190E-03	3.8440E-05	5.2950E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	3.3000E-04	5.7290E-03	1.4830E-04	4.9630E-03	2.0260E-04	6.7620E-03	2.4000E-04	5.0960E-03
HITACHI(J2)	3.2640E-04	4.4540E-03	1.5020E-04	4.9300E-03	2.0190E-04	4.6670E-03	2.4090E-04	5.1090E-03
IKE	3.0728E-04	4.7621E-03	1.3246E-04	5.2018E-03	1.9046E-04	4.8854E-03	2.1882E-04	5.2946E-03
JAERI(SRAC)	3.1621E-04	4.4963E-03	1.3718E-04	4.9496E-03	1.9627E-04	4.6851E-03	2.2777E-04	5.1091E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.9044E-04	5.1757E-03	1.1999E-04	5.5861E-03	1.7866E-04	5.4451E-03	2.0591E-04	5.8296E-03
KFK(1985LIB.)	3.0323E-04	4.6135E-03	1.0881E-04	5.0256E-03	1.8427E-04	5.0322E-03	1.9299E-04	5.4094E-03
MAPI-CRC	1.2070E-06	3.1450E-02	1.4230E-04	4.5810E-03	7.6470E-07	4.9360E-02	2.3740E-04	4.2200E-03
NAIG	3.2030E-04	4.9110E-03	1.4150E-04	5.3730E-03	1.9780E-04	5.0903E-03	2.3010E-04	5.5180E-03
PNC	1.2330E-06	2.2920E-02	1.4500E-04	4.9290E-03	7.7720E-07	3.9960E-02	2.4620E-04	4.5770E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	2.8796E-04	5.3031E-03	1.2323E-04	5.7143E-03	1.7766E-04	5.3604E-03	2.0220E-04	5.7403E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.2670E-04	4.6257E-03	1.5022E-04	5.0026E-03	1.4121E-04	4.9503E-03	2.4848E-04	5.3400E-03
TUBS(DATUBS5)	2.2563E-04	4.4947E-03	1.4026E-04	4.8606E-03	1.4067E-04	4.8467E-03	2.3337E-04	5.2208E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF RU101 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.0400E-04	2.9200E-03	1.1200E-05	3.3400E-03	2.5000E-04	2.6300E-03	2.2800E-05	2.9000E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	3.8700E-04	3.2580E-03	1.2490E-05	3.6580E-03	2.4180E-04	2.7720E-03	2.5980E-05	3.0400E-03
HITACHI(J2)	3.8420E-04	3.2790E-03	1.2740E-05	3.6760E-03	2.4190E-04	2.7450E-03	2.6170E-05	3.0130E-03
IKE	3.9429E-04	3.0566E-03	1.1562E-05	3.4624E-03	2.4395E-04	2.6996E-03	2.3614E-05	2.9671E-03
JAERI(SRAC)	3.9972E-04	3.4877E-03	1.2860E-05	3.9003E-03	2.5352E-04	3.0086E-03	2.7059E-05	3.2892E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.2971E-04	3.1415E-03	1.1792E-05	3.5830E-03	2.6679E-04	2.8211E-03	2.5593E-05	3.1134E-03
KFK(1985LIB.)	4.2761E-04	3.2161E-03	1.0482E-05	3.6543E-03	2.6534E-04	2.9322E-03	2.3539E-05	3.2211E-03
MAPI-CRC	1.9790E-11	2.0130E-03	1.3940E-05	2.0270E-03	1.2120E-11	1.8150E-03	2.7600E-05	1.8430E-03
NAIG	3.7930E-04	3.3692E-03	1.1900E-05	3.7600E-03	2.3840E-04	2.8781E-03	2.4600E-05	3.1410E-03
PNC	1.9890E-11	2.0900E-03	1.4440E-05	2.1050E-03	1.2250E-11	1.9000E-03	2.9320E-05	1.9290E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	4.2405E-04	3.2104E-03	1.1795E-05	3.6463E-03	2.6317E-04	2.8202E-03	2.4186E-05	3.1076E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.3316E-04	2.9410E-03	1.0883E-05	3.2851E-03	2.0224E-04	2.6297E-03	2.3690E-05	2.8556E-03
TUBS(DATUBS5)	3.3178E-04	2.8182E-03	1.0021E-05	3.1600E-03	2.0173E-04	2.5433E-03	2.1823E-05	2.7668E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF RH103 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.7600E-04	1.4700E-03	4.9200E-03	6.7600E-03	2.1500E-04	9.8000E-04	7.7300E-03	8.9200E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.3490E-04	1.5080E-03	4.3740E-03	6.2160E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	4.0190E-04	1.4890E-03	4.5380E-03	6.4280E-03	2.3230E-04	1.0050E-03	7.3660E-03	8.6030E-03
HITACHI(J2)	3.9800E-04	1.4990E-03	4.6620E-03	6.5590E-03	2.3160E-04	1.0010E-03	7.4140E-03	8.6470E-03
IKE	3.4303E-04	1.5077E-03	4.6000E-03	6.4507E-03	1.9810E-04	1.0184E-03	7.3846E-03	8.6012E-03
JAERI(SRAC)	3.8979E-04	1.4409E-03	4.4074E-03	6.2381E-03	2.2728E-04	9.7250E-04	7.1513E-03	8.3510E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.4048E-04	1.4333E-03	3.8254E-03	5.5992E-03	1.9675E-04	9.6990E-04	6.5722E-03	7.7389E-03
KFK(1985LIB.)	3.8150E-04	1.4851E-03	3.3232E-03	5.1898E-03	2.2172E-04	1.0133E-03	5.8881E-03	7.1231E-03
MAPI-CRC	3.5820E-12	4.8130E-04	4.3690E-03	4.8510E-03	2.0280E-12	3.3310E-04	6.7310E-03	7.0640E-03
NAIG	3.8720E-04	1.4277E-03	5.1699E-03	6.9850E-03	2.2310E-04	9.5230E-04	7.9960E-03	9.1710E-03
PNC	3.6480E-12	5.0450E-04	4.2820E-03	4.7870E-03	2.0720E-12	3.5080E-04	6.8280E-03	7.1790E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	3.4558E-04	1.4635E-03	4.4880E-03	6.2970E-03	1.9880E-04	9.7651E-04	7.2753E-03	8.4506E-03
STUDSVIK	0.0	0.0	0.0	4.2700E-03	0.0	0.0	0.0	6.5100E-03
TUBS(DATUBS4)	3.4755E-04	1.5847E-03	4.7059E-03	6.6381E-03	2.0185E-04	1.0815E-03	7.6013E-03	8.8847E-03
TUBS(DATUBS5)	3.4676E-04	1.5913E-03	4.4356E-03	6.3736E-03	2.0216E-04	1.0883E-03	7.2548E-03	8.5453E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PD105 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.5600E-04	2.5100E-03	3.9800E-05	3.0000E-03	2.8600E-04	2.1900E-03	8.4400E-05	2.5600E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.0240E-01	2.8360E-03	5.3290E-05	3.3350E-03	0.0	2.3680E-03	1.2000E-04	2.7670E-03
HITACHI(J2)	4.4190E-04	2.8150E-03	5.4380E-05	3.3120E-03	2.7880E-04	2.3480E-03	1.2090E-04	2.7480E-03
IKE	4.4703E-04	2.8193E-03	4.5240E-05	3.3116E-03	2.8092E-04	2.3794E-03	1.1007E-04	2.7704E-03
JAERI(SRAC)	4.4397E-04	2.7522E-03	5.0743E-05	3.2469E-03	2.8039E-04	2.3519E-03	1.1632E-04	2.7486E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.0173E-04	2.4142E-03	3.7660E-05	2.8536E-03	2.5121E-04	2.0541E-03	9.7582E-05	2.4029E-03
KFK(1985LIB.)	4.0780E-04	2.1815E-03	3.1356E-05	2.6207E-03	2.5464E-04	1.9168E-03	7.3211E-05	2.2446E-03
MAPI-CRC	5.4290E-01	1.6340E-03	2.7930E-05	1.6640E-03	0.0	1.5180E-03	5.8690E-05	1.5780E-03
NAIG	4.4140E-04	2.7905E-03	5.1000E-05	3.2830E-03	2.7690E-04	2.3579E-03	1.1370E-04	2.7490E-03
PNC	4.9960E-01	1.7120E-03	2.9300E-05	1.7440E-03	0.0	1.6030E-03	6.3090E-05	1.6680E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	4.4606E-04	2.7416E-03	4.2641E-05	3.2303E-03	2.7897E-04	2.2931E-03	1.0370E-04	2.6758E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	4.4404E-04	2.4272E-03	3.6055E-05	2.9073E-03	2.8295E-04	2.1560E-03	8.4813E-05	2.5238E-03
TUBS(DATUBS5)	4.4023E-04	2.3431E-03	3.3024E-05	2.8163E-03	2.8121E-04	2.0943E-03	7.7777E-05	2.4532E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PD107 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.8300E-04	1.6500E-03	1.8700E-05	1.9500E-03	1.8000E-04	1.3700E-03	4.0700E-05	1.6000E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	3.0310E-04	2.1040E-03	5.5880E-06	2.4130E-03	1.9540E-04	1.7970E-03	1.0290E-05	2.0020E-03
HITACHI(J2)	2.9930E-04	2.1420E-03	5.5930E-06	2.4460E-03	1.9450E-04	1.7910E-03	1.0320E-06	1.9960E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	2.8944E-04	2.0034E-03	5.1467E-06	2.2980E-03	1.8786E-04	1.7067E-03	9.7337E-06	1.9043E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.4156E-04	1.7651E-03	4.4282E-06	2.0110E-03	1.5379E-04	1.5002E-03	8.3684E-06	1.6624E-03
KFK(1985LIB.)	2.1565E-04	1.2721E-03	1.2529E-05	1.5003E-03	1.3746E-04	1.0732E-03	3.0191E-05	1.2408E-03
MAPI-CRC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NAIG	3.0250E-04	2.1662E-03	5.5000E-06	2.4740E-03	1.9490E-04	1.8308E-03	1.0100E-05	2.0360E-03
PNC	0.0	2.2990E-03	3.2450E-06	2.3020E-03	0.0	1.8080E-03	7.4560E-06	1.8150E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	2.8646E-04	1.8151E-03	4.5934E-06	2.1062E-03	1.8119E-04	1.4976E-03	8.1824E-06	1.6870E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.9644E-04	1.3222E-03	1.5819E-05	1.5344E-03	1.2390E-04	1.1471E-03	3.7167E-05	1.3082E-03
TUBS(DATUBS5)	1.9391E-04	1.2699E-03	1.4423E-05	1.4782E-03	1.2276E-04	1.1122E-03	3.3967E-05	1.2689E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PD108 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.0500E-05	2.8100E-03	3.0500E-05	2.9000E-03	3.9100E-05	2.5600E-03	5.2000E-05	2.6500E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	5.4900E-05	2.2050E-03	6.3460E-05	2.3230E-03	3.5190E-05	2.0080E-03	9.1820E-05	0.0
HITACHI(J2)	5.3960E-05	2.1740E-03	6.8440E-05	2.2970E-03	3.4930E-05	1.9720E-03	9.3450E-05	2.1000E-03
IKE	3.6078E-05	2.0568E-03	2.1301E-05	2.1142E-03	2.3994E-05	1.9206E-03	3.6157E-05	1.9807E-03
JAERI(SRAC)	4.8288E-05	2.7360E-03	5.4502E-05	2.8388E-03	3.1846E-05	2.5249E-03	8.1309E-05	2.6381E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.5981E-05	1.7675E-03	2.5521E-05	1.8290E-03	2.2866E-05	1.6024E-03	4.1326E-05	1.6666E-03
KFK(1985LIB.)	4.9691E-05	1.8508E-03	1.7928E-05	1.9184E-03	3.2051E-05	1.6781E-03	3.6501E-05	1.7466E-03
MAPI-CRC	6.3800E-07	1.8690E-03	2.6580E-05	1.8970E-03	4.1500E-07	1.7740E-03	4.5570E-05	0.0
NAIG	5.2600E-05	3.1703E-03	5.9600E-05	3.2830E-03	3.4000E-05	2.8449E-03	8.5200E-05	2.9640E-03
PNC	7.3480E-07	2.9600E-03	2.9950E-05	2.9900E-03	4.6310E-07	2.6280E-03	5.1820E-05	0.0
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	3.7570E-05	1.9384E-03	2.6194E-05	2.0022E-03	2.3883E-05	1.7448E-03	4.1228E-05	1.8099E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.7257E-05	2.1742E-03	2.0266E-05	2.2317E-03	2.3601E-05	1.9675E-03	3.9870E-05	2.0310E-03
TUBS(DATUBS5)	3.6730E-05	2.0444E-03	1.8672E-05	2.0998E-03	2.3328E-05	1.8836E-03	3.6801E-05	1.9437E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF AG109 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.0500E-04	4.5700E-03	1.9600E-04	4.8700E-03	6.0300E-05	5.0400E-03	2.8700E-04	5.3800E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	7.3530E-05	3.6920E-03	1.8530E-04	3.9500E-03	4.3550E-05	4.1000E-03	2.7470E-04	4.4180E-03
HITACHI(J2)	7.2570E-05	3.6560E-03	1.8660E-04	3.9160E-03	4.3290E-05	4.0660E-03	2.7440E-04	4.3840E-03
IKE	8.5414E-05	3.8094E-03	1.5874E-04	4.0535E-03	5.0776E-05	4.1892E-03	2.3932E-04	4.4793E-03
JAERI(SRAC)	6.7678E-05	3.4998E-03	1.6416E-04	3.7316E-03	4.0409E-05	3.9054E-03	2.4965E-04	4.1954E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	8.4578E-05	3.4391E-03	1.5097E-04	3.6746E-03	4.9396E-05	3.7899E-03	2.3414E-04	4.0734E-03
KFK(1985LIB.)	8.0949E-05	3.6015E-03	1.3499E-04	3.8175E-03	4.6553E-05	3.9545E-03	2.1397E-04	4.2150E-03
MAPI-CRC	1.2110E-12	3.9080E-03	1.6090E-04	4.0690E-03	7.1410E-13	4.1620E-03	2.3830E-04	4.4000E-03
NAIG	7.6100E-05	4.5355E-03	1.8840E-04	4.8000E-03	4.4300E-05	4.8623E-03	2.7540E-04	5.1820E-03
PNC	1.3180E-12	4.3770E-03	1.7930E-04	4.5560E-03	7.6470E-13	4.5840E-03	2.6300E-04	4.8470E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	9.8639E-05	4.5333E-03	1.8107E-04	4.8130E-03	5.8851E-05	4.8563E-03	2.7404E-04	5.1892E-03
STUDSVIK	0.0	0.0	0.0	3.4400E-03	0.0	0.0	0.0	3.8100E-03
TUBS(DATUBS4)	5.8415E-05	3.9560E-03	2.6419E-04	4.2786E-03	3.2379E-05	4.0941E-03	3.6273E-04	4.4892E-03
TUBS(DATUBS5)	5.7551E-05	3.7955E-03	2.4475E-04	4.0978E-03	3.2012E-05	3.9813E-03	3.3972E-04	4.3530E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF XE131 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.5000E-05	7.4100E-03	1.3800E-04	7.6000E-03	2.5400E-05	7.8200E-03	2.6200E-04	8.1000E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	5.2550E-05	5.8940E-03	1.6360E-04	6.1100E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	7.3900E-05	5.6930E-03	1.6230E-04	5.9290E-03	4.4270E-05	5.7970E-03	3.1620E-04	6.1580E-03
HITACHI(J2)	7.3410E-05	5.5840E-03	1.6600E-04	5.8240E-03	4.4450E-05	5.8350E-03	3.2020E-04	6.2000E-03
IKE	4.8131E-05	7.0453E-03	1.3302E-04	7.2264E-03	2.8945E-05	7.3356E-03	2.6148E-04	7.6260E-03
JAERI(SRAC)	6.5422E-05	5.8255E-03	1.4776E-04	6.0386E-03	4.0052E-05	6.0658E-03	2.9030E-04	6.3961E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.8738E-05	5.6328E-03	1.5171E-04	5.8432E-03	3.5301E-05	6.0795E-03	3.1542E-04	6.4302E-03
KFK(1985LIB.)	5.0052E-05	7.8873E-03	1.2594E-04	8.0633E-03	2.9363E-05	8.5614E-03	2.6239E-04	8.8530E-03
MAPI-CRC	4.0380E-06	6.0420E-03	1.6070E-04	6.2070E-03	2.5290E-06	5.9590E-03	3.1330E-04	6.2750E-03
NAIG	6.2400E-05	7.1148E-03	1.3350E-04	7.3110E-03	3.7600E-05	7.3393E-03	2.5880E-04	7.6360E-03
PNC	3.7490E-06	7.6180E-03	1.4990E-04	7.7720E-03	2.3520E-06	7.5270E-03	3.0160E-04	7.8310E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	4.6489E-05	6.9232E-03	1.4120E-04	7.1109E-03	2.6924E-05	7.3717E-03	2.7341E-04	7.6720E-03
STUDSVIK	0.0	0.0	0.0	7.1300E-03	0.0	0.0	0.0	7.4300E-03
TUBS(DATUBS4)	5.7913E-05	6.1189E-03	1.4553E-04	6.3224E-03	3.3840E-05	6.4317E-03	2.9828E-04	6.7638E-03
TUBS(DATUBS5)	5.8675E-05	5.7510E-03	1.3656E-04	5.9462E-03	3.4195E-05	6.1966E-03	2.7886E-04	6.5096E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF XE135 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.0400E-09	2.5600E-07	1.0100E-03	1.0100E-03	5.7300E-10	2.6500E-07	3.6400E-03	3.6400E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	9.3570E-10	2.5190E-07	1.4340E-03	1.4340E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.4150E-08	3.1410E-07	1.2830E-03	1.1990E-03	7.6870E-09	2.8230E-07	0.0	4.1660E-03
HITACHI(J2)	1.3950E-08	3.0990E-07	1.2700E-03	1.2710E-03	7.6160E-09	2.8090E-07	4.2270E-03	4.2270E-03
IKE	9.8265E-10	2.5424E-07	1.1564E-03	1.1567E-03	5.4295E-10	2.5523E-07	3.9849E-03	3.9851E-03
JAERI(SRAC)	1.3603E-08	2.9107E-07	1.0839E-03	1.0842E-03	7.5110E-09	2.7105E-07	3.9741E-03	3.9744E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	9.6715E-08	2.1024E-07	1.0486E-03	1.0488E-03	5.3234E-10	2.2017E-07	3.9412E-03	3.9414E-03
KFK(1985LIB.)	9.6691E-10	2.1803E-07	9.8006E-04	9.8028E-04	5.3323E-10	2.3023E-07	3.7537E-03	3.7539E-03
MAPI-CRC	8.7050E-14	2.2950E-07	9.9500E-03	1.0420E-03	9.6950E-14	2.2600E-07	0.0	3.7450E-03
NAIG	0.0	3.0000E-07	1.0346E-03	1.0350E-03	0.0	3.0000E-07	3.7748E-03	3.7750E-03
PNC	9.3280E-15	2.0360E-07	0.0	9.7240E-04	6.1820E-14	2.0330E-07	0.0	3.6080E-03
PSI(BOXER)	9.5067E-10	2.2547E-07	1.0324E-03	1.0326E-03	5.3601E-10	2.3305E-07	3.7541E-03	3.7543E-03
PSI(DANDE)	9.9243E-10	2.5071E-07	1.0366E-03	1.0368E-03	5.5195E-10	2.4842E-07	3.6796E-03	3.6798E-03
STUDSVIK	0.0	0.0	0.0	1.1800E-03	0.0	0.0	0.0	4.1100E-03
TUBS(DATUBS4)	9.1076E-10	2.9231E-07	9.3016E-04	9.3045E-04	5.1221E-10	3.1256E-07	3.4570E-03	3.4573E-03
TUBS(DATUBS5)	9.0786E-10	2.7887E-07	8.3137E-04	8.3165E-04	5.1600E-10	3.0552E-07	3.1585E-03	3.1588E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF CS133 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.4400E-04	6.4600E-03	1.5400E-04	6.8600E-03	1.5000E-04	6.7800E-03	2.7600E-04	7.2100E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.5040E-04	6.1550E-03	7.0750E-05	6.4760E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	2.2340E-04	6.3210E-03	1.7040E-04	6.7650E-03	1.3620E-04	6.3410E-03	2.9980E-04	6.7770E-03
HITACHI(J2)	2.2050E-04	6.1860E-03	1.7260E-04	6.5790E-03	1.3580E-04	6.4400E-03	3.0120E-04	6.8770E-03
IKE	2.2694E-04	6.9436E-03	1.5912E-04	7.3297E-03	1.3936E-04	7.2600E-03	2.8186E-04	7.6813E-03
JAERI(SRAC)	2.1255E-04	6.4915E-03	1.5526E-04	6.8593E-03	1.3100E-04	6.7257E-03	2.7993E-04	7.1365E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.2459E-04	6.6096E-03	1.3559E-04	6.9674E-03	1.3801E-04	6.9373E-03	2.5974E-04	7.3350E-03
KFK(1985LIB.)	2.3142E-04	6.3796E-03	1.2840E-04	6.7394E-03	1.4261E-04	6.6903E-03	2.5293E-04	7.0858E-03
MAPI-CRC	5.4370E-06	7.2810E-03	1.5320E-04	7.4400E-03	3.4670E-06	6.8840E-03	2.7480E-04	7.1630E-03
NAIG	2.1840E-04	6.5505E-03	1.4510E-04	6.9140E-03	1.3420E-04	6.6347E-03	2.6440E-04	7.0330E-03
PNC	5.4460E-06	8.5040E-03	1.5350E-04	8.6630E-03	3.4560E-06	8.1070E-03	2.8140E-04	8.3920E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	2.2690E-04	6.5771E-03	1.4069E-04	6.9447E-03	1.3973E-04	6.8685E-03	2.5636E-04	7.0646E-03
STUDSVIK	0.0	0.0	0.0	7.2500E-03	0.0	0.0	0.0	7.3200E-03
TUBS(DATUBS4)	2.6568E-04	5.9664E-03	1.5624E-04	6.3883E-03	1.6595E-04	6.0466E-03	2.9325E-04	6.5058E-03
TUBS(DATUBS5)	2.6426E-04	5.7964E-03	1.4521E-04	6.2059E-03	1.6517E-04	5.9249E-03	2.7303E-04	6.3631E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF CS135 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.3100E-05	2.2400E-03	3.4100E-05	2.3100E-03	1.8400E-05	1.8400E-03	6.4900E-05	1.9200E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	7.9290E-05	1.5570E-03	3.5700E-05	1.6720E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.0530E-04	2.0860E-03	3.4030E-05	2.2260E-03	5.8800E-05	1.5750E-03	6.5700E-05	1.6990E-03
HITACHI(J2)	1.0500E-04	2.1240E-03	3.4750E-05	2.2630E-03	5.8430E-05	1.5840E-03	6.6080E-05	1.7090E-03
IKE	1.1101E-04	2.8514E-03	3.1301E-05	2.9938E-03	6.2255E-05	2.1260E-03	6.2259E-05	2.2505E-03
JAERI(SRAC)	1.0477E-04	2.4138E-03	3.2080E-05	2.5507E-03	5.9074E-05	1.8558E-03	6.3777E-05	1.9787E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.1151E-04	2.6059E-03	2.9125E-05	2.7465E-03	6.2260E-05	1.9728E-03	6.1432E-05	2.0965E-03
KFK(1985LIB.)	3.0860E-05	2.1229E-03	2.8006E-05	2.1817E-03	1.7021E-05	1.7448E-03	5.8786E-05	1.8206E-03
MAPI-CRC	4.1780E-06	3.3420E-03	3.2960E-05	3.3790E-03	2.3980E-06	2.2640E-03	6.2760E-05	2.3300E-03
NAIG	1.0620E-04	2.5134E-03	3.2900E-05	2.6520E-03	5.9400E-05	1.9226E-03	6.3500E-05	2.0460E-03
PNC	4.2750E-06	3.6070E-03	3.3900E-05	3.6460E-03	2.4590E-06	2.4440E-03	6.6690E-05	2.5130E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	1.1430E-04	2.4442E-03	3.0455E-05	2.5890E-03	6.4259E-05	1.8796E-03	6.0818E-05	2.0047E-03
STUDSVIK	0.0	0.0	0.0	3.7100E-03	0.0	0.0	0.0	2.5300E-03
TUBS(DATUBS4)	3.0621E-05	2.2535E-03	3.0013E-05	2.3141E-03	1.7152E-05	1.8663E-03	6.2957E-05	1.9464E-03
TUBS(DATUBS5)	3.0557E-05	2.1512E-03	2.7620E-05	2.2094E-03	1.7247E-05	1.8166E-03	5.8326E-05	1.8922E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF ND143 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.0300E-04	2.0500E-03	5.4700E-04	2.7000E-03	6.2200E-05	1.6100E-03	1.2800E-03	2.9500E-03
CEA	0.0	4.6489E+00	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	7.6470E-05	1.8970E-03	7.1110E-04	2.6850E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.4700E-04	5.5050E-02	7.8970E-04	3.4720E-03	9.3400E-05	0.0	1.9160E-03	4.0140E-03
HITACHI(J2)	1.4390E-04	2.5520E-03	8.0560E-04	3.5010E-03	9.2280E-05	2.0010E-03	1.9270E-03	4.0200E-03
IKE	1.0898E-04	2.0022E-03	5.7056E-04	2.6818E-03	6.9185E-05	1.5684E-03	1.3472E-03	2.9848E-03
JAERI(SRAC)	1.0460E-04	1.9324E-03	5.3683E-04	2.5738E-03	6.6176E-05	1.5210E-03	1.3152E-03	2.9023E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.0855E-04	1.9122E-03	5.0123E-04	2.5220E-03	6.8605E-05	1.4967E-03	1.2718E-03	2.8370E-03
KFK(1985LIB.)	1.0926E-04	1.8527E-03	4.7121E-04	2.4332E-03	6.8324E-05	1.4567E-03	1.2233E-03	2.7483E-03
MAPI-CRC	9.7880E-12	4.2230E-01	6.1250E-04	1.5910E-03	5.8090E-12	0.0	1.4060E-03	2.2230E-03
NAIG	1.0980E-04	1.9849E-03	5.6150E-04	2.6560E-03	6.8800E-05	1.5492E-03	1.3292E-03	2.9470E-03
PNC	9.8010E-12	3.5720E-01	6.3920E-04	1.6570E-03	5.8550E-12	0.0	1.5070E-03	2.3620E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	9.8280E-05	1.8348E-03	5.0201E-04	2.4351E-03	6.0533E-05	1.4325E-03	1.1942E-03	2.6873E-03
STUDSVIK	0.0	0.0	0.0	1.5800E-03	0.0	0.0	0.0	2.2200E-03
TUBS(DATUBS4)	1.1080E-04	2.0285E-03	5.3284E-04	2.6721E-03	6.9559E-05	1.5916E-03	1.3656E-03	3.0268E-03
TUBS(DATUBS5)	1.0942E-04	2.0045E-03	4.8460E-04	2.5986E-03	6.9006E-05	1.5809E-03	1.2467E-03	2.8966E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF ND148 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.9100E-05	2.9800E-04	2.5200E-06	3.3000E-04	1.8400E-05	2.2400E-04	5.3000E-06	2.4700E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	2.5760E-05	1.9740E-04	2.7030E-06	2.2590E-04	1.6060E-05	1.4350E-04	5.7200E-06	1.6530E-04
HITACHI(J2)	2.5420E-05	1.9770E-04	2.7620E-06	2.2590E-04	1.5990E-05	1.4150E-04	5.7680E-06	1.6320E-04
IKE	2.4057E-05	3.1241E-04	2.3977E-06	3.3886E-04	1.5316E-05	2.3233E-04	5.1000E-06	2.5274E-04
JAERI(SRAC)	2.5215E-05	2.1779E-04	2.5336E-06	2.4554E-04	1.5965E-05	1.6197E-04	5.5091E-06	1.8344E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.3632E-05	2.9943E-04	2.3793E-06	3.2544E-04	1.4984E-05	2.1972E-04	5.3707E-06	2.4007E-04
KFK(1985LIB.)	3.0028E-05	2.7369E-04	2.1424E-06	3.0586E-04	1.9412E-05	2.0212E-04	5.0006E-06	2.2653E-04
MAPI-CRC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NAIG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PNC	0.0	2.2060E-04	2.6720E-06	2.2330E-04	0.0	1.6350E-04	5.7830E-06	1.6930E-04
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	2.2286E-05	3.0316E-04	2.4224E-06	3.2786E-04	1.3788E-05	2.2267E-04	6.1500E-06	2.4161E-04
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	4.4030E-05	3.0609E-04	2.2666E-06	3.5239E-04	2.9755E-05	2.3290E-04	5.2841E-06	2.6794E-04
TUBS(DATUBS5)	4.3241E-05	3.0700E-04	2.0746E-06	3.5231E-04	2.9331E-05	2.3376E-04	4.8429E-06	2.6793E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PM147 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.7500E-05	3.9400E-03	1.0500E-04	4.1100E-03	3.8900E-05	4.2000E-03	1.7700E-04	4.4100E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	7.2920E-05	4.2840E-03	1.1430E-04	4.4710E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	7.0410E-05	3.6260E-03	1.2130E-04	3.8180E-03	4.2160E-05	3.8370E-03	2.1040E-04	4.0900E-03
HITACHI(J2)	6.9490E-05	3.6150E-03	1.2350E-04	3.8080E-03	4.1870E-05	3.8350E-03	2.1160E-04	4.0880E-03
IKE	7.0868E-05	3.9380E-03	1.0613E-04	4.1150E-03	4.2127E-05	4.1338E-03	1.8468E-04	4.3606E-03
JAERI(SRAC)	6.3792E-05	3.6078E-03	1.0955E-04	3.7811E-03	3.8455E-05	3.8101E-03	1.9184E-04	4.0403E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	7.0907E-05	3.7377E-03	1.0296E-04	3.9116E-03	4.1639E-05	3.9298E-03	1.8599E-04	4.1574E-03
KFK(1985LIB.)	6.3826E-05	3.8446E-03	8.8751E-05	3.9972E-03	3.6937E-05	4.0464E-03	1.6291E-04	4.2462E-03
MAPI-CRC	2.2800E-06	2.1020E-03	7.8460E-05	2.1830E-03	1.3360E-06	2.1740E-03	1.2460E-04	2.3000E-03
NAIG	6.3600E-05	4.0717E-03	1.0660E-04	4.2420E-03	3.8000E-05	4.2476E-03	1.8350E-04	4.4690E-03
PNC	2.2990E-06	2.3870E-03	7.8920E-05	2.4680E-03	1.3330E-06	2.4770E-03	1.2700E-04	2.6050E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	6.4828E-05	4.0374E-03	9.6113E-05	4.1983E-03	3.8909E-05	4.1607E-03	1.6806E-04	4.3677E-03
STUDSVIK	0.0	0.0	0.0	4.3600E-03	0.0	0.0	0.0	4.4900E-03
TUBS(DATUBS4)	6.6935E-05	3.8764E-03	1.4395E-04	4.0873E-03	4.0422E-05	4.1110E-03	2.4563E-04	4.3970E-03
TUBS(DATUBS5)	6.6925E-05	3.7810E-03	1.3468E-04	3.9826E-03	4.0313E-05	4.0370E-03	2.2993E-04	4.3073E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF SM147 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.0200E-05	1.0600E-03	2.2700E-04	1.3200E-03	2.4500E-05	9.2900E-04	2.7200E-04	1.2300E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	3.8420E-05	1.1640E-03	2.4030E-04	1.4430E-03	2.3840E-05	1.0300E-03	2.8780E-04	1.3420E-03
HITACHI(J2)	3.7850E-05	1.1680E-03	2.4760E-04	1.4530E-03	2.3590E-05	1.0160E-03	2.8390E-04	1.3240E-03
IKE	3.6559E-05	1.0717E-03	2.2256E-04	1.3308E-03	2.2867E-05	9.5246E-03	2.6134E-04	1.2367E-03
JAERI(SRAC)	3.4888E-05	1.0805E-03	2.4291E-04	1.3583E-03	2.1783E-05	9.5399E-04	2.9344E-04	1.2692E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.6249E-05	1.1236E-03	1.9534E-04	1.3552E-03	2.2378E-05	9.9215E-04	2.4474E-04	1.2593E-03
KFK(1985LIB.)	1.8296E-06	1.2844E-03	1.3601E-04	1.4222E-03	1.1641E-06	1.0397E-03	1.8436E-04	1.2253E-03
MAPI-CRC	1.7420E-06	1.2460E-03	1.4840E-04	1.3960E-03	1.1320E-06	9.9360E-04	1.9290E-04	1.1880E-03
NAIG	3.5200E-05	1.1055E-03	2.4270E-04	1.3830E-03	2.1800E-05	9.6620E-04	2.8930E-04	1.2770E-03
PNC	1.8400E-06	1.3230E-03	1.5760E-04	1.4820E-03	1.1860E-06	1.0590E-03	2.0190E-04	1.2620E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	3.5475E-05	1.0519E-03	1.9242E-04	1.2798E-03	2.2396E-05	9.3061E-04	2.3882E-04	1.1918E-03
STUDSVIK	0.0	0.0	0.0	1.1700E-03	0.0	0.0	0.0	1.0700E-03
TUBS(DATUBS4)	2.6272E-05	1.0916E-03	1.7007E-04	1.2897E-03	1.6359E-05	1.0132E-03	2.2516E-04	1.2547E-03
TUBS(DATUBS5)	2.6423E-05	1.0577E-03	1.6223E-04	1.2464E-03	1.6378E-05	9.8650E-04	2.1664E-04	1.2195E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF SM149 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.6500E-05	1.3200E-03	3.7200E-03	5.0900E-03	1.0100E-05	4.3500E-04	5.1000E-03	5.5500E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.6840E-05	9.7670E-04	4.1230E-03	5.1270E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	4.7720E-05	1.4320E-03	4.1680E-03	5.6470E-03	1.0320E-05	4.6920E-04	5.6080E-03	6.0870E-03
HITACHI(J2)	4.6970E-05	1.4450E-03	4.4070E-03	5.8990E-03	1.0080E-05	4.5860E-04	5.6310E-03	6.1000E-03
IKE	4.2339E-05	1.3936E-03	4.0042E-03	4.4917E-03	9.4226E-06	4.5036E-04	5.3687E-03	4.5622E-03
JAERI(SRAC)	4.5778E-05	1.4169E-03	3.8004E-03	5.2630E-03	1.0074E-05	4.6279E-04	5.3142E-03	5.7871E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.8897E-05	1.3368E-03	3.7361E-03	5.1118E-03	8.2113E-06	4.2183E-04	5.1353E-03	5.5654E-03
KFK(1985LIB.)	4.6850E-05	1.2376E-03	3.7275E-03	5.0120E-03	9.5212E-06	3.8652E-04	5.0753E-03	5.4714E-03
MAPI-CRC	8.9310E-14	6.8750E-04	6.0460E-03	6.7330E-03	1.0220E-14	2.1860E-04	6.7160E-03	6.9350E-03
NAIG	4.6700E-05	1.4776E-03	3.6165E-03	5.1410E-03	1.0300E-05	4.8440E-04	5.0695E-03	5.5640E-03
PNC	5.0870E-14	7.0630E-04	6.3420E-03	7.0490E-03	4.8790E-15	2.1440E-04	6.9530E-03	7.1680E-03
PSI(BOXER)	2.5795E-05	9.3235E-04	3.2749E-03	4.2330E-03	5.1238E-06	2.9147E-04	4.1325E-03	4.4291E-03
PSI(DANDE)	4.3318E-05	1.3997E-03	3.7663E-03	5.2094E-03	9.6414E-06	4.5311E-04	5.1517E-03	5.6145E-03
STUDSVIK	0.0	0.0	0.0	6.3500E-03	0.0	0.0	0.0	6.5700E-03
TUBS(DATUBS4)	4.4178E-05	1.3662E-03	4.3144E-03	5.7247E-03	9.9438E-06	4.7067E-04	6.0699E-03	6.5506E-03
TUBS(DATUBS5)	4.6638E-05	1.3952E-03	4.1077E-03	5.5495E-03	1.0579E-05	4.8885E-04	5.8716E-03	6.3710E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF SM150 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.8100E-05	1.3200E-03	3.8400E-05	1.4100E-03	3.6200E-05	1.4900E-03	1.1100E-04	1.6400E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.4920E-05	1.3140E-03	6.3220E-05	1.3920E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	6.8970E-05	1.0540E-03	5.2530E-05	1.1760E-03	4.9520E-05	1.0980E-03	1.4620E-04	1.2930E-03
HITACHI(J2)	6.7950E-05	1.0650E-03	5.3970E-05	1.1870E-03	4.9330E-05	1.1080E-03	1.4800E-04	1.3060E-03
IKE	4.8078E-05	1.4033E-03	4.1545E-05	1.4929E-03	3.5659E-05	1.5347E-03	1.1960E-04	1.6900E-03
JAERI(SRAC)	6.0304E-05	1.3280E-03	4.3670E-05	1.4320E-03	4.5426E-05	1.4609E-03	1.2917E-04	1.6355E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.7701E-05	1.3904E-03	3.7565E-05	1.4756E-03	3.5918E-05	1.5525E-03	1.1830E-04	1.7067E-03
KFK(1985LIB.)	4.7503E-05	1.3157E-03	3.3608E-05	1.3968E-03	3.6374E-05	1.4670E-03	1.1072E-04	1.6141E-03
MAPI-CRC	9.3070E-06	1.5140E-03	7.8270E-05	1.6010E-03	6.8330E-06	1.6780E-03	1.8990E-04	1.8750E-03
NAIG	5.9300E-05	1.3694E-03	4.2400E-05	1.4710E-03	4.4800E-05	1.5093E-03	1.2300E-04	1.6770E-03
PNC	9.9290E-06	1.6480E-03	8.4590E-05	1.7420E-03	7.1690E-06	1.8210E-03	2.0770E-04	2.0360E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	4.5467E-05	1.4677E-03	3.7028E-05	1.5502E-03	3.3927E-05	1.5698E-03	1.0774E-04	1.7114E-03
STUDSVIK	0.0	0.0	0.0	1.8800E-03	0.0	0.0	0.0	1.9100E-03
TUBS(DATUBS4)	5.2487E-05	5.1281E-04	4.2110E-05	6.0741E-04	4.2475E-05	5.2260E-04	1.4327E-04	7.0835E-04
TUBS(DATUBS5)	5.0434E-05	4.8992E-04	3.7258E-05	5.7762E-04	4.1415E-05	5.0916E-04	1.2850E-04	6.7908E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF SM151 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.9300E-05	2.0800E-03	1.1800E-03	3.3400E-03	3.5600E-05	1.6600E-03	2.1400E-03	3.8300E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	7.4820E-05	1.8910E-03	1.0510E-03	3.0170E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	4.5410E-05	2.0030E-03	1.2180E-03	3.2670E-03	2.1130E-05	1.4260E-03	2.2840E-03	3.7310E-03
HITACHI(J2)	4.4830E-05	1.9850E-03	1.2420E-03	3.2720E-03	2.0960E-05	1.4130E-03	2.2850E-03	3.7190E-03
IKE	7.0098E-05	2.2588E-03	1.2463E-03	3.5753E-03	3.3828E-05	1.6547E-03	2.3743E-03	4.0629E-03
JAERI(SRAC)	4.8562E-05	2.0848E-03	1.2102E-03	3.3435E-03	2.3263E-05	1.5481E-03	2.3565E-03	3.9279E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	7.2188E-05	2.2829E-03	1.1514E-03	3.5065E-03	3.3834E-05	1.6552E-03	2.3767E-03	4.0658E-03
KFK(1985LIB.)	7.5330E-05	2.1836E-03	1.0800E-03	3.3389E-03	3.6901E-05	1.6627E-03	2.1752E-03	3.8748E-03
MAPI-CRC	8.3960E-14	1.2200E-03	1.3900E-03	2.6100E-03	3.1320E-14	1.0530E-03	2.5420E-03	3.5950E-03
NAIG	4.7900E-05	2.1386E-03	1.2585E-03	3.4450E-03	2.3000E-05	1.5821E-03	2.3581E-03	3.9630E-03
PNC	4.9850E-14	1.2680E-03	1.4610E-03	2.7300E-03	1.4750E-14	1.0890E-03	2.7130E-03	3.8020E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	7.0159E-05	2.3411E-03	1.1777E-03	3.5889E-03	3.4254E-05	1.7156E-03	2.2828E-03	4.0326E-03
STUDSVIK	0.0	0.0	0.0	3.5600E-03	0.0	0.0	0.0	4.1100E-03
TUBS(DATUBS4)	5.8721E-05	2.0593E-03	8.9367E-04	3.0117E-03	2.8178E-05	1.5103E-03	1.8737E-03	3.4123E-03
TUBS(DATUBS5)	5.9304E-05	2.0211E-03	8.3812E-04	2.9186E-03	2.8777E-05	1.5101E-03	1.7758E-03	3.3146E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF SM152 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.1100E-05	3.6800E-03	1.1500E-04	3.8300E-03	1.8900E-05	4.3400E-03	2.0400E-04	4.5600E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	8.2450E-06	2.9240E-03	1.0680E-04	3.0390E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	2.7040E-05	3.3440E-03	1.2030E-04	3.4910E-03	1.7260E-05	3.9060E-03	2.2560E-04	4.1490E-03
HITACHI(J2)	2.6450E-05	3.3790E-03	1.2150E-04	3.5270E-03	1.7310E-05	3.9450E-03	2.2890E-04	4.2010E-03
IKE	2.5591E-05	3.9300E-03	1.1526E-04	4.0709E-03	1.6204E-05	4.5145E-03	2.1298E-04	4.7437E-03
JAERI(SRAC)	2.6705E-05	3.4266E-03	1.1442E-04	3.5677E-03	1.7609E-05	4.0273E-03	2.2425E-04	4.2691E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.9770E-05	3.4709E-03	1.2615E-04	3.6269E-03	1.8613E-05	4.1740E-03	2.4281E-04	4.4354E-03
KFK(1985LIB.)	3.0829E-05	3.5498E-03	9.9663E-05	3.6803E-03	1.8912E-05	4.2550E-03	1.9567E-04	4.4696E-03
MAPI-CRC	9.3740E-13	2.9990E-03	1.0450E-04	3.1040E-03	6.3570E-13	3.8300E-03	2.0640E-04	4.0370E-03
NAIG	2.4600E-05	3.9172E-03	1.0680E-04	4.0490E-03	1.6100E-05	4.4689E-03	2.0360E-04	4.6890E-03
PNC	8.1520E-13	3.4800E-03	9.3240E-05	3.5740E-03	5.5610E-13	4.4020E-03	1.8810E-04	4.5900E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	2.7884E-05	4.0270E-03	1.0352E-04	4.1585E-03	1.7422E-05	4.5946E-03	1.8963E-04	4.8017E-03
STUDSVIK	0.0	0.0	0.0	4.6300E-03	0.0	0.0	0.0	5.2400E-03
TUBS(DATUBS4)	2.7082E-05	3.4056E-03	1.0575E-04	3.5384E-03	1.6136E-05	4.1232E-03	2.0207E-04	4.3414E-03
TUBS(DATUBS5)	2.6563E-05	3.2997E-03	9.6939E-05	3.4232E-03	1.5823E-05	4.0223E-03	1.8510E-04	4.2233E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF EU153 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2400E-04	2.1100E-03	1.0500E-03	3.2800E-03	8.5200E-05	2.1400E-03	1.5500E-03	3.7700E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.0380E-04	1.9860E-03	9.5680E-04	3.0470E-03	7.1160E-05	1.9550E-03	1.4090E-03	3.4350E-03
HITACHI(J2)	1.0390E-04	2.0150E-03	9.6470E-04	3.0840E-03	7.0880E-05	1.9490E-03	1.3770E-03	3.3960E-03
IKE	1.2270E-04	2.1595E-03	1.0712E-03	3.3534E-03	8.4297E-05	2.1548E-03	1.5235E-03	3.7626E-03
JAERI(SRAC)	1.0393E-04	2.0327E-03	1.0273E-03	3.1639E-03	7.1918E-05	2.0275E-03	1.5350E-03	3.6343E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.1767E-04	1.8997E-03	1.0489E-03	3.0663E-03	8.1996E-05	1.9383E-03	1.5847E-03	3.6050E-03
KFK(1985LIB.)	1.2539E-04	2.0362E-03	1.0219E-03	3.1835E-03	8.6950E-05	2.0662E-03	1.5989E-03	3.7521E-03
MAPI-CRC	1.0730E-05	2.0630E-03	1.0180E-03	3.0910E-03	8.0540E-06	1.9630E-03	1.5990E-03	3.5700E-03
NAIG	1.6010E-04	2.2201E-03	1.0906E-03	3.4710E-03	1.1150E-04	2.1708E-03	1.5933E-03	3.8760E-03
PNC	1.1940E-05	2.3030E-03	1.1360E-03	3.4510E-03	8.9840E-06	2.2220E-03	1.7990E-03	4.0300E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	1.3286E-04	2.2571E-03	1.2228E-03	3.6128E-03	8.9966E-05	2.1750E-03	1.7462E-03	4.0112E-03
STUDSVIK	0.0	0.0	0.0	3.8400E-03	0.0	0.0	0.0	4.3100E-03
TUBS(DATUBS4)	9.1006E-05	1.8758E-03	9.2356E-04	2.8904E-03	6.0625E-05	1.8365E-03	1.5351E-03	3.4322E-03
TUBS(DATUBS5)	9.0446E-05	1.8156E-03	8.6630E-04	2.7724E-03	6.0445E-05	1.7929E-03	1.4591E-03	3.3124E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF EU154 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.6100E-05	1.1000E-03	5.5300E-04	1.7000E-03	3.6800E-05	1.0700E-03	9.3100E-04	2.0400E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	5.8010E-05	9.4080E-04	3.3390E-04	1.3330E-03	3.5420E-05	8.1700E-04	8.6540E-04	1.7180E-03
HITACHI(J2)	5.7590E-05	9.4750E-04	3.4620E-04	1.3510E-03	3.5230E-05	8.1420E-04	8.7410E-04	1.7240E-03
IKE	5.4955E-05	1.1114E-03	5.1661E-04	1.6830E-03	3.5467E-05	1.0535E-03	8.6573E-04	1.9547E-03
JAERI(SRAC)	5.9367E-05	9.8006E-04	3.3140E-04	1.3708E-03	3.7442E-05	8.7992E-04	8.9388E-04	1.8112E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.2414E-05	1.0353E-04	4.4378E-04	1.5315E-03	3.5062E-05	1.0445E-03	8.2343E-04	1.9030E-03
KFK(1985LIB.)	5.5744E-05	1.1079E-03	4.3856E-04	1.6022E-03	3.7736E-05	1.1305E-03	8.3319E-04	2.0015E-03
MAPI-CRC	4.2930E-05	4.4840E-04	3.3750E-04	8.2880E-04	2.7670E-05	4.0540E-04	7.2120E-04	1.1540E-03
NAIG	6.4400E-05	1.0868E-03	3.5100E-04	1.5020E-03	3.9800E-05	9.5520E-04	9.1270E-04	1.9080E-03
PNC	4.8780E-05	5.1320E-04	3.8760E-04	9.4950E-04	3.1400E-05	4.6910E-04	8.5460E-04	1.3550E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	6.1131E-05	1.2521E-03	5.6128E-04	1.8745E-03	3.8978E-05	1.1663E-03	9.4209E-04	2.1474E-03
STUDSVIK	0.0	0.0	0.0	1.6600E-03	0.0	0.0	0.0	2.1700E-03
TUBS(DATUBS4)	5.7138E-05	1.1832E-03	1.7631E-04	1.4167E-03	3.9727E-05	1.2221E-03	4.0857E-04	1.6704E-03
TUBS(DATUBS5)	5.5739E-05	1.1231E-03	1.6190E-04	1.3407E-03	3.9062E-05	1.1759E-03	3.7930E-04	1.5943E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF EU155 (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.2200E-05	6.4700E-04	4.1100E-04	1.1000E-03	2.6800E-05	5.5800E-04	8.4800E-04	1.4300E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	6.6930E-06	1.4700E-04	1.3870E-03	1.5400E-03	2.8770E-06	8.6400E-05	1.9430E-03	2.0320E-03
HITACHI(J2)	6.5850E-06	1.4660E-04	1.3570E-03	1.5100E-03	2.9100E-06	8.7620E-05	1.9950E-03	2.0850E-03
IKE	3.4055E-05	6.6253E-04	5.3378E-04	1.2304E-03	1.7820E-05	5.1843E-04	1.1287E-03	1.6650E-03
JAERI(SRAC)	7.0360E-06	1.6090E-04	1.3987E-03	1.5667E-03	3.1272E-06	9.7506E-05	2.0551E-03	2.1557E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.4632E-05	6.3346E-04	4.9587E-04	1.1640E-03	1.8701E-05	5.2265E-04	1.1229E-03	1.6642E-03
KFK(1985LIB.)	9.8435E-05	9.6742E-04	6.4088E-04	1.7067E-03	5.4516E-05	7.8984E-04	1.3284E-03	2.1728E-03
MAPI-CRC	6.2180E-05	6.4950E-04	4.8880E-04	1.2000E-03	3.6550E-05	5.3550E-04	9.5260E-04	1.5250E-03
NAIG	6.7000E-06	1.5470E-04	1.4628E-03	1.6240E-03	2.9000E-06	9.1300E-05	2.0865E-03	2.1810E-03
PNC	6.7020E-05	7.0480E-04	5.3190E-04	1.3040E-03	3.9600E-05	5.9160E-04	1.0760E-03	1.7080E-03
PSI(BOXER)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(DANDE)	4.1458E-05	7.9988E-04	6.1935E-04	1.4607E-03	2.1635E-05	6.1619E-04	1.2972E-03	1.9350E-03
STUDSVIK	0.0	0.0	0.0	9.0000E-04	0.0	0.0	0.0	1.3000E-03
TUBS(DATUBS4)	3.9905E-05	6.7368E-04	3.7914E-04	1.0927E-03	2.4150E-05	5.5414E-04	8.1301E-04	1.3913E-03
TUBS(DATUBS5)	3.8962E-05	6.4897E-04	3.4410E-04	1.0320E-03	2.3913E-05	5.4307E-04	7.4720E-04	1.3142E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF FP-TOTAL (BURNUP=50GWD/T VOID=0%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.6600E-03	7.1000E-02	1.6100E-02	9.1800E-02	2.8700E-03	6.7100E-02	2.7900E-02	9.7800E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	4.8080E-03	6.9470E-02	1.3960E-02	8.8250E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	4.2600E-03	6.4870E-02	1.8060E-02	8.7170E-02	2.6160E-03	5.9020E-02	3.0210E-02	9.1860E-02
HITACHI(J2)	4.2050E-03	6.4900E-02	1.7980E-02	8.7060E-02	2.6270E-03	5.9300E-02	3.0390E-02	9.2290E-02
IKE	3.5670E-03	6.4552E-02	1.6445E-02	8.4564E-02	2.1937E-03	6.0687E-02	2.8576E-02	9.1457E-02
JAERI(SRAC)	4.5561E-03	6.8417E-02	1.7047E-02	9.0020E-02	2.8425E-03	6.3129E-02	2.9963E-02	9.5934E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.1154E-03	6.5466E-02	1.5373E-02	8.4954E-02	2.5323E-03	6.1547E-02	2.8096E-02	9.2174E-02
KFK(1985LIB.)	3.9930E-03	6.5280E-02	1.4300E-02	8.3572E-02	2.4546E-03	6.2525E-02	2.6480E-02	9.1458E-02
MAPI-CRC	2.2010E-04	6.5880E-02	1.7710E-02	8.3810E-02	1.4020E-04	5.9900E-02	2.8470E-02	8.8510E-02
NAIG	4.4956E-03	7.2029E-02	1.7609E-02	9.4134E-02	2.7787E-03	6.6106E-02	3.0171E-02	9.9056E-02
PNC	1.8680E-04	6.6280E-02	1.7140E-02	8.3610E-02	1.1790E-04	6.0180E-02	2.7880E-02	8.8180E-02
PSI(BOXER)	4.2088E-03	7.8098E-02	1.1920E-02	9.4227E-02	2.5707E-03	7.2363E-02	2.2245E-02	9.7179E-02
PSI(DANDE)	4.4853E-03	7.1901E-02	1.6741E-02	9.3128E-02	2.7526E-03	6.6047E-02	2.8983E-02	9.7783E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	4.1400E-03	6.5150E-02	1.6480E-02	8.5770E-02	2.5790E-03	6.0560E-02	2.9190E-02	9.2330E-02
TUBS(DATUBS5)	4.1020E-03	6.3070E-02	1.5440E-02	8.2610E-02	2.5620E-03	5.9160E-02	2.7580E-02	8.9300E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U235 (BURNUP=0GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.7600E-03	1.0400E-02	7.4600E-04	1.3900E-02	1.9200E-03	1.0400E-02	1.8700E-03	1.4200E-02
CEA	0.0	0.0	0.0	1.3664E-02	0.0	0.0	0.0	0.0
GKSS	2.7560E-03	1.0300E-02	8.9420E-04	1.3950E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	2.7590E-03	1.0680E-02	8.3230E-04	1.4270E-02	1.9170E-03	1.0490E-02	2.0190E-03	1.4430E-02
HITACHI(J2)	2.7560E-03	1.1100E-02	8.2460E-04	1.4680E-02	1.9290E-03	1.0750E-02	2.0470E-03	1.4720E-02
IKE	2.6834E-03	1.0249E-02	7.6988E-04	1.3703E-02	1.8798E-03	1.0286E-02	1.9175E-03	1.4084E-02
JAERI(SRAC)	2.7492E-03	1.0870E-02	7.4676E-04	1.4365E-02	1.9380E-03	1.0906E-02	1.9201E-03	1.4764E-02
JAERI(VIM)	2.7601E-03	1.0685E-02	8.1147E-04	1.4257E-02	1.9335E-03	1.0774E-02	1.9969E-03	1.4704E-02
KFK(NEWEST)	2.6891E-03	9.5991E-03	6.2527E-04	1.2913E-02	1.8987E-03	9.9146E-03	1.7051E-03	1.3518E-02
KFK(1985LIB.)	2.6724E-03	9.5309E-03	5.5972E-04	1.2763E-02	1.8936E-03	9.9346E-03	1.5839E-03	1.3413E-02
MAPI-CRC	2.7820E-03	1.0570E-02	7.9030E-04	1.4150E-02	1.9450E-03	1.0320E-02	1.9160E-03	1.4180E-02
NAIG	2.7494E-03	1.0420E-02	7.5220E-04	1.3922E-02	1.9119E-03	1.0435E-02	1.8621E-03	1.4209E-02
PNC	3.0400E-03	1.0030E-02	7.9130E-04	1.3870E-02	2.0980E-03	1.0020E-02	1.9610E-03	1.4080E-02
PSI(BOXER)	2.8006E-03	1.0350E-02	6.8604E-04	1.3837E-02	1.9479E-03	1.0529E-02	1.8067E-03	1.4284E-02
PSI(DANDE)	2.6943E-03	1.0610E-02	7.9047E-04	1.4095E-02	1.8700E-03	1.0522E-02	1.9657E-03	1.4358E-02
STUDSVIK	0.0	0.0	0.0	1.3840E-02	0.0	0.0	0.0	1.3980E-02
TUBS(DATUBS4)	2.7760E-03	1.0420E-02	7.0660E-04	1.3900E-02	1.9490E-03	1.0610E-02	1.9260E-03	1.4480E-02
TUBS(DATUBS5)	2.7210E-03	1.0130E-02	6.5670E-04	1.3510E-02	1.9170E-03	1.0350E-02	1.7930E-03	1.4060E-02
VA.TECH	2.7550E-03	9.9028E-03	7.6291E-04	1.3421E-02	2.2092E-03	1.0678E-02	1.5623E-03	1.4450E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U238 (BURNUP=0GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.4200E-01	2.5100E-01	2.9000E-03	3.9600E-01	1.0700E-01	2.4400E-01	5.9200E-03	3.5700E-01
CEA	0.0	0.0	0.0	3.8443E-01	0.0	0.0	0.0	0.0
GKSS	1.4670E-01	2.3850E-01	9.0610E-04	3.8600E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.4300E-01	2.3490E-01	3.2110E-03	3.8110E-01	1.0690E-01	2.2970E-01	6.1860E-03	3.4280E-01
HITACHI(J2)	1.4110E-01	2.3040E-01	3.0300E-03	3.7450E-01	1.0660E-01	2.2390E-01	6.0660E-03	3.3650E-01
IKE	1.4472E-01	2.4329E-01	2.8931E-03	3.9090E-01	1.1074E-01	2.3509E-01	5.8222E-03	3.5165E-01
JAERI(SRAC)	1.4422E-01	2.4255E-01	2.9395E-03	3.8971E-01	1.0937E-01	2.3423E-01	6.0200E-03	3.4961E-01
JAERI(VIM)	1.4299E-01	2.4114E-01	3.1012E-03	3.8723E-01	1.0802E-01	2.3124E-01	6.1578E-03	3.4542E-01
KFK(NEWEST)	1.4757E-01	2.3867E-01	2.6172E-03	3.8886E-01	1.1183E-01	2.2713E-01	5.5965E-03	3.4456E-01
KFK(1985LIB.)	1.4580E-01	2.3720E-01	2.2563E-03	3.8526E-01	1.1078E-01	2.2759E-01	5.0595E-03	3.4343E-01
MAPI-CRC	1.4230E-01	2.3860E-01	3.0540E-03	3.8400E-01	1.0740E-01	2.3870E-01	5.9420E-03	3.5200E-01
NAIG	1.5385E-01	2.3228E-01	2.9623E-03	3.8909E-01	1.1374E-01	2.2403E-01	5.9127E-03	3.4368E-01
PNC	1.5900E-01	2.1500E-01	3.0910E-03	3.7710E-01	1.1750E-01	2.1150E-01	6.1300E-03	3.3510E-01
PSI(BOXER)	1.4394E-01	2.3730E-01	2.5312E-03	3.8377E-01	1.0775E-01	2.2736E-01	5.3817E-03	3.4049E-01
PSI(DANDE)	1.3898E-01	2.4253E-01	3.1130E-03	3.8462E-01	1.0415E-01	2.3405E-01	6.1960E-03	3.4439E-01
STUDSVIK	0.0	0.0	0.0	3.8286E-01	0.0	0.0	0.0	3.4148E-01
TUBS(DATUBS4)	1.4800E-01	2.3410E-01	2.8090E-03	3.8490E-01	1.1250E-01	2.2770E-01	5.9970E-03	3.4630E-01
TUBS(DATUBS5)	1.4620E-01	2.4160E-01	2.6410E-03	3.9050E-01	1.1150E-01	2.3580E-01	5.6780E-03	3.5290E-01
VA.TECH	1.4400E-01	2.5757E-01	2.9515E-03	4.0453E-01	1.2314E-01	2.5273E-01	5.2166E-03	3.8109E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU239 (BURNUP=0GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	7.5000E-02	2.3600E-01	4.0100E-02	3.5200E-01	4.6100E-02	2.0800E-01	1.1000E-01	3.6400E-01
CEA	0.0	0.0	0.0	3.5971E-01	0.0	0.0	0.0	0.0
GKSS	7.4820E-02	2.3220E-01	4.4030E-02	3.5100E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	7.4720E-02	2.3980E-01	4.4190E-02	3.5870E-01	4.5850E-02	2.1260E-01	1.1780E-01	3.7630E-01
HITACHI(J2)	7.4940E-02	2.4360E-01	4.4020E-02	3.6250E-01	4.6350E-02	2.1200E-01	1.1760E-01	3.7590E-01
IKE	7.4997E-02	2.3612E-01	4.1412E-02	3.5253E-01	4.6471E-02	2.0844E-01	1.1218E-01	3.6709E-01
JAERI(SRAC)	7.5200E-02	2.4033E-01	3.9073E-02	3.5460E-01	4.6783E-02	2.1224E-01	1.1098E-01	3.7001E-01
JAERI(VIM)	7.5409E-02	2.4075E-01	4.2755E-02	3.5891E-01	4.6677E-02	2.1055E-01	1.1462E-01	3.7184E-01
KFK(NEWEST)	7.2416E-02	2.2828E-01	3.6810E-02	3.3751E-01	4.5172E-02	2.0690E-01	1.0497E-01	3.5704E-01
KFK(1985LIB.)	7.1867E-02	2.2664E-01	3.3724E-02	3.3223E-01	4.4989E-02	2.0732E-01	9.8707E-02	3.5101E-01
MAPI-CRC	7.6340E-02	2.3720E-01	4.2080E-02	3.5560E-01	4.7090E-02	2.0790E-01	1.1060E-01	3.6560E-01
NAIG	7.5798E-02	2.3486E-01	4.2160E-02	3.5281E-01	4.6484E-02	2.0544E-01	1.1345E-01	3.6538E-01
PNC	7.8540E-02	2.4050E-01	4.3250E-02	3.6220E-01	4.7880E-02	2.1070E-01	1.1590E-01	3.7450E-01
PSI(BOXER)	7.6676E-02	2.4147E-01	3.9491E-02	3.5754E-01	4.7040E-02	2.1282E-01	1.0957E-01	3.6943E-01
PSI(DANDE)	7.5249E-02	2.3697E-01	4.3460E-02	3.5588E-01	4.6110E-02	2.0800E-01	1.1622E-01	3.7033E-01
STUDSVIK	0.0	0.0	0.0	3.5104E-01	0.0	0.0	0.0	3.6526E-01
TUBS(DATUBS4)	7.5040E-02	2.4750E-01	3.6240E-02	3.5870E-01	4.6690E-02	2.2040E-01	1.0330E-01	3.7040E-01
TUBS(DATUBS5)	7.5480E-02	2.4030E-01	3.4520E-02	3.5030E-01	4.7130E-02	2.1510E-01	9.9710E-02	3.6200E-01
VA.TECH	7.4718E-02	2.3663E-01	3.9155E-02	3.5051E-01	5.2592E-02	2.1717E-01	8.4670E-02	3.5443E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU240 (BURNUP=0GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.5900E-02	4.2800E-02	3.7200E-02	9.5900E-02	1.0500E-02	3.6300E-02	8.0700E-02	1.2800E-01
CEA	0.0	0.0	0.0	9.9345E-02	0.0	0.0	0.0	0.0
GKSS	1.5880E-02	3.9330E-02	4.3990E-02	9.9200E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.5680E-02	3.9240E-02	4.3430E-02	9.8350E-02	1.0360E-02	3.2760E-02	8.4860E-02	1.2800E-01
HITACHI(J2)	1.6090E-02	4.1510E-02	4.2690E-02	1.0030E-01	1.0670E-02	3.4380E-02	8.6800E-02	1.3190E-01
IKE	1.6245E-02	4.1712E-02	4.0569E-02	9.8527E-02	1.0826E-02	3.4974E-02	8.4123E-02	1.2992E-01
JAERI(SRAC)	1.6336E-02	4.1211E-02	3.9174E-02	9.6721E-02	1.0878E-02	3.4640E-02	8.2844E-02	1.2836E-01
JAERI(VIM)	1.6229E-02	4.1362E-02	4.2657E-02	1.0025E-01	1.0788E-02	3.4490E-02	8.7079E-02	1.3236E-01
KFK(NEWEST)	1.6270E-02	3.8531E-02	3.7663E-02	9.2464E-02	1.0770E-02	3.3777E-02	8.2118E-02	1.2666E-01
KFK(1985LIB.)	1.6094E-02	3.8252E-02	3.4585E-02	8.8933E-02	1.0690E-02	3.3845E-02	7.7248E-02	1.2178E-01
MAPI-CRC	1.6560E-02	4.1240E-02	4.2470E-02	1.0030E-01	1.0970E-02	3.4620E-02	8.4870E-02	1.3050E-01
NAIG	1.6748E-02	3.9561E-02	4.3631E-02	9.9940E-02	1.0977E-02	3.3766E-02	8.9814E-02	1.3456E-01
PNC	1.7030E-02	4.2070E-02	4.4030E-02	1.0310E-01	1.1080E-02	3.6210E-02	9.0050E-02	1.3730E-01
PSI(BOXER)	1.6437E-02	3.9303E-02	3.9631E-02	9.5371E-02	1.0847E-02	3.2914E-02	8.4096E-02	1.2786E-01
PSI(DANDE)	1.6096E-02	4.0840E-02	4.4461E-02	1.0140E-01	1.0578E-02	3.4677E-02	9.0706E-02	1.3596E-01
STUDSVIK	0.0	0.0	0.0	8.5770E-02	0.0	0.0	0.0	1.1984E-01
TUBS(DATUBS4)	1.5710E-02	4.0020E-02	4.0130E-02	9.5860E-02	1.0580E-02	3.4920E-02	8.3770E-02	1.2930E-01
TUBS(DATUBS5)	1.6130E-02	4.3640E-02	3.8520E-02	9.8300E-02	1.0860E-02	3.8140E-02	8.1310E-02	1.3030E-01
VA.TECH	1.5727E-02	4.0280E-02	4.0538E-02	9.6545E-02	1.1795E-02	3.5918E-02	7.0177E-02	1.1789E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU241 (BURNUP=0GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.5200E-02	6.8000E-02	5.8900E-03	8.9100E-02	9.1600E-03	6.4100E-02	1.5100E-02	8.8300E-02
CEA	0.0	0.0	0.0	8.5575E-02	0.0	0.0	0.0	0.0
GKSS	1.5200E-02	6.7790E-02	6.9250E-03	8.9920E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.5200E-02	6.9720E-02	6.5760E-03	9.1490E-02	9.1490E-03	6.4270E-02	1.6550E-02	8.9970E-02
HITACHI(J2)	1.5570E-02	7.1060E-02	6.7480E-03	9.3380E-02	9.4000E-03	6.6840E-02	1.6990E-02	9.3230E-02
IKE	1.5548E-02	6.6728E-02	6.3640E-03	8.8641E-02	9.4096E-03	6.4309E-02	1.6094E-02	8.9813E-02
JAERI(SRAC)	1.5556E-02	6.7748E-02	6.0263E-03	8.9329E-02	9.4594E-03	6.5367E-02	1.5957E-02	9.0783E-02
JAERI(VIM)	1.5576E-02	6.6481E-02	6.6236E-03	8.8680E-02	9.4169E-03	6.4800E-02	1.6491E-02	9.0708E-02
KFK(NEWEST)	1.4870E-02	6.4015E-02	5.5078E-03	8.4393E-02	9.0654E-03	6.3946E-02	1.4916E-02	8.7927E-02
KFK(1985LIB.)	1.4776E-02	6.3552E-02	4.9819E-03	8.3311E-02	9.0419E-03	6.4075E-02	1.3948E-02	8.7066E-02
MAPI-CRC	1.5690E-02	6.7590E-02	6.5890E-03	8.9860E-02	9.4520E-03	6.4140E-02	1.6010E-02	8.9600E-02
NAIG	1.5912E-02	6.9839E-02	6.3182E-03	9.2069E-02	9.5535E-03	6.7486E-02	1.5862E-02	9.2902E-02
PNC	1.6090E-02	7.0890E-02	6.7300E-03	9.3710E-02	9.6130E-03	6.7530E-02	1.6670E-02	9.3810E-02
PSI(BOXER)	1.5438E-02	6.6234E-02	5.7825E-03	8.7454E-02	9.2941E-03	6.2959E-02	1.5216E-02	8.7469E-02
PSI(DANDE)	1.5559E-02	7.0798E-02	6.7632E-03	9.3120E-02	9.3127E-03	6.7644E-02	1.6688E-02	9.3645E-02
STUDSVIK	0.0	0.0	0.0	9.7030E-02	0.0	0.0	0.0	9.6490E-02
TUBS(DATUBS4)	1.5410E-02	6.4300E-02	8.8960E-03	8.8600E-02	9.3760E-03	6.0240E-02	2.0530E-02	9.0150E-02
TUBS(DATUBS5)	1.5730E-02	6.3010E-02	9.2630E-03	8.8000E-02	9.5680E-03	6.0690E-02	2.1100E-02	9.1370E-02
VA.TECH	1.5170E-02	6.3356E-02	6.2090E-03	8.4734E-02	1.0524E-02	6.1909E-02	1.2239E-02	8.4672E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU242 (BURNUP=0GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.8200E-03	8.0000E-03	1.1800E-02	2.3600E-02	2.6000E-03	6.4300E-03	1.9000E-02	2.8100E-02
CEA	0.0	0.0	0.0	2.4983E-02	0.0	0.0	0.0	0.0
GKSS	3.8360E-03	8.6640E-03	1.2770E-02	2.5270E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	3.7650E-03	7.3110E-03	1.3610E-02	2.4690E-02	2.5530E-03	5.8870E-03	1.9940E-02	2.8380E-02
HITACHI(J2)	3.9670E-03	6.8980E-03	1.2530E-02	2.3400E-02	2.6540E-03	5.3360E-03	1.9190E-02	2.7180E-02
IKE	4.0109E-03	7.5571E-03	1.1854E-02	2.3422E-02	2.6986E-03	5.9977E-03	1.8514E-02	2.7210E-02
JAERI(SRAC)	4.0389E-03	7.6728E-03	1.1905E-02	2.3617E-02	2.7125E-03	6.0896E-03	1.8619E-02	2.7421E-02
JAERI(VIM)	4.0001E-03	7.3683E-03	1.2516E-02	2.3884E-02	2.6829E-03	5.9049E-03	1.8614E-02	2.7202E-02
KFK(NEWEST)	3.9585E-03	7.5129E-03	1.0982E-02	2.2454E-02	2.6618E-03	6.0713E-03	1.6759E-02	2.5492E-02
KFK(1985LIB.)	3.9129E-03	7.4601E-03	1.7713E-02	2.9087E-02	2.6401E-03	6.0835E-03	3.0073E-02	3.8797E-02
MAPI-CRC	4.0720E-03	7.1440E-03	1.1210E-02	2.2420E-02	2.7230E-03	5.7500E-03	1.7970E-02	2.6440E-02
NAIG	4.2078E-03	7.1627E-03	1.2537E-02	2.3908E-02	2.7804E-03	5.6551E-03	1.9387E-02	2.7823E-02
PNC	4.1880E-03	7.3910E-03	1.2360E-02	2.3940E-02	2.7490E-03	5.8530E-03	1.8080E-02	2.6680E-02
PSI(BOXER)	3.9679E-03	8.4626E-03	2.0772E-02	3.3203E-02	2.6875E-03	6.8146E-03	3.3350E-02	4.2852E-02
PSI(DANDE)	3.9538E-03	7.2543E-03	1.4034E-02	2.5242E-02	2.6238E-03	5.7221E-03	2.1470E-02	2.9816E-02
STUDSVIK	0.0	0.0	0.0	3.5080E-02	0.0	0.0	0.0	4.4020E-02
TUBS(DATUBS4)	4.0090E-03	9.2100E-03	1.1130E-02	2.4350E-02	2.7090E-03	8.9960E-03	1.7410E-02	2.9110E-02
TUBS(DATUBS5)	4.0210E-03	9.8360E-03	1.0610E-02	2.4470E-02	2.7240E-03	9.4450E-03	1.6770E-02	2.8940E-02
VA.TECH	3.7880E-03	8.4126E-03	1.1534E-02	2.3735E-02	2.9140E-03	7.2158E-03	1.8583E-02	2.8713E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U235 (BURNUP=0GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.2800E-03	6.8500E-03	5.8100E-04	9.7000E-03	1.6000E-03	6.7000E-03	1.5100E-03	9.8100E-03
CEA	0.0	0.0	0.0	9.5358E-03	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	2.2690E-03	7.0440E-03	6.4830E-04	9.9610E-03	1.5940E-03	6.8040E-03	1.6320E-03	1.0030E-02
HITACHI(J2)	2.2530E-03	7.0170E-03	6.3380E-04	9.9040E-03	1.5930E-03	6.6340E-03	1.6410E-03	9.8680E-03
IKE	2.2035E-03	6.7610E-03	5.9734E-04	9.5619E-03	1.5614E-03	6.6745E-03	1.5438E-03	9.7797E-03
JAERI(SRAC)	2.2517E-03	6.8991E-03	5.6808E-04	9.7188E-03	1.6028E-03	6.7598E-03	1.5288E-03	9.8913E-03
JAERI(VIM)	2.2595E-03	6.7872E-03	6.2133E-04	9.6681E-03	1.5989E-03	6.6813E-03	1.5915E-03	9.8716E-03
KFK(NEWEST)	2.2223E-03	6.2036E-03	4.8127E-04	8.9071E-03	1.5875E-03	6.2770E-03	1.3658E-03	9.2302E-03
KFK(1985LIB.)	2.2071E-03	6.1596E-03	4.3043E-04	8.7972E-03	1.5824E-03	6.2897E-03	1.2689E-03	9.1411E-03
MAPI-CRC	2.2870E-03	6.6810E-03	6.0440E-04	9.5730E-03	1.6160E-03	6.3500E-03	1.5280E-03	9.4930E-03
NAIG	2.2817E-03	7.0537E-03	5.7910E-04	9.9150E-03	1.6033E-03	6.8917E-03	1.4926E-03	9.9880E-03
PNC	2.5050E-03	6.6450E-03	6.0600E-04	9.7560E-03	1.7490E-03	6.4490E-03	1.5630E-03	9.7620E-03
PSI(BOXER)	2.3157E-03	6.8482E-03	5.3413E-04	9.6980E-03	1.6291E-03	6.8544E-03	1.4603E-03	9.9438E-03
PSI(DANDE)	2.2157E-03	6.8973E-03	6.1068E-04	9.7237E-03	1.5565E-03	6.7146E-03	1.5772E-03	9.8483E-03
STUDSVIK	0.0	0.0	0.0	9.7600E-03	0.0	0.0	0.0	9.7500E-03
TUBS(DATUBS4)	2.2810E-03	6.8540E-03	5.6320E-04	9.6980E-03	1.6220E-03	6.8320E-03	1.5730E-03	1.0030E-02
TUBS(DATUBS5)	2.2300E-03	6.6310E-03	5.2150E-04	9.3830E-03	1.5910E-03	6.6360E-03	1.4580E-03	9.6850E-03
VA.TECH	2.2675E-03	6.5540E-03	5.8825E-04	9.4097E-03	1.8346E-03	6.9752E-03	1.2436E-03	1.0053E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U238 (BURNUP=0GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.2500E-02	0.0	9.5000E-13	5.2500E-02	4.7500E-02	0.0	1.6000E-12	4.7500E-02
CEA	0.0	0.0	0.0	5.1782E-02	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.9960E-02	1.3080E-05	2.7700E-10	4.9980E-02	4.4610E-02	1.0010E-05	4.6950E-10	4.4620E-02
HITACHI(J2)	5.1810E-02	2.4110E-05	2.8770E-09	5.1830E-02	4.6880E-02	1.8240E-05	6.0550E-09	4.6900E-02
IKE	5.4282E-02	2.3317E-05	2.7396E-09	5.4305E-02	4.9588E-02	1.7963E-05	5.7938E-09	4.9606E-02
JAERI(SRAC)	5.5616E-02	2.6051E-05	0.0	5.5636E-02	4.9632E-02	1.9870E-05	0.0	4.9652E-02
JAERI(VIM)	5.4248E-02	2.5663E-05	2.9070E-09	5.4274E-02	4.8530E-02	1.8189E-05	6.0780E-09	4.8548E-02
KFK(NEWEST)	5.2791E-02	0.0	0.0	5.2791E-02	4.7625E-02	0.0	0.0	4.7625E-02
KFK(1985LIB.)	5.1339E-02	0.0	0.0	5.1340E-02	4.6498E-02	0.0	0.0	4.6498E-02
MAPI-CRC	5.5910E-02	2.4420E-05	2.8760E-09	5.5940E-02	5.0460E-02	1.9030E-05	5.8720E-09	5.0480E-02
NAIG	5.5587E-02	2.4400E-05	0.0	5.5611E-02	4.8373E-02	1.8900E-05	0.0	4.8392E-02
PNC	5.2910E-02	0.0	0.0	5.2910E-02	4.7600E-02	0.0	0.0	4.7600E-02
PSI(BOXER)	5.4166E-02	2.2510E-05	1.8435E-09	5.4189E-02	4.8620E-02	1.7105E-05	3.1679E-09	4.8637E-02
PSI(DANDE)	5.1503E-02	2.4376E-05	2.9271E-09	5.1528E-02	4.6797E-02	1.8890E-05	6.1201E-09	4.6816E-02
STUDSVIK	0.0	0.0	0.0	5.7470E-02	0.0	0.0	0.0	5.1710E-02
TUBS(DATUBS4)	5.3650E-02	4.3670E-06	0.0	5.3650E-02	4.9200E-02	3.3200E-06	0.0	4.9210E-02
TUBS(DATUBS5)	5.4850E-02	2.5990E-05	2.3290E-09	5.4880E-02	5.0270E-02	1.9780E-05	5.3320E-09	5.0290E-02
VA.TECH	5.1549E-02	1.3727E-05	2.2138E-10	5.1563E-02	5.1336E-02	1.3111E-05	3.4216E-10	5.1349E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU239 (BURNUP=0GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.6600E-02	1.3300E-01	2.6800E-02	2.2700E-01	4.1400E-02	1.1800E-01	7.1800E-02	2.3200E-01
CEA	0.0	0.0	0.0	2.3558E-01	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	6.6210E-02	1.3560E-01	2.9660E-02	2.3140E-01	4.1090E-02	1.2060E-01	7.7370E-02	2.3910E-01
HITACHI(J2)	6.6040E-02	1.3710E-01	2.9690E-02	2.3280E-01	4.1310E-02	1.1950E-01	7.7620E-02	2.3840E-01
IKE	6.5947E-02	1.3533E-01	2.8397E-02	2.2967E-01	4.1315E-02	1.1948E-01	7.4964E-02	2.3576E-01
JAERI(SRAC)	6.6245E-02	1.3443E-01	2.6356E-02	2.2703E-01	4.1665E-02	1.1916E-01	7.3085E-02	2.3391E-01
JAERI(VIM)	6.6388E-02	1.3453E-01	2.8866E-02	2.2978E-01	4.1569E-02	1.1865E-01	7.5608E-02	2.3583E-01
KFK(NEWEST)	6.4897E-02	1.2903E-01	2.4639E-02	2.1857E-01	4.0879E-02	1.1754E-01	6.8969E-02	2.2739E-01
KFK(1985LIB.)	6.4368E-02	1.2811E-01	2.2492E-02	2.1497E-01	4.0688E-02	1.1778E-01	6.4759E-02	2.2323E-01
MAPI-CRC	6.7460E-02	1.3380E-01	2.8430E-02	2.2970E-01	4.2100E-02	1.1720E-01	7.2940E-02	2.3220E-01
NAIG	6.7630E-02	1.3453E-01	2.8184E-02	2.3034E-01	4.1913E-02	1.1809E-01	7.4282E-02	2.3428E-01
PNC	6.9530E-02	1.3550E-01	2.9180E-02	2.3420E-01	4.2810E-02	1.1890E-01	7.6380E-02	2.3810E-01
PSI(BOXER)	6.8302E-02	1.3529E-01	2.6324E-02	2.2992E-01	4.2353E-02	1.2035E-01	7.1749E-02	2.3445E-01
PSI(DANDE)	6.6286E-02	1.3709E-01	2.9799E-02	2.3318E-01	4.1091E-02	1.2016E-01	7.7645E-02	2.3889E-01
STUDSVIK	0.0	0.0	0.0	2.2788E-01	0.0	0.0	0.0	2.3267E-01
TUBS(DATUBS4)	6.6350E-02	1.4020E-01	2.4360E-02	2.3090E-01	4.1810E-02	1.2550E-01	6.8340E-02	2.3570E-01
TUBS(DATUBS5)	6.6130E-02	1.3730E-01	2.3530E-02	2.2690E-01	4.1830E-02	1.2300E-01	6.6400E-02	2.3130E-01
VA.TECH	6.6280E-02	1.3176E-01	2.6322E-02	2.2436E-01	4.7070E-02	1.2276E-01	5.5902E-02	2.2574E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU240 (BURNUP=0GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.1300E-02	1.0200E-03	7.2600E-06	1.2400E-02	7.9400E-03	7.0900E-04	1.5700E-05	8.6700E-03
CEA	0.0	0.0	0.0	1.1128E-02	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.1110E-02	1.0060E-03	8.4590E-06	1.2130E-02	7.7530E-03	6.8900E-04	1.6470E-05	8.4580E-03
HITACHI(J2)	1.1030E-02	1.1570E-03	8.5140E-06	1.2200E-02	7.7900E-03	7.9840E-04	1.7270E-05	8.6060E-03
IKE	1.1232E-02	1.1656E-03	8.0909E-06	1.2406E-02	7.9653E-03	8.0670E-04	1.6733E-05	8.7888E-03
JAERI(SRAC)	1.1337E-02	1.1580E-03	7.8161E-06	1.2503E-02	8.0042E-03	8.0623E-04	1.6489E-05	8.8268E-03
JAERI(VIM)	1.1195E-02	1.1614E-03	8.5082E-06	1.2365E-02	7.9174E-03	8.0433E-04	1.7326E-05	8.7390E-03
KFK(NEWEST)	1.1057E-02	6.8347E-04	6.9795E-06	1.1748E-02	7.7461E-03	5.0392E-04	1.5184E-05	8.2651E-03
KFK(1985LIB.)	1.0899E-02	6.7934E-04	6.3998E-06	1.1584E-02	7.6618E-03	5.0493E-04	1.4273E-05	8.1811E-03
MAPI-CRC	1.1530E-02	1.1200E-03	8.4690E-06	1.2660E-02	8.1110E-03	7.8490E-04	1.6880E-05	8.9130E-03
NAIG	1.1864E-02	5.4170E-04	8.0000E-06	1.2414E-02	8.2027E-03	3.6140E-04	1.6400E-05	8.5800E-03
PNC	1.1920E-02	1.1300E-03	8.7750E-06	1.3060E-02	8.1790E-03	8.0070E-04	1.7900E-05	8.9970E-03
PSI(BOXER)	1.1869E-02	9.7345E-04	7.7052E-06	1.2850E-02	8.2373E-03	6.8124E-04	1.6302E-05	8.9348E-03
PSI(DANDE)	1.1044E-02	1.1243E-03	8.8569E-06	1.2177E-02	7.7209E-03	7.9288E-04	1.8025E-05	8.5318E-03
STUDSVIK	0.0	0.0	0.0	1.1820E-02	0.0	0.0	0.0	8.3700E-03
TUBS(DATUBS4)	1.1080E-02	9.9480E-04	7.5500E-06	1.2090E-02	7.9340E-03	7.1000E-04	1.5390E-05	8.6590E-03
TUBS(DATUBS5)	1.0980E-02	1.1730E-03	7.6440E-06	1.2160E-02	7.9110E-03	8.4230E-04	1.6130E-05	8.7690E-03
VA.TECH	1.1186E-02	1.0042E-03	7.8913E-06	1.2198E-02	8.7806E-03	7.8713E-04	1.3626E-05	9.5814E-03
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU241 (BURNUP=0GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.3500E-02	5.4500E-02	4.7100E-03	7.2700E-02	8.1700E-03	5.1800E-02	1.1700E-02	7.1601E-02
CEA	0.0	0.0	0.0	7.0356E-02	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.3410E-02	5.5570E-02	5.2380E-03	7.4210E-02	8.1160E-03	5.1620E-02	1.2750E-02	7.2480E-02
HITACHI(J2)	1.3480E-02	5.4040E-02	5.2340E-03	7.2750E-02	8.1860E-03	5.0370E-02	1.2910E-02	7.1470E-02
IKE	1.3439E-02	5.0908E-02	4.9405E-03	6.9289E-02	8.1699E-03	4.8637E-02	1.2239E-02	6.9046E-02
JAERI(SRAC)	1.3485E-02	5.1594E-02	4.6847E-03	6.9763E-02	8.2437E-03	4.9355E-02	1.2144E-02	6.9742E-02
JAERI(VIM)	1.3500E-02	5.0571E-02	5.1325E-03	6.9204E-02	8.2074E-03	4.8953E-02	1.2536E-02	6.9696E-02
KFK(NEWEST)	1.3125E-02	4.8038E-02	4.2204E-03	6.5383E-02	8.0616E-03	4.7850E-02	1.1131E-02	6.7044E-02
KFK(1985LIB.)	1.3036E-02	4.7691E-02	3.7969E-03	6.4525E-02	8.0364E-03	4.7947E-02	1.0382E-02	6.6367E-02
MAPI-CRC	1.3660E-02	5.1800E-02	5.1030E-03	7.0560E-02	8.2860E-03	4.8850E-02	1.2160E-02	6.9300E-02
NAIG	1.3807E-02	5.3508E-02	4.9113E-03	7.2226E-02	8.3323E-03	5.1342E-02	1.2066E-02	7.1740E-02
PNC	1.3990E-02	5.4260E-02	5.2160E-03	7.3460E-02	8.4070E-03	5.1410E-02	1.2670E-02	7.2490E-02
PSI(BOXER)	1.3686E-02	5.2900E-02	4.5766E-03	7.1163E-02	8.2966E-03	5.0691E-02	1.1702E-02	7.0690E-02
PSI(DANDE)	1.3513E-02	5.4292E-02	5.2293E-03	7.3035E-02	8.1440E-03	5.1632E-02	1.2665E-02	7.2442E-02
STUDSVIK	0.0	0.0	0.0	7.5540E-02	0.0	0.0	0.0	7.4130E-02
TUBS(DATUBS4)	1.3600E-02	5.2270E-02	6.5950E-03	7.2470E-02	8.3290E-03	4.9600E-02	1.5150E-02	7.3080E-02
TUBS(DATUBS5)	1.3620E-02	4.9180E-02	6.4350E-03	6.9230E-02	8.3350E-03	4.7370E-02	1.5030E-02	7.0730E-02
VA.TECH	1.3386E-02	5.0487E-02	4.9407E-03	6.8814E-02	9.3307E-03	4.9614E-02	9.5009E-03	6.8445E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU242 (BURNUP=0GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.9400E-03	0.0	0.0	2.9400E-03	2.1100E-03	0.0	0.0	2.1100E-03
CEA	0.0	0.0	0.0	2.7266E-03	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	2.8710E-03	0.0	0.0	2.8710E-03	2.0430E-03	0.0	0.0	2.0430E-03
HITACHI(J2)	2.6090E-03	4.4430E-05	9.2070E-06	2.6630E-03	1.8760E-03	3.0790E-05	1.4410E-05	1.9220E-03
IKE	2.6605E-03	4.3822E-05	7.9425E-06	2.7123E-03	1.9214E-03	3.0554E-05	1.2410E-05	1.9644E-03
JAERI(SRAC)	2.6959E-03	4.5931E-05	8.7152E-06	2.7505E-03	1.9358E-03	3.2422E-05	1.3940E-05	1.9821E-03
JAERI(VIM)	2.6481E-03	4.5056E-05	9.1946E-06	2.7023E-03	1.9070E-03	3.1863E-05	1.4013E-05	1.9529E-03
KFK(NEWEST)	2.6677E-03	1.8430E-05	3.6985E-09	2.6861E-03	1.9077E-03	1.3786E-05	6.3746E-09	1.9215E-03
KFK(1985LIB.)	2.6265E-03	1.8309E-05	3.1831E-09	2.6449E-03	1.8852E-03	1.3814E-05	5.7430E-09	1.8990E-03
MAPI-CRC	2.7280E-03	4.2770E-05	8.3130E-06	2.7790E-03	1.9550E-03	3.0920E-05	1.3530E-05	2.0000E-03
NAIG	2.8513E-03	4.3800E-05	9.2000E-06	2.9040E-03	2.0043E-03	3.1200E-05	1.4500E-05	2.0500E-03
PNC	2.8220E-03	4.4130E-05	2.6030E-05	2.8920E-03	1.9690E-03	3.1410E-05	3.6790E-05	2.0370E-03
PSI(BOXER)	3.0859E-03	0.0	0.0	3.0859E-03	2.1866E-03	0.0	0.0	2.1866E-03
PSI(DANDE)	2.6019E-03	4.2194E-05	9.4014E-06	2.6534E-03	1.8561E-03	2.9822E-05	1.4388E-05	1.9003E-03
STUDSVIK	0.0	0.0	0.0	2.9600E-03	0.0	0.0	0.0	2.1300E-03
TUBS(DATUBS4)	2.7090E-03	4.1020E-05	5.5270E-09	2.7500E-03	1.9670E-03	2.9370E-05	1.1400E-08	1.9970E-03
TUBS(DATUBS5)	2.6400E-03	4.6160E-05	7.1100E-06	2.6930E-03	1.9300E-03	3.3890E-05	1.1240E-05	1.9760E-03
VA.TECH	2.8982E-03	0.0	0.0	2.8982E-03	2.3230E-03	0.0	0.0	2.3230E-03
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U235 (BURNUP=0GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.7200E-03	1.6600E-02	1.4000E-03	2.3700E-02	4.0600E-03	1.6200E-02	3.6400E-03	2.3900E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	5.7117E-03	1.5317E-02	1.7049E-03	2.2732E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	5.6870E-03	1.7040E-02	1.5700E-03	2.4300E-02	4.0230E-03	1.6460E-02	3.9570E-03	2.4440E-02
HITACHI(J2)	5.6520E-03	1.7040E-02	1.5390E-03	2.4230E-02	4.0250E-03	1.6110E-02	3.9860E-03	2.4120E-02
IKE	5.5363E-03	1.6474E-02	1.4555E-03	2.3467E-02	3.9512E-03	1.6264E-02	3.7619E-03	2.3977E-02
JAERI(SRAC)	5.6623E-03	1.6757E-02	1.3797E-03	2.3799E-02	4.0952E-03	1.6419E-02	3.7129E-03	2.4191E-02
JAERI(VIM)	5.6767E-03	1.6484E-02	1.5090E-03	2.3670E-02	4.0462E-03	1.6227E-02	3.8651E-03	2.4138E-02
KFK(NEWEST)	5.5854E-03	1.5032E-02	1.1662E-03	2.1783E-02	4.0164E-03	1.5209E-02	3.3094E-03	2.2535E-02
KFK(1985LIB.)	5.5438E-03	1.4925E-02	1.0430E-03	2.1512E-02	4.0003E-03	1.5240E-02	3.0747E-03	2.2315E-02
MAPI-CRC	5.7510E-03	1.6230E-02	1.4680E-03	2.3450E-02	4.0940E-03	1.5420E-02	3.7100E-03	2.3230E-02
NAIG	5.7385E-03	1.7188E-02	1.4111E-03	2.4338E-02	4.0564E-03	1.6793E-02	3.6371E-03	2.4486E-02
PNC	6.2890E-03	1.6180E-02	1.4740E-03	2.3950E-02	4.4160E-03	1.5710E-02	3.8020E-03	2.3920E-02
PSI(BOXER)	5.8187E-03	1.6565E-02	1.2920E-03	2.3675E-02	4.1245E-03	1.6580E-02	3.5321E-03	2.4237E-02
PSI(DANDE)	5.5601E-03	1.6807E-02	1.4880E-03	2.3855E-02	3.9326E-03	1.6361E-02	3.8432E-03	2.4137E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	5.7370E-03	1.6700E-02	1.3720E-03	2.3810E-02	4.1100E-03	1.6650E-02	3.8330E-03	2.4590E-02
TUBS(DATUBS5)	5.6030E-03	1.6160E-02	1.2710E-03	2.3030E-02	4.0280E-03	1.6170E-02	3.5530E-03	2.3750E-02
VA.TECH	5.6894E-03	1.5853E-02	1.4229E-03	2.2966E-02	4.6330E-03	1.6872E-02	3.0081E-03	2.4513E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U238 (BURNUP=0GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.4700E-01	0.0	2.2000E-12	1.4700E-01	1.3300E-01	0.0	3.7000E-12	1.3300E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.4897E-01	1.1090E-07	0.0	1.4897E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.3870E-01	3.0340E-05	6.4300E-10	1.3870E-01	1.2420E-01	2.3230E-05	1.0890E-09	1.2430E-01
HITACHI(J2)	1.4360E-01	5.5940E-05	6.6740E-09	1.4370E-01	1.3070E-01	4.2310E-05	1.4050E-08	1.3080E-01
IKE	1.5115E-01	5.4086E-05	6.3544E-09	1.5120E-01	1.3874E-01	4.1666E-05	1.3439E-08	1.3879E-01
JAERI(SRAC)	1.5513E-01	6.0422E-05	0.0	1.5519E-01	1.3911E-01	4.6087E-05	0.0	1.3916E-01
JAERI(VIM)	1.5126E-01	5.9531E-05	6.7429E-09	1.5132E-01	1.3600E-01	4.2194E-05	1.4098E-08	1.3605E-01
KFK(NEWEST)	1.4722E-01	0.0	0.0	1.4722E-01	1.3333E-01	0.0	0.0	1.3333E-01
KFK(1985LIB.)	1.4294E-01	0.0	0.0	1.4294E-01	1.2995E-01	0.0	0.0	1.2995E-01
MAPI-CRC	1.5630E-01	5.6650E-05	6.6720E-09	1.5640E-01	1.4170E-01	4.4150E-05	1.3620E-08	1.4180E-01
NAIG	1.5549E-01	4.2000E-06	0.0	1.5550E-01	1.3562E-01	2.9000E-06	0.0	1.3563E-01
PNC	1.4700E-01	0.0	0.0	1.4700E-01	1.3280E-01	0.0	0.0	1.3280E-01
PSI(BOXER)	1.5090E-01	5.2546E-05	4.2760E-09	1.5095E-01	1.3615E-01	3.9676E-05	7.3479E-09	1.3619E-01
PSI(DANDE)	1.4336E-01	5.6545E-05	6.7837E-09	1.4342E-01	1.3088E-01	4.3820E-05	1.4184E-08	1.3092E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.5070E-01	1.0130E-05	0.0	1.5070E-01	1.3890E-01	7.7020E-06	0.0	1.3890E-01
TUBS(DATUBS5)	1.5320E-01	6.0280E-05	5.4020E-09	1.5330E-01	1.4110E-01	4.5880E-05	1.2370E-08	1.4110E-01
VA.TECH	1.4358E-01	3.1841E-05	5.1350E-10	1.4361E-01	1.4387E-01	3.0413E-05	7.9365E-10	1.4390E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU239 (BURNUP=0GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.0000E-01	3.8300E-01	7.7100E-02	6.6000E-01	1.2500E-01	3.4000E-01	2.0600E-01	6.7200E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.9984E-01	3.8446E-01	8.3965E-02	6.6828E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.9850E-01	3.8960E-01	8.5210E-02	6.7330E-01	1.2410E-01	3.4660E-01	2.2230E-01	6.9290E-01
HITACHI(J2)	1.9860E-01	3.9490E-01	8.5540E-02	6.7910E-01	1.2530E-01	3.4410E-01	2.2360E-01	6.9300E-01
IKE	1.9744E-01	3.8352E-01	8.1460E-02	6.6243E-01	1.2473E-01	3.3841E-01	2.1510E-01	6.7824E-01
JAERI(SRAC)	1.9983E-01	3.8717E-01	7.5920E-02	6.6292E-01	1.2673E-01	3.4321E-01	2.1053E-01	6.8046E-01
JAERI(VIM)	2.0003E-01	3.8754E-01	8.3151E-02	6.7072E-01	1.2632E-01	3.4180E-01	2.1780E-01	6.8591E-01
KFK(NEWEST)	1.9584E-01	3.7222E-01	7.1072E-02	6.3914E-01	1.2434E-01	3.3907E-01	1.9891E-01	6.6233E-01
KFK(1985LIB.)	1.9411E-01	3.6955E-01	6.4879E-02	6.2854E-01	1.2365E-01	3.3975E-01	1.8677E-01	6.5018E-01
MAPI-CRC	2.0340E-01	3.8530E-01	8.1890E-02	6.7060E-01	1.2810E-01	3.3760E-01	2.1010E-01	6.7580E-01
NAIG	2.0412E-01	3.8742E-01	8.1386E-02	6.7292E-01	1.2745E-01	3.4007E-01	2.1457E-01	6.8209E-01
PNC	2.0900E-01	3.9030E-01	8.4060E-02	6.8340E-01	1.2970E-01	3.4240E-01	2.2000E-01	6.9220E-01
PSI(BOXER)	2.0526E-01	3.8873E-01	7.5636E-02	6.6962E-01	1.2829E-01	3.4581E-01	2.0616E-01	6.8026E-01
PSI(DANDE)	1.9815E-01	3.8850E-01	8.5482E-02	6.7214E-01	1.2381E-01	3.4034E-01	2.2280E-01	6.8694E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.9960E-01	4.0290E-01	7.0000E-02	6.7250E-01	1.2690E-01	3.6060E-01	1.9640E-01	6.8390E-01
TUBS(DATUBS5)	1.9800E-01	3.8910E-01	6.7490E-02	6.5450E-01	1.2630E-01	3.4850E-01	1.9050E-01	6.6530E-01
VA.TECH	1.9892E-01	3.7859E-01	7.5630E-02	6.5315E-01	1.4225E-01	3.5274E-01	1.6062E-01	6.5562E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU240 (BURNUP=0GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.5500E-02	2.9300E-03	2.0800E-05	3.8400E-02	2.5100E-02	2.0300E-03	4.5000E-05	2.7100E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.5577E-02	2.2853E-03	2.1231E-05	3.7883E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	3.4690E-02	2.8880E-03	2.4280E-05	3.7600E-02	2.4350E-02	1.9770E-03	4.7270E-05	2.6380E-02
HITACHI(J2)	3.3630E-02	3.2220E-03	2.3700E-05	3.6880E-02	2.3940E-02	2.2230E-03	4.8080E-05	2.6210E-02
IKE	3.4343E-02	3.2450E-03	2.2523E-05	3.7611E-02	2.4550E-02	2.2458E-03	4.6580E-05	2.6843E-02
JAERI(SRAC)	3.4715E-02	3.2239E-03	2.1758E-05	3.7961E-02	2.4679E-02	2.2445E-03	4.5901E-05	2.6970E-02
JAERI(VIM)	3.4247E-02	3.2335E-03	2.3685E-05	3.7504E-02	2.4391E-02	2.2392E-03	4.8232E-05	2.6678E-02
KFK(NEWEST)	3.5031E-02	1.9686E-03	2.0092E-05	3.7020E-02	2.4728E-02	1.4514E-03	4.3708E-05	2.6223E-02
KFK(1985LIB.)	3.4488E-02	1.9567E-03	1.8423E-05	3.6463E-02	2.4427E-02	1.4544E-03	4.1085E-05	2.5923E-02
MAPI-CRC	3.5300E-02	3.1170E-03	2.3580E-05	3.8440E-02	2.5020E-02	2.1850E-03	4.7000E-05	2.7250E-02
NAIG	3.6570E-02	1.5186E-03	2.2400E-05	3.8111E-02	2.5430E-02	1.0130E-03	4.6000E-05	2.6489E-02
PNC	3.6230E-02	3.1470E-03	2.4430E-05	3.9410E-02	2.5050E-02	2.2290E-03	4.9820E-05	2.7330E-02
PSI(BOXER)	3.7140E-02	2.7938E-03	2.2113E-05	3.9956E-02	2.5963E-02	1.9552E-03	4.6784E-05	2.7965E-02
PSI(DANDE)	3.3691E-02	3.1302E-03	2.4656E-05	3.6846E-02	2.3747E-02	2.2074E-03	5.0179E-05	2.6004E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.4900E-02	2.8550E-03	2.1670E-05	3.7780E-02	2.5160E-02	2.0380E-03	4.4180E-05	2.7250E-02
TUBS(DATUBS5)	3.3670E-02	3.2650E-03	2.1280E-05	3.6960E-02	2.4450E-02	2.3450E-03	4.4910E-05	2.6840E-02
VA.TECH	3.4985E-02	2.8821E-03	2.2646E-05	3.7889E-02	2.7647E-02	2.2591E-03	3.9105E-05	2.9945E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU241 (BURNUP=0GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.0900E-02	1.6000E-01	1.3800E-02	2.1400E-01	2.5000E-02	1.5200E-01	3.4200E-02	2.1101E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	4.0863E-02	1.6001E-01	1.5714E-02	2.1651E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	4.0660E-02	1.6290E-01	1.5360E-02	2.1900E-01	2.4770E-02	1.5140E-01	3.7370E-02	2.1350E-01
HITACHI(J2)	4.0820E-02	1.5850E-01	1.5350E-02	2.1460E-01	2.4950E-02	1.4770E-01	3.7860E-02	2.1050E-01
IKE	4.0752E-02	1.4928E-01	1.4487E-02	2.0452E-01	2.4949E-02	1.4262E-01	3.5889E-02	2.0346E-01
JAERI(SRAC)	4.0910E-02	1.5129E-01	1.3737E-02	2.0594E-01	2.5173E-02	1.4472E-01	3.5610E-02	2.0551E-01
JAERI(VIM)	4.0932E-02	1.4829E-01	1.5050E-02	2.0428E-01	2.5051E-02	1.4355E-01	3.6758E-02	2.0536E-01
KFK(NEWEST)	3.9744E-02	1.4050E-01	1.2336E-02	1.9258E-01	2.4571E-02	1.3994E-01	3.2535E-02	1.9705E-01
KFK(1985LIB.)	3.9452E-02	1.3949E-01	1.1099E-02	1.9004E-01	2.4476E-02	1.4023E-01	3.0346E-02	1.9505E-01
MAPI-CRC	4.1430E-02	1.5190E-01	1.4960E-02	2.0830E-01	2.5320E-02	1.4330E-01	3.5660E-02	2.0420E-01
NAIG	4.1922E-02	1.5691E-01	1.4401E-02	2.1323E-01	2.5452E-02	1.5055E-01	3.5380E-02	2.1139E-01
PNC	4.2370E-02	1.5910E-01	1.5290E-02	2.1680E-01	2.5620E-02	1.5080E-01	3.7160E-02	2.1360E-01
PSI(BOXER)	4.1594E-02	1.5512E-01	1.3420E-02	2.1013E-01	2.5341E-02	1.4864E-01	3.4315E-02	2.0835E-01
PSI(DANDE)	4.0927E-02	1.5920E-01	1.5334E-02	2.1547E-01	2.4831E-02	1.5140E-01	3.7139E-02	2.1337E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	4.1340E-02	1.5330E-01	1.9340E-02	2.1400E-01	2.5520E-02	1.4550E-01	4.4420E-02	2.1540E-01
TUBS(DATUBS5)	4.1280E-02	1.4420E-01	1.8870E-02	2.0440E-01	2.5450E-02	1.3890E-01	4.4060E-02	2.0840E-01
VA.TECH	4.0633E-02	1.4805E-01	1.4488E-02	2.0317E-01	2.8491E-02	1.4549E-01	2.7860E-02	2.0184E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU242 (BURNUP=0GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	9.0900E-03	0.0	0.0	9.0900E-03	6.5700E-03	0.0	0.0	6.5700E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	9.1447E-03	0.0	0.0	9.1447E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	8.8520E-03	0.0	0.0	8.8520E-03	6.3350E-03	0.0	0.0	6.3350E-03
HITACHI(J2)	8.0310E-03	1.2480E-04	2.5850E-05	8.1820E-03	5.8120E-03	8.6470E-05	4.0450E-05	5.9390E-03
IKE	8.2109E-03	1.2306E-04	2.2302E-05	8.3563E-03	5.9693E-03	8.5800E-05	3.4847E-05	6.0900E-03
JAERI(SRAC)	8.3306E-03	1.2898E-04	2.4472E-05	8.4839E-03	6.0159E-03	9.1047E-05	3.9142E-05	6.1459E-03
JAERI(VIM)	8.1774E-03	1.2652E-04	2.5818E-05	8.3298E-03	5.9229E-03	8.9475E-05	3.9348E-05	6.0517E-03
KFK(NEWEST)	8.5140E-03	5.3103E-05	1.0658E-08	8.5671E-03	6.1275E-03	3.9721E-05	1.8369E-08	6.1672E-03
KFK(1985LIB.)	8.3728E-03	5.2755E-05	9.1732E-09	8.4257E-03	6.0474E-03	3.9801E-05	1.6549E-08	6.0873E-03
MAPI-CRC	8.4300E-03	1.2010E-04	2.3340E-05	8.5740E-03	6.0810E-03	8.6840E-05	3.8000E-05	6.2060E-03
NAIG	8.8037E-03	1.2290E-04	2.5800E-05	8.9520E-03	6.2172E-03	8.7700E-05	4.0700E-05	6.3460E-03
PNC	8.6550E-03	1.2390E-04	7.3100E-05	8.8520E-03	6.0810E-03	8.8210E-05	1.0330E-04	6.2730E-03
PSI(BOXER)	9.5355E-03	0.0	0.0	9.5355E-03	6.8065E-03	0.0	0.0	6.8065E-03
PSI(DANDE)	8.0145E-03	1.1849E-04	2.6399E-05	8.1594E-03	5.7564E-03	8.3744E-05	4.0402E-05	5.8805E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	8.4810E-03	1.1530E-04	1.5530E-08	8.5960E-03	6.2040E-03	8.2520E-05	3.2030E-08	6.2870E-03
TUBS(DATUBS5)	8.1680E-03	1.2960E-04	1.9960E-05	8.3180E-03	6.0100E-03	9.5180E-05	3.1570E-05	6.1370E-03
VA.TECH	8.9552E-03	0.0	0.0	8.9552E-03	7.2267E-03	0.0	0.0	7.2267E-03
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U235 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.8200E-03	6.5800E-03	3.9700E-04	8.7900E-03	1.3000E-03	6.8300E-03	1.1100E-03	9.2300E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.8110E-03	6.5510E-03	5.0060E-04	8.8620E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.8370E-03	6.8780E-03	4.6290E-04	9.1780E-03	1.3130E-03	6.9700E-03	1.2520E-03	9.5360E-03
HITACHI(J2)	1.8240E-03	7.0480E-03	4.6120E-04	9.3330E-03	1.3030E-03	7.1770E-03	1.2620E-03	9.7420E-03
IKE	1.8077E-03	6.7123E-03	4.3517E-04	8.9551E-03	1.2929E-03	6.9835E-03	1.2085E-03	9.4850E-03
JAERI(SRAC)	1.8144E-03	6.8888E-03	4.0668E-04	9.1098E-03	1.3082E-03	7.1810E-03	1.1730E-03	9.6622E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.8174E-03	6.2080E-03	3.4460E-04	8.3701E-03	1.2988E-03	6.5882E-03	1.0518E-03	8.9387E-03
KFK(1985LIB.)	1.8040E-03	6.1289E-03	3.0361E-04	8.2366E-03	1.2939E-03	6.5487E-03	9.5938E-04	8.8021E-03
MAPI-CRC	1.8590E-03	6.7840E-03	4.3320E-04	9.0770E-03	1.3300E-03	6.8630E-03	1.1910E-03	9.3840E-03
NAIG	1.8479E-03	6.7128E-03	4.2040E-04	8.9810E-03	1.3112E-03	6.9627E-03	1.1595E-03	9.4330E-03
PNC	2.0400E-03	6.4570E-03	4.3940E-04	8.9360E-03	1.4360E-03	6.6480E-03	1.2190E-03	9.3030E-03
PSI(BOXER)	1.8747E-03	6.5528E-03	3.7657E-04	8.8041E-03	1.3282E-03	6.8954E-03	1.1117E-03	9.3353E-03
PSI(DANDE)	1.8110E-03	6.8086E-03	4.1628E-04	9.0359E-03	1.2882E-03	7.0034E-03	1.1678E-03	9.4594E-03
STUDSVIK	0.0	0.0	0.0	9.0500E-03	0.0	0.0	0.0	9.3900E-03
TUBS(DATUBS4)	1.8530E-03	6.6970E-03	3.8710E-04	8.9370E-03	1.3200E-03	7.0060E-03	1.1690E-03	9.4940E-03
TUBS(DATUBS5)	1.8290E-03	6.5230E-03	3.5650E-04	8.7080E-03	1.3090E-03	6.8650E-03	1.0790E-03	9.2530E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U238 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.3800E-01	2.3800E-01	2.3000E-03	3.7800E-01	1.0400E-01	2.3300E-01	5.0400E-03	3.4200E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.4320E-01	2.2500E-01	7.5210E-04	3.6900E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.3960E-01	2.2340E-01	2.6240E-03	3.6560E-01	1.0550E-01	2.2230E-01	5.4470E-03	3.3320E-01
HITACHI(J2)	1.3820E-01	2.1920E-01	2.5410E-03	3.5990E-01	1.0450E-01	2.1840E-01	5.3660E-03	3.2820E-01
IKE	1.4129E-01	2.3077E-01	2.3800E-03	3.7443E-01	1.0889E-01	2.2616E-01	5.1564E-03	3.4020E-01
JAERI(SRAC)	1.4014E-01	2.3140E-01	2.3894E-03	3.7393E-01	1.0691E-01	2.2612E-01	5.2740E-03	3.3831E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.4340E-01	2.2765E-01	2.1086E-03	3.7316E-01	1.0934E-01	2.1983E-01	4.8782E-03	3.3405E-01
KFK(1985LIB.)	1.4228E-01	2.2549E-01	1.8034E-03	3.6958E-01	1.0885E-01	2.1909E-01	4.3662E-03	3.3231E-01
MAPI-CRC	1.3930E-01	2.2490E-01	2.4850E-03	3.6670E-01	1.0550E-01	2.2790E-01	5.2650E-03	3.3870E-01
NAIG	1.5045E-01	2.2009E-01	2.4138E-03	3.7295E-01	1.1194E-01	2.1455E-01	5.1850E-03	3.3168E-01
PNC	1.5610E-01	2.0160E-01	2.5400E-03	3.6020E-01	1.1590E-01	2.0030E-01	5.4040E-03	3.2160E-01
PSI(BOXER)	1.4059E-01	2.2499E-01	2.0483E-03	3.6763E-01	1.0593E-01	2.1834E-01	4.7162E-03	3.2899E-01
PSI(DANDE)	1.3514E-01	2.3039E-01	2.3967E-03	3.6792E-01	1.0201E-01	2.2580E-01	5.1802E-03	3.3279E-01
STUDSVIK	0.0	0.0	0.0	3.6979E-01	0.0	0.0	0.0	3.3112E-01
TUBS(DATUBS4)	1.4390E-01	2.2530E-01	2.3030E-03	3.7150E-01	1.1010E-01	2.2190E-01	5.2420E-03	3.3720E-01
TUBS(DATUBS5)	1.4190E-01	2.3250E-01	2.1330E-03	3.7650E-01	1.0890E-01	2.3060E-01	4.8910E-03	3.4430E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU239 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.9900E-02	2.1400E-01	3.0800E-02	3.1500E-01	3.8400E-02	1.7400E-01	8.4800E-02	2.9800E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	6.8840E-02	2.0820E-01	3.5410E-02	3.1250E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	6.8190E-02	2.1400E-01	3.5320E-02	3.1760E-01	3.7490E-02	1.7440E-01	9.2640E-02	3.0450E-01
HITACHI(J2)	6.8110E-02	2.1570E-01	3.5050E-02	3.1880E-01	3.7310E-02	1.7450E-01	9.2170E-02	3.0400E-01
IKE	6.9305E-02	2.1231E-01	3.3032E-02	3.1464E-01	3.8360E-02	1.7031E-01	8.9879E-02	2.9855E-01
JAERI(SRAC)	6.9050E-02	2.1567E-01	3.0457E-02	3.1517E-01	3.8278E-02	1.7563E-01	8.7505E-02	3.0141E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.7196E-02	2.0601E-01	2.8783E-02	3.0199E-01	3.6935E-02	1.7077E-01	8.2171E-02	2.8987E-01
KFK(1985LIB.)	6.7244E-02	2.0465E-01	2.6201E-02	2.9810E-01	3.7189E-02	1.7117E-01	7.6647E-02	2.8501E-01
MAPI-CRC	7.0340E-02	2.1280E-01	3.2880E-02	3.1600E-01	3.9010E-02	1.7350E-01	8.8290E-02	3.0080E-01
NAIG	7.0020E-02	2.1111E-01	3.3096E-02	3.1422E-01	3.8183E-02	1.7004E-01	8.9484E-02	2.9771E-01
PNC	7.1300E-02	2.1360E-01	3.3850E-02	3.1880E-01	3.8640E-02	1.7290E-01	9.0990E-02	3.0260E-01
PSI(BOXER)	7.0651E-02	2.1504E-01	3.0787E-02	3.1648E-01	3.8554E-02	1.7469E-01	8.5904E-02	2.9915E-01
PSI(DANDE)	6.9500E-02	2.1305E-01	3.2888E-02	3.1544E-01	3.8144E-02	1.7310E-01	8.8958E-02	3.0020E-01
STUDSVIK	0.0	0.0	0.0	3.1520E-01	0.0	0.0	0.0	3.0056E-01
TUBS(DATUBS4)	6.8670E-02	2.2330E-01	2.8310E-02	3.2030E-01	3.8370E-02	1.8420E-01	8.1080E-02	3.0370E-01
TUBS(DATUBS5)	7.0200E-02	2.1880E-01	2.6910E-02	3.1590E-01	3.9430E-02	1.8200E-01	7.8260E-02	2.9970E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU240 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.6400E-02	4.2700E-02	2.8700E-02	8.7800E-02	1.0300E-02	3.5300E-02	6.6000E-02	1.1200E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.6200E-02	3.8170E-02	3.6150E-02	9.0520E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.6180E-02	3.8910E-02	3.5610E-02	9.0690E-02	1.0190E-02	3.2100E-02	7.2940E-02	1.1520E-01
HITACHI(J2)	1.6580E-02	4.1670E-02	3.5050E-02	9.3340E-02	1.0390E-02	3.3860E-02	7.3670E-02	1.1790E-01
IKE	1.6601E-02	4.1684E-02	3.2857E-02	9.1142E-02	1.0494E-02	3.3749E-02	7.1343E-02	1.1559E-01
JAERI(SRAC)	1.6816E-02	4.1042E-02	3.1652E-02	8.9510E-02	1.0631E-02	3.3794E-02	7.0385E-02	1.1481E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.6604E-02	3.7987E-02	3.0248E-02	8.4839E-02	1.0290E-02	3.2404E-02	6.8856E-02	1.1155E-01
KFK(1985LIB.)	1.6669E-02	3.7908E-02	2.7334E-02	8.1912E-02	1.0366E-02	3.2599E-02	6.3592E-02	1.0656E-01
MAPI-CRC	1.6970E-02	4.0740E-02	3.4290E-02	9.2000E-02	1.0670E-02	3.3270E-02	7.2280E-02	1.1620E-01
NAIG	1.6982E-02	3.8618E-02	3.4674E-02	9.0274E-02	1.0491E-02	3.2126E-02	7.4422E-02	1.1704E-01
PNC	1.7380E-02	4.1490E-02	3.5710E-02	9.4590E-02	1.0670E-02	3.4700E-02	7.5810E-02	1.2120E-01
PSI(BOXER)	1.7056E-02	3.9122E-02	3.1656E-02	8.7834E-02	1.0606E-02	3.1979E-02	7.0364E-02	1.1295E-01
PSI(DANDE)	1.6177E-02	3.9929E-02	3.4091E-02	9.0197E-02	1.0046E-02	3.3091E-02	7.3277E-02	1.1641E-01
STUDSVIK	0.0	0.0	0.0	8.0080E-02	0.0	0.0	0.0	1.0753E-01
TUBS(DATUBS4)	1.6080E-02	4.0080E-02	3.3560E-02	8.9710E-02	1.0150E-02	3.3860E-02	7.2390E-02	1.1640E-01
TUBS(DATUBS5)	1.6330E-02	4.3110E-02	3.1670E-02	9.1110E-02	1.0350E-02	3.6630E-02	6.9360E-02	1.1630E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU241 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.5400E-02	6.4300E-02	4.8400E-03	8.4600E-02	1.1000E-02	7.2100E-02	1.6400E-02	9.9500E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.5790E-02	6.6460E-02	6.2370E-03	8.8490E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.5570E-02	6.7420E-02	5.7630E-03	8.8450E-02	1.1030E-02	7.2750E-02	1.8600E-02	1.0240E-01
HITACHI(J2)	1.5950E-02	6.8060E-02	5.9520E-03	8.9960E-02	1.1130E-02	7.5050E-02	1.8940E-02	1.0510E-01
IKE	1.5930E-02	6.4532E-02	5.5225E-03	8.5985E-02	1.1185E-02	7.2990E-02	1.8032E-02	1.0221E-01
JAERI(SRAC)	1.5863E-02	6.4287E-02	5.1202E-03	8.5269E-02	1.1189E-02	7.2524E-02	1.7620E-02	1.0133E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.5303E-02	6.1399E-02	4.7060E-03	8.1409E-02	1.0899E-02	7.2231E-02	1.6737E-02	9.9868E-02
KFK(1985LIB.)	1.4999E-02	5.9611E-02	4.1479E-03	7.8759E-02	1.0760E-02	7.0798E-02	1.5247E-02	9.6806E-02
MAPI-CRC	1.6110E-02	6.4550E-02	5.6050E-03	8.6260E-02	1.1290E-02	7.1080E-02	1.7840E-02	1.0020E-01
NAIG	1.6292E-02	6.6203E-02	5.3998E-03	8.7895E-02	1.1542E-02	7.5686E-02	1.7833E-02	1.0506E-01
PNC	1.6510E-02	6.7550E-02	5.8600E-03	8.9920E-02	1.1550E-02	7.5800E-02	1.9170E-02	1.0650E-01
PSI(BOXER)	1.6119E-02	6.3683E-02	5.0084E-03	8.4810E-02	1.1463E-02	7.1949E-02	1.7427E-02	1.0084E-01
PSI(DANDE)	1.5959E-02	6.6901E-02	5.5209E-03	8.8381E-02	1.1234E-02	7.5475E-02	1.7898E-02	1.0461E-01
STUDSVIK	0.0	0.0	0.0	8.6610E-02	0.0	0.0	0.0	1.0407E-01
TUBS(DATUBS4)	1.5840E-02	6.2640E-02	7.7860E-03	8.6270E-02	1.1210E-02	6.8640E-02	2.2460E-02	1.0230E-01
TUBS(DATUBS5)	1.6190E-02	6.0780E-02	8.0220E-03	8.4990E-02	1.1330E-02	6.7910E-02	2.2570E-02	1.0180E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU242 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.4700E-03	7.1900E-03	9.8700E-03	2.0500E-02	2.3700E-03	5.9000E-03	1.6500E-02	2.4800E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.5100E-03	7.7760E-03	1.1060E-02	2.2350E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	3.4760E-03	6.7130E-03	1.1390E-02	2.1580E-02	2.3940E-03	5.5100E-03	1.7880E-02	2.5790E-02
HITACHI(J2)	3.8500E-03	6.5560E-03	1.1120E-02	2.1530E-02	2.6140E-03	5.3610E-03	1.7620E-02	2.5600E-02
IKE	3.8678E-03	7.1604E-03	1.0230E-02	2.1258E-02	2.6555E-03	5.8991E-03	1.6824E-02	2.5378E-02
JAERI(SRAC)	3.8449E-03	7.1948E-03	1.0331E-02	2.1371E-02	2.6373E-03	5.9241E-03	1.6949E-02	2.5508E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.8392E-03	7.1480E-03	9.4636E-03	2.0451E-02	2.6870E-03	6.0954E-03	1.5365E-02	2.4148E-02
KFK(1985LIB.)	3.4057E-03	6.4132E-03	1.4550E-02	2.4369E-02	2.2626E-03	5.2597E-03	2.5091E-02	3.2614E-02
MAPI-CRC	3.9670E-03	6.8200E-03	9.7460E-03	2.0530E-02	2.6920E-03	5.6420E-03	1.4870E-02	2.3210E-02
NAIG	4.0214E-03	6.7138E-03	1.0729E-02	2.1464E-02	2.7043E-03	5.4755E-03	1.7349E-02	2.5529E-02
PNC	4.0340E-03	7.0070E-03	1.0580E-02	2.1620E-02	2.7370E-03	5.7950E-03	1.6370E-02	2.4900E-02
PSI(BOXER)	3.2854E-03	6.9419E-03	1.6582E-02	2.6809E-02	2.1870E-03	5.6080E-03	2.7057E-02	3.4852E-02
PSI(DANDE)	3.7191E-03	6.7281E-03	1.2493E-02	2.2940E-02	2.5053E-03	5.4670E-03	1.9994E-02	2.7968E-02
STUDSVIK	0.0	0.0	0.0	2.9110E-02	0.0	0.0	0.0	3.6680E-02
TUBS(DATUBS4)	3.6380E-03	8.2250E-03	9.4250E-03	2.1290E-02	2.4970E-03	8.2210E-03	1.5320E-02	2.6040E-02
TUBS(DATUBS5)	3.7720E-03	8.6950E-03	9.0000E-03	2.1740E-02	2.6080E-03	8.8470E-03	1.4880E-02	2.6340E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF AM241 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	9.4200E-04	3.6400E-03	1.6200E-03	6.2100E-03	6.2200E-04	3.5000E-03	3.5500E-03	7.6700E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	6.0480E-04	4.2460E-03	2.0140E-03	6.8650E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.0940E-03	3.8750E-03	1.6170E-03	6.5860E-03	7.1880E-04	3.5810E-03	3.4800E-03	7.7800E-03
HITACHI(J2)	1.0750E-03	3.8760E-03	1.6270E-03	6.5780E-03	7.0070E-04	3.5690E-03	3.4680E-03	7.7380E-03
IKE	1.0437E-03	3.7194E-03	1.8115E-03	6.5747E-03	6.6927E-04	3.4714E-03	3.8967E-03	8.0375E-03
JAERI(SRAC)	1.0544E-03	3.6620E-03	1.5253E-03	6.2416E-03	6.9202E-04	3.4487E-03	3.3853E-03	7.5259E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	9.7227E-04	3.5069E-03	1.5686E-03	6.0479E-03	6.3281E-04	3.3360E-03	3.5732E-03	7.5420E-03
KFK(1985LIB.)	9.6343E-04	3.4560E-03	1.3803E-03	5.7998E-03	6.2983E-04	3.3122E-03	3.2460E-03	7.1882E-03
MAPI-CRC	1.1860E-03	4.1170E-03	1.8850E-03	7.1880E-03	7.7540E-04	3.7170E-03	3.9290E-03	8.4220E-03
NAIG	6.3800E-04	4.6320E-03	2.0588E-03	7.3290E-03	4.2610E-04	4.4467E-03	4.2165E-03	9.0890E-03
PNC	1.2490E-03	4.2560E-03	2.0130E-03	7.5190E-03	8.1190E-04	3.9350E-03	4.2580E-03	9.0050E-03
PSI(BOXER)	6.5895E-04	4.4703E-03	1.7474E-03	6.8767E-03	4.4428E-04	4.3263E-03	3.7889E-03	8.5595E-03
PSI(DANDE)	1.0201E-03	3.7053E-03	1.7799E-03	6.5053E-03	6.5494E-04	3.4361E-03	3.8375E-03	7.9286E-03
STUDSVIK	0.0	0.0	0.0	5.0400E-03	0.0	0.0	0.0	6.7600E-03
TUBS(DATUBS4)	9.7190E-04	3.8370E-03	1.5890E-03	6.3970E-03	6.3840E-04	3.6380E-03	3.4940E-03	7.7700E-03
TUBS(DATUBS5)	1.0430E-03	3.5820E-03	1.5320E-03	6.1560E-03	6.6900E-04	3.3830E-03	3.3920E-03	7.4450E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF AM243 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	8.2100E-04	4.8500E-03	3.8600E-03	9.5200E-03	6.1800E-04	5.2600E-03	7.7500E-03	1.3600E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	7.3120E-04	4.5160E-03	3.6400E-03	8.8870E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.1910E-03	5.3470E-03	3.8780E-03	1.0420E-02	8.5480E-04	5.4390E-03	7.4300E-03	1.3724E-02
HITACHI(J2)	1.1410E-03	5.1960E-03	3.8080E-03	1.0150E-02	8.1340E-04	5.2830E-03	7.1850E-03	1.3280E-02
IKE	1.1367E-03	4.9827E-03	3.8574E-03	9.9769E-03	8.1095E-04	5.2335E-03	7.4962E-03	1.3541E-02
JAERI(SRAC)	1.1455E-03	4.9944E-03	3.6183E-03	9.7582E-03	8.1732E-04	5.1950E-03	7.1487E-03	1.3161E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.0028E-03	4.6743E-03	3.4154E-03	9.0924E-03	6.9183E-04	4.8326E-03	6.6827E-03	1.2207E-02
KFK(1985LIB.)	1.4819E-03	6.8536E-03	4.3643E-03	1.2700E-02	1.1294E-03	7.8427E-03	9.5015E-03	1.8474E-02
MAPI-CRC	1.0830E-03	4.8650E-03	3.6190E-03	9.5670E-03	8.0040E-04	5.1090E-03	6.9310E-03	1.2840E-02
NAIG	7.2050E-04	4.2322E-03	2.9116E-03	7.8640E-03	5.4740E-04	4.5308E-03	5.8452E-03	1.0923E-02
PNC	0.0	4.5460E-03	3.6860E-03	8.2320E-03	0.0	4.4950E-03	6.7780E-03	1.1270E-02
PSI(BOXER)	1.0566E-03	5.7736E-03	4.4295E-03	1.1260E-02	8.1764E-04	6.2312E-03	9.0938E-03	1.6143E-02
PSI(DANDE)	1.2149E-03	5.6155E-03	4.2399E-03	1.1070E-02	8.6086E-04	5.8836E-03	8.1657E-03	1.4910E-02
STUDSVIK	0.0	0.0	0.0	1.1610E-02	0.0	0.0	0.0	1.6630E-02
TUBS(DATUBS4)	7.4820E-04	4.4800E-03	2.3960E-03	7.6240E-03	5.6800E-04	4.8540E-03	5.1630E-03	1.0580E-02
TUBS(DATUBS5)	7.5330E-04	4.4320E-03	2.2930E-03	7.4790E-03	5.7060E-04	4.8040E-03	4.9790E-03	1.0350E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF CM244 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.9200E-04	1.4000E-03	5.3300E-06	1.8000E-03	3.5400E-04	2.1600E-03	1.3900E-05	2.5400E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.0890E-04	1.4240E-03	4.7080E-06	1.7370E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	3.2510E-04	1.4920E-03	7.5650E-06	1.8240E-03	2.7930E-04	2.0470E-03	1.8120E-05	2.3440E-03
HITACHI(J2)	3.0780E-04	1.4440E-03	7.3440E-06	1.7590E-03	2.6160E-04	1.9930E-03	1.7580E-05	2.2720E-03
IKE	3.3296E-04	1.4365E-03	6.8900E-06	1.7763E-03	2.9120E-04	2.1343E-03	1.7258E-05	2.4427E-03
JAERI(SRAC)	3.1599E-04	1.3861E-03	9.1388E-06	1.7112E-03	2.7601E-04	1.9875E-03	2.1962E-05	2.2855E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.3067E-04	1.4874E-03	6.0045E-06	1.8240E-03	2.7959E-04	2.2445E-03	1.5518E-05	2.5396E-03
KFK(1985LIB.)	4.7399E-04	2.0820E-03	7.4174E-06	2.5635E-03	4.4812E-04	3.4942E-03	2.2366E-08	3.9647E-03
MAPI-CRC	3.0150E-04	1.6660E-03	6.7840E-06	1.9740E-03	2.6870E-04	2.4010E-03	1.7000E-05	2.6860E-03
NAIG	2.4680E-04	1.2142E-03	4.9000E-06	1.4660E-03	2.2300E-04	1.7989E-03	1.2500E-05	2.0340E-03
PNC	0.0	1.6120E-03	5.9800E-06	1.6180E-03	0.0	2.2330E-03	1.4230E-05	2.2470E-03
PSI(BOXER)	3.8871E-04	1.5801E-03	5.5991E-06	1.9754E-03	3.6094E-04	2.5253E-03	1.8534E-05	2.9048E-03
PSI(DANDE)	3.3385E-04	1.6299E-03	7.1577E-06	1.9709E-03	2.8674E-04	2.4346E-03	1.7716E-05	2.7391E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.3330E-04	1.1420E-03	4.3980E-06	1.3800E-03	2.1800E-04	1.7860E-03	1.2190E-05	2.0160E-03
TUBS(DATUBS5)	2.2680E-04	1.1030E-03	4.0420E-06	1.3340E-03	2.1260E-04	1.7350E-03	1.1260E-05	1.9590E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF FP-TOTAL (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.4500E-03	4.5600E-02	6.1200E-03	5.6100E-02	2.8700E-03	5.1000E-02	1.2800E-02	6.6700E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	4.6538E-03	4.5590E-02	5.3210E-03	5.5560E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	4.0720E-03	4.3970E-02	6.5540E-03	5.4600E-02	2.6220E-03	4.6110E-02	1.3560E-02	6.2300E-02
HITACHI(J2)	4.0450E-03	4.4220E-02	6.5480E-03	5.4750E-02	2.6140E-03	4.6580E-02	1.3540E-02	6.2740E-02
IKE	3.4115E-03	4.1740E-02	6.1239E-03	5.1276E-02	2.1947E-03	4.6684E-02	1.2998E-02	6.1877E-02
JAERI(SRAC)	4.3253E-03	4.5523E-02	5.9211E-03	5.5770E-02	2.8346E-03	4.9596E-02	1.3152E-02	6.5582E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.7846E-03	3.4071E-02	4.5423E-03	4.1399E-02	1.8044E-03	3.9492E-02	1.0457E-02	5.1753E-02
KFK(1985LIB.)	3.6418E-03	3.9978E-02	4.7035E-03	4.8324E-02	2.3884E-03	4.6664E-02	1.0895E-02	5.9948E-02
MAPI-CRC	2.0560E-04	4.7280E-02	6.3760E-03	5.3860E-02	1.3480E-04	4.8840E-02	1.2800E-02	6.1770E-02
NAIG	4.3090E-03	4.7438E-02	6.5263E-03	5.8275E-02	2.7885E-03	5.1642E-02	1.3749E-02	6.8179E-02
PNC	1.6070E-04	4.5700E-02	6.1790E-03	5.2040E-02	1.0250E-04	4.8030E-02	1.2460E-02	6.0590E-02
PSI(BOXER)	3.9755E-03	4.9567E-02	4.3120E-03	5.7854E-02	2.5546E-03	5.4430E-02	9.8861E-03	6.6870E-02
PSI(DANDE)	4.2516E-03	4.8491E-02	6.3308E-03	5.9073E-02	2.7286E-03	5.2534E-02	1.3369E-02	6.8632E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.8860E-03	4.2180E-02	5.9970E-03	5.2060E-02	2.5320E-03	4.6760E-02	1.3170E-02	6.2460E-02
TUBS(DATUBS5)	3.8410E-03	4.0820E-02	5.5910E-03	5.0260E-02	2.5080E-03	4.5510E-02	1.2430E-02	6.0440E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U235 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.5000E-03	4.3400E-03	3.0800E-04	6.1500E-03	1.0800E-03	4.4200E-03	8.9400E-04	6.3900E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.5110E-03	4.5460E-03	3.5990E-04	6.4170E-03	1.0920E-03	4.5250E-03	1.0130E-03	6.6300E-03
HITACHI(J2)	1.4920E-03	4.4670E-03	3.5320E-04	6.3120E-03	1.0760E-03	4.4430E-03	1.0140E-03	6.5330E-03
IKE	1.4849E-03	4.4383E-03	3.3679E-04	6.2600E-03	1.0741E-03	4.5404E-03	9.7415E-04	6.5887E-03
JAERI(SRAC)	1.4860E-03	4.3875E-03	3.0810E-04	6.1815E-03	1.0817E-03	4.4620E-03	9.3493E-04	6.4786E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.5017E-03	4.0237E-03	2.6436E-04	5.7898E-03	1.0857E-03	4.1798E-03	8.4327E-04	6.1087E-03
KFK(1985LIB.)	1.4904E-03	3.9748E-03	2.3264E-04	5.6980E-03	1.0813E-03	4.1578E-03	7.6915E-04	6.0084E-03
MAPI-CRC	1.5280E-03	4.3020E-03	3.3060E-04	6.1610E-03	1.1060E-03	4.2360E-03	9.5130E-04	6.2930E-03
NAIG	1.5340E-03	4.5656E-03	3.2260E-04	6.4220E-03	1.0999E-03	4.6187E-03	9.3020E-04	6.6490E-03
PNC	1.6810E-03	4.2870E-03	3.3550E-04	6.3040E-03	1.1970E-03	4.2840E-03	9.7340E-04	6.4540E-03
PSI(BOXER)	1.5506E-03	4.3467E-03	2.9295E-04	6.1903E-03	1.1110E-03	4.4965E-03	9.0022E-04	6.5077E-03
PSI(DANDE)	1.4892E-03	4.4461E-03	3.2101E-04	6.2563E-03	1.0722E-03	4.4843E-03	9.3827E-04	6.4948E-03
STUDSVIK	0.0	0.0	0.0	6.4100E-03	0.0	0.0	0.0	6.5700E-03
TUBS(DATUBS4)	1.5220E-03	4.4210E-03	3.0810E-04	6.2520E-03	1.0980E-03	4.5250E-03	9.5570E-04	6.5790E-03
TUBS(DATUBS5)	1.4980E-03	4.2850E-03	2.8270E-04	6.0660E-03	1.0860E-03	4.4160E-03	8.7840E-04	6.3800E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U238 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.0600E-02	0.0	7.4000E-13	5.0600E-02	4.6100E-02	0.0	1.3000E-12	4.6100E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.9020E-02	1.2610E-05	2.2400E-10	4.9030E-02	4.4190E-02	9.7140E-06	4.0490E-10	4.4200E-02
HITACHI(J2)	5.0830E-02	2.3330E-05	2.3960E-09	5.0860E-02	4.5850E-02	1.7950E-05	5.3530E-09	4.5870E-02
IKE	5.3235E-02	2.2596E-05	2.2418E-09	5.3258E-02	4.8911E-02	1.7615E-05	5.1343E-09	4.8929E-02
JAERI(SRAC)	5.3881E-02	2.5268E-05	0.0	5.3906E-02	4.8325E-02	1.9522E-05	0.0	4.8345E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.1219E-02	0.0	0.0	5.1219E-02	4.6436E-02	0.0	0.0	4.6436E-02
KFK(1985LIB.)	5.0441E-02	0.0	0.0	5.0442E-02	4.5893E-02	0.0	0.0	4.5894E-02
MAPI-CRC	5.5020E-02	2.3470E-05	2.3260E-09	5.5040E-02	4.9830E-02	1.8540E-05	5.2010E-09	4.9850E-02
NAIG	5.4692E-02	2.3700E-05	0.0	5.4715E-02	4.7800E-02	1.8600E-05	0.0	4.7819E-02
PNC	5.2160E-02	0.0	0.0	5.2160E-02	4.7120E-02	0.0	0.0	4.7120E-02
PSI(BOXER)	5.3182E-02	2.1866E-05	1.4904E-09	5.3204E-02	4.7930E-02	1.6824E-05	2.7092E-09	4.7947E-02
PSI(DANDE)	4.9956E-02	2.3593E-05	2.2395E-09	4.9980E-02	4.5698E-02	1.8542E-05	5.1141E-09	4.5717E-02
STUDSVIK	0.0	0.0	0.0	5.6660E-02	0.0	0.0	0.0	5.1160E-02
TUBS(DATUBS4)	5.1960E-02	4.2510E-06	0.0	5.1970E-02	4.7910E-02	3.2680E-06	0.0	4.7920E-02
TUBS(DATUBS5)	5.3070E-02	2.5260E-05	1.8610E-09	5.3100E-02	4.8880E-02	1.9460E-05	4.5830E-09	4.8890E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU239 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.2000E-02	1.2100E-01	2.0600E-02	2.0300E-01	3.4500E-02	9.8500E-02	5.5300E-02	1.8800E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	6.0430E-02	1.2070E-01	2.3540E-02	2.0470E-01	3.3610E-02	9.8520E-02	6.0470E-02	1.9260E-01
HITACHI(J2)	6.0030E-02	1.2130E-01	2.3490E-02	2.0480E-01	3.3240E-02	9.7720E-02	6.0400E-02	1.9140E-01
IKE	6.0962E-02	1.2162E-01	2.2540E-02	2.0513E-01	3.4112E-02	9.7546E-02	5.9664E-02	1.9132E-01
JAERI(SRAC)	6.0824E-02	1.2033E-01	2.0447E-02	2.0160E-01	3.4084E-02	9.8132E-02	5.7229E-02	1.8944E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.0213E-02	1.1617E-01	1.9191E-02	1.9557E-01	3.3420E-02	9.6599E-02	5.3667E-02	1.8369E-01
KFK(1985LIB.)	6.0250E-02	1.1541E-01	1.7409E-02	1.9307E-01	3.3643E-02	9.6824E-02	4.9997E-02	1.8047E-01
MAPI-CRC	6.2170E-02	1.1980E-01	2.2100E-02	2.0410E-01	3.4890E-02	9.7420E-02	5.7850E-02	1.9020E-01
NAIG	6.2497E-02	1.2063E-01	2.2036E-02	2.0517E-01	3.4437E-02	9.7276E-02	5.8229E-02	1.8994E-01
PNC	6.3120E-02	1.2010E-01	2.2710E-02	2.0600E-01	3.4550E-02	9.7140E-02	5.9530E-02	1.9120E-01
PSI(BOXER)	6.2954E-02	1.2019E-01	2.0441E-02	2.0359E-01	3.4718E-02	9.8388E-02	5.5921E-02	1.8903E-01
PSI(DANDE)	6.1222E-02	1.2288E-01	2.2415E-02	2.0652E-01	3.3988E-02	9.9438E-02	5.9007E-02	1.9243E-01
STUDSVIK	0.0	0.0	0.0	2.0449E-01	0.0	0.0	0.0	1.9055E-01
TUBS(DATUBS4)	6.0700E-02	1.2620E-01	1.8940E-02	2.0580E-01	3.4350E-02	1.0440E-01	5.3310E-02	1.9210E-01
TUBS(DATUBS5)	6.1500E-02	1.2470E-01	1.8250E-02	2.0440E-01	3.4990E-02	1.0360E-01	5.1760E-02	1.9040E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU240 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.1700E-02	1.0400E-03	5.6100E-06	1.2700E-02	7.7300E-03	6.9100E-04	1.2800E-05	8.4300E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.1470E-02	1.0190E-03	6.9410E-06	1.2500E-02	7.6340E-03	6.7660E-04	1.4160E-05	8.3240E-03
HITACHI(J2)	1.1380E-02	1.1770E-03	7.0130E-06	1.2560E-02	7.5750E-03	7.8360E-04	1.4680E-05	8.3730E-03
IKE	1.1500E-02	1.1773E-03	6.5645E-06	1.2683E-02	7.7299E-03	7.7954E-04	1.4204E-05	8.5237E-03
JAERI(SRAC)	1.1666E-02	1.1754E-03	6.3268E-06	1.2847E-02	7.8152E-03	7.8805E-04	1.4023E-05	8.6171E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.1278E-02	6.8607E-04	5.6122E-06	1.1970E-02	7.3949E-03	4.8359E-04	1.2738E-05	7.8911E-03
KFK(1985LIB.)	1.1312E-02	6.8712E-04	5.0660E-06	1.2005E-02	7.4403E-03	4.8796E-04	1.1759E-05	7.9401E-03
MAPI-CRC	1.1840E-02	1.1190E-03	6.8490E-06	1.2960E-02	7.8980E-03	7.5510E-04	1.4390E-05	8.6670E-03
NAIG	1.2053E-02	5.4180E-04	6.3000E-06	1.2601E-02	7.8487E-03	3.4430E-04	1.3600E-05	8.2070E-03
PNC	1.2180E-02	1.1280E-03	7.1270E-06	1.3310E-02	7.8760E-03	7.6570E-04	1.5080E-05	8.6570E-03
PSI(BOXER)	1.2336E-02	9.9051E-04	6.1621E-06	1.3333E-02	8.0618E-03	6.6314E-04	1.3646E-05	8.7386E-03
PSI(DANDE)	1.1099E-02	1.1148E-03	6.7970E-06	1.2220E-02	7.3296E-03	7.5432E-04	1.4563E-05	8.0984E-03
STUDSVIK	0.0	0.0	0.0	1.2480E-02	0.0	0.0	0.0	8.3500E-03
TUBS(DATUBS4)	1.1330E-02	1.0110E-03	6.3210E-06	1.2350E-02	7.6000E-03	6.8530E-04	1.3300E-05	8.2980E-03
TUBS(DATUBS5)	1.1110E-02	1.1750E-03	6.2860E-06	1.2290E-02	7.5300E-03	8.0670E-04	1.3750E-05	8.3510E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU241 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.3600E-02	5.1300E-02	3.8600E-03	6.8900E-02	9.8200E-03	5.8100E-02	1.2600E-02	8.0600E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.3730E-02	5.3620E-02	4.5760E-03	7.1930E-02	9.7830E-03	5.8280E-02	1.4260E-02	8.2320E-02
HITACHI(J2)	1.3810E-02	5.1750E-02	4.6120E-03	7.0170E-02	9.6960E-03	5.6750E-02	1.4340E-02	8.0790E-02
IKE	1.3771E-02	4.9204E-02	4.2797E-03	6.7255E-02	9.7127E-03	5.5127E-02	1.3664E-02	7.8504E-02
JAERI(SRAC)	1.3750E-02	4.8943E-02	3.9749E-03	6.6669E-02	9.7499E-03	5.4745E-02	1.3361E-02	7.7855E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.3506E-02	4.6090E-02	3.6010E-03	6.3198E-02	9.6912E-03	5.4113E-02	1.2440E-02	7.6244E-02
KFK(1985LIB.)	1.3236E-02	4.4749E-02	3.1577E-03	6.1145E-02	9.5656E-03	5.3040E-02	1.1308E-02	7.3914E-02
MAPI-CRC	1.4020E-02	4.9470E-02	4.3330E-03	6.7830E-02	9.8960E-03	5.4190E-02	1.3510E-02	7.7590E-02
NAIG	1.4139E-02	5.0689E-02	4.1914E-03	6.9020E-02	1.0068E-02	5.7572E-02	1.3514E-02	8.1154E-02
PNC	1.4350E-02	5.1690E-02	4.5290E-03	7.0580E-02	1.0100E-02	5.7740E-02	1.4500E-02	8.2340E-02
PSI(BOXER)	1.4291E-02	5.0723E-02	3.9592E-03	6.8973E-02	1.0234E-02	5.7851E-02	1.3350E-02	8.1435E-02
PSI(DANDE)	1.3860E-02	5.1273E-02	4.2606E-03	6.9394E-02	9.8223E-03	5.7596E-02	1.3537E-02	8.0955E-02
STUDSVIK	0.0	0.0	0.0	6.7530E-02	0.0	0.0	0.0	7.9960E-02
TUBS(DATUBS4)	1.3980E-02	5.0720E-02	5.7600E-03	7.0460E-02	9.9550E-03	5.6310E-02	1.6550E-02	8.2810E-02
TUBS(DATUBS5)	1.4020E-02	4.7330E-02	5.5510E-03	6.6900E-02	9.8700E-03	5.2870E-02	1.6080E-02	7.8810E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU242 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.6700E-03	0.0	0.0	2.6700E-03	1.9100E-03	0.0	0.0	1.9100E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	2.6530E-03	0.0	0.0	2.6530E-03	1.9170E-03	0.0	0.0	1.9170E-03
HITACHI(J2)	2.5350E-03	4.2590E-05	8.1140E-06	2.5850E-03	1.8460E-03	3.0650E-05	1.3180E-05	1.8900E-03
IKE	2.5713E-03	4.1797E-05	6.8535E-06	2.6199E-03	1.8933E-03	3.0023E-05	1.1277E-05	1.9346E-03
JAERI(SRAC)	2.5652E-03	4.3266E-05	7.5008E-06	2.6159E-03	1.8801E-03	3.1499E-05	1.2631E-05	1.9243E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.5858E-03	1.7640E-05	2.9687E-09	2.6035E-03	1.9241E-03	1.3894E-05	5.6997E-09	1.9380E-03
KFK(1985LIB.)	2.2916E-03	1.5778E-05	2.2580E-09	2.3074E-03	1.6180E-03	1.1936E-05	4.2835E-09	1.6300E-03
MAPI-CRC	2.6630E-03	4.0790E-05	7.1720E-06	2.7110E-03	1.9360E-03	3.0240E-05	1.1290E-05	1.9770E-03
NAIG	2.7312E-03	4.1200E-05	7.8000E-06	2.7800E-03	1.9521E-03	3.0200E-05	1.2900E-05	1.9950E-03
PNC	2.7200E-03	4.1760E-05	2.2360E-05	2.7840E-03	1.9620E-03	3.0980E-05	3.3400E-05	2.0260E-03
PSI(BOXER)	2.5587E-03	0.0	0.0	2.5587E-03	1.7807E-03	0.0	0.0	1.7807E-03
PSI(DANDE)	2.4472E-03	3.9295E-05	8.3665E-06	2.4949E-03	1.7713E-03	2.8474E-05	1.3396E-05	1.8132E-03
STUDSVIK	0.0	0.0	0.0	2.4800E-03	0.0	0.0	0.0	1.7600E-03
TUBS(DATUBS4)	2.4550E-03	3.7280E-05	4.1610E-09	2.4920E-03	1.8110E-03	2.7340E-05	9.3800E-09	1.8390E-03
TUBS(DATUBS5)	2.4720E-03	4.2900E-05	6.0280E-06	2.5230E-03	1.8460E-03	3.2410E-05	9.9750E-06	1.8890E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF AM241 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.6100E-04	2.4900E-05	6.4300E-06	3.9200E-04	2.7900E-04	2.2300E-05	1.4800E-05	3.1600E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	3.8560E-04	3.0130E-05	7.8880E-06	4.2370E-04	2.9650E-04	2.7230E-05	1.7410E-05	3.4120E-04
HITACHI(J2)	3.7370E-04	3.0120E-05	7.9390E-06	4.1170E-04	2.8690E-04	2.7200E-05	1.7400E-05	3.3150E-04
IKE	3.3684E-04	2.5633E-05	1.0598E-05	3.7307E-04	2.5775E-04	2.4084E-05	2.4015E-05	3.0585E-04
JAERI(SRAC)	3.7936E-04	2.8552E-05	7.3653E-06	4.1527E-04	2.9037E-04	2.6222E-05	1.6838E-05	3.3343E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.6493E-04	2.4644E-05	8.7693E-06	3.9835E-04	2.7626E-04	2.3606E-05	2.1258E-05	3.2113E-04
KFK(1985LIB.)	3.6052E-04	2.4265E-05	7.7477E-06	3.9254E-04	2.7396E-04	2.3405E-05	1.9319E-05	3.1669E-04
MAPI-CRC	4.2620E-04	3.2430E-05	9.1230E-06	4.6780E-04	3.2760E-04	2.8750E-05	1.9530E-05	3.7590E-04
NAIG	3.5910E-04	1.8420E-04	9.8000E-06	5.5300E-04	2.6350E-04	1.3390E-04	2.1200E-05	4.1900E-04
PNC	4.4580E-04	3.3690E-05	9.5140E-06	4.8900E-04	3.3670E-04	3.0470E-05	2.0940E-05	3.8810E-04
PSI(BOXER)	3.7155E-04	1.8142E-04	7.9592E-06	5.6093E-04	2.7598E-04	1.3191E-04	1.8484E-05	4.2637E-04
PSI(DANDE)	3.1504E-04	2.5843E-05	1.0242E-05	3.5113E-04	2.4151E-04	2.4224E-05	2.3280E-05	2.8901E-04
STUDSVIK	0.0	0.0	0.0	3.3000E-04	0.0	0.0	0.0	2.5000E-04
TUBS(DATUBS4)	3.7110E-04	2.6130E-05	6.6090E-06	4.0390E-04	2.8570E-04	2.3250E-05	1.5270E-05	3.2420E-04
TUBS(DATUBS5)	3.3130E-04	2.4670E-05	9.6490E-06	3.6560E-04	2.5400E-04	2.3500E-05	2.1890E-05	2.9940E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF AM243 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.1900E-04	9.7400E-07	0.0	4.2000E-04	3.5800E-04	6.8000E-07	0.0	3.5900E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.3350E-04	1.6350E-05	1.1180E-05	4.6110E-04	3.6560E-04	1.6630E-05	2.1310E-05	4.0350E-04
HITACHI(J2)	4.0900E-04	1.5890E-05	1.0970E-05	4.3590E-04	3.4490E-04	1.6160E-05	2.0610E-05	3.8160E-04
IKE	3.6456E-04	3.7594E-06	2.5057E-06	3.7082E-04	3.1197E-04	3.8389E-06	4.8459E-06	3.2065E-04
JAERI(SRAC)	4.2587E-04	1.5279E-05	1.0433E-05	4.5157E-04	3.5558E-04	1.5903E-05	2.0511E-05	3.9199E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.1950E-04	2.1926E-06	1.7992E-08	4.2171E-04	3.3360E-04	1.5576E-06	3.5310E-08	3.3519E-04
KFK(1985LIB.)	6.1826E-04	3.2380E-06	2.2623E-08	6.2153E-04	5.4278E-04	2.5485E-06	5.1191E-08	5.4539E-04
MAPI-CRC	4.0350E-04	1.4890E-05	1.0410E-05	4.2880E-04	3.5170E-04	1.5650E-05	1.9870E-05	3.8720E-04
NAIG	4.0170E-04	0.0	0.0	4.0200E-04	3.3940E-04	0.0	0.0	3.3900E-04
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	5.8819E-04	0.0	0.0	5.8819E-04	5.0805E-04	0.0	0.0	5.0805E-04
PSI(DANDE)	3.7285E-04	4.2224E-06	2.7483E-06	3.7982E-04	3.1761E-04	4.3101E-06	5.2734E-06	3.2719E-04
STUDSVIK	0.0	0.0	0.0	6.0000E-04	0.0	0.0	0.0	5.1000E-04
TUBS(DATUBS4)	4.0280E-04	0.0	0.0	4.0280E-04	3.4570E-04	0.0	0.0	3.4570E-04
TUBS(DATUBS5)	4.0290E-04	0.0	0.0	4.0290E-04	3.4560E-04	0.0	0.0	3.4560E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF CM244 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.4200E-04	3.5400E-05	1.3200E-07	2.7800E-04	2.3700E-04	4.9700E-05	4.0600E-07	2.8700E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	2.3120E-04	3.8640E-05	4.5550E-07	2.7030E-04	2.0920E-04	4.7960E-05	1.1670E-06	2.5830E-04
HITACHI(J2)	2.1730E-04	3.7430E-05	4.4370E-07	2.5510E-04	1.9500E-04	4.6790E-05	1.1330E-06	2.4290E-04
IKE	2.2850E-04	4.3005E-05	2.4946E-07	2.7175E-04	2.1330E-04	5.3805E-05	7.3010E-07	2.6784E-04
JAERI(SRAC)	2.2510E-04	3.6133E-05	4.5008E-07	2.6169E-04	2.0710E-04	4.6746E-05	1.1979E-06	2.5505E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.3303E-04	4.0066E-05	2.1343E-07	2.7332E-04	2.0829E-04	5.2014E-05	6.4784E-07	2.6095E-04
KFK(1985LIB.)	3.3375E-04	5.6659E-05	2.6812E-07	3.9068E-04	3.3343E-04	8.1915E-05	9.4567E-07	4.1629E-04
MAPI-CRC	2.1570E-04	3.9280E-05	4.0700E-07	2.5540E-04	2.0260E-04	5.1450E-05	1.0850E-06	2.5510E-04
NAIG	2.0310E-04	6.7500E-05	3.0000E-07	2.7100E-04	1.8920E-04	1.0080E-04	7.0000E-07	2.9100E-04
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	3.1998E-04	7.7441E-05	3.8997E-07	3.9781E-04	3.0637E-04	1.3265E-04	1.0916E-06	4.4011E-04
PSI(DANDE)	2.3029E-04	3.7845E-05	2.5512E-07	2.6839E-04	2.1051E-04	5.1908E-05	7.3550E-07	2.6315E-04
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.8830E-04	6.4080E-05	2.5990E-07	2.5270E-04	1.8280E-04	1.0070E-04	7.1800E-07	2.8420E-04
TUBS(DATUBS5)	1.8260E-04	6.1880E-05	2.3890E-07	2.4470E-04	1.7800E-04	9.7830E-05	6.6340E-05	2.7650E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U235 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.7600E-03	1.0500E-02	7.4500E-04	1.5000E-02	2.7400E-03	1.0700E-02	2.1600E-03	1.5600E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.7552E-03	9.7944E-03	9.5086E-04	1.4498E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	3.7880E-03	1.1000E-02	8.7170E-04	1.5660E-02	2.7570E-03	1.0950E-02	2.4560E-03	1.6160E-02
HITACHI(J2)	3.7440E-03	1.0850E-02	8.5780E-04	1.5450E-02	2.7190E-03	1.0790E-02	2.4630E-03	1.5970E-02
IKE	3.7311E-03	1.0815E-02	8.2065E-04	1.5367E-02	2.7185E-03	1.1064E-02	2.3737E-03	1.6156E-02
JAERI(SRAC)	3.7362E-03	1.0657E-02	7.4826E-04	1.5141E-02	2.7389E-03	1.0838E-02	2.2706E-03	1.5847E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.7742E-03	9.7497E-03	6.4059E-04	1.4164E-02	2.7465E-03	1.0128E-02	2.0433E-03	1.4917E-02
KFK(1985LIB.)	3.7444E-03	9.6313E-03	5.6373E-04	1.3940E-02	2.7341E-03	1.0075E-02	1.8637E-03	1.4672E-02
MAPI-CRC	3.8440E-03	1.0450E-02	8.0300E-04	1.5100E-02	2.8020E-03	1.0290E-02	2.3100E-03	1.5400E-02
NAIG	3.8588E-03	1.1125E-02	7.8620E-04	1.5770E-02	2.7832E-03	1.1254E-02	2.2667E-03	1.6304E-02
PNC	4.2190E-03	1.0440E-02	8.1600E-04	1.5480E-02	3.0220E-03	1.0430E-02	2.3670E-03	1.5820E-02
PSI(BOXER)	3.8968E-03	1.0514E-02	7.0860E-04	1.5120E-02	2.8132E-03	1.0876E-02	2.1775E-03	1.5867E-02
PSI(DANDE)	3.7365E-03	1.0834E-02	7.8220E-04	1.5353E-02	2.7085E-03	1.0927E-02	2.2863E-03	1.5922E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.8280E-03	1.0770E-02	7.5080E-04	1.5350E-02	2.7820E-03	1.1030E-02	2.3290E-03	1.6140E-02
TUBS(DATUBS5)	3.7640E-03	1.0440E-02	6.8880E-04	1.4890E-02	2.7490E-03	1.0760E-02	2.1400E-03	1.5650E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U238 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.4100E-01	0.0	1.7000E-12	1.4100E-01	1.2900E-01	0.0	3.1000E-12	1.2900E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.4641E-01	1.0782E-07	0.0	1.4641E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.3600E-01	2.9250E-05	5.1950E-10	1.3600E-01	1.2320E-01	2.3530E-05	9.3920E-10	1.2320E-01
HITACHI(J2)	1.4120E-01	5.4110E-05	5.5570E-09	1.4120E-01	1.2790E-01	4.1650E-05	1.2420E-08	1.2800E-01
IKE	1.4820E-01	5.2413E-05	5.1998E-09	1.4826E-01	1.3683E-01	4.0861E-05	1.1909E-08	1.3687E-01
JAERI(SRAC)	1.5026E-01	5.8606E-05	0.0	1.5032E-01	1.3539E-01	4.5278E-05	0.0	1.3544E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.4283E-01	0.0	0.0	1.4283E-01	1.2998E-01	0.0	0.0	1.2998E-01
KFK(1985LIB.)	1.4044E-01	0.0	0.0	1.4045E-01	1.2827E-01	0.0	0.0	1.2827E-01
MAPI-CRC	1.5380E-01	5.4440E-05	5.3960E-09	1.5380E-01	1.4000E-01	4.3010E-05	1.2060E-08	1.4000E-01
NAIG	1.5299E-01	4.1000E-06	0.0	1.5299E-01	1.3402E-01	2.9000E-06	0.0	1.3402E-01
PNC	1.4490E-01	0.0	0.0	1.4490E-01	1.3150E-01	0.0	0.0	1.3150E-01
PSI(BOXER)	1.4815E-01	5.0721E-05	3.4568E-09	1.4820E-01	1.3420E-01	3.9025E-05	6.2840E-09	1.3424E-01
PSI(DANDE)	1.3902E-01	5.4729E-05	5.1900E-09	1.3907E-01	1.2777E-01	4.3012E-05	1.1853E-08	1.2781E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.4590E-01	9.8610E-06	0.0	1.4590E-01	1.3520E-01	7.5800E-06	0.0	1.3520E-01
TUBS(DATUBS5)	1.4820E-01	5.8580E-05	4.3180E-09	1.4830E-01	1.3710E-01	4.5130E-05	1.0630E-08	1.3720E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU239 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.8600E-01	3.4700E-01	5.9100E-02	5.9200E-01	1.0400E-01	2.8300E-01	1.5900E-01	5.4600E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.8398E-01	3.4438E-01	6.7315E-02	5.9565E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.8120E-01	3.4690E-01	6.7650E-02	5.9570E-01	1.0150E-01	2.8310E-01	1.7370E-01	5.5830E-01
HITACHI(J2)	1.8060E-01	3.4940E-01	6.7680E-02	5.9770E-01	1.0080E-01	2.8150E-01	1.7400E-01	5.5630E-01
IKE	1.8254E-01	3.4469E-01	6.4659E-02	5.9190E-01	1.0300E-01	2.7629E-01	1.7120E-01	5.5049E-01
JAERI(SRAC)	1.8345E-01	3.4654E-01	5.8898E-02	5.8889E-01	1.0364E-01	2.8263E-01	1.6485E-01	5.5113E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.8170E-01	3.3512E-01	5.5359E-02	5.7218E-01	1.0164E-01	2.7866E-01	1.5478E-01	5.3507E-01
KFK(1985LIB.)	1.8173E-01	3.3292E-01	5.0217E-02	5.6488E-01	1.0226E-01	2.7930E-01	1.4419E-01	5.2576E-01
MAPI-CRC	1.8750E-01	3.4510E-01	6.3670E-02	5.9620E-01	1.0620E-01	2.8060E-01	1.6660E-01	5.5340E-01
NAIG	1.8867E-01	3.4740E-01	6.3636E-02	5.9971E-01	1.0473E-01	2.8013E-01	1.6821E-01	5.5308E-01
PNC	1.8980E-01	3.4600E-01	6.5420E-02	6.0130E-01	1.0470E-01	2.7980E-01	1.7150E-01	5.5600E-01
PSI(BOXER)	1.8922E-01	3.4536E-01	5.8734E-02	5.9331E-01	1.0518E-01	2.8271E-01	1.6068E-01	5.4857E-01
PSI(DANDE)	1.8299E-01	3.4825E-01	6.4301E-02	5.9554E-01	1.0239E-01	2.8165E-01	1.6932E-01	5.5336E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.8260E-01	3.6250E-01	5.4420E-02	5.9950E-01	1.0420E-01	3.0010E-01	1.5320E-01	5.5750E-01
TUBS(DATUBS5)	1.8410E-01	3.5340E-01	5.2360E-02	5.8980E-01	1.0560E-01	2.9350E-01	1.4850E-01	5.4770E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU240 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.6500E-02	2.9800E-03	1.6100E-05	3.9500E-02	2.4400E-02	1.9800E-03	3.6800E-05	2.6400E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.6388E-02	2.3258E-03	1.7316E-05	3.8727E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	3.5810E-02	2.9240E-03	1.9920E-05	3.8750E-02	2.3990E-02	1.9420E-03	4.0640E-05	2.5970E-02
HITACHI(J2)	3.4710E-02	3.2780E-03	1.9520E-05	3.8010E-02	2.3280E-02	2.1820E-03	4.0860E-05	2.5500E-02
IKE	3.5162E-02	3.2775E-03	1.8274E-05	3.8458E-02	2.3826E-02	2.1702E-03	3.9542E-05	2.6036E-02
JAERI(SRAC)	3.5711E-02	3.2722E-03	1.7612E-05	3.9001E-02	2.4088E-02	2.1939E-03	3.9038E-05	2.6321E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.5728E-02	1.9761E-03	1.6156E-05	3.7721E-02	2.3603E-02	1.3929E-03	3.6665E-05	2.5033E-02
KFK(1985LIB.)	3.5806E-02	1.9792E-03	1.4583E-05	3.7800E-02	2.3726E-02	1.4055E-03	3.3849E-05	2.5165E-02
MAPI-CRC	3.6240E-02	3.1160E-03	1.9070E-05	3.9380E-02	2.4370E-02	2.1020E-03	4.0060E-05	2.6510E-02
NAIG	3.7160E-02	1.5187E-03	1.7800E-05	3.8696E-02	2.4337E-02	9.6520E-04	3.8100E-05	2.5340E-02
PNC	3.7020E-02	3.1410E-03	1.9840E-05	4.0180E-02	2.4130E-02	2.1320E-03	4.1970E-05	2.6300E-02
PSI(BOXER)	3.8606E-02	2.8428E-03	1.7684E-05	4.1466E-02	2.5412E-02	1.9030E-03	3.9163E-05	2.7354E-02
PSI(DANDE)	3.3849E-02	3.1035E-03	1.8922E-05	3.6972E-02	2.2537E-02	2.1000E-03	4.0542E-05	2.4678E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.5670E-02	2.9020E-03	1.8140E-05	3.8590E-02	2.4100E-02	1.9670E-03	3.8160E-05	2.6100E-02
TUBS(DATUBS5)	3.4060E-02	3.2710E-03	1.7500E-05	3.7350E-02	2.3260E-02	2.2460E-03	3.8290E-05	2.5550E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU241 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.1400E-02	1.5100E-01	1.1300E-02	2.0300E-01	3.0000E-02	1.7000E-01	3.7000E-02	2.3700E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	4.2463E-02	1.5632E-01	1.4131E-02	2.1288E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	4.1640E-02	1.5720E-01	1.3420E-02	2.1230E-01	2.9870E-02	1.7090E-01	4.1810E-02	2.4260E-01
HITACHI(J2)	4.1830E-02	1.5170E-01	1.3520E-02	2.0710E-01	2.9560E-02	1.6640E-01	4.2060E-02	2.3800E-01
IKE	4.1762E-02	1.4429E-01	1.2549E-02	1.9860E-01	2.9664E-02	1.6165E-01	4.0066E-02	2.3138E-01
JAERI(SRAC)	4.1712E-02	1.4352E-01	1.1656E-02	1.9689E-01	2.9767E-02	1.6052E-01	3.9179E-02	2.2948E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.0895E-02	1.3481E-01	1.0526E-02	1.8623E-01	2.9534E-02	1.5826E-01	3.6359E-02	2.2415E-01
KFK(1985LIB.)	4.0067E-02	1.3089E-01	9.2299E-03	1.8019E-01	2.9139E-02	1.5512E-01	3.3051E-02	2.1731E-01
MAPI-CRC	4.2560E-02	1.4510E-01	1.2700E-02	2.0030E-01	3.0240E-02	1.5890E-01	3.9600E-02	2.2870E-01
NAIG	4.2939E-02	1.4864E-01	1.2290E-02	2.0387E-01	3.0759E-02	1.6882E-01	3.9626E-02	2.3921E-01
PNC	4.3490E-02	1.5160E-01	1.3280E-02	2.0840E-01	3.0790E-02	1.6930E-01	4.2530E-02	2.4260E-01
PSI(BOXER)	4.3442E-02	1.4873E-01	1.1610E-02	2.0379E-01	3.1327E-02	1.6964E-01	3.9146E-02	2.4011E-01
PSI(DANDE)	4.1974E-02	1.5035E-01	1.2493E-02	2.0842E-01	2.9944E-02	1.6889E-01	3.9695E-02	2.3853E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	4.2500E-02	1.4870E-01	1.6890E-02	2.0810E-01	3.0490E-02	1.6510E-01	4.8530E-02	2.4410E-01
TUBS(DATUBS5)	4.2480E-02	1.3880E-01	1.6280E-02	1.9760E-01	3.0130E-02	1.5500E-01	4.7150E-02	2.3230E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU242 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	8.2500E-03	0.0	0.0	8.2500E-03	5.9700E-03	0.0	0.0	5.9700E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	8.3845E-03	0.0	0.0	8.3845E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	8.1800E-03	0.0	0.0	8.1800E-03	5.9490E-03	0.0	0.0	5.9490E-03
HITACHI(J2)	7.8050E-03	1.1960E-04	2.2780E-05	7.9470E-03	5.7190E-03	8.6060E-05	3.7020E-05	5.8420E-03
IKE	7.9354E-03	1.1737E-04	1.9245E-05	8.0720E-03	5.8821E-03	8.4309E-05	3.1665E-05	5.9981E-03
JAERI(SRAC)	7.9247E-03	1.2150E-04	2.1062E-05	8.0671E-03	5.8409E-03	8.8452E-05	3.5468E-05	5.9647E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	8.2523E-03	5.0829E-05	8.5550E-09	8.3032E-03	6.1792E-03	4.0032E-05	1.6424E-08	6.2193E-03
KFK(1985LIB.)	7.3065E-03	4.5463E-05	6.5074E-09	7.3521E-03	5.1913E-03	3.4390E-05	1.2344E-08	5.2258E-03
MAPI-CRC	8.2290E-03	1.1450E-04	2.0140E-05	8.3640E-03	6.0210E-03	8.4920E-05	3.1710E-05	6.1380E-03
NAIG	8.4343E-03	1.1570E-04	2.1900E-05	8.5720E-03	6.0561E-03	8.4800E-05	3.6300E-05	6.1770E-03
PNC	8.3450E-03	1.1730E-04	6.2800E-05	8.5250E-03	6.0600E-03	8.7000E-05	9.3800E-05	6.2400E-03
PSI(BOXER)	7.9076E-03	0.0	0.0	7.9076E-03	5.5433E-03	0.0	0.0	5.5433E-03
PSI(DANDE)	7.5363E-03	1.1035E-04	2.3493E-05	7.6701E-03	5.4920E-03	7.9959E-05	3.7616E-05	5.6096E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	7.6850E-03	1.0480E-04	1.1690E-08	7.7900E-03	5.7100E-03	7.6840E-05	2.6360E-08	5.7870E-03
TUBS(DATUBS5)	7.6530E-03	1.2050E-04	1.6930E-05	7.7910E-03	5.7460E-03	9.1020E-05	2.8010E-05	5.8650E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF AM241 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2400E-03	7.7000E-05	1.9900E-05	1.3400E-03	9.6400E-04	6.8900E-05	4.5800E-05	1.0800E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.1476E-03	5.5246E-04	2.4892E-05	1.7245E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.3650E-03	9.7110E-05	2.5430E-05	1.4480E-03	1.0550E-03	8.7790E-05	5.6110E-05	1.1990E-03
HITACHI(J2)	1.3270E-03	9.7100E-05	2.5590E-05	1.4500E-03	1.0240E-03	8.7670E-05	5.6080E-05	1.1680E-03
IKE	1.2410E-03	8.5361E-05	3.5292E-05	1.3616E-03	9.5492E-04	8.0203E-05	7.9969E-05	1.1151E-03
JAERI(SRAC)	1.3512E-03	9.2041E-05	2.3742E-05	1.4670E-03	1.0390E-03	8.4531E-05	5.4278E-05	1.1778E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.2723E-03	7.6745E-05	2.7275E-05	1.3763E-03	9.6880E-04	7.3491E-05	6.6116E-05	1.1084E-03
KFK(1985LIB.)	1.2556E-03	7.5563E-05	2.4098E-05	1.3553E-03	9.5969E-04	7.2867E-05	6.0087E-05	1.0926E-03
MAPI-CRC	1.5190E-03	1.0460E-04	2.9410E-05	1.6530E-03	1.1740E-03	9.2670E-05	6.2970E-05	1.3290E-03
NAIG	1.2296E-03	5.6940E-04	3.0300E-05	1.8290E-03	9.0790E-04	4.1380E-04	6.5400E-05	1.3870E-03
PNC	1.5780E-03	1.0860E-04	3.0670E-05	1.7170E-03	1.1990E-03	9.8230E-05	6.7490E-05	1.3640E-03
PSI(BOXER)	1.2682E-03	5.6065E-04	2.4593E-05	1.8535E-03	9.4973E-04	4.0765E-04	5.7117E-05	1.4145E-03
PSI(DANDE)	1.1588E-03	8.6058E-05	3.4105E-05	1.2789E-03	8.9332E-04	8.0667E-05	7.7523E-05	1.0515E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.2820E-03	8.0740E-05	2.0420E-05	1.3830E-03	9.9290E-04	7.1840E-05	4.7180E-05	1.1120E-03
TUBS(DATUBS5)	1.2220E-03	8.2160E-05	3.2130E-05	1.3360E-03	9.4170E-04	7.8250E-05	7.2880E-05	1.0930E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF AM243 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.5500E-03	3.1900E-06	0.0	1.5500E-03	1.3300E-03	2.2200E-06	0.0	1.3300E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.3355E-03	0.0	0.0	1.3355E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.5430E-03	5.2480E-05	3.5890E-05	1.6310E-03	1.3070E-03	5.3380E-05	6.8410E-05	1.4290E-03
HITACHI(J2)	1.4600E-03	5.0990E-05	3.5210E-05	1.5470E-03	1.2370E-03	5.1860E-05	6.6140E-05	1.3550E-03
IKE	1.2662E-03	1.1523E-05	7.6776E-06	1.2854E-03	1.0903E-03	1.1766E-05	1.4848E-05	1.1169E-03
JAERI(SRAC)	1.5254E-03	4.9037E-05	3.3483E-05	1.6079E-03	1.2795E-03	5.1040E-05	6.5830E-05	1.3963E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.3507E-03	6.1412E-06	5.0377E-08	1.3569E-03	1.0813E-03	4.3627E-06	9.8868E-08	1.0858E-03
KFK(1985LIB.)	1.9881E-03	9.0692E-06	6.3346E-08	1.9973E-03	1.7572E-03	7.1379E-06	1.4333E-09	1.7645E-03
MAPI-CRC	1.4470E-03	4.7800E-05	3.3410E-05	1.5280E-03	1.2670E-03	5.0230E-05	6.3770E-05	1.3810E-03
NAIG	1.3427E-03	0.0	0.0	1.3430E-03	1.1375E-03	0.0	0.0	1.1380E-03
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	1.9754E-03	0.0	0.0	1.9754E-03	1.7152E-03	0.0	0.0	1.7152E-03
PSI(DANDE)	1.2928E-03	1.2942E-05	8.4209E-06	1.3142E-03	1.1081E-03	1.3210E-05	1.6158E-05	1.1375E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.3590E-03	0.0	0.0	1.3590E-03	1.1730E-03	0.0	0.0	1.1730E-03
TUBS(DATUBS5)	1.3620E-03	0.0	0.0	1.3620E-03	1.1750E-03	0.0	0.0	1.1750E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF CM244 (BURNUP=30GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	9.2000E-04	1.2300E-04	4.5700E-07	1.0400E-03	9.0800E-04	1.7200E-04	1.4000E-06	1.0800E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	8.7663E-04	2.5882E-04	8.1404E-07	1.1364E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	8.2050E-04	1.2520E-04	1.4760E-06	9.4710E-04	7.4740E-04	1.5540E-04	3.7800E-06	9.0660E-04
HITACHI(J2)	7.7320E-04	1.2130E-04	1.4380E-06	8.9590E-04	6.9890E-04	1.5160E-04	3.6700E-06	8.5410E-04
IKE	8.1849E-04	1.3934E-04	8.0825E-07	9.5864E-04	7.7043E-04	1.7433E-04	2.3655E-06	9.4714E-04
JAERI(SRAC)	8.0388E-04	1.1708E-04	1.4583E-06	9.2241E-04	7.4449E-04	1.5146E-04	3.8812E-06	8.9982E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	8.3190E-04	1.1808E-04	6.1602E-06	9.5059E-04	7.4900E-04	1.5202E-04	1.8693E-06	9.0288E-04
KFK(1985LIB.)	1.1903E-03	1.6703E-04	7.7384E-07	1.3581E-03	1.1978E-03	2.3947E-04	2.7286E-06	1.4400E-03
MAPI-CRC	7.7020E-04	1.2730E-04	1.3190E-06	8.9880E-04	7.2900E-04	1.6670E-04	3.5150E-06	8.9920E-04
NAIG	7.0450E-04	2.1810E-04	9.0000E-07	9.2400E-04	6.5950E-04	3.2560E-04	2.4000E-06	9.8700E-04
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	1.1071E-03	2.5014E-04	1.2596E-06	1.3585E-03	1.0672E-03	4.2846E-04	3.5260E-06	1.4992E-03
PSI(DANDE)	8.2297E-04	1.3061E-04	8.2659E-07	9.5441E-04	7.5862E-04	1.7446E-04	2.3830E-06	9.3547E-04
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	6.5500E-04	2.0700E-04	8.3950E-07	8.6280E-04	6.4030E-04	3.2520E-04	2.3190E-06	9.6780E-04
TUBS(DATUBS5)	6.3580E-04	1.9990E-04	7.7170E-07	8.3640E-04	6.2410E-04	3.1600E-04	2.1430E-06	9.4230E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U235 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.3600E-03	4.8200E-03	2.7400E-04	6.4600E-03	9.8000E-04	5.1100E-03	8.2000E-04	6.9100E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.3510E-03	4.8080E-03	3.5690E-04	6.5160E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.3840E-03	5.0810E-03	3.2410E-04	6.7890E-03	9.9460E-04	5.2800E-03	9.4790E-04	7.2230E-03
HITACHI(J2)	1.3580E-03	5.1950E-03	3.2270E-04	6.8810E-03	9.8570E-04	5.3860E-03	9.5700E-04	7.3280E-03
IKE	1.3717E-03	5.0315E-03	3.1252E-04	6.7158E-03	9.8768E-04	5.3268E-03	9.2754E-04	7.2421E-03
JAERI(SRAC)	1.3586E-03	5.0547E-03	2.8640E-04	6.6995E-03	9.8740E-04	5.3695E-03	8.8528E-04	7.2422E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.3868E-03	4.6368E-03	2.4424E-04	6.2679E-03	9.9120E-04	4.9795E-03	7.9804E-04	6.7688E-03
KFK(1985LIB.)	1.3759E-03	4.5664E-03	2.1519E-04	6.1576E-03	9.8727E-04	4.9336E-03	7.2592E-04	6.6468E-03
MAPI-CRC	1.4040E-03	5.0350E-03	3.0600E-04	6.7450E-03	1.0140E-03	5.1970E-03	9.0220E-04	7.1140E-03
NAIG	1.4033E-03	4.9894E-03	2.9820E-04	6.6910E-03	1.0030E-03	5.2713E-03	8.8150E-04	7.1560E-03
PNC	1.5520E-03	4.8340E-03	3.1530E-04	6.7010E-03	1.0990E-03	5.0590E-03	9.3900E-04	7.0970E-03
PSI(BOXER)	1.4205E-03	4.8153E-03	2.6481E-04	6.5006E-03	1.0120E-03	5.1558E-03	8.3793E-04	7.0057E-03
PSI(DANDE)	1.3732E-03	5.0478E-03	2.8833E-04	6.7093E-03	9.8744E-04	5.3022E-03	8.7210E-04	7.1617E-03
STUDSVIK	0.0	0.0	0.0	6.7800E-03	0.0	0.0	0.0	7.1600E-03
TUBS(DATUBS4)	1.3990E-03	4.9610E-03	2.7250E-04	6.6320E-03	1.0000E-03	5.2610E-03	8.7830E-04	7.1400E-03
TUBS(DATUBS5)	1.3890E-03	4.8500E-03	2.5020E-04	6.4900E-03	9.9910E-04	5.1820E-03	8.0810E-04	6.9890E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U238 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.3500E-01	2.3000E-01	2.0700E-03	3.6700E-01	1.0200E-01	2.2800E-01	4.7600E-03	3.3500E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.4080E-01	2.1900E-01	7.1110E-04	3.6050E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.3670E-01	2.1740E-01	2.3850E-03	3.5650E-01	1.0390E-01	2.1880E-01	5.2390E-03	3.2790E-01
HITACHI(J2)	1.3550E-01	2.1440E-01	2.3520E-03	3.5220E-01	1.0280E-01	2.1440E-01	5.1920E-03	3.2240E-01
IKE	1.3894E-01	2.2390E-01	2.1997E-03	3.6503E-01	1.0745E-01	2.2176E-01	5.0055E-03	3.3422E-01
JAERI(SRAC)	1.3727E-01	2.2522E-01	2.1978E-03	3.6469E-01	1.0520E-01	2.2220E-01	5.0969E-03	3.3250E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.4042E-01	2.2167E-01	1.9136E-03	3.6401E-01	1.0757E-01	2.1660E-01	4.6743E-03	3.2884E-01
KFK(1985LIB.)	1.3972E-01	2.1927E-01	1.6446E-03	3.6064E-01	1.0744E-01	2.1543E-01	4.1932E-03	3.2706E-01
MAPI-CRC	1.3720E-01	2.1820E-01	2.2800E-03	3.5770E-01	1.0430E-01	2.2340E-01	5.0680E-03	3.3270E-01
NAIG	1.4802E-01	2.1347E-01	2.2026E-03	3.6369E-01	1.1062E-01	2.1009E-01	4.9802E-03	3.2569E-01
PNC	1.5390E-01	1.9500E-01	2.3490E-03	3.5130E-01	1.1470E-01	1.9580E-01	5.2550E-03	3.1580E-01
PSI(BOXER)	1.3818E-01	2.1780E-01	1.8597E-03	3.5784E-01	1.0460E-01	2.1356E-01	4.5134E-03	3.2267E-01
PSI(DANDE)	1.3234E-01	2.2427E-01	2.1324E-03	3.5874E-01	1.0040E-01	2.2230E-01	4.8714E-03	3.2757E-01
STUDSVIK	0.0	0.0	0.0	3.6244E-01	0.0	0.0	0.0	3.2663E-01
TUBS(DATUBS4)	1.4100E-01	2.2060E-01	2.1090E-03	3.6370E-01	1.0830E-01	2.1960E-01	5.0330E-03	3.3300E-01
TUBS(DATUBS5)	1.3890E-01	2.2760E-01	1.9360E-03	3.6840E-01	1.0700E-01	2.2840E-01	4.6510E-03	3.4010E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU239 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.7400E-02	2.0400E-01	2.7800E-02	2.9900E-01	3.4700E-02	1.5800E-01	7.7000E-02	2.7000E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	6.5770E-02	1.9650E-01	3.2900E-02	2.9520E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	6.4970E-02	2.0210E-01	3.2240E-02	2.9940E-01	3.3200E-02	1.5670E-01	8.5030E-02	2.7490E-01
HITACHI(J2)	6.4300E-02	2.0350E-01	3.1750E-02	2.9950E-01	3.3000E-02	1.5650E-01	8.3290E-02	2.7280E-01
IKE	6.6431E-02	2.0096E-01	3.0472E-02	2.9787E-01	3.4342E-02	1.5234E-01	8.3300E-02	2.6998E-01
JAERI(SRAC)	6.6010E-02	2.0375E-01	2.7872E-02	2.9763E-01	3.4092E-02	1.5785E-01	8.0517E-02	2.7246E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.4743E-02	1.9579E-01	2.6183E-02	2.8671E-01	3.3036E-02	1.5399E-01	7.5137E-02	2.6216E-01
KFK(1985LIB.)	6.5107E-02	1.9466E-01	2.3912E-02	2.8368E-01	3.3524E-02	1.5473E-01	7.0284E-02	2.5854E-01
MAPI-CRC	6.7310E-02	2.0150E-01	3.0010E-02	2.9890E-01	3.5030E-02	1.5670E-01	8.1260E-02	2.7300E-01
NAIG	6.7166E-02	1.9956E-01	3.0056E-02	2.9678E-01	3.4101E-02	1.5299E-01	8.1796E-02	2.6888E-01
PNC	6.7610E-02	2.0140E-01	3.1010E-02	3.0000E-01	3.4090E-02	1.5420E-01	8.3830E-02	2.7220E-01
PSI(BOXER)	6.7663E-02	2.0161E-01	2.7792E-02	2.9707E-01	3.4399E-02	1.5601E-01	7.7939E-02	2.6835E-01
PSI(DANDE)	6.6686E-02	2.0189E-01	2.9451E-02	2.9802E-01	3.4285E-02	1.5687E-01	8.0400E-02	2.7156E-01
STUDSVIK	0.0	0.0	0.0	2.9883E-01	0.0	0.0	0.0	2.7190E-01
TUBS(DATUBS4)	6.5530E-02	2.1160E-01	2.5730E-02	3.0280E-01	3.4320E-02	1.6680E-01	7.4310E-02	2.7550E-01
TUBS(DATUBS5)	6.7700E-02	2.0850E-01	2.4440E-02	3.0070E-01	3.5760E-02	1.6640E-01	7.1790E-02	2.7400E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU240 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.6700E-02	4.2600E-02	2.6000E-02	8.5300E-02	9.9400E-03	3.4300E-02	6.1100E-02	1.0500E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.6310E-02	3.7740E-02	3.3840E-02	8.7890E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.5380E-02	3.8750E-02	3.3030E-02	8.8160E-02	9.8380E-03	3.0870E-02	6.8210E-02	1.0890E-01
HITACHI(J2)	1.6720E-02	4.1490E-02	3.2140E-02	9.0350E-02	1.0030E-02	3.2710E-02	7.0600E-02	1.1330E-01
IKE	1.6745E-02	4.1556E-02	3.0522E-02	8.8823E-02	1.0076E-02	3.2408E-02	6.7183E-02	1.0967E-01
JAERI(SRAC)	1.7037E-02	4.0865E-02	2.9467E-02	8.7368E-02	1.0267E-02	3.2788E-02	6.6549E-02	1.0960E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.6791E-02	3.7726E-02	2.7806E-02	8.2324E-02	9.8316E-03	3.1274E-02	6.4185E-02	1.0529E-01
KFK(1985LIB.)	1.7022E-02	3.7781E-02	2.5225E-02	8.0029E-02	1.0023E-02	3.1614E-02	5.9478E-02	1.0112E-01
MAPI-CRC	1.7180E-02	4.0500E-02	3.1720E-02	8.9400E-02	1.0300E-02	3.2150E-02	6.7940E-02	1.1040E-01
NAIG	1.7110E-02	3.8069E-02	3.1604E-02	8.6783E-02	1.0038E-02	3.0830E-02	6.8917E-02	1.0979E-01
PNC	1.7500E-02	4.1160E-02	3.3090E-02	9.1750E-02	1.0190E-02	3.3450E-02	7.1060E-02	1.1470E-01
PSI(BOXER)	1.7384E-02	3.8889E-02	2.8936E-02	8.5209E-02	1.0279E-02	3.1003E-02	6.5357E-02	1.0664E-01
PSI(DANDE)	1.6206E-02	3.9440E-02	3.0667E-02	8.6313E-02	9.5688E-03	3.1837E-02	6.7004E-02	1.0841E-01
STUDSVIK	0.0	0.0	0.0	7.8920E-02	0.0	0.0	0.0	1.0347E-01
TUBS(DATUBS4)	1.6220E-02	4.0000E-02	3.1230E-02	8.7440E-02	9.6780E-03	3.2770E-02	6.8200E-02	1.1060E-01
TUBS(DATUBS5)	1.6410E-02	4.2740E-02	2.9220E-02	8.8370E-02	9.8650E-03	3.5300E-02	6.4930E-02	1.1010E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU241 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.5300E-02	6.2000E-02	4.4900E-03	8.1800E-02	1.1400E-02	7.2800E-02	1.6900E-02	1.0100E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.5850E-02	6.5030E-02	6.0730E-03	8.6960E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.5550E-02	6.5550E-02	5.4470E-03	8.6540E-02	1.1380E-02	7.4090E-02	1.9710E-02	1.0520E-01
HITACHI(J2)	1.5840E-02	6.6000E-02	5.6180E-03	8.7460E-02	1.1480E-02	7.6090E-02	1.9780E-02	1.0740E-01
IKE	1.5934E-02	6.3106E-02	5.2803E-03	8.4320E-02	1.1515E-02	7.4234E-02	1.9016E-02	1.0477E-01
JAERI(SRAC)	1.5889E-02	6.2388E-02	4.8765E-03	8.3152E-02	1.1553E-02	7.3275E-02	1.8583E-02	1.0341E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.5304E-02	5.9492E-02	4.4211E-03	7.9217E-02	1.1232E-02	7.2942E-02	1.7481E-02	1.0166E-01
KFK(1985LIB.)	1.4964E-02	5.7411E-02	3.8888E-03	7.6264E-02	1.1087E-02	7.1130E-02	1.5873E-02	9.8091E-02
MAPI-CRC	1.6140E-02	6.2870E-02	3.5120E-03	8.4330E-02	1.1690E-02	7.2130E-02	1.8710E-02	1.0250E-01
NAIG	1.6230E-02	6.3758E-02	5.0663E-03	8.5055E-02	1.1898E-02	7.6132E-02	1.8620E-02	1.0665E-01
PNC	1.6530E-02	6.5780E-02	5.6170E-03	8.7930E-02	1.1880E-02	7.6480E-02	2.0300E-02	1.0870E-01
PSI(BOXER)	1.6531E-02	6.2511E-02	4.8170E-03	8.3895E-02	1.2180E-02	7.3868E-02	1.8666E-02	1.0471E-01
PSI(DANDE)	1.5882E-02	6.4318E-02	5.0757E-03	8.5276E-02	1.1580E-02	7.5872E-02	1.8312E-02	1.0578E-01
STUDSVIK	0.0	0.0	0.0	8.2480E-02	0.0	0.0	0.0	1.0522E-01
TUBS(DATUBS4)	1.5910E-02	6.1370E-02	7.3920E-03	8.4680E-02	1.1610E-02	6.9980E-02	2.3270E-02	1.0490E-01
TUBS(DATUBS5)	1.6250E-02	5.9190E-02	7.5480E-03	8.2990E-02	1.1690E-02	6.8660E-02	2.3050E-02	1.0340E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU242 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.2600E-03	6.7300E-03	9.0400E-03	1.9000E-02	2.2700E-03	5.6700E-03	1.5500E-02	2.3500E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.3340E-03	7.3230E-03	1.0390E-02	2.1040E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	3.3200E-03	6.3700E-03	1.0260E-02	1.9950E-02	2.3550E-03	5.4280E-03	1.7430E-02	2.5210E-02
HITACHI(J2)	3.7830E-03	6.4420E-03	1.0480E-02	2.0700E-02	2.6570E-03	5.4550E-03	1.7310E-02	2.5430E-02
IKE	3.8107E-03	6.9880E-03	9.6199E-03	2.0419E-02	2.6931E-03	5.9929E-03	1.6530E-02	2.5216E-02
JAERI(SRAC)	3.7289E-03	6.9219E-03	9.7245E-03	2.0375E-02	2.6359E-03	5.9150E-03	1.6524E-02	2.5075E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.7859E-03	6.9732E-03	8.8428E-03	1.9602E-02	2.7638E-03	6.2421E-03	1.5088E-02	2.4094E-02
KFK(1985LIB.)	3.1370E-03	5.8642E-03	1.3175E-02	2.2176E-02	2.1133E-03	4.9296E-03	2.3284E-02	3.0327E-02
MAPI-CRC	3.9240E-03	6.6780E-03	9.1890E-03	1.9790E-02	2.7340E-03	5.7080E-03	1.4520E-02	2.2970E-02
NAIG	3.9140E-03	6.4599E-03	9.9651E-03	2.0339E-02	2.7107E-03	5.4668E-03	1.6710E-02	2.4888E-02
PNC	3.9720E-03	6.8550E-03	9.9250E-03	2.0750E-02	2.8000E-03	5.9160E-03	1.6170E-02	2.4890E-02
PSI(BOXER)	2.9864E-03	6.2464E-03	1.4747E-02	2.3980E-02	2.0290E-03	5.2004E-03	2.4787E-02	3.2016E-02
PSI(DANDE)	3.5803E-03	6.4296E-03	1.1879E-02	2.1889E-02	2.4775E-03	5.4052E-03	1.9733E-02	2.7616E-02
STUDSVIK	0.0	0.0	0.0	2.6010E-02	0.0	0.0	0.0	3.3610E-02
TUBS(DATUBS4)	3.4250E-03	7.7050E-03	8.6810E-03	1.9810E-02	2.4130E-03	7.9370E-03	1.4600E-02	2.4950E-02
TUBS(DATUBS5)	3.6320E-03	8.5200E-03	8.3170E-03	2.0470E-02	2.5840E-03	8.6810E-03	1.4280E-02	2.5540E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF AM241 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.3100E-03	4.9200E-03	2.0100E-03	8.2400E-03	8.6500E-04	4.7600E-03	4.6600E-03	1.0300E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	8.2130E-04	5.6100E-03	2.5350E-03	8.9670E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.5390E-03	5.3190E-03	2.0680E-03	8.9270E-03	1.0120E-03	4.9760E-03	4.6870E-03	1.0680E-02
HITACHI(J2)	1.5060E-03	5.3200E-03	2.0610E-03	8.8870E-03	9.8510E-04	4.9690E-03	4.6640E-03	1.0620E-02
IKE	1.4575E-03	5.0918E-03	2.3363E-03	8.8856E-03	9.2511E-04	4.7473E-03	5.2455E-03	1.0918E-02
JAERI(SRAC)	1.4850E-03	5.0159E-03	1.9688E-03	8.4696E-03	9.7142E-04	4.7503E-03	4.5992E-03	1.0321E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.3663E-03	4.8096E-03	2.0163E-03	8.1922E-03	8.7944E-04	4.5751E-03	4.8140E-03	1.0269E-02
KFK(1985LIB.)	1.3560E-03	4.7319E-03	1.7760E-03	7.8641E-03	8.7846E-04	4.5383E-03	4.3728E-03	9.7897E-03
MAPI-CRC	1.6690E-03	5.6560E-03	2.4260E-03	9.7510E-03	1.0910E-03	5.1580E-03	5.3300E-03	1.1580E-02
NAIG	8.6890E-04	6.1068E-03	2.5451E-03	9.5210E-03	5.7820E-04	5.9006E-03	5.4756E-03	1.1954E-02
PNC	1.7570E-03	5.8700E-03	2.6260E-03	1.0250E-02	1.1370E-03	5.4530E-03	5.8410E-03	1.2430E-02
PSI(BOXER)	9.2349E-04	6.0165E-03	2.2241E-03	9.1641E-03	6.2122E-04	5.8674E-03	5.0730E-03	1.1562E-02
PSI(DANDE)	1.4243E-03	5.0280E-03	2.2204E-03	8.6727E-03	9.1195E-04	4.6950E-03	5.0630E-03	1.0670E-02
STUDSVIK	0.0	0.0	0.0	6.8100E-03	0.0	0.0	0.0	9.2100E-03
TUBS(DATUBS4)	1.3600E-03	5.2510E-03	2.0420E-03	8.6540E-03	8.8970E-04	5.0030E-03	4.7050E-03	1.0600E-02
TUBS(DATUBS5)	1.4690E-03	4.9170E-03	1.9630E-03	8.3500E-03	9.3380E-04	4.6460E-03	4.5330E-03	1.0110E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF AM243 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.1100E-03	6.3900E-03	4.4900E-03	1.2000E-02	8.2200E-04	6.8800E-03	9.2700E-03	1.7000E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.0190E-03	6.1360E-03	4.4620E-03	1.1620E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.6300E-03	7.1480E-03	4.6420E-03	1.3420E-02	1.1560E-03	7.2590E-03	9.0360E-03	1.7450E-02
HITACHI(J2)	1.5800E-03	7.0680E-03	4.3520E-03	1.3000E-02	1.1320E-03	7.2510E-03	8.6770E-03	1.7060E-02
IKE	1.5631E-03	6.7347E-03	4.6542E-03	1.2952E-02	1.1134E-03	7.1411E-03	9.3832E-03	1.7638E-02
JAERI(SRAC)	1.5808E-03	6.7103E-03	4.3557E-03	1.2647E-02	1.1239E-03	7.0279E-03	8.9097E-03	1.7061E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.3790E-03	6.2549E-03	4.0755E-03	1.1709E-02	9.5139E-04	6.5444E-03	8.3417E-03	1.5838E-02
KFK(1985LIB.)	1.9961E-03	8.9452E-03	5.0637E-03	1.6005E-02	1.4975E-03	1.0181E-02	1.1317E-02	2.2996E-02
MAPI-CRC	1.5000E-03	6.5610E-03	4.3490E-03	1.2410E-02	1.1060E-03	6.9470E-03	8.6420E-03	1.6700E-02
NAIG	1.0389E-03	5.9197E-03	3.7012E-03	1.0660E-02	7.8700E-04	6.3922E-03	7.7328E-03	1.4912E-02
PNC	0.0	6.3240E-03	4.5960E-03	1.0920E-02	0.0	6.3290E-03	8.8150E-03	1.5140E-02
PSI(BOXER)	1.4734E-03	7.7520E-03	5.2890E-03	1.4514E-02	1.1238E-03	8.3502E-03	1.1170E-02	2.0644E-02
PSI(DANDE)	1.6771E-03	7.5120E-03	4.9811E-03	1.4170E-02	1.1844E-03	7.9194E-03	9.9924E-03	1.9096E-02
STUDSVIK	0.0	0.0	0.0	1.5290E-02	0.0	0.0	0.0	2.1600E-02
TUBS(DATUBS4)	1.0710E-03	6.2440E-03	3.0100E-03	1.0320E-02	8.0770E-04	6.7920E-03	6.7050E-03	1.4310E-02
TUBS(DATUBS5)	1.0870E-03	6.2090E-03	2.8770E-03	1.0170E-02	8.2000E-04	6.7750E-03	6.4760E-03	1.4070E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF CM244 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	8.2800E-04	2.8200E-03	1.0400E-05	3.6600E-03	7.5000E-04	4.4300E-03	2.8200E-05	5.2100E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	6.8650E-04	2.9100E-03	9.9160E-06	3.6060E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	6.9820E-04	2.9200E-03	1.5060E-05	3.6330E-03	6.0180E-04	4.0600E-03	3.8220E-05	4.7000E-03
HITACHI(J2)	6.6340E-04	2.9030E-03	1.4940E-05	3.5810E-03	5.7420E-04	4.0360E-03	3.7850E-05	4.6480E-03
IKE	7.1712E-04	2.9782E-03	1.3939E-05	3.7092E-03	6.3293E-04	4.5319E-03	3.6969E-05	5.2018E-03
JAERI(SRAC)	6.7768E-04	2.8136E-03	1.8411E-05	3.5096E-03	5.9820E-04	4.1122E-03	4.6675E-05	4.7570E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.9698E-04	2.8936E-03	1.1733E-05	3.6024E-03	5.9834E-04	4.4560E-03	3.2424E-05	5.0868E-03
KFK(1985LIB.)	9.8326E-04	3.9281E-03	1.4280E-05	4.9257E-03	9.3042E-04	6.5826E-03	4.5265E-05	7.5584E-03
MAPI-CRC	6.3780E-04	3.3400E-03	1.3370E-05	3.9910E-03	5.7230E-04	4.9240E-03	3.5350E-05	5.5320E-03
NAIG	5.5160E-04	2.5722E-03	1.0100E-05	3.1340E-03	5.0520E-04	3.9148E-03	2.7600E-05	4.4480E-03
PNC	0.0	3.3150E-03	1.2180E-05	3.3270E-03	0.0	4.7260E-03	3.0860E-05	4.7570E-03
PSI(BOXER)	8.4590E-04	3.0158E-03	1.3263E-05	3.8750E-03	7.8718E-04	4.8029E-03	3.9253E-05	5.6293E-03
PSI(DANDE)	7.0888E-04	3.0205E-03	1.3805E-05	3.7432E-03	6.1541E-04	4.5692E-03	3.6398E-05	5.2210E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	5.1860E-04	2.3430E-03	9.1400E-06	2.8710E-03	4.8740E-04	3.6640E-03	2.6700E-05	4.1790E-03
TUBS(DATUBS5)	5.0510E-04	2.2520E-03	8.3460E-06	2.7650E-03	4.7720E-04	3.5520E-03	2.4530E-05	4.0530E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF FP-TOTAL (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	7.2300E-03	6.8200E-02	7.9300E-03	8.3400E-02	4.6800E-03	7.6200E-02	1.6900E-02	9.7800E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	9.4740E-03	6.8079E-02	6.6297E-03	8.2178E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	6.5950E-03	6.5970E-02	8.5790E-03	8.1130E-02	4.2840E-03	6.9350E-02	1.8140E-02	9.1770E-02
HITACHI(J2)	6.5210E-03	6.6440E-02	8.5030E-03	8.1500E-02	4.2710E-03	7.0160E-02	1.8220E-02	9.2640E-02
IKE	5.5235E-03	6.2735E-02	8.1241E-03	7.6383E-02	3.5651E-03	7.0111E-02	1.7513E-02	9.1190E-02
JAERI(SRAC)	7.0248E-03	6.8277E-02	7.8643E-03	8.3165E-02	4.6159E-03	7.4272E-02	1.7739E-02	9.6626E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.4471E-03	5.0271E-02	5.9895E-03	6.0708E-02	2.8797E-03	5.8166E-02	1.4039E-02	7.5084E-02
KFK(1985LIB.)	5.9173E-03	5.9177E-02	6.1481E-03	7.1242E-02	3.8856E-03	6.8577E-02	1.4488E-02	8.6952E-02
MAPI-CRC	3.3880E-04	6.8440E-02	8.3490E-03	7.7130E-02	2.2630E-04	7.0630E-02	1.6990E-02	8.7850E-02
NAIG	6.9466E-03	7.1023E-02	8.6490E-03	8.6619E-02	4.5073E-03	7.7310E-02	1.8549E-02	1.0037E-01
PNC	2.8830E-04	6.8960E-02	8.1610E-03	7.7400E-02	1.9080E-04	7.2620E-02	1.6770E-02	8.9580E-02
PSI(BOXER)	6.5030E-03	7.5936E-02	5.3267E-03	8.7766E-02	4.1763E-03	8.3797E-02	1.2424E-02	1.0040E-01
PSI(DANDE)	6.9756E-03	7.1666E-02	8.2111E-03	8.6853E-02	4.4977E-03	7.7354E-02	1.7649E-02	9.9501E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	6.3630E-03	6.3630E-02	7.8030E-03	7.7790E-02	4.1610E-03	7.0150E-02	1.7280E-02	9.1600E-02
TUBS(DATUBS5)	6.2890E-03	6.1460E-02	7.2470E-03	7.5000E-02	4.1220E-03	6.8200E-02	1.6210E-02	8.8530E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U235 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.1200E-03	3.1900E-03	2.1300E-04	4.5200E-03	8.1800E-04	3.3100E-03	6.6200E-04	4.7900E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.1380E-03	3.3590E-03	2.5190E-04	4.7490E-03	8.2720E-04	3.4320E-03	7.6790E-04	5.0270E-03
HITACHI(J2)	1.1100E-03	3.2980E-03	2.5110E-04	4.6590E-03	8.1400E-04	3.3370E-03	7.6960E-04	4.9200E-03
IKE	1.1271E-03	3.3298E-03	2.4200E-04	4.6989E-03	8.2064E-04	3.6450E-03	7.4935E-04	5.0350E-03
JAERI(SRAC)	1.1126E-03	3.2244E-03	2.1695E-04	4.5539E-03	8.1636E-04	3.3396E-03	7.0724E-04	4.8632E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.1458E-03	3.0089E-03	1.8745E-04	4.3423E-03	8.2849E-04	3.1608E-03	6.4133E-04	4.6306E-03
KFK(1985LIB.)	1.1371E-03	2.9657E-03	1.6496E-04	4.2678E-03	8.2524E-04	3.1349E-03	5.8329E-04	4.5435E-03
MAPI-CRC	1.1540E-03	3.1970E-03	2.3380E-04	4.5850E-03	8.4330E-04	3.2100E-03	7.2240E-04	4.7760E-03
NAIG	1.1653E-03	3.4000E-03	2.2880E-04	4.7940E-03	8.4150E-04	3.5017E-03	7.0870E-04	5.0520E-03
PNC	1.2790E-03	3.2130E-03	2.4090E-04	4.7330E-03	9.1660E-04	3.2600E-03	7.5200E-04	4.9280E-03
PSI(BOXER)	1.1752E-03	3.1984E-03	2.0629E-04	4.5799E-03	8.4669E-04	3.3646E-03	6.8018E-04	4.8915E-03
PSI(DANDE)	1.1293E-03	3.3011E-03	2.2258E-04	4.8530E-03	8.2178E-04	3.3985E-03	7.0245E-04	4.9228E-03
STUDSVIK	0.0	0.0	0.0	4.8000E-03	0.0	0.0	0.0	5.0100E-03
TUBS(DATUBS4)	1.1490E-03	3.2810E-03	2.1700E-04	4.6460E-03	8.3160E-04	3.4020E-03	7.1950E-04	4.9530E-03
TUBS(DATUBS5)	1.1380E-03	3.1920E-03	1.9850E-04	4.5280E-03	8.2900E-04	3.3370E-03	6.5880E-04	4.8250E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U238 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.9300E-02	0.0	6.6000E-13	4.9200E-02	4.5100E-02	0.0	1.2000E-12	4.5100E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.7900E-02	1.2690E-05	2.0300E-10	4.7920E-02	4.3680E-02	9.6970E-06	3.8110E-10	4.3690E-02
HITACHI(J2)	5.0180E-02	2.2720E-05	2.2110E-09	5.0210E-02	4.4810E-02	1.8200E-05	5.1930E-09	4.4830E-02
IKE	5.2533E-02	2.2124E-05	2.0711E-09	5.2555E-02	4.8321E-02	1.7383E-05	5.0013E-09	4.8339E-02
JAERI(SRAC)	5.2702E-02	2.4735E-05	0.0	5.2726E-02	4.7450E-02	1.9278E-05	0.0	4.7469E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.0120E-02	0.0	0.0	5.0120E-02	4.5617E-02	0.0	0.0	4.5617E-02
KFK(1985LIB.)	4.9767E-02	0.0	0.0	4.9768E-02	4.5436E-02	0.0	0.0	4.5437E-02
MAPI-CRC	5.4360E-02	2.2910E-05	2.1330E-09	5.4380E-02	4.9370E-02	1.8240E-05	5.0210E-09	4.9380E-02
NAIG	5.4052E-02	2.3200E-05	0.0	5.4076E-02	4.7378E-02	1.8400E-05	0.0	4.7396E-02
PNC	5.1630E-02	0.0	0.0	5.1630E-02	4.6770E-02	0.0	0.0	4.6770E-02
PSI(BOXER)	5.2484E-02	2.1389E-05	1.3465E-09	5.2505E-02	4.7442E-02	1.6610E-05	2.5275E-09	4.7459E-02
PSI(DANDE)	4.8863E-02	2.3046E-05	1.9915E-09	4.8886E-02	4.4895E-02	1.8283E-05	4.8250E-09	4.4913E-02
STUDSVIK	0.0	0.0	0.0	5.6050E-02	0.0	0.0	0.0	5.0750E-02
TUBS(DATUBS4)	5.0800E-02	4.1680E-06	0.0	5.0800E-02	4.7020E-02	3.2280E-06	0.0	4.7020E-02
TUBS(DATUBS5)	5.1850E-02	2.4740E-05	1.6860E-09	5.1870E-02	4.7920E-02	1.9220E-05	4.3710E-09	4.7940E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU239 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.9800E-02	1.1400E-01	1.8500E-02	1.9300E-01	3.1200E-02	8.9300E-02	5.0100E-02	1.7100E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	5.7580E-02	1.1390E-01	2.1430E-02	1.9290E-01	2.9750E-02	8.8320E-02	5.5300E-02	1.7340E-01
HITACHI(J2)	5.6680E-02	1.1420E-01	2.1270E-02	1.9210E-01	2.9410E-02	8.7410E-02	5.4460E-02	1.7130E-01
IKE	5.8449E-02	1.1512E-01	2.0741E-02	1.9432E-01	3.0543E-02	8.7243E-02	5.5117E-02	1.7290E-01
JAERI(SRAC)	5.8145E-02	1.1357E-01	1.8667E-02	1.9039E-01	3.0354E-02	8.8016E-02	5.2489E-02	1.7086E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.8012E-02	1.1029E-01	1.7426E-02	1.8573E-01	2.9889E-02	8.6921E-02	4.8942E-02	1.6575E-01
KFK(1985LIB.)	5.8351E-02	1.0967E-01	1.5864E-02	1.8389E-01	3.0333E-02	8.7336E-02	4.5734E-02	1.6341E-01
MAPI-CRC	5.9510E-02	1.1330E-01	2.0120E-02	1.9300E-01	3.1330E-02	8.7830E-02	5.3070E-02	1.7220E-01
NAIG	5.9965E-02	1.1393E-01	1.9972E-02	1.9386E-01	3.0761E-02	8.7337E-02	5.3070E-02	1.7117E-01
PNC	5.9860E-02	1.1310E-01	2.0750E-02	1.9370E-01	3.0490E-02	8.6470E-02	5.4650E-02	1.7160E-01
PSI(BOXER)	6.0307E-02	1.1255E-01	1.8422E-02	1.9128E-01	3.0982E-02	8.7703E-02	5.0606E-02	1.6929E-01
PSI(DANDE)	5.8745E-02	1.1627E-01	2.0019E-02	1.9503E-01	3.0548E-02	8.9864E-02	5.3156E-02	1.7357E-01
STUDSVIK	0.0	0.0	0.0	1.9381E-01	0.0	0.0	0.0	1.7198E-01
TUBS(DATUBS4)	5.7920E-02	1.1930E-01	1.7180E-02	1.9440E-01	3.0720E-02	9.4370E-02	4.8720E-02	1.7380E-01
TUBS(DATUBS5)	5.9300E-02	1.1870E-01	1.6530E-02	1.9450E-01	3.1720E-02	9.4530E-02	4.7340E-02	1.7360E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU240 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.1900E-02	1.0500E-03	5.0900E-06	1.2900E-02	7.4900E-03	6.7000E-04	1.1900E-05	8.1700E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.1630E-02	1.0230E-03	6.4390E-06	1.2650E-02	7.3730E-03	6.5410E-04	1.3240E-05	8.0410E-03
HITACHI(J2)	1.1480E-02	1.1840E-03	6.4310E-06	1.2680E-02	7.3140E-03	7.5620E-04	1.4060E-05	8.0840E-03
IKE	1.1617E-02	1.1798E-03	6.1021E-06	1.2803E-02	7.4261E-03	7.4841E-04	1.3380E-05	8.1879E-03
JAERI(SRAC)	1.1818E-02	1.1816E-03	5.8943E-06	1.3005E-02	7.5445E-03	7.6276E-04	1.3263E-05	8.3204E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.1403E-02	6.8750E-04	5.1619E-06	1.2095E-02	7.0624E-03	4.6496E-04	1.1875E-05	7.5391E-03
KFK(1985LIB.)	1.1570E-02	6.9215E-04	4.6784E-06	1.2267E-02	7.2011E-03	4.7234E-04	1.1002E-05	7.6846E-03
MAPI-CRC	1.2000E-02	1.1190E-03	6.3390E-06	1.3120E-02	7.6330E-03	7.2710E-04	1.3530E-05	8.3730E-03
NAIG	1.2162E-02	5.4120E-04	5.8000E-06	1.2709E-02	7.5163E-03	3.2940E-04	1.2600E-05	7.8580E-03
PNC	1.2270E-02	1.1250E-03	6.6070E-06	1.3400E-02	7.5270E-03	7.3280E-04	1.4140E-05	8.2740E-03
PSI(BOXER)	1.2589E-02	9.9655E-04	5.6354E-06	1.3591E-02	7.8190E-03	6.4145E-04	1.2676E-05	8.4731E-03
PSI(DANDE)	1.1119E-02	1.1081E-03	6.1165E-06	1.2234E-02	6.9796E-03	7.2107E-04	1.3317E-05	7.7140E-03
STUDSVIK	0.0	0.0	0.0	1.2870E-02	0.0	0.0	0.0	8.1900E-03
TUBS(DATUBS4)	1.1420E-02	1.0160E-03	5.8790E-06	1.2440E-02	7.2430E-03	6.5780E-04	1.2500E-05	7.9130E-03
TUBS(DATUBS5)	1.1150E-02	1.1730E-03	5.8000E-06	1.2330E-02	7.1760E-03	7.7300E-04	1.2870E-05	7.9620E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU241 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.3600E-02	4.9400E-02	3.5800E-03	6.6600E-02	1.0200E-02	5.8700E-02	1.2900E-02	8.1800E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.3710E-02	5.2090E-02	4.3150E-03	7.0120E-02	1.0090E-02	5.9370E-02	1.5070E-02	8.4540E-02
HITACHI(J2)	1.3720E-02	5.0300E-02	4.3420E-03	6.8360E-02	9.9950E-03	5.7470E-02	1.4960E-02	8.2430E-02
IKE	1.3776E-02	4.8108E-02	4.0867E-03	6.5971E-02	9.9994E-03	5.6029E-02	1.4380E-02	8.0410E-02
JAERI(SRAC)	1.3772E-02	4.7496E-02	3.7820E-03	6.5050E-02	1.0066E-02	5.5290E-02	1.4064E-02	7.9419E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.3506E-02	4.4663E-02	3.3785E-03	6.1548E-02	9.9859E-03	5.4658E-02	1.2960E-02	7.7604E-02
KFK(1985LIB.)	1.3207E-02	4.3104E-02	2.9578E-03	5.9270E-02	9.8578E-03	5.3302E-02	1.1747E-02	7.4907E-02
MAPI-CRC	1.4060E-02	4.8180E-02	4.1010E-03	6.6340E-02	1.0250E-02	5.4990E-02	1.4140E-02	7.9380E-02
NAIG	1.4088E-02	4.8805E-02	3.9284E-03	6.6821E-02	1.0380E-02	5.7885E-02	1.4082E-02	8.2347E-02
PNC	1.4370E-02	5.0330E-02	4.3340E-03	6.9040E-02	1.0390E-02	5.8250E-02	1.5330E-02	8.3960E-02
PSI(BOXER)	1.4659E-02	4.9720E-02	3.8029E-03	6.8182E-02	1.0876E-02	5.9340E-02	1.4263E-02	8.4479E-02
PSI(DANDE)	1.3793E-02	4.9278E-02	3.9110E-03	6.6982E-02	1.0125E-02	5.7871E-02	1.3822E-02	8.1817E-02
STUDSVIK	0.0	0.0	0.0	6.4370E-02	0.0	0.0	0.0	8.0830E-02
TUBS(DATUBS4)	1.4040E-02	4.9620E-02	5.4650E-03	6.9120E-02	1.0310E-02	5.7320E-02	1.7140E-02	8.4770E-02
TUBS(DATUBS5)	1.4070E-02	4.6070E-02	5.2190E-03	6.5350E-02	1.0180E-02	5.3390E-02	1.6440E-02	8.0010E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU242 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.5100E-03	0.0	0.0	2.5100E-03	1.8300E-03	0.0	0.0	1.8300E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	2.5360E-03	0.0	0.0	2.5360E-03	1.8880E-03	0.0	0.0	1.8880E-03
HITACHI(J2)	2.4930E-03	4.1920E-05	7.6320E-06	2.5420E-03	1.8760E-03	3.0970E-05	1.2980E-05	1.9200E-03
IKE	2.5375E-03	4.0922E-05	6.4445E-06	2.5849E-03	1.9213E-03	3.0470E-05	1.1080E-05	1.9629E-03
JAERI(SRAC)	2.4875E-03	4.1721E-05	7.0414E-06	2.5363E-03	1.8782E-03	3.1474E-05	1.2332E-05	1.9220E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.5494E-03	1.7261E-05	2.7036E-09	2.5666E-03	1.9782E-03	1.4255E-05	5.6512E-09	1.9925E-03
KFK(1985LIB.)	2.1144E-03	1.4439E-05	1.9224E-09	2.1289E-03	1.5128E-03	1.1177E-05	3.8507E-09	1.5240E-03
MAPI-CRC	2.6380E-03	3.9920E-05	6.7470E-06	2.6850E-03	1.9680E-03	3.0540E-05	1.1050E-05	2.0100E-03
NAIG	2.6628E-03	3.9700E-05	7.2000E-06	2.7100E-03	1.9583E-03	3.0100E-05	1.2500E-05	2.0010E-03
PNC	2.6800E-03	4.0790E-05	2.1020E-05	2.7420E-03	2.0080E-03	3.1580E-05	3.3060E-05	2.0730E-03
PSI(BOXER)	2.3284E-03	0.0	0.0	2.3284E-03	1.6531E-03	0.0	0.0	1.6531E-03
PSI(DANDE)	2.3562E-03	3.7604E-05	7.9545E-06	2.4018E-03	1.7512E-03	2.8143E-05	1.3220E-05	1.7926E-03
STUDSVIK	0.0	0.0	0.0	2.2000E-03	0.0	0.0	0.0	1.5900E-03
TUBS(DATUBS4)	2.3100E-03	3.5120E-05	3.6510E-09	2.3450E-03	1.7490E-03	2.6560E-05	8.9050E-09	1.7760E-03
TUBS(DATUBS5)	2.3810E-03	4.1100E-05	5.5710E-06	2.4280E-03	1.8280E-03	3.2090E-05	9.5690E-06	1.8690E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF AM241 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.0200E-04	3.3800E-05	7.8800E-06	5.4300E-04	3.8700E-04	3.0500E-05	1.9400E-05	4.3700E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	5.4260E-04	4.1340E-05	9.9760E-06	5.9390E-04	4.1900E-04	3.7700E-05	2.3370E-05	4.8010E-04
HITACHI(J2)	5.2530E-04	4.1240E-05	9.8190E-06	5.7630E-04	4.0230E-04	3.7720E-05	2.3070E-05	4.6310E-04
IKE	4.7222E-04	3.4950E-05	1.3540E-05	5.2071E-04	3.5686E-04	3.2738E-05	3.2247E-05	4.2185E-04
JAERI(SRAC)	5.3409E-04	3.9073E-05	9.3669E-06	5.8253E-04	4.0709E-04	3.5971E-05	2.2720E-05	4.6577E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.1256E-04	3.3713E-05	1.1205E-05	5.5747E-04	3.8353E-04	3.2219E-05	2.8659E-05	4.4440E-04
KFK(1985LIB.)	5.0950E-04	3.3131E-05	9.8985E-06	5.5254E-04	3.8313E-04	3.1904E-05	2.6016E-05	4.4105E-04
MAPI-CRC	6.0200E-04	4.4480E-05	1.1600E-05	6.5810E-04	4.6220E-04	3.9730E-05	2.6350E-05	5.2830E-04
NAIG	4.9030E-04	2.4800E-04	1.2000E-05	7.5000E-04	3.5820E-04	1.8040E-04	2.7500E-05	5.6600E-04
PNC	6.2870E-04	4.6370E-05	1.2290E-05	6.8730E-04	4.7250E-04	4.2050E-05	2.8630E-05	5.4320E-04
PSI(BOXER)	5.2197E-04	2.5091E-04	1.0042E-05	7.8292E-04	3.8646E-04	1.8280E-04	2.4753E-05	5.9401E-04
PSI(DANDE)	4.3985E-04	3.4939E-05	1.2689E-05	4.8748E-04	3.3599E-04	3.2919E-05	3.0681E-05	3.9959E-04
STUDSVIK	0.0	0.0	0.0	4.6000E-04	0.0	0.0	0.0	3.5000E-04
TUBS(DATUBS4)	5.1880E-04	3.5900E-05	8.4580E-06	5.6310E-04	3.9750E-04	3.2030E-05	2.0580E-05	4.5010E-04
TUBS(DATUBS5)	4.6640E-04	3.3770E-05	1.2320E-05	5.1240E-04	3.5400E-04	3.2100E-05	2.9220E-05	4.1530E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF AM243 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.6700E-04	1.3200E-06	0.0	5.6900E-04	4.7600E-04	9.0500E-07	0.0	4.7700E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	5.9310E-04	2.1850E-05	1.3400E-05	6.2830E-04	4.9580E-04	2.2200E-05	2.5960E-05	5.4400E-04
HITACHI(J2)	5.6870E-04	2.1610E-05	1.2580E-05	6.0280E-04	4.7880E-04	2.2170E-05	2.4940E-05	5.2590E-04
IKE	5.0330E-04	5.0877E-06	3.0296E-06	5.1142E-04	4.2901E-04	5.2402E-06	6.0753E-06	4.4033E-04
JAERI(SRAC)	5.8751E-04	2.0527E-05	1.2589E-05	6.2062E-04	4.8833E-04	2.1513E-05	2.5610E-05	5.3545E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.7657E-04	3.0037E-06	2.2885E-08	5.7959E-04	4.5829E-04	2.1411E-06	4.6846E-08	4.6047E-04
KFK(1985LIB.)	8.3600E-04	4.3297E-06	2.8288E-08	8.4037E-04	7.2146E-04	3.3651E-06	6.5536E-08	7.2489E-04
MAPI-CRC	5.6110E-04	2.0080E-05	1.2530E-05	5.9370E-04	4.8710E-04	2.1280E-05	2.4810E-05	5.3320E-04
NAIG	5.8090E-04	0.0	0.0	5.8100E-04	4.8880E-04	0.0	0.0	4.8900E-04
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	8.2254E-04	0.0	0.0	8.2254E-04	6.9940E-04	0.0	0.0	6.9940E-04
PSI(DANDE)	5.1434E-04	5.6608E-06	3.2349E-06	5.2323E-04	4.3662E-04	5.8073E-06	6.4623E-06	4.4889E-04
STUDSVIK	0.0	0.0	0.0	8.4000E-04	0.0	0.0	0.0	7.0000E-04
TUBS(DATUBS4)	5.7580E-04	0.0	0.0	5.7580E-04	4.9100E-04	0.0	0.0	4.9100E-04
TUBS(DATUBS5)	5.8120E-04	0.0	0.0	5.8120E-04	4.9620E-04	0.0	0.0	4.9620E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF CM244 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.1200E-04	7.2100E-05	2.5600E-07	5.8400E-04	5.0200E-04	1.0200E-04	8.3400E-07	6.0500E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.9690E-04	7.8060E-05	9.0820E-07	5.7590E-04	4.5140E-04	9.8380E-05	2.4680E-06	5.5220E-04
HITACHI(J2)	4.6850E-04	7.7220E-05	9.0020E-07	5.4660E-04	4.2790E-04	9.7660E-05	2.4460E-06	5.2800E-04
IKE	4.9290E-04	9.0364E-05	5.0512E-07	5.8377E-04	4.6390E-04	1.1521E-04	1.5812E-06	5.8069E-04
JAERI(SRAC)	4.8274E-04	7.4326E-05	9.0524E-07	5.5796E-04	4.4870E-04	9.7980E-05	2.5600E-06	5.4923E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.9108E-04	8.0237E-05	4.1705E-07	5.7173E-04	4.4556E-04	1.0590E-04	1.3685E-06	5.5281E-04
KFK(1985LIB.)	6.9340E-04	1.1063E-04	5.1529E-07	8.0456E-04	6.9295E-04	1.5937E-04	1.9310E-06	8.5424E-04
MAPI-CRC	4.5670E-04	7.9830E-05	8.0100E-07	5.3740E-04	4.3180E-04	1.0660E-04	2.2630E-06	5.4070E-04
NAIG	4.5440E-04	1.4280E-04	6.0000E-07	5.9800E-04	4.2870E-04	2.1900E-04	1.6000E-06	6.4900E-04
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	6.9689E-04	1.4411E-04	7.8373E-07	8.4178E-04	6.6847E-04	2.4772E-04	2.3113E-06	9.1850E-04
PSI(DANDE)	4.8904E-04	7.2971E-05	4.9261E-07	5.6250E-04	4.5168E-04	1.0118E-04	1.5272E-06	5.5439E-04
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	4.1850E-04	1.3100E-04	5.4020E-07	5.5000E-04	4.0870E-04	2.0560E-04	1.5720E-06	6.1590E-04
TUBS(DATUBS5)	4.0660E-04	1.2590E-04	4.9330E-07	5.3300E-04	3.9940E-04	1.9920E-04	1.4450E-06	6.0010E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U235 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.8200E-03	7.7100E-03	5.1500E-04	1.1000E-02	2.0700E-03	8.0100E-03	1.6000E-03	1.1700E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.8025E-03	7.2041E-03	6.7800E-04	1.0680E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	2.8530E-03	8.1250E-03	6.1020E-04	1.1590E-02	2.0890E-03	8.3020E-03	1.8610E-03	1.2250E-02
HITACHI(J2)	2.7870E-03	8.0090E-03	6.0990E-04	1.1410E-02	2.0560E-03	8.1040E-03	1.8690E-03	1.2030E-02
IKE	2.8324E-03	8.1138E-03	5.8968E-04	1.1536E-02	2.0770E-03	8.4432E-03	1.8260E-03	1.2346E-02
JAERI(SRAC)	2.7973E-03	7.8319E-03	5.2687E-04	1.1156E-02	2.0668E-03	8.1116E-03	1.7176E-03	1.1896E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.8797E-03	7.2909E-03	4.5422E-04	1.0625E-02	2.0957E-03	7.6586E-03	1.5540E-03	1.1308E-02
KFK(1985LIB.)	2.8571E-03	7.1862E-03	3.9974E-04	1.0443E-02	2.0869E-03	7.5960E-03	1.4134E-03	1.1096E-02
MAPI-CRC	2.9030E-03	7.7650E-03	5.6780E-04	1.1240E-02	2.1370E-03	7.7960E-03	1.7550E-03	1.1690E-02
NAIG	2.9317E-03	8.2847E-03	5.5760E-04	1.1774E-02	2.1296E-03	8.5325E-03	1.7268E-03	1.2389E-02
PNC	3.2110E-03	7.8260E-03	5.8590E-04	1.1620E-02	2.3150E-03	7.9390E-03	1.8290E-03	1.2080E-02
PSI(BOXER)	2.9539E-03	7.7366E-03	4.9897E-04	1.1189E-02	2.1441E-03	8.1387E-03	1.6452E-03	1.1928E-02
PSI(DANDE)	2.8333E-03	8.0438E-03	5.4237E-04	1.1419E-02	2.0757E-03	8.2812E-03	1.7117E-03	1.2069E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.8880E-03	7.9940E-03	5.2880E-04	1.1410E-02	2.1070E-03	8.2900E-03	1.7530E-03	1.2150E-02
TUBS(DATUBS5)	2.8590E-03	7.7770E-03	4.8360E-04	1.1120E-02	2.0970E-03	8.1310E-03	1.6050E-03	1.1830E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U238 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.3800E-01	0.0	1.5000E-12	1.3800E-01	1.2700E-01	0.0	2.9000E-12	1.2700E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.4459E-01	1.0562E-07	0.0	1.4459E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.3290E-01	2.9440E-05	4.7080E-10	1.3290E-01	1.2180E-01	2.2490E-05	8.8390E-10	1.2180E-01
HITACHI(J2)	1.3930E-01	5.2700E-05	5.1280E-09	1.3940E-01	1.2500E-01	4.2220E-05	1.2040E-08	1.2500E-01
IKE	1.4623E-01	5.1321E-05	4.8039E-09	1.4628E-01	1.3516E-01	4.0322E-05	1.1601E-08	1.3520E-01
JAERI(SRAC)	1.4694E-01	5.7371E-05	0.0	1.4700E-01	1.3291E-01	4.4713E-05	0.0	1.3295E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.3976E-01	0.0	0.0	1.3976E-01	1.2768E-01	0.0	0.0	1.2768E-01
KFK(1985LIB.)	1.3857E-01	0.0	0.0	1.3857E-01	1.2699E-01	0.0	0.0	1.2700E-01
MAPI-CRC	1.5190E-01	5.3140E-05	4.9470E-09	1.5200E-01	1.3870E-01	4.2310E-05	1.1650E-08	1.3870E-01
NAIG	1.5120E-01	4.0000E-06	0.0	1.5120E-01	1.3283E-01	2.8000E-06	0.0	1.3284E-01
PNC	1.4350E-01	0.0	0.0	1.4350E-01	1.3050E-01	0.0	0.0	1.3050E-01
PSI(BOXER)	1.4620E-01	4.9614E-05	3.1232E-09	1.4624E-01	1.3283E-01	3.8529E-05	5.8624E-09	1.3287E-01
PSI(DANDE)	1.3595E-01	5.3459E-05	4.6154E-09	1.3600E-01	1.2550E-01	4.2411E-05	1.1183E-08	1.2554E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.4260E-01	9.6680E-06	0.0	1.4270E-01	1.3270E-01	7.4880E-06	0.0	1.3270E-01
TUBS(DATUBS5)	1.4480E-01	5.7390E-05	3.9100E-09	1.4480E-01	1.3440E-01	4.4570E-05	1.0140E-08	1.3450E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU239 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.8000E-01	3.2900E-01	5.3200E-02	5.6200E-01	9.3400E-02	2.5700E-01	1.4400E-01	4.9500E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.7591E-01	3.2492E-01	6.2431E-02	5.6316E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.7270E-01	3.2730E-01	6.1570E-02	5.6160E-01	8.9900E-02	2.5380E-01	1.5890E-01	5.0260E-01
HITACHI(J2)	1.7060E-01	3.2900E-01	6.1260E-02	5.6080E-01	8.9180E-02	2.5180E-01	1.5690E-01	4.9790E-01
IKE	1.7504E-01	3.2628E-01	5.9499E-02	5.6082E-01	9.2222E-02	2.4711E-01	1.5816E-01	4.9749E-01
JAERI(SRAC)	1.7535E-01	3.2709E-01	5.3772E-02	5.5622E-01	9.2287E-02	2.5350E-01	1.5120E-01	4.9698E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.7505E-01	3.1815E-01	5.0266E-02	5.4347E-01	9.0895E-02	2.5074E-01	1.4115E-01	4.8278E-01
KFK(1985LIB.)	1.7604E-01	3.1636E-01	4.5760E-02	5.3816E-01	9.2216E-02	2.5193E-01	1.3190E-01	4.7605E-01
MAPI-CRC	1.7950E-01	3.2650E-01	5.7970E-02	5.6400E-01	9.5350E-02	2.5300E-01	1.5290E-01	5.0120E-01
NAIG	1.8106E-01	3.2808E-01	5.7676E-02	5.6682E-01	9.3568E-02	2.5151E-01	1.5331E-01	4.9839E-01
PNC	1.8000E-01	3.2580E-01	5.9760E-02	5.6560E-01	9.2420E-02	2.4910E-01	1.5740E-01	4.9890E-01
PSI(BOXER)	1.8129E-01	3.2341E-01	5.2931E-02	5.5763E-01	9.3869E-02	2.5201E-01	1.4541E-01	4.9128E-01
PSI(DANDE)	1.7558E-01	3.2952E-01	5.7427E-02	5.6253E-01	9.2020E-02	2.5452E-01	1.5253E-01	4.9908E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.7420E-01	3.4290E-01	4.9360E-02	5.6650E-01	9.3230E-02	2.7120E-01	1.4000E-01	5.0440E-01
TUBS(DATUBS5)	1.7750E-01	3.3640E-01	4.7430E-02	5.6130E-01	9.5720E-02	2.6770E-01	1.3590E-01	4.9930E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU240 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.7200E-02	3.0100E-03	1.4600E-05	4.0200E-02	2.3600E-02	1.9200E-03	3.4000E-05	2.5600E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.6693E-02	2.3215E-03	1.6138E-05	3.9029E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	3.6290E-02	2.9360E-03	1.8480E-05	3.9250E-02	2.3180E-02	1.8770E-03	3.8000E-05	2.5090E-02
HITACHI(J2)	3.5040E-02	3.2980E-03	1.7900E-05	3.8360E-02	2.2460E-02	2.1050E-03	3.9150E-05	2.4610E-02
IKE	3.5522E-02	3.2845E-03	1.6987E-05	3.8824E-02	2.2889E-02	2.0836E-03	3.7248E-05	2.5010E-02
JAERI(SRAC)	3.6171E-02	3.2986E-03	1.6409E-05	3.9477E-02	2.3249E-02	2.1235E-03	3.6922E-05	2.5409E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.6123E-02	1.9802E-03	1.4859E-05	3.8118E-02	2.2540E-02	1.3392E-03	3.4182E-05	2.3914E-02
KFK(1985LIB.)	3.6626E-02	1.9937E-03	1.3467E-05	3.8634E-02	2.2966E-02	1.3605E-03	3.1669E-05	2.4359E-02
MAPI-CRC	3.6730E-02	3.1140E-03	1.7650E-05	3.9860E-02	2.3550E-02	2.0240E-03	3.7660E-05	2.5610E-02
NAIG	3.7501E-02	1.5171E-03	1.6200E-05	3.9034E-02	2.3309E-02	9.2330E-04	3.5300E-05	2.4268E-02
PNC	3.7290E-02	3.1310E-03	1.8390E-05	4.0440E-02	2.3070E-02	2.0400E-03	3.9350E-05	2.5140E-02
PSI(BOXER)	3.9404E-02	2.8601E-03	1.6172E-05	4.2280E-02	2.4648E-02	1.8409E-03	3.6376E-05	2.6526E-02
PSI(DANDE)	3.3907E-02	3.0850E-03	1.7027E-05	3.7009E-02	2.1457E-02	2.0074E-03	3.7072E-05	2.3502E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.5950E-02	2.9160E-03	1.6870E-05	3.8880E-02	2.2960E-02	1.8880E-03	3.5870E-05	2.4890E-02
TUBS(DATUBS5)	3.4200E-02	3.2670E-03	1.6150E-05	3.7480E-02	2.2160E-02	2.1520E-03	3.5840E-05	2.4350E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU241 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.1200E-02	1.4500E-01	1.0500E-02	1.9700E-01	3.1100E-02	1.7200E-01	3.8000E-02	2.4100E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	4.2632E-02	1.5274E-01	1.3733E-02	2.0909E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	4.1590E-02	1.5280E-01	1.2650E-02	2.0700E-01	3.0820E-02	1.7410E-01	4.4200E-02	2.4910E-01
HITACHI(J2)	4.1560E-02	1.4750E-01	1.2730E-02	2.0180E-01	3.0460E-02	1.6850E-01	4.3870E-02	2.4290E-01
IKE	4.1783E-02	1.4107E-01	1.1983E-02	1.9484E-01	3.0541E-02	1.6430E-01	4.2168E-02	2.3701E-01
JAERI(SRAC)	4.1776E-02	1.3927E-01	1.1090E-02	1.9214E-01	3.0728E-02	1.6213E-01	4.1241E-02	2.3410E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.0896E-02	1.3064E-01	9.8752E-03	1.8141E-01	3.0430E-02	1.5985E-01	3.7880E-02	2.2816E-01
KFK(1985LIB.)	3.9985E-02	1.2608E-01	8.6456E-03	1.7471E-01	3.0033E-02	1.5589E-01	3.4334E-02	2.2026E-01
MAPI-CRC	4.2660E-02	1.4130E-01	1.2030E-02	1.9600E-01	3.1320E-02	1.6130E-01	4.1460E-02	2.3400E-01
NAIG	4.2789E-02	1.4312E-01	1.1519E-02	1.9742E-01	3.1715E-02	1.6974E-01	4.1291E-02	2.4275E-01
PNC	4.3550E-02	1.4760E-01	1.2710E-02	2.0390E-01	3.1670E-02	1.7080E-01	4.4950E-02	2.4740E-01
PSI(BOXER)	4.4565E-02	1.4580E-01	1.1151E-02	2.0151E-01	3.3293E-02	1.7401E-01	4.1822E-02	2.4912E-01
PSI(DANDE)	4.1768E-02	1.4450E-01	1.1468E-02	1.9774E-01	3.0863E-02	1.6970E-01	4.0530E-02	2.4109E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	4.2670E-02	1.4550E-01	1.6020E-02	2.0420E-01	3.1570E-02	1.6810E-01	5.0260E-02	2.4990E-01
TUBS(DATUBS5)	4.2630E-02	1.3510E-01	1.5300E-02	1.9300E-01	3.1070E-02	1.5660E-01	4.8200E-02	2.3580E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU242 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	7.7600E-03	0.0	0.0	7.7600E-03	5.7100E-03	0.0	0.0	5.7100E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	7.9757E-03	0.0	0.0	7.9757E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	7.8160E-03	0.0	0.0	7.8160E-03	5.8600E-03	0.0	0.0	5.8600E-03
HITACHI(J2)	7.6780E-03	1.1770E-04	2.1430E-05	7.8180E-03	5.8090E-03	8.6980E-05	3.6450E-05	5.9330E-03
IKE	7.8314E-03	1.1492E-04	1.8096E-05	7.9645E-03	5.9689E-03	8.5558E-05	3.1113E-05	6.0856E-03
JAERI(SRAC)	7.6836E-03	1.1716E-04	1.9772E-05	7.8204E-03	5.8337E-03	8.8384E-05	3.4627E-05	5.9566E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	8.1358E-03	4.9734E-05	7.7909E-09	8.1855E-03	6.3525E-03	4.1073E-05	1.6284E-08	6.3936E-03
KFK(1985LIB.)	6.7425E-03	4.1605E-05	5.5403E-09	6.7842E-03	4.8544E-03	3.2204E-05	1.1096E-08	4.8867E-03
MAPI-CRC	8.1530E-03	1.1210E-04	1.8950E-05	8.2840E-03	6.1220E-03	8.5770E-05	3.1040E-05	6.2390E-03
NAIG	8.2241E-03	1.1160E-04	2.0300E-05	8.3560E-03	6.0773E-03	8.4600E-05	3.5000E-05	6.1970E-03
PNC	8.2250E-03	1.1460E-04	5.9030E-05	8.3980E-03	6.2030E-03	8.8680E-05	9.2820E-05	6.3850E-03
PSI(BOXER)	7.1965E-03	0.0	0.0	7.1965E-03	5.1464E-03	0.0	0.0	5.1464E-03
PSI(DANDE)	7.2550E-03	1.0560E-04	2.2336E-05	7.3829E-03	5.4286E-03	7.9030E-05	3.7122E-05	5.5447E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	7.2300E-03	9.8690E-05	1.0260E-08	7.3290E-03	5.5140E-03	7.4640E-05	2.5020E-08	5.5890E-03
TUBS(DATUBS5)	7.3650E-03	1.1540E-04	1.5640E-05	7.4960E-03	5.6870E-03	9.0110E-05	2.6870E-05	5.8040E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF AM241 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.7300E-03	1.0500E-04	2.4300E-05	1.8500E-03	1.3400E-03	9.4200E-05	5.9900E-05	1.4900E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.5627E-03	7.4250E-04	3.0892E-05	2.3353E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.9210E-03	1.3300E-04	3.2160E-05	2.0860E-03	1.4910E-03	1.2150E-04	7.5320E-05	1.6880E-03
HITACHI(J2)	1.8660E-03	1.3290E-04	3.1650E-05	2.0300E-03	1.4350E-03	1.2160E-04	7.4370E-05	1.6310E-03
IKE	1.7397E-03	1.1639E-04	4.5089E-05	1.9012E-03	1.3220E-03	1.0902E-04	1.0738E-04	1.5384E-03
JAERI(SRAC)	1.9020E-03	1.2596E-04	3.0194E-05	2.0581E-03	1.4563E-03	1.1596E-04	7.3237E-05	1.6455E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.7870E-03	1.0499E-04	3.4851E-05	1.9269E-03	1.3449E-03	1.0031E-04	8.9135E-05	1.5343E-03
KFK(1985LIB.)	1.7747E-03	1.0318E-04	3.0787E-05	1.9086E-03	1.3423E-03	9.9327E-05	8.0915E-05	1.5225E-03
MAPI-CRC	2.1460E-03	1.4340E-04	3.7410E-05	2.3270E-03	1.6560E-03	1.2810E-04	8.4940E-05	1.8690E-03
NAIG	1.6792E-03	7.6640E-04	3.7200E-05	2.4830E-03	1.2344E-03	5.5750E-04	8.4900E-05	1.8770E-03
PNC	2.2260E-03	1.4950E-04	3.9630E-05	2.4150E-03	1.6820E-03	1.3560E-04	9.2300E-05	1.9100E-03
PSI(BOXER)	1.7818E-03	7.7537E-04	3.1028E-05	2.5882E-03	1.3300E-03	5.0490E-04	7.6486E-05	1.9713E-03
PSI(DANDE)	1.6176E-03	1.1635E-04	4.2254E-05	1.7762E-03	1.2426E-03	1.0962E-04	1.0217E-04	1.4544E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.7920E-03	1.1090E-04	2.6140E-05	1.9290E-03	1.3810E-03	9.8990E-05	6.3600E-05	1.5440E-03
TUBS(DATUBS5)	1.7200E-03	1.1250E-04	4.1030E-05	1.8730E-03	1.3120E-03	1.0690E-04	9.7320E-05	1.5160E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF AM243 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.1000E-03	4.3100E-06	0.0	2.1000E-03	1.7700E-03	2.9600E-06	0.0	1.7700E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.8670E-03	0.0	0.0	1.8670E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	2.1100E-03	7.0140E-05	4.3020E-05	2.2230E-03	1.7730E-03	7.1240E-05	8.3330E-05	1.9280E-03
HITACHI(J2)	2.0310E-03	6.9350E-05	4.0380E-05	2.1400E-03	1.7170E-03	7.1150E-05	8.0030E-05	1.8680E-03
IKE	1.7480E-03	1.5594E-05	9.2831E-06	1.7729E-03	1.4992E-03	1.6061E-05	1.8615E-05	1.5339E-03
JAERI(SRAC)	2.1040E-03	6.5881E-05	4.0404E-05	2.2103E-03	1.7567E-03	6.9046E-05	8.2197E-05	1.9080E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.8564E-03	8.4130E-06	6.4077E-08	1.8649E-03	1.4854E-03	5.9970E-06	1.3117E-07	1.4915E-03
KFK(1985LIB.)	2.6887E-03	1.2127E-05	7.9207E-08	2.7009E-03	2.3359E-03	9.4252E-06	1.8350E-07	2.3455E-03
MAPI-CRC	2.0120E-03	6.4450E-05	4.0230E-05	2.1160E-03	1.7750E-03	6.8300E-05	7.9630E-05	1.9030E-03
NAIG	1.9419E-03	0.0	0.0	1.9420E-03	1.6385E-03	0.0	0.0	1.6380E-03
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	2.7625E-03	0.0	0.0	2.7625E-03	2.3613E-03	0.0	0.0	2.3613E-03
PSI(DANDE)	1.7833E-03	1.7351E-05	9.9120E-06	1.8106E-03	1.5232E-03	1.7799E-05	1.9801E-05	1.5608E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.9420E-03	0.0	0.0	1.9420E-03	1.6660E-03	0.0	0.0	1.6660E-03
TUBS(DATUBS5)	1.9640E-03	0.0	0.0	1.9640E-03	1.6860E-03	0.0	0.0	1.6860E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF CM244 (BURNUP=50GWD/T VOID=45%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.9400E-03	2.5000E-04	8.8700E-07	2.1900E-03	1.9200E-03	3.5400E-04	2.8900E-06	2.2800E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.9495E-03	5.2723E-04	1.7119E-06	2.4786E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.7630E-03	2.5290E-04	2.9420E-06	2.0190E-03	1.6130E-03	3.1880E-04	7.9960E-06	1.9400E-03
HITACHI(J2)	1.6680E-03	2.5020E-04	2.9170E-06	1.9210E-03	1.5330E-03	3.1640E-04	7.9240E-06	1.8570E-03
IKE	1.7656E-03	2.9279E-04	1.6366E-06	2.0601E-03	1.6755E-03	3.7330E-04	5.1229E-06	2.0539E-03
JAERI(SRAC)	1.7237E-03	2.4083E-04	2.9330E-06	1.9674E-03	1.6126E-03	3.1746E-04	8.2945E-06	1.9384E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.7531E-03	2.3672E-04	1.2037E-06	1.9910E-03	1.6021E-03	3.0972E-04	3.9486E-06	1.9158E-03
KFK(1985LIB.)	2.4733E-03	3.2652E-04	1.4872E-06	2.8014E-03	2.4897E-03	4.6631E-04	5.5715E-06	2.9616E-03
MAPI-CRC	1.6310E-03	2.5870E-04	2.5950E-06	1.8920E-03	1.5540E-03	3.4550E-04	7.3320E-06	1.9070E-03
NAIG	1.5764E-03	4.6120E-04	1.9000E-06	2.0400E-03	1.4948E-03	7.0730E-04	5.2000E-06	2.2070E-03
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	2.4114E-03	4.6547E-04	2.5314E-06	2.8794E-03	2.3286E-03	8.0015E-04	7.4656E-06	3.1362E-03
PSI(DANDE)	1.7473E-03	2.5341E-04	1.5960E-06	2.0023E-03	1.6275E-03	3.4135E-04	4.9481E-06	1.9737E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.4550E-03	4.2300E-04	1.7450E-06	1.8800E-03	1.4310E-03	6.6410E-04	5.0770E-06	2.1000E-03
TUBS(DATUBS5)	1.4160E-03	4.0670E-04	1.5930E-06	1.8240E-03	1.4000E-03	6.4360E-04	4.6660E-06	2.0480E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U235 (BURNUP=0GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.1500E-03	7.0400E-03	5.1200E-05	1.3200E-02	5.1800E-03	9.8000E-03	2.0500E-04	1.5200E-02
CEA	0.0	0.0	0.0	1.3359E-02	0.0	0.0	0.0	0.0
GKSS	6.0990E-03	7.1940E-03	6.8800E-05	1.3360E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	6.1620E-03	7.6970E-03	6.6280E-05	1.3930E-02	5.1880E-03	1.0340E-02	2.2670E-04	1.5750E-02
HITACHI(J2)	6.1470E-03	8.0630E-03	6.4370E-05	1.4280E-02	5.1450E-03	1.0840E-02	2.3420E-04	1.6220E-02
IKE	5.8937E-03	7.1435E-03	5.7037E-05	1.3094E-02	5.0070E-03	9.9176E-03	2.1615E-04	1.5141E-02
JAERI(SRAC)	6.0091E-03	7.5831E-03	4.3229E-05	1.3635E-02	5.1547E-03	1.0515E-02	1.8712E-04	1.5857E-02
JAERI(VIM)	6.0686E-03	7.5508E-03	6.4573E-05	1.3684E-02	5.1779E-03	1.0625E-02	2.2071E-04	1.6023E-02
KFK(NEWEST)	5.8792E-03	6.4071E-03	4.0180E-05	1.2327E-02	4.9576E-03	8.7914E-03	1.5123E-04	1.3900E-02
KFK(1985LIB.)	5.8577E-03	6.3623E-03	3.4350E-05	1.2255E-02	4.9592E-03	8.8144E-03	1.3212E-04	1.3906E-02
MAPI-CRC	6.1300E-03	7.7470E-03	5.0510E-05	1.3930E-02	5.1970E-03	1.0100E-02	1.8770E-04	1.5490E-02
NAIG	6.0383E-03	6.9476E-03	5.4400E-05	1.3040E-02	5.0786E-03	9.9604E-03	2.1490E-04	1.5254E-02
PNC	6.7410E-03	6.8640E-03	5.0910E-05	1.3660E-02	5.6880E-03	9.6370E-03	2.2520E-04	1.5550E-02
PSI(BOXER)	6.1987E-03	7.0231E-03	4.6628E-05	1.3268E-02	5.2478E-03	9.9054E-03	1.8178E-04	1.5335E-02
PSI(DANDE)	6.0238E-03	7.5589E-03	5.9511E-05	1.3642E-02	5.0655E-03	1.0648E-02	2.3581E-04	1.5950E-02
STUDSVIK	0.0	0.0	0.0	1.3360E-02	0.0	0.0	0.0	1.5440E-02
TUBS(DATUBS4)	6.0730E-03	7.0620E-03	4.3420E-05	1.3180E-02	5.1500E-03	9.8060E-03	1.7260E-04	1.5130E-02
TUBS(DATUBS5)	5.9050E-03	7.0650E-03	4.1250E-05	1.3010E-02	5.0150E-03	9.7380E-03	1.6440E-04	1.4920E-02
VA.TECH	6.1699E-03	6.9298E-03	4.8440E-05	1.3148E-02	5.1874E-03	9.8250E-03	1.9281E-04	1.5205E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U238 (BURNUP=0GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.8300E-01	2.1000E-01	2.4500E-04	4.9300E-01	2.4600E-01	2.4100E-01	9.3600E-04	4.8800E-01
CEA	0.0	0.0	0.0	4.8281E-01	0.0	0.0	0.0	0.0
GKSS	2.8840E-01	1.9730E-01	3.7660E-05	4.8570E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	2.8400E-01	1.9190E-01	3.3300E-04	4.7620E-01	2.4700E-01	2.2910E-01	1.0330E-03	4.7720E-01
HITACHI(J2)	2.7940E-01	1.8800E-01	3.0000E-04	4.6770E-01	2.4150E-01	2.2570E-01	1.0180E-04	4.6830E-01
IKE	2.7953E-01	2.0598E-01	2.7059E-04	4.8577E-01	2.4735E-01	2.3669E-01	9.6899E-04	4.8500E-01
JAERI(SRAC)	2.7896E-01	2.0559E-01	2.2071E-04	4.8478E-01	2.4624E-01	2.3571E-01	8.9149E-04	4.8284E-01
JAERI(VIM)	2.7856E-01	2.0603E-01	2.9752E-04	4.8490E-01	2.4458E-01	2.3919E-01	1.0110E-03	4.8478E-01
KFK(NEWEST)	2.8835E-01	1.9919E-01	2.1865E-04	4.8776E-01	2.5199E-01	2.2950E-01	7.7085E-04	4.8227E-01
KFK(1985LIB.)	2.8622E-01	1.9796E-01	1.7738E-04	4.8437E-01	2.5097E-01	2.3007E-01	6.4251E-04	4.8168E-01
MAPI-CRC	2.7740E-01	1.9480E-01	2.5240E-04	4.7250E-01	2.4410E-01	2.3490E-01	8.7160E-04	4.7990E-01
NAIG	3.0459E-01	1.8788E-01	2.6820E-04	4.9274E-01	2.6112E-01	2.1851E-01	1.0035E-03	4.8064E-01
PNC	3.1780E-01	1.7100E-01	2.5670E-04	4.8900E-01	2.7640E-01	1.9830E-01	1.0650E-03	4.7580E-01
PSI(BOXER)	2.8219E-01	1.9940E-01	2.1968E-04	4.8181E-01	2.4715E-01	2.3035E-01	8.0347E-04	4.7830E-01
PSI(DANDE)	2.7723E-01	2.0311E-01	3.0447E-04	4.8064E-01	2.4160E-01	2.3740E-01	1.1265E-03	4.8012E-01
STUDSVIK	0.0	0.0	0.0	4.9381E-01	0.0	0.0	0.0	4.9327E-01
TUBS(DATUBS4)	2.8800E-01	1.9720E-01	2.3710E-04	4.8550E-01	2.5320E-01	2.2990E-01	8.5210E-04	4.8400E-01
TUBS(DATUBS5)	2.8250E-01	2.0000E-01	2.2580E-04	4.8270E-01	2.4850E-01	2.3430E-01	8.1520E-04	4.8370E-01
VA.TECH	2.8709E-01	2.1426E-01	2.5272E-04	5.0160E-01	2.4926E-01	2.4981E-01	9.4885E-04	5.0001E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU239 (BURNUP=0GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.5700E-01	1.5700E-01	1.5900E-03	3.1600E-01	1.1600E-01	1.8600E-01	6.6600E-03	3.0900E-01
CEA	0.0	0.0	0.0	3.2357E-01	0.0	0.0	0.0	0.0
GKSS	1.5540E-01	1.5800E-01	1.7880E-03	3.1520E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.5680E-01	1.6550E-01	2.1130E-03	3.2440E-01	1.1550E-01	1.9350E-01	7.7400E-03	3.1650E-01
HITACHI(J2)	1.5700E-01	1.6920E-01	2.0970E-03	3.2830E-01	1.1500E-01	1.9880E-01	7.6160E-03	3.2140E-01
IKE	1.5453E-01	1.6061E-01	1.7131E-03	3.1686E-01	1.1484E-01	1.8996E-01	6.9451E-03	3.1174E-01
JAERI(SRAC)	1.5449E-01	1.6254E-01	1.0912E-03	3.1812E-01	1.1579E-01	1.9360E-01	5.4613E-03	3.1485E-01
JAERI(VIM)	1.5599E-01	1.6210E-01	1.7906E-03	3.1988E-01	1.1621E-01	1.9672E-01	7.1190E-03	3.2005E-01
KFK(NEWEST)	1.4909E-01	1.4535E-01	1.3842E-03	2.9583E-01	1.1010E-01	1.7333E-01	5.4673E-03	2.8890E-01
KFK(1985LIB.)	1.4840E-01	1.4425E-01	1.2351E-03	2.9389E-01	1.1002E-01	1.7379E-01	4.9559E-03	2.8878E-01
MAPI-CRC	1.5890E-01	1.6340E-01	1.5940E-03	3.2390E-01	1.1770E-01	1.9130E-01	6.1350E-03	3.1510E-01
NAIG	1.5672E-01	1.5682E-01	1.6658E-03	3.1520E-01	1.1533E-01	1.9033E-01	7.1299E-03	3.1279E-01
PNC	1.6410E-01	1.5690E-01	1.6220E-03	3.2260E-01	1.2090E-01	1.9240E-01	7.3490E-03	3.2060E-01
PSI(BOXER)	1.6066E-01	1.6135E-01	1.5770E-03	3.2359E-01	1.1878E-01	1.9376E-01	6.4618E-03	3.1900E-01
PSI(DANDE)	1.5861E-01	1.6544E-01	1.8774E-03	3.2593E-01	1.1645E-01	1.9787E-01	7.8802E-03	3.2219E-01
STUDSVIK	0.0	0.0	0.0	3.1773E-01	0.0	0.0	0.0	3.1479E-01
TUBS(DATUBS4)	1.5440E-01	1.6280E-01	1.4580E-03	3.1870E-01	1.1500E-01	1.9660E-01	5.7920E-03	3.1740E-01
TUBS(DATUBS5)	1.5390E-01	1.6100E-01	1.4040E-03	3.1630E-01	1.1470E-01	1.9360E-01	5.5950E-03	3.1400E-01
VA.TECH	1.5723E-01	1.5204E-01	1.3881E-03	3.1066E-01	1.1588E-01	1.8715E-01	6.3586E-03	3.0939E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU240 (BURNUP=0GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.7900E-02	2.8600E-02	1.7700E-03	5.8300E-02	2.1600E-02	3.4400E-02	7.3900E-03	6.3400E-02
CEA	0.0	0.0	0.0	5.8680E-02	0.0	0.0	0.0	0.0
GKSS	2.7670E-02	2.7950E-02	2.5560E-03	5.8170E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	2.7670E-02	2.8470E-02	2.5440E-03	5.8680E-02	2.1440E-02	3.3380E-02	8.7020E-03	6.3510E-02
HITACHI(J2)	2.8760E-02	3.0620E-02	2.6070E-03	6.1990E-02	2.2020E-02	3.5870E-02	9.1360E-03	6.7020E-02
IKE	2.8577E-02	3.0000E-02	2.2629E-03	6.0840E-02	2.2222E-02	3.5083E-02	8.4411E-03	6.5747E-02
JAERI(SRAC)	2.8704E-02	2.9690E-02	1.6159E-03	6.0011E-02	2.2405E-02	3.4742E-02	7.1764E-03	6.4324E-02
JAERI(VIM)	2.8737E-02	3.0708E-02	2.1586E-03	6.1603E-02	2.2250E-02	3.5371E-02	8.4465E-03	6.6067E-02
KFK(NEWEST)	2.9232E-02	2.3755E-02	1.9408E-03	5.4928E-02	2.2485E-02	2.8845E-02	7.0327E-03	5.8363E-02
KFK(1985LIB.)	2.9021E-02	2.3579E-02	1.7535E-03	5.4355E-02	2.2409E-02	2.8921E-02	6.4317E-03	5.7763E-02
MAPI-CRC	2.9560E-02	2.9260E-02	2.2650E-03	6.1090E-02	2.2950E-02	3.3950E-02	7.8160E-03	6.4710E-02
NAIG	2.9523E-02	2.6689E-02	2.3567E-03	5.8569E-02	2.2716E-02	3.2168E-02	9.1723E-03	6.4056E-02
PNC	3.0800E-02	2.8260E-02	2.2700E-03	6.1340E-02	2.3640E-02	3.4230E-02	9.4250E-03	6.7300E-02
PSI(BOXER)	2.9138E-02	2.7891E-02	2.1615E-03	5.9191E-02	2.2715E-02	3.2722E-02	8.0935E-03	6.3531E-02
PSI(DANDE)	2.9180E-02	2.9659E-02	2.6469E-03	6.1485E-02	2.2360E-02	3.4414E-02	1.0079E-02	6.6853E-02
STUDSVIK	0.0	0.0	0.0	4.5280E-02	0.0	0.0	0.0	5.1810E-02
TUBS(DATUBS4)	2.7170E-02	2.7210E-02	2.3370E-03	5.6720E-02	2.1420E-02	3.2410E-02	8.1950E-03	6.2030E-02
TUBS(DATUBS5)	2.8170E-02	2.9780E-02	2.2710E-03	6.0220E-02	2.2060E-02	3.5750E-02	7.9730E-03	6.5780E-02
VA.TECH	2.7859E-02	2.7630E-02	1.8080E-03	5.7297E-02	2.1729E-02	3.3939E-02	7.5254E-03	6.3193E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU241 (BURNUP=0GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.3400E-02	3.9800E-02	3.2500E-04	7.3600E-02	2.4300E-02	4.9600E-02	1.1800E-03	7.5000E-02
CEA	0.0	0.0	0.0	7.2591E-02	0.0	0.0	0.0	0.0
GKSS	3.3180E-02	4.1080E-02	4.0440E-04	7.4660E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	3.3470E-02	4.3320E-02	4.1170E-04	7.7200E-02	2.4340E-02	5.2290E-02	1.3130E-03	7.7940E-02
HITACHI(J2)	3.4400E-02	4.2040E-02	4.2720E-04	7.6870E-02	2.4820E-02	5.1470E-02	1.3910E-03	7.7680E-02
IKE	3.3780E-02	3.8675E-02	3.7338E-04	7.2830E-02	2.4755E-02	4.8560E-02	1.3052E-03	7.4620E-02
JAERI(SRAC)	3.3704E-02	3.9138E-02	2.6690E-04	7.3129E-02	2.4935E-02	4.9135E-02	1.0726E-03	7.5142E-02
JAERI(VIM)	3.3947E-02	3.8651E-02	4.1831E-04	7.3016E-02	2.4969E-02	4.9029E-02	1.3812E-03	7.5379E-02
KFK(NEWEST)	3.2221E-02	3.4935E-02	2.8422E-04	6.7441E-02	2.3436E-02	4.3696E-02	9.7865E-04	6.8112E-02
KFK(1985LIB.)	3.2100E-02	3.4676E-02	2.4591E-04	6.7023E-02	2.3442E-02	4.3812E-02	8.6546E-04	6.8121E-02
MAPI-CRC	3.4310E-02	4.0420E-02	3.4820E-04	7.5080E-02	2.5070E-02	4.7890E-02	1.1750E-03	7.4130E-02
NAIG	3.4605E-02	3.8036E-02	3.6190E-04	7.3002E-02	2.5113E-02	4.9697E-02	1.3196E-03	7.6130E-02
PNC	3.5100E-02	3.9180E-02	3.5840E-04	7.4630E-02	2.5570E-02	5.1230E-02	1.4300E-03	7.8230E-02
PSI(BOXER)	3.3768E-02	3.9278E-02	3.2197E-04	7.3368E-02	2.4656E-02	4.9437E-02	1.1401E-03	7.5233E-02
PSI(DANDE)	3.4491E-02	4.1737E-02	4.2943E-04	7.6657E-02	2.4988E-02	5.3820E-02	1.5322E-03	8.0341E-02
STUDSVIK	0.0	0.0	0.0	7.6360E-02	0.0	0.0	0.0	8.0560E-02
TUBS(DATUBS4)	3.3270E-02	3.9250E-02	6.1570E-04	7.3130E-02	2.4370E-02	4.8250E-02	1.9820E-03	7.4600E-02
TUBS(DATUBS5)	3.3780E-02	3.7770E-02	6.6670E-04	7.2220E-02	2.4760E-02	4.6760E-02	2.1350E-03	7.3660E-02
VA.TECH	3.3505E-02	3.8352E-02	2.9547E-04	7.2152E-02	2.4328E-02	4.8605E-02	1.1724E-03	7.4106E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU242 (BURNUP=0GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.3200E-03	5.9200E-03	1.0700E-03	1.3300E-02	5.0100E-03	6.9200E-03	3.1800E-03	1.5100E-02
CEA	0.0	0.0	0.0	1.4529E-02	0.0	0.0	0.0	0.0
GKSS	6.2950E-03	6.3330E-03	1.2740E-03	1.3900E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	6.2620E-03	5.8970E-03	1.4660E-03	1.3630E-02	4.9520E-03	6.6390E-03	3.9830E-03	1.5570E-02
HITACHI(J2)	6.9640E-03	6.1690E-03	1.3030E-03	1.4440E-02	5.3590E-03	6.6460E-03	3.7120E-03	1.5720E-02
IKE	6.9260E-03	6.2752E-03	1.1496E-03	1.4351E-02	5.4171E-03	6.9754E-03	3.3101E-03	1.5703E-02
JAERI(SRAC)	6.9748E-03	6.4222E-03	9.6335E-04	1.4360E-02	5.4734E-03	7.1361E-03	3.1140E-03	1.5723E-02
JAERI(VIM)	6.9598E-03	6.1461E-03	1.3225E-03	1.4428E-02	5.4138E-03	7.1270E-03	3.2047E-03	1.5745E-02
KFK(NEWEST)	6.8550E-03	5.8333E-03	1.0659E-03	1.3754E-02	5.3396E-03	6.5528E-03	3.0008E-03	1.4894E-02
KFK(1985LIB.)	6.8005E-03	5.7924E-03	1.4776E-03	1.4071E-02	5.3176E-03	6.5697E-03	4.4362E-03	1.6324E-02
MAPI-CRC	7.1320E-03	6.2150E-03	9.3390E-04	1.4280E-02	5.5740E-03	6.6470E-03	2.8940E-03	1.5120E-02
NAIG	7.2937E-03	5.9216E-03	1.1405E-03	1.4356E-02	5.6415E-03	6.6213E-03	3.4276E-03	1.5690E-02
PNC	7.4170E-03	6.0390E-03	9.5760E-04	1.4410E-02	5.7310E-03	6.8000E-03	3.3180E-03	1.5850E-02
PSI(BOXER)	6.6564E-03	6.3624E-03	1.9208E-03	1.4940E-02	5.2805E-03	7.4380E-03	5.7942E-03	1.8513E-02
PSI(DANDE)	7.0384E-03	6.3481E-03	1.4655E-03	1.4852E-02	5.4280E-03	6.9804E-03	4.3460E-03	1.6754E-02
STUDSVIK	0.0	0.0	0.0	1.5300E-02	0.0	0.0	0.0	1.9600E-02
TUBS(DATUBS4)	6.9140E-03	5.8340E-03	1.1010E-03	1.3850E-02	5.4510E-03	6.9970E-03	3.1470E-03	1.5590E-02
TUBS(DATUBS5)	6.9230E-03	6.6180E-03	1.0570E-03	1.4600E-02	5.4440E-03	7.8110E-03	3.0330E-03	1.6290E-02
VA.TECH	6.3347E-03	5.9425E-03	1.3630E-03	1.3640E-02	5.0406E-03	7.2197E-03	3.3181E-03	1.5579E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U235 (BURNUP=0GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.9500E-03	4.8700E-03	3.7900E-05	9.8600E-03	4.1900E-03	6.6500E-03	1.5300E-04	1.1000E-02
CEA	0.0	0.0	0.0	9.9150E-03	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.9420E-03	5.3090E-03	4.8150E-05	1.0300E-02	4.1890E-03	7.0060E-03	1.6990E-04	1.1370E-02
HITACHI(J2)	4.9180E-03	5.4270E-03	4.6530E-05	1.0390E-02	4.1400E-03	7.1200E-03	1.7160E-04	1.1430E-02
IKE	4.7216E-03	4.9228E-03	4.1431E-05	9.6860E-03	4.0362E-03	6.7135E-03	1.6041E-04	1.0910E-02
JAERI(SRAC)	4.8152E-03	5.1494E-03	2.9999E-05	9.9944E-03	4.1519E-03	6.9526E-03	1.3397E-04	1.1238E-02
JAERI(VIM)	4.8620E-03	5.1279E-03	4.6052E-05	1.0036E-02	4.1694E-03	7.0229E-03	1.6108E-04	1.1353E-02
KFK(NEWEST)	4.7365E-03	4.3963E-03	2.8825E-05	9.1618E-03	4.0234E-03	5.8940E-03	1.1089E-04	1.0028E-02
KFK(1985LIB.)	4.7171E-03	4.3649E-03	2.4496E-05	9.1067E-03	4.0230E-03	5.9092E-03	9.6472E-05	1.0029E-02
MAPI-CRC	4.9320E-03	5.2640E-03	3.5950E-05	1.0230E-02	4.2050E-03	6.7000E-03	1.3660E-04	1.1040E-02
NAIG	4.8925E-03	5.0099E-03	3.9000E-05	9.9410E-03	4.1414E-03	6.9998E-03	1.5760E-04	1.1299E-02
PNC	5.4290E-03	4.9790E-03	3.6330E-05	1.0440E-02	4.6060E-03	6.7240E-03	1.6410E-04	1.1490E-02
PSI(BOXER)	5.0096E-03	4.8548E-03	3.3613E-05	9.8980E-03	4.2660E-03	6.7337E-03	1.3448E-04	1.1134E-02
PSI(DANDE)	4.8339E-03	5.1477E-03	4.2824E-05	1.0024E-02	4.0896E-03	7.1050E-03	1.7381E-04	1.1368E-02
STUDSVIK	0.0	0.0	0.0	1.0110E-02	0.0	0.0	0.0	1.1360E-02
TUBS(DATUBS4)	4.8680E-03	4.9000E-03	3.3190E-05	9.8010E-03	4.1620E-03	6.6770E-03	1.3390E-04	1.0970E-02
TUBS(DATUBS5)	4.7190E-03	4.8620E-03	3.1470E-05	9.6120E-03	4.0400E-03	6.5830E-03	1.2720E-04	1.0750E-02
VA.TECH	4.9538E-03	4.7961E-03	3.4505E-05	9.7844E-03	4.1960E-03	6.6594E-03	1.4514E-04	1.1001E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U238 (BURNUP=0GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.4100E-02	0.0	1.4000E-13	6.4100E-02	6.6500E-02	0.0	3.6000E-13	6.6500E-02
CEA	0.0	0.0	0.0	6.2887E-02	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	6.1350E-02	1.4870E-05	3.0790E-11	6.1360E-02	6.3290E-02	1.6610E-05	9.3030E-11	6.3310E-02
HITACHI(J2)	6.3800E-02	2.9020E-05	2.6760E-10	6.3830E-02	6.4940E-02	3.1730E-05	9.3290E-10	6.4970E-02
IKE	6.6043E-02	2.7997E-05	2.3988E-10	6.6073E-02	6.9382E-02	3.2118E-05	8.7684E-10	6.9415E-02
JAERI(SRAC)	6.7970E-02	3.2557E-05	0.0	6.7940E-02	6.9118E-02	3.6572E-05	0.0	6.9154E-02
JAERI(VIM)	6.6682E-02	3.3243E-05	2.5736E-10	6.6715E-02	6.7040E-02	3.5084E-05	9.0547E-10	6.7075E-02
KFK(NEWEST)	6.5454E-02	0.0	0.0	6.5455E-02	6.7269E-02	0.0	0.0	6.7270E-02
KFK(1985LIB.)	6.3784E-02	0.0	0.0	6.3786E-02	6.5863E-02	0.0	0.0	6.5864E-02
MAPI-CRC	6.8450E-02	3.0140E-05	2.2490E-10	6.8480E-02	7.0950E-02	3.4680E-05	7.8760E-10	7.0990E-02
NAIG	6.8193E-02	2.7900E-05	0.0	6.8221E-02	6.7882E-02	3.3300E-05	0.0	6.7915E-02
PNC	6.4790E-02	0.0	0.0	6.4790E-02	6.6570E-02	0.0	0.0	6.6570E-02
PSI(BOXER)	6.6777E-02	2.6984E-05	4.9049E-10	6.6804E-02	6.8997E-02	3.0184E-05	6.6929E-10	6.9027E-02
PSI(DANDE)	6.2982E-02	2.9258E-05	2.6725E-10	6.3011E-02	6.5945E-02	3.3668E-05	1.0108E-09	6.5979E-02
STUDSVIK	0.0	0.0	0.0	7.0300E-02	0.0	0.0	0.0	7.2430E-02
TUBS(DATUBS4)	6.5840E-02	5.3820E-06	0.0	6.5850E-02	6.9830E-02	5.9960E-06	0.0	6.9840E-02
TUBS(DATUBS5)	6.7200E-02	3.2700E-05	1.8370E-10	6.7230E-02	7.1120E-02	3.5700E-05	6.8100E-10	7.1150E-02
VA.TECH	6.4568E-02	1.7392E-05	2.1699E-11	6.4585E-02	6.6276E-02	2.1251E-05	7.8235E-11	6.6298E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU239 (BURNUP=0GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.3500E-01	8.7100E-02	1.1300E-03	2.2400E-01	1.0100E-01	1.0400E-01	4.6300E-03	2.1000E-01
CEA	0.0	0.0	0.0	2.3215E-01	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.3510E-01	9.2130E-02	1.5030E-03	2.2870E-01	1.0040E-01	1.0820E-01	5.2390E-03	2.1380E-01
HITACHI(J2)	1.3470E-01	9.4410E-02	1.5060E-03	2.3060E-01	9.9350E-02	1.1130E-01	5.3540E-03	2.1600E-01
IKE	1.3232E-01	9.0893E-02	1.2717E-03	2.2449E-01	9.8991E-02	1.0853E-01	4.9946E-03	2.1251E-01
JAERI(SRAC)	1.3247E-01	8.9808E-02	8.1073E-04	2.2309E-01	9.9902E-02	1.0779E-01	3.8818E-03	2.1157E-01
JAERI(VIM)	1.3371E-01	8.9901E-02	1.3001E-03	2.2491E-01	1.0025E-01	1.0990E-01	5.0062E-03	2.1516E-01
KFK(NEWEST)	1.3066E-01	8.1220E-02	9.8828E-04	2.1287E-01	9.7020E-02	9.7570E-02	3.8025E-03	1.9840E-01
KFK(1985LIB.)	1.3000E-01	8.0624E-02	8.7118E-04	2.1150E-01	9.6915E-02	9.7827E-02	3.4182E-03	1.9816E-01
MAPI-CRC	1.3690E-01	9.1060E-02	1.1590E-03	2.2920E-01	1.0200E-01	1.0720E-01	4.3300E-03	2.1350E-01
NAIG	1.3620E-01	8.8847E-02	1.1966E-03	2.2625E-01	1.0098E-01	1.0867E-01	4.9676E-03	2.1461E-01
PNC	1.4230E-01	8.7420E-02	1.1790E-03	2.3090E-01	1.0530E-01	1.0810E-01	5.1920E-03	2.1860E-01
PSI(BOXER)	1.3974E-01	8.8551E-02	1.1131E-03	2.2940E-01	1.0392E-01	1.0745E-01	4.4572E-03	2.1583E-01
PSI(DANDE)	1.3613E-01	9.4970E-02	1.3934E-03	2.3250E-01	1.0059E-01	1.1477E-01	5.6662E-03	2.2102E-01
STUDSVIK	0.0	0.0	0.0	2.2682E-01	0.0	0.0	0.0	2.1476E-01
TUBS(DATUBS4)	1.3290E-01	9.1010E-02	1.0320E-03	2.2490E-01	9.9830E-02	1.1050E-01	4.0150E-03	2.1430E-01
TUBS(DATUBS5)	1.3120E-01	9.0910E-02	1.0200E-03	2.2310E-01	9.8690E-02	1.1000E-01	3.9660E-03	2.1270E-01
VA.TECH	1.3572E-01	8.3909E-02	9.9764E-04	2.2062E-01	1.0089E-01	1.0481E-01	4.4347E-03	2.1014E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU240 (BURNUP=0GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.6700E-02	1.2100E-03	3.4900E-07	1.7900E-02	1.3800E-02	1.1600E-03	1.4500E-06	1.4900E-02
CEA	0.0	0.0	0.0	1.6642E-02	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.6470E-02	1.2240E-03	5.0260E-07	1.7690E-02	1.3530E-02	1.1730E-03	1.7070E-06	1.4700E-02
HITACHI(J2)	1.6200E-02	1.4120E-03	5.2750E-07	1.7610E-02	1.3220E-02	1.3570E-03	1.8730E-06	1.4580E-02
IKE	1.6330E-02	1.4107E-03	4.5851E-07	1.7742E-02	1.3494E-02	1.3333E-03	1.6986E-06	1.4829E-02
JAERI(SRAC)	1.6518E-02	1.4105E-03	3.2855E-07	1.7929E-02	1.3621E-02	1.3475E-03	1.4457E-06	1.4970E-02
JAERI(VIM)	1.6411E-02	1.4418E-03	4.3954E-07	1.7854E-02	1.3411E-02	1.3597E-03	1.7015E-06	1.4772E-02
KFK(NEWEST)	1.6850E-02	7.7932E-04	3.6404E-07	1.7630E-02	1.3684E-02	7.4827E-04	1.3123E-06	1.4434E-02
KFK(1985LIB.)	1.6664E-02	7.7388E-04	3.2762E-07	1.7438E-02	1.3589E-02	7.5002E-04	1.1967E-06	1.4340E-02
MAPI-CRC	1.7310E-02	1.3240E-03	4.5750E-07	1.8630E-02	1.4210E-02	1.2740E-03	1.5710E-06	1.5490E-02
NAIG	1.7570E-02	7.6050E-04	4.0000E-07	1.8331E-02	1.4304E-02	6.8780E-04	1.7000E-06	1.4993E-02
PNC	1.8570E-02	1.2620E-03	4.5890E-07	1.9830E-02	1.4900E-02	1.2450E-03	1.8950E-06	1.6140E-02
PSI(BOXER)	1.8164E-02	1.1462E-03	4.2427E-07	1.9311E-02	1.4834E-02	1.1204E-03	1.5826E-06	1.5956E-02
PSI(DANDE)	1.6672E-02	1.3185E-03	5.3477E-07	1.7991E-02	1.3525E-02	1.2949E-03	2.0244E-06	1.4822E-02
STUDSVIK	0.0	0.0	0.0	1.7320E-02	0.0	0.0	0.0	1.4430E-02
TUBS(DATUBS4)	1.6090E-02	1.1240E-03	4.4920E-07	1.7220E-02	1.3560E-02	1.1230E-03	1.5650E-06	1.4680E-02
TUBS(DATUBS5)	1.5740E-02	1.3260E-03	4.5370E-07	1.7060E-02	1.3270E-02	1.3360E-03	1.5890E-06	1.4600E-02
VA.TECH	1.6734E-02	1.1778E-03	3.5763E-07	1.7912E-02	1.3880E-02	1.1632E-03	1.4772E-06	1.5044E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU241 (BURNUP=0GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.9100E-02	3.1100E-02	2.7700E-04	6.0500E-02	2.1300E-02	3.9100E-02	9.8700E-04	6.1300E-02
CEA	0.0	0.0	0.0	6.0806E-02	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	2.9110E-02	3.3790E-02	3.5130E-04	6.3250E-02	2.1250E-02	4.1040E-02	1.0900E-03	6.3380E-02
HITACHI(J2)	2.9500E-02	3.2660E-02	3.4630E-04	6.2510E-02	2.1350E-02	3.9700E-02	1.1110E-03	6.2160E-02
IKE	2.8947E-02	3.0105E-02	3.0435E-04	5.9357E-02	2.1259E-02	3.7506E-02	1.0463E-03	5.9812E-02
JAERI(SRAC)	2.8920E-02	3.0456E-02	2.1936E-04	5.9596E-02	2.1444E-02	3.7913E-02	8.6444E-04	6.0221E-02
JAERI(VIM)	2.9128E-02	3.0009E-02	3.3985E-04	5.9477E-02	2.1477E-02	3.7875E-02	1.1020E-03	6.0455E-02
KFK(NEWEST)	2.8015E-02	2.6493E-02	2.2970E-04	5.4738E-02	2.0454E-02	3.2985E-02	7.7783E-04	5.4217E-02
KFK(1985LIB.)	2.7901E-02	2.6298E-02	1.9642E-04	5.4396E-02	2.0453E-02	3.3072E-02	6.8133E-04	5.4207E-02
MAPI-CRC	2.9530E-02	3.1460E-02	2.8210E-04	6.1270E-02	2.1640E-02	3.7050E-02	9.3640E-04	5.9620E-02
NAIG	2.9727E-02	2.9618E-02	2.9570E-04	5.9641E-02	2.1629E-02	3.8446E-02	1.0602E-03	6.1135E-02
PNC	3.0220E-02	3.0450E-02	2.9050E-04	6.0960E-02	2.2070E-02	3.9570E-02	1.1430E-03	6.2780E-02
PSI(BOXER)	2.9535E-02	3.0617E-02	2.7057E-04	6.0423E-02	2.1641E-02	3.8909E-02	9.3941E-04	6.1489E-02
PSI(DANDE)	2.9629E-02	3.2452E-02	3.4600E-04	6.2427E-02	2.1531E-02	4.1637E-02	1.2183E-03	6.4386E-02
STUDSVIK	0.0	0.0	0.0	6.2110E-02	0.0	0.0	0.0	6.4290E-02
TUBS(DATUBS4)	2.8980E-02	3.0950E-02	4.5860E-04	6.0390E-02	2.1320E-02	3.8430E-02	1.4760E-03	6.1230E-02
TUBS(DATUBS5)	2.8960E-02	2.9570E-02	4.4760E-04	5.8980E-02	2.1300E-02	3.6550E-02	1.4510E-03	5.9300E-02
VA.TECH	2.9168E-02	2.9847E-02	2.5361E-04	5.9268E-02	2.1266E-02	3.8140E-02	9.7857E-04	6.0385E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU242 (BURNUP=0GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.1500E-03	0.0	0.0	4.1500E-03	3.4800E-03	0.0	0.0	3.4800E-03
CEA	0.0	0.0	0.0	3.8642E-03	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.0790E-03	0.0	0.0	4.0790E-03	3.4070E-03	0.0	0.0	3.4070E-03
HITACHI(J2)	3.6220E-03	5.1740E-05	9.4310E-07	3.6740E-03	3.0130E-03	5.1390E-05	2.6990E-06	3.0670E-03
IKE	3.6659E-03	4.9829E-05	7.7002E-07	3.7166E-03	3.0843E-03	4.9675E-05	2.2175E-06	3.1362E-03
JAERI(SRAC)	3.7301E-03	5.2035E-05	6.9186E-07	3.7828E-03	3.1263E-03	5.2055E-05	2.2581E-06	3.1806E-03
JAERI(VIM)	3.6804E-03	5.0412E-05	9.5113E-07	3.7318E-03	3.0556E-03	5.0897E-05	2.3533E-06	3.1089E-03
KFK(NEWEST)	3.8226E-03	1.7772E-05	3.0562E-10	3.8404E-03	3.1734E-03	1.8402E-05	9.4044E-10	3.1919E-03
KFK(1985LIB.)	3.7745E-03	1.7659E-05	2.4632E-10	3.7922E-03	3.1470E-03	1.8448E-05	7.8150E-10	3.1656E-03
MAPI-CRC	3.8810E-03	4.7030E-05	6.8460E-07	3.9290E-03	3.2470E-03	4.7310E-05	2.1200E-06	3.2970E-03
NAIG	4.0149E-03	4.6900E-05	8.0000E-07	4.0630E-03	3.3244E-03	4.9600E-05	2.5000E-06	3.3770E-03
PNC	4.1790E-03	4.6100E-05	2.8000E-06	4.2280E-03	3.4060E-03	4.7450E-05	9.4880E-06	3.4630E-03
PSI(BOXER)	4.5243E-03	0.0	0.0	4.5243E-03	3.7563E-03	0.0	0.0	3.7563E-03
PSI(DANDE)	3.7128E-03	4.6474E-05	9.8143E-07	3.7602E-03	3.0730E-03	4.7804E-05	2.9109E-06	3.1237E-03
STUDSVIK	0.0	0.0	0.0	4.2000E-03	0.0	0.0	0.0	3.5200E-03
TUBS(DATUBS4)	3.7660E-03	4.4450E-05	3.9940E-10	3.8100E-03	3.2280E-03	4.4670E-05	1.2990E-09	3.2720E-03
TUBS(DATUBS5)	3.6160E-03	4.9040E-05	7.0770E-07	3.6660E-03	3.1030E-03	5.0350E-05	2.0310E-06	3.1550E-03
VA.TECH	4.1552E-03	0.0	0.0	4.1552E-03	3.5060E-03	0.0	0.0	3.5060E-03
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U235 (BURNUP=0GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2300E-02	1.1800E-02	9.1600E-05	2.4100E-02	1.0400E-02	1.6100E-02	3.7000E-04	2.6900E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.2168E-02	1.1923E-02	1.2313E-04	2.4214E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.2240E-02	1.2840E-02	1.1650E-04	2.5200E-02	1.0310E-02	1.7290E-02	4.1680E-04	2.8010E-02
HITACHI(J2)	1.2200E-02	1.3180E-02	1.1300E-04	2.5500E-02	1.0310E-02	1.7290E-02	4.1680E-04	2.8010E-02
IKE	1.1732E-02	1.1995E-02	1.0096E-04	2.3828E-02	1.0063E-02	1.6359E-02	3.9088E-04	2.6813E-02
JAERI(SRAC)	1.1963E-02	1.2508E-02	7.2855E-05	2.4544E-02	1.0348E-02	1.6888E-02	3.2536E-04	2.7561E-02
JAERI(VIM)	1.2071E-02	1.2455E-02	1.1184E-04	2.4638E-02	1.0384E-02	1.7057E-02	3.9120E-04	2.7832E-02
KFK(NEWEST)	1.1774E-02	1.0653E-02	6.9846E-05	2.2497E-02	1.0034E-02	1.4282E-02	2.6871E-04	2.4585E-02
KFK(1985LIB.)	1.1722E-02	1.0577E-02	5.9359E-05	2.2359E-02	1.0028E-02	1.4319E-02	2.3377E-04	2.4581E-02
MAPI-CRC	1.2260E-02	1.2790E-02	8.7320E-05	2.5130E-02	1.0480E-02	1.6270E-02	3.3170E-04	2.7090E-02
NAIG	1.2167E-02	1.2208E-02	9.5000E-05	2.4470E-02	1.0327E-02	1.7056E-02	3.8400E-04	2.7768E-02
PNC	1.3500E-02	1.2130E-02	8.8380E-05	2.5720E-02	1.1480E-02	1.6380E-02	3.9910E-04	2.8260E-02
PSI(BOXER)	1.2435E-02	1.1744E-02	8.1304E-05	2.4260E-02	1.0627E-02	1.6288E-02	3.2527E-04	2.7240E-02
PSI(DANDE)	1.2003E-02	1.2453E-02	1.0435E-04	2.4651E-02	1.0188E-02	1.7313E-02	4.2352E-04	2.7924E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.2110E-02	1.1940E-02	8.0870E-05	2.4130E-02	1.0390E-02	1.6270E-02	3.2620E-04	2.6990E-02
TUBS(DATUBS5)	1.1730E-02	1.1850E-02	7.6680E-05	2.3650E-02	1.0080E-02	1.6040E-02	3.0990E-04	2.6430E-02
VA.TECH	1.2279E-02	1.1602E-02	8.3461E-05	2.3964E-02	1.0437E-02	1.6109E-02	3.5107E-04	2.6897E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U238 (BURNUP=0GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.7800E-01	0.0	3.3000E-13	1.7800E-01	1.8600E-01	0.0	8.4000E-13	1.8600E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.8041E-01	2.3155E-07	0.0	1.8041E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.6960E-01	3.4500E-05	7.1410E-11	1.6960E-01	1.8060E-01	7.3600E-05	2.1430E-09	1.8060E-01
HITACHI(J2)	1.7670E-01	6.7320E-05	6.2060E-10	1.7680E-01	1.8060E-01	7.3600E-05	2.1430E-09	1.8060E-01
IKE	1.8329E-01	6.4942E-05	5.5640E-10	1.8336E-01	1.9330E-01	7.4502E-05	2.0338E-09	1.9337E-01
JAERI(SRAC)	1.8880E-01	7.5514E-05	0.0	1.8887E-01	1.9286E-01	8.4826E-05	0.0	1.9294E-01
JAERI(VIM)	1.8517E-01	7.7117E-05	5.9694E-10	1.8524E-01	1.8718E-01	8.1385E-05	2.1002E-09	1.8727E-01
KFK(NEWEST)	1.8182E-01	0.0	0.0	1.8183E-01	1.8725E-01	0.0	0.0	1.8726E-01
KFK(1985LIB.)	1.7691E-01	0.0	0.0	1.7692E-01	1.8306E-01	0.0	0.0	1.8306E-01
MAPI-CRC	1.9070E-01	6.9940E-05	5.2170E-10	1.9070E-01	1.9840E-01	8.0470E-05	1.8270E-09	1.9850E-01
NAIG	1.9012E-01	8.5000E-06	0.0	1.9013E-01	1.8934E-01	8.0000E-06	0.0	1.8935E-01
PNC	1.7940E-01	0.0	0.0	1.7940E-01	1.8490E-01	0.0	0.0	1.8490E-01
PSI(BOXER)	1.8522E-01	6.2594E-05	4.4184E-10	1.8528E-01	1.9200E-01	7.0016E-05	1.5524E-09	1.9207E-01
PSI(DANDE)	1.7474E-01	6.7872E-05	6.1933E-10	1.7481E-01	1.8367E-01	7.8102E-05	2.3424E-09	1.8375E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.8420E-01	1.2490E-05	0.0	1.8420E-01	1.9600E-01	1.3910E-05	0.0	1.9610E-01
TUBS(DATUBS5)	1.8710E-01	7.5860E-05	4.2620E-10	1.8710E-01	1.9870E-01	8.2810E-05	1.5800E-09	1.9870E-01
VA.TECH	1.7908E-01	4.0343E-05	5.0330E-11	1.7912E-01	1.8402E-01	4.9296E-05	1.8147E-10	1.8407E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU239 (BURNUP=0GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.0100E-01	2.5000E-01	3.2500E-03	6.5400E-01	2.9900E-01	3.0000E-01	1.3300E-02	6.1300E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.9814E-01	2.5785E-01	3.6493E-03	6.5967E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	3.9960E-01	2.6470E-01	4.3190E-03	6.6860E-01	2.9590E-01	3.2050E-01	1.5420E-02	6.3180E-01
HITACHI(J2)	3.9930E-01	2.7200E-01	4.3380E-03	6.7560E-01	2.9590E-01	3.2050E-01	1.5420E-02	6.3180E-01
IKE	3.9071E-01	2.5832E-01	3.6452E-03	6.5269E-01	2.9358E-01	3.0803E-01	1.4321E-02	6.1594E-01
JAERI(SRAC)	3.9368E-01	2.5862E-01	2.3354E-03	6.5464E-01	2.9809E-01	3.1040E-01	1.1182E-02	6.1967E-01
JAERI(VIM)	3.9699E-01	2.5899E-01	3.7450E-03	6.5972E-01	2.9883E-01	3.1659E-01	1.4421E-02	6.2983E-01
KFK(NEWEST)	3.8890E-01	2.3431E-01	2.8518E-03	6.2608E-01	2.9001E-01	2.8147E-01	1.0971E-02	5.8245E-01
KFK(1985LIB.)	3.8676E-01	2.3259E-01	2.5137E-03	6.2187E-01	2.8953E-01	2.8221E-01	9.8617E-03	5.8161E-01
MAPI-CRC	4.0690E-01	2.6230E-01	3.3400E-03	6.7250E-01	3.0460E-01	3.0870E-01	1.2470E-02	6.2570E-01
NAIG	4.0503E-01	2.5587E-01	3.4523E-03	6.6435E-01	3.0141E-01	3.1295E-01	1.4337E-02	6.2870E-01
PNC	4.2220E-01	2.5180E-01	3.3970E-03	6.7740E-01	3.1360E-01	3.1140E-01	1.4960E-02	6.4000E-01
PSI(BOXER)	4.1437E-01	2.5445E-01	3.1982E-03	6.7202E-01	3.0943E-01	3.0875E-01	1.2807E-02	6.3099E-01
PSI(DANDE)	4.0161E-01	2.6981E-01	3.9940E-03	6.7542E-01	2.9799E-01	3.2569E-01	1.6247E-02	6.3993E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.9410E-01	2.6150E-01	2.9650E-03	6.5860E-01	2.9760E-01	3.1750E-01	1.1540E-02	6.2670E-01
TUBS(DATUBS5)	3.8740E-01	2.5830E-01	2.9240E-03	6.4870E-01	2.9280E-01	3.1220E-01	1.1370E-02	6.1640E-01
VA.TECH	4.0193E-01	2.4111E-01	2.8665E-03	6.4591E-01	3.0001E-01	3.0117E-01	1.2742E-02	6.1392E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU240 (BURNUP=0GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.1700E-02	3.4800E-03	1.0000E-06	5.5200E-02	4.2900E-02	3.3300E-03	4.1700E-06	4.6200E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	5.1637E-02	3.0053E-03	1.3182E-06	5.4645E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	5.0860E-02	3.5130E-03	1.4420E-06	5.4380E-02	4.0070E-02	3.7780E-03	5.1120E-06	4.3850E-02
HITACHI(J2)	4.8860E-02	3.9300E-03	1.4690E-06	5.2790E-02	4.0070E-02	3.7780E-03	5.1120E-06	4.3850E-02
IKE	4.9351E-02	3.9274E-03	1.2764E-06	5.3281E-02	4.1020E-02	3.7119E-03	4.7287E-06	4.4737E-02
JAERI(SRAC)	4.9987E-02	3.9270E-03	9.1462E-07	5.3914E-02	4.1402E-02	3.7514E-03	4.0247E-06	4.5157E-02
JAERI(VIM)	4.9610E-02	4.0140E-03	1.2236E-06	5.3626E-02	4.0732E-02	3.7854E-03	4.7366E-06	4.4522E-02
KFK(NEWEST)	5.2696E-02	2.2449E-03	1.0482E-06	5.4943E-02	4.3013E-02	2.1554E-03	3.7781E-06	4.5173E-02
KFK(1985LIB.)	5.2059E-02	2.2292E-03	9.4325E-07	5.4290E-02	4.2666E-02	2.1604E-03	3.4453E-06	4.4831E-02
MAPI-CRC	5.2290E-02	3.6860E-03	1.2740E-06	5.5980E-02	4.3180E-02	3.5470E-03	4.3730E-06	4.6730E-02
NAIG	5.3505E-02	2.1320E-03	1.2000E-06	5.5638E-02	4.3692E-02	1.9281E-03	4.7000E-06	4.5625E-02
PNC	5.5710E-02	3.5130E-03	1.2780E-06	5.9220E-02	4.4930E-02	3.4660E-03	5.2740E-06	4.8400E-02
PSI(BOXER)	5.6162E-02	3.2897E-03	1.2175E-06	5.9453E-02	4.6081E-02	3.2157E-03	4.5416E-06	4.9301E-02
PSI(DANDE)	5.0219E-02	3.6708E-03	1.4887E-06	5.3892E-02	4.0998E-02	3.6051E-03	5.6354E-06	4.4608E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	5.0120E-02	3.2270E-03	1.2890E-06	5.3350E-02	4.2450E-02	3.2220E-03	4.4910E-06	4.5670E-02
TUBS(DATUBS5)	4.7750E-02	3.6910E-03	1.2630E-06	5.1450E-02	4.0480E-02	3.7180E-03	4.4240E-06	4.4200E-02
VA.TECH	5.1785E-02	3.3804E-03	1.0263E-06	5.5167E-02	4.3116E-02	3.3385E-03	4.2393E-06	4.6459E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU241 (BURNUP=0GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	8.7400E-02	9.1100E-02	8.1300E-04	1.7900E-01	6.4000E-02	1.1500E-01	2.8900E-03	1.8200E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	8.6927E-02	9.4760E-02	9.9964E-04	1.8263E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	8.7300E-02	9.9090E-02	1.0300E-03	1.8740E-01	6.4140E-02	1.1640E-01	3.2580E-03	1.8380E-01
HITACHI(J2)	8.8350E-02	9.5790E-02	1.0150E-03	1.8520E-01	6.4140E-02	1.1640E-01	3.2580E-03	1.8380E-01
IKE	8.6780E-02	8.8284E-02	8.9244E-04	1.7596E-01	6.3947E-02	1.0998E-01	3.0681E-03	1.7700E-01
JAERI(SRAC)	8.6735E-02	8.9313E-02	6.4323E-04	1.7669E-01	6.4501E-02	1.1118E-01	2.5348E-03	1.7821E-01
JAERI(VIM)	8.7328E-02	8.8002E-02	9.9654E-04	1.7633E-01	6.4574E-02	1.1107E-01	3.2314E-03	1.7887E-01
KFK(NEWEST)	8.3901E-02	7.7507E-02	6.7141E-04	1.6208E-01	6.1455E-02	9.6493E-02	2.2736E-03	1.6022E-01
KFK(1985LIB.)	8.3532E-02	7.6936E-02	5.7416E-04	1.6105E-01	6.1427E-02	9.6749E-02	1.9915E-03	1.6017E-01
MAPI-CRC	8.8600E-02	9.2250E-02	8.2720E-04	1.8170E-01	6.5140E-02	1.0860E-01	2.7460E-03	1.7650E-01
NAIG	8.9221E-02	8.6856E-02	8.6700E-04	1.7694E-01	6.5100E-02	1.1274E-01	3.1088E-03	1.8095E-01
PNC	9.0630E-02	8.9310E-02	8.5180E-04	1.8080E-01	6.6360E-02	1.1600E-01	3.3510E-03	1.8580E-01
PSI(BOXER)	8.8745E-02	8.9784E-02	7.9337E-04	1.7932E-01	6.5242E-02	1.1410E-01	2.7546E-03	1.8210E-01
PSI(DANDE)	8.8771E-02	9.5165E-02	1.0146E-03	1.8495E-01	6.4714E-02	1.2210E-01	3.5725E-03	1.9038E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	8.7040E-02	9.0770E-02	1.3450E-03	1.7920E-01	6.4300E-02	1.1270E-01	4.3290E-03	1.8130E-01
TUBS(DATUBS5)	8.6820E-02	8.6710E-02	1.3130E-03	1.7480E-01	6.4080E-02	1.0720E-01	4.2540E-03	1.7550E-01
VA.TECH	8.7528E-02	8.7526E-02	7.4365E-04	1.7580E-01	6.4030E-02	1.1184E-01	2.8695E-03	1.7874E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU242 (BURNUP=0GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2700E-02	0.0	0.0	1.2700E-02	1.0700E-02	0.0	0.0	1.0700E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.2725E-02	0.0	0.0	1.2725E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.2450E-02	0.0	0.0	1.2450E-02	1.0450E-02	0.0	0.0	1.0450E-02
HITACHI(J2)	1.1070E-02	1.4530E-04	2.6480E-06	1.1220E-02	9.2430E-03	1.4430E-04	7.5790E-06	9.3950E-03
IKE	1.1222E-02	1.3993E-04	2.1622E-06	1.1364E-02	9.4876E-03	1.3950E-04	6.2268E-06	9.6334E-03
JAERI(SRAC)	1.1431E-02	1.4613E-04	1.9427E-06	1.1579E-02	9.6143E-03	1.4618E-04	6.3407E-06	9.7667E-03
JAERI(VIM)	1.1270E-02	1.4157E-04	2.6708E-06	1.1415E-02	9.3939E-03	1.4293E-04	6.6080E-06	9.5434E-03
KFK(NEWEST)	1.2084E-02	5.1212E-05	8.8073E-10	1.2136E-02	1.0073E-02	5.3028E-05	2.7102E-09	1.0126E-02
KFK(1985LIB.)	1.1920E-02	5.0887E-05	7.0988E-10	1.1971E-02	9.9785E-03	5.3159E-05	2.2523E-09	1.0032E-02
MAPI-CRC	1.1880E-02	1.3210E-04	1.9220E-06	1.2010E-02	9.9840E-03	1.3290E-04	5.9510E-06	1.0120E-02
NAIG	1.2287E-02	1.3160E-04	2.3000E-06	1.2421E-02	1.0195E-02	1.3940E-04	7.0000E-06	1.0341E-02
PNC	1.2690E-02	1.2950E-04	7.8620E-06	1.2830E-02	1.0390E-02	1.3330E-04	2.6640E-05	1.0550E-02
PSI(BOXER)	1.3821E-02	0.0	0.0	1.3821E-02	1.1530E-02	0.0	0.0	1.1530E-02
PSI(DANDE)	1.1330E-02	1.3061E-04	2.7559E-06	1.1464E-02	9.4284E-03	1.3424E-04	8.1738E-06	9.5708E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.1680E-02	1.2490E-04	1.1220E-09	1.1810E-02	1.0060E-02	1.2550E-04	3.6510E-09	1.0190E-02
TUBS(DATUBS5)	1.1110E-02	1.3770E-04	1.9870E-06	1.1250E-02	9.5710E-03	1.4140E-04	5.7040E-06	9.7180E-03
VA.TECH	1.2710E-02	0.0	0.0	1.2710E-02	1.0764E-02	0.0	0.0	1.0764E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U235 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.0600E-03	4.4800E-03	2.6300E-05	8.5700E-03	3.5100E-03	6.4300E-03	1.0900E-04	1.0100E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	4.0210E-03	4.6200E-03	3.7350E-05	8.6780E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	4.1100E-03	4.9560E-03	3.2200E-05	9.0980E-03	3.5480E-03	6.9150E-03	1.3540E-04	1.0600E-02
HITACHI(J2)	4.0440E-03	5.1990E-03	3.5210E-05	9.2780E-03	3.5030E-03	7.2190E-03	1.3370E-04	1.0860E-02
IKE	3.9833E-03	4.7206E-03	3.1085E-05	8.7351E-03	3.4658E-03	6.8019E-03	1.2491E-04	1.0393E-02
JAERI(SRAC)	3.9771E-03	4.8391E-03	2.2090E-05	8.8382E-03	3.5019E-03	6.9405E-03	1.0196E-04	1.0544E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.9801E-03	4.1860E-03	2.1501E-05	8.1878E-03	3.4132E-03	5.9124E-03	8.5762E-05	9.4115E-03
KFK(1985LIB.)	3.9579E-03	4.1283E-03	1.8035E-05	8.1044E-03	3.4084E-03	5.8799E-03	7.3339E-05	9.3617E-03
MAPI-CRC	4.1230E-03	4.9380E-03	2.6720E-05	9.0880E-03	3.5870E-03	6.7070E-03	1.0670E-04	1.0400E-02
NAIG	4.0734E-03	4.5118E-03	2.9200E-05	8.6140E-03	3.5064E-03	6.6658E-03	1.2140E-04	1.0294E-02
PNC	4.5660E-03	4.4140E-03	2.7460E-05	9.0080E-03	3.9380E-03	6.3690E-03	1.2430E-04	1.0430E-02
PSI(BOXER)	4.1645E-03	4.4991E-03	2.4548E-05	8.6881E-03	3.6033E-03	6.5071E-03	1.0056E-04	1.0211E-02
PSI(DANDE)	4.0561E-03	4.9194E-03	2.9203E-05	9.0048E-03	3.5017E-03	7.1011E-03	1.2094E-04	1.0724E-02
STUDSVIK	0.0	0.0	0.0	8.9600E-03	0.0	0.0	0.0	1.0560E-02
TUBS(DATUBS4)	4.0700E-03	4.6140E-03	2.3390E-05	8.7080E-03	3.5130E-03	6.5580E-03	9.6800E-05	1.0170E-02
TUBS(DATUBS5)	3.9810E-03	4.6120E-03	2.1930E-05	8.6140E-03	3.4470E-03	6.5260E-03	9.0720E-05	1.0060E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U238 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.7500E-01	2.0100E-01	1.8500E-04	4.7700E-01	2.4100E-01	2.3400E-01	7.1500E-04	4.7600E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.8220E-01	1.8750E-01	3.1050E-05	4.6970E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	2.7740E-01	1.8460E-01	2.3200E-04	4.6220E-01	2.4320E-01	2.2300E-01	8.9010E-04	4.6710E-01
HITACHI(J2)	2.7170E-01	1.8270E-01	2.3820E-04	4.5460E-01	2.3850E-01	2.2130E-01	8.3690E-04	4.6070E-01
IKE	2.7350E-01	1.9835E-01	2.1177E-04	4.7205E-01	2.4433E-01	2.3214E-01	7.8286E-04	4.7725E-01
JAERI(SRAC)	2.7192E-01	1.9863E-01	1.6653E-04	4.7071E-01	2.4229E-01	2.3158E-01	6.9806E-04	4.7456E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.8068E-01	1.9179E-01	1.6895E-04	4.7265E-01	2.4795E-01	2.2536E-01	6.1700E-04	4.7394E-01
KFK(1985LIB.)	2.7941E-01	1.8992E-01	1.3568E-04	4.6949E-01	2.4789E-01	2.2482E-01	5.0814E-04	4.7322E-01
MAPI-CRC	2.7310E-01	1.8330E-01	1.9560E-04	4.5660E-01	2.4210E-01	2.2480E-01	7.0420E-04	4.6760E-01
NAIG	2.9872E-01	1.8076E-01	2.0720E-04	4.7969E-01	2.5854E-01	2.1274E-01	7.9410E-04	4.7207E-01
PNC	3.1470E-01	1.6180E-01	2.0230E-04	4.7670E-01	2.7570E-01	1.8950E-01	8.3080E-04	4.6600E-01
PSI(BOXER)	2.7644E-01	1.9175E-01	1.6879E-04	4.6836E-01	2.4457E-01	2.2438E-01	6.3154E-04	4.6958E-01
PSI(DANDE)	2.7007E-01	1.9459E-01	2.1438E-04	4.6488E-01	2.3742E-01	2.3065E-01	8.0148E-04	4.6888E-01
STUDSVIK	0.0	0.0	0.0	4.8429E-01	0.0	0.0	0.0	4.8684E-01
TUBS(DATUBS4)	2.8130E-01	1.9280E-01	1.8970E-04	4.7440E-01	2.4940E-01	2.2790E-01	6.9140E-04	4.7800E-01
TUBS(DATUBS5)	2.7510E-01	1.9420E-01	1.7710E-04	4.6950E-01	2.4430E-01	2.3170E-01	6.4630E-04	4.7670E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU239 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.4600E-01	1.4300E-01	1.1800E-03	2.9000E-01	9.6600E-02	1.5500E-01	4.6900E-03	2.5600E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.4340E-01	1.4250E-01	1.4070E-03	2.8730E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.4330E-01	1.4760E-01	1.4540E-03	2.9230E-01	9.4350E-02	1.5880E-01	5.5580E-03	2.5870E-01
HITACHI(J2)	1.4170E-01	1.5140E-01	1.5380E-03	2.9460E-01	9.3430E-02	1.6200E-01	5.4270E-03	2.6080E-01
IKE	1.4324E-01	1.4558E-01	1.3383E-03	2.9016E-01	9.5349E-02	1.5688E-01	5.2171E-03	2.5745E-01
JAERI(SRAC)	1.4223E-01	1.4554E-01	7.9333E-04	2.8857E-01	9.5301E-02	1.5935E-01	3.8770E-03	2.5852E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.3854E-01	1.3129E-01	1.0673E-03	2.7090E-01	9.0553E-02	1.4300E-01	4.0399E-03	2.3759E-01
KFK(1985LIB.)	1.3897E-01	1.3032E-01	9.4906E-04	2.7024E-01	9.1474E-02	1.4349E-01	3.6415E-03	2.3861E-01
MAPI-CRC	1.4730E-01	1.4520E-01	1.2130E-03	2.9380E-01	9.8310E-02	1.5780E-01	4.5670E-03	2.6070E-01
NAIG	1.4528E-01	1.4091E-01	1.2692E-03	2.8745E-01	9.5329E-02	1.5669E-01	5.1809E-03	2.5720E-01
PNC	1.5030E-01	1.3880E-01	1.2420E-03	2.9030E-01	9.8590E-02	1.5700E-01	5.2490E-03	2.6080E-01
PSI(BOXER)	1.4854E-01	1.4342E-01	1.2057E-03	2.9317E-01	9.7994E-02	1.5800E-01	4.6755E-03	2.6067E-01
PSI(DANDE)	1.4674E-01	1.4811E-01	1.3556E-03	2.9620E-01	9.6620E-02	1.6307E-01	5.3650E-03	2.6505E-01
STUDSVIK	0.0	0.0	0.0	2.9144E-01	0.0	0.0	0.0	2.6142E-01
TUBS(DATUBS4)	1.4180E-01	1.4750E-01	1.1330E-03	2.9040E-01	9.5080E-02	1.6440E-01	4.3000E-03	2.6380E-01
TUBS(DATUBS5)	1.4350E-01	1.4670E-01	1.0890E-03	2.9140E-01	9.6570E-02	1.6350E-01	4.1320E-03	2.6420E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU240 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.8800E-02	2.8500E-02	1.1900E-03	5.8400E-02	2.1200E-02	3.3100E-02	5.0900E-03	5.9400E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.8310E-02	2.6800E-02	1.9470E-03	5.7050E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	2.8630E-02	2.8190E-02	1.9320E-03	5.8750E-02	2.1140E-02	3.2470E-02	6.8960E-03	6.0500E-02
HITACHI(J2)	2.9480E-02	3.0520E-02	1.9970E-03	6.2000E-02	2.1670E-02	3.4790E-02	6.9510E-03	6.3410E-02
IKE	2.9270E-02	3.0024E-02	1.7104E-03	6.1005E-02	2.1639E-02	3.4101E-02	6.4344E-03	6.2175E-02
JAERI(SRAC)	2.9617E-02	2.9534E-02	1.1729E-03	6.0324E-02	2.2008E-02	3.3761E-02	5.3403E-03	6.1110E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.9855E-02	2.3374E-02	1.4672E-03	5.4697E-02	2.1586E-02	2.7582E-02	5.3634E-03	5.4532E-02
KFK(1985LIB.)	3.0076E-02	2.3275E-02	1.2982E-03	5.4651E-02	2.1847E-02	2.7723E-02	4.7637E-03	5.4334E-02
MAPI-CRC	3.0450E-02	2.8450E-02	1.6950E-03	6.0590E-02	2.2480E-02	3.2300E-02	5.9580E-03	6.0740E-02
NAIG	3.0022E-02	2.6064E-02	1.7423E-03	5.7829E-02	2.1834E-02	3.0507E-02	6.7368E-03	5.9078E-02
PNC	3.1670E-02	2.7560E-02	1.7200E-03	6.0950E-02	2.2960E-02	3.2310E-02	6.9710E-03	6.2240E-02
PSI(BOXER)	3.0324E-02	2.7663E-02	1.6177E-03	5.9605E-02	2.2347E-02	3.1528E-02	5.9838E-03	5.9859E-02
PSI(DANDE)	2.9368E-02	2.8788E-02	1.8398E-03	5.9996E-02	2.1289E-02	3.2505E-02	6.9017E-03	6.0695E-02
STUDSVIK	0.0	0.0	0.0	4.6780E-02	0.0	0.0	0.0	4.9570E-02
TUBS(DATUBS4)	2.7890E-02	2.7400E-02	1.8860E-03	5.7180E-02	2.0650E-02	3.1510E-02	6.5560E-03	5.8710E-02
TUBS(DATUBS5)	2.8590E-02	2.9410E-02	1.7950E-03	5.9790E-02	2.1130E-02	3.4280E-02	6.2470E-03	6.1650E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU241 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.3900E-02	3.8700E-02	2.5500E-04	7.2900E-02	2.9300E-02	5.6700E-02	1.1500E-03	8.7100E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.4580E-02	4.1350E-02	3.5310E-04	7.6280E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	3.4340E-02	4.2590E-02	3.1680E-04	7.7240E-02	2.9270E-02	6.0190E-02	1.4090E-03	9.0870E-02
HITACHI(J2)	3.5020E-02	4.1550E-02	3.5870E-04	7.6930E-02	2.9650E-02	5.9060E-02	1.4420E-03	9.0150E-02
IKE	3.4721E-02	3.8494E-02	3.1369E-04	7.3530E-02	2.9613E-02	5.6304E-02	1.3406E-03	8.7259E-02
JAERI(SRAC)	3.4465E-02	3.8239E-02	2.1269E-04	7.2917E-02	2.9680E-02	5.5424E-02	1.0493E-03	8.6152E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.3213E-02	3.4461E-02	2.3767E-04	6.7912E-02	2.8357E-02	5.0579E-02	1.0161E-03	7.9953E-02
KFK(1985LIB.)	3.2616E-02	3.3495E-02	2.0037E-04	6.6312E-02	2.8065E-02	4.9686E-02	8.7747E-04	7.8629E-02
MAPI-CRC	3.5460E-02	3.9180E-02	2.8770E-04	7.4920E-02	3.0200E-02	5.4190E-02	1.1980E-03	8.5500E-02
NAIG	3.5563E-02	3.7174E-02	2.9810E-04	7.3035E-02	3.0541E-02	5.6669E-02	1.3384E-03	8.8549E-02
PNC	3.6360E-02	3.8030E-02	3.0240E-04	7.4700E-02	3.1070E-02	5.7590E-02	1.4420E-03	9.0100E-02
PSI(BOXER)	3.5382E-02	3.8882E-02	2.6889E-04	7.4533E-02	3.0620E-02	5.7392E-02	1.1759E-03	8.9188E-02
PSI(DANDE)	3.5439E-02	4.0497E-02	3.2801E-04	7.6264E-02	3.0243E-02	6.0457E-02	1.4165E-03	9.2116E-02
STUDSVIK	0.0	0.0	0.0	7.1030E-02	0.0	0.0	0.0	8.8360E-02
TUBS(DATUBS4)	3.4340E-02	3.9320E-02	5.3170E-04	7.4190E-02	2.9330E-02	5.6180E-02	2.0030E-03	8.7520E-02
TUBS(DATUBS5)	3.4880E-02	3.7480E-02	5.6640E-04	7.2920E-02	2.9520E-02	5.3340E-02	2.0890E-03	8.4940E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU242 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.7400E-03	5.2700E-03	8.6100E-04	1.1900E-02	4.5700E-03	6.3000E-03	2.5400E-03	1.3400E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	5.7760E-03	5.6740E-03	1.0630E-03	1.2510E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	5.8010E-03	5.3370E-03	1.0290E-03	1.2170E-02	4.6510E-03	6.2230E-03	3.4040E-03	1.4280E-02
HITACHI(J2)	6.7260E-03	5.9220E-03	1.0790E-03	1.3730E-02	5.3380E-03	6.5810E-03	3.2700E-03	1.5190E-02
IKE	6.6937E-03	5.9555E-03	9.4418E-04	1.3593E-02	5.3547E-03	6.9179E-03	2.8029E-03	1.5076E-02
JAERI(SRAC)	6.6550E-03	5.9841E-03	7.7708E-04	1.3416E-02	5.3486E-03	6.9282E-03	2.5993E-03	1.4876E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.6531E-03	5.5234E-03	8.8146E-04	1.3058E-02	5.4148E-03	6.6030E-03	2.5808E-03	1.4599E-02
KFK(1985LIB.)	5.9229E-03	4.9112E-03	1.1814E-03	1.2016E-02	4.5814E-03	5.6544E-03	3.5793E-03	1.3815E-02
MAPI-CRC	6.9820E-03	5.8190E-03	7.7350E-04	1.3570E-02	5.5520E-03	6.4570E-03	2.3510E-03	1.4360E-02
NAIG	6.9906E-03	5.5269E-03	9.2390E-04	1.3441E-02	5.5185E-03	6.4124E-03	2.8156E-03	1.4746E-02
PNC	7.1990E-03	5.6380E-03	7.8500E-04	1.3620E-02	5.7600E-03	6.6670E-03	2.7180E-03	1.5140E-02
PSI(BOXER)	5.5272E-03	5.1332E-03	1.4852E-03	1.2146E-02	4.3223E-03	6.0719E-03	4.4681E-03	1.4862E-02
PSI(DANDE)	6.6292E-03	5.8326E-03	1.2241E-03	1.3686E-02	5.1949E-03	6.6212E-03	3.7273E-03	1.5543E-02
STUDSVIK	0.0	0.0	0.0	1.2690E-02	0.0	0.0	0.0	1.6070E-02
TUBS(DATUBS4)	6.2940E-03	5.2580E-03	9.0070E-04	1.2450E-02	5.0510E-03	6.4810E-03	2.6040E-03	1.4140E-02
TUBS(DATUBS5)	6.5100E-03	6.0940E-03	8.6130E-04	1.3460E-02	5.2400E-03	7.4370E-03	2.5020E-03	1.5180E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF AM241 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.9400E-03	2.4100E-03	1.0600E-04	4.4600E-03	1.5200E-03	3.1000E-03	3.8800E-04	5.0100E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.1900E-03	2.8510E-03	1.2860E-04	4.1690E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	2.3000E-03	2.7460E-03	1.0290E-04	5.1490E-03	1.7870E-03	3.3720E-03	3.9760E-04	5.5560E-03
HITACHI(J2)	2.2430E-03	2.8030E-03	1.1210E-04	5.1580E-03	1.7340E-03	3.4100E-03	3.9030E-04	5.5340E-03
IKE	2.1984E-03	2.5100E-03	1.1872E-04	4.8272E-03	1.6837E-03	3.1717E-03	4.3716E-04	5.2925E-03
JAERI(SRAC)	2.1709E-03	2.5294E-03	7.5435E-05	4.7758E-03	1.7017E-03	3.1712E-03	3.2677E-04	5.1997E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.0066E-03	2.3129E-03	9.6735E-05	4.4162E-03	1.5372E-03	2.8834E-03	3.4691E-04	4.7676E-03
KFK(1985LIB.)	1.9930E-03	2.2782E-03	8.1007E-05	4.3523E-03	1.5348E-03	2.8666E-03	2.9686E-04	4.6983E-03
MAPI-CRC	2.4620E-03	2.9220E-03	1.1960E-04	5.5040E-03	1.9150E-03	3.5050E-03	4.1270E-04	5.8330E-03
NAIG	1.2441E-03	2.8483E-03	1.4410E-04	4.2360E-03	9.7230E-04	3.8048E-03	5.3300E-04	5.3100E-03
PNC	2.5960E-03	2.8610E-03	1.2730E-04	5.5850E-03	2.0190E-03	3.6670E-03	5.0740E-04	6.1930E-03
PSI(BOXER)	1.2817E-03	2.8642E-03	1.1799E-04	4.2639E-03	1.0225E-03	3.7215E-03	4.2649E-04	5.1705E-03
PSI(DANDE)	2.1862E-03	2.5640E-03	1.2086E-04	4.8710E-03	1.6735E-03	3.3092E-03	4.4928E-04	5.4320E-03
STUDSVIK	0.0	0.0	0.0	2.9600E-03	0.0	0.0	0.0	3.5000E-03
TUBS(DATUBS4)	1.9780E-03	2.5310E-03	1.0470E-04	4.6140E-03	1.5380E-03	3.2060E-03	3.7250E-04	5.1160E-03
TUBS(DATUBS5)	2.1740E-03	2.4100E-03	1.0090E-04	4.6850E-03	1.6590E-03	3.0150E-03	3.5760E-04	5.0320E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF AM243 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.6100E-03	2.9800E-03	3.0400E-04	4.8900E-03	1.4000E-03	4.3700E-03	1.1100E-03	6.8800E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.3700E-03	2.8530E-03	3.2050E-04	4.5440E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	2.5140E-03	3.5970E-03	2.9430E-04	6.4040E-03	2.1200E-03	4.9430E-03	1.1190E-03	8.1820E-03
HITACHI(J2)	2.3900E-03	3.5760E-03	3.0290E-04	6.2690E-03	2.0090E-03	4.8500E-03	1.1010E-03	7.9600E-03
IKE	2.4014E-03	3.2861E-03	3.0512E-04	5.9927E-03	2.0388E-03	4.6485E-03	1.1269E-03	7.8142E-03
JAERI(SRAC)	2.3655E-03	3.2666E-03	2.1083E-04	5.8428E-03	2.0055E-03	4.5383E-03	9.0544E-04	7.4491E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.0345E-03	2.8905E-03	2.4750E-04	5.1725E-03	1.6420E-03	3.8490E-03	8.5979E-04	6.3509E-03
KFK(1985LIB.)	3.0140E-03	4.2432E-03	3.0620E-04	7.5635E-03	2.6890E-03	6.2643E-03	1.1586E-03	1.0112E-02
MAPI-CRC	2.2480E-03	3.1490E-03	2.6310E-04	5.6590E-03	1.9670E-03	4.3780E-03	9.3400E-04	7.2790E-03
NAIG	1.3381E-03	2.4881E-03	2.2220E-04	4.0480E-03	1.1833E-03	3.8311E-03	8.8220E-04	5.8970E-03
PNC	0.0	2.6480E-03	2.6230E-04	2.9100E-03	0.0	3.8290E-03	1.0370E-03	4.8670E-03
PSI(BOXER)	1.9714E-03	3.5636E-03	3.3852E-04	5.8735E-03	1.7884E-03	5.3691E-03	1.2766E-03	8.4341E-03
PSI(DANDE)	2.6101E-03	3.7092E-03	3.4432E-04	6.6636E-03	2.2002E-03	5.3393E-03	1.2771E-03	8.8165E-03
STUDSVIK	0.0	0.0	0.0	5.7700E-03	0.0	0.0	0.0	8.0900E-03
TUBS(DATUBS4)	1.4010E-03	2.6320E-03	1.6630E-04	4.1990E-03	1.2390E-03	3.8740E-03	6.3390E-04	5.7470E-03
TUBS(DATUBS5)	1.4000E-03	2.6780E-03	1.6040E-04	4.2380E-03	1.2330E-03	3.8960E-03	6.0950E-04	5.7380E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF CM244 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	7.3200E-04	6.2100E-04	4.5200E-07	1.3500E-03	7.7800E-04	1.1900E-03	2.0100E-06	1.9700E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	5.2290E-04	5.7240E-04	3.8560E-07	1.0960E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	5.6950E-04	6.4960E-04	6.4260E-07	1.2200E-03	5.7480E-04	1.1630E-03	2.7660E-06	1.7410E-03
HITACHI(J2)	5.3180E-04	6.2820E-04	6.6380E-07	1.1610E-03	5.3230E-04	1.1440E-03	2.5940E-06	1.6790E-03
IKE	5.8554E-04	5.3859E-04	5.9655E-07	1.1247E-03	5.9953E-04	1.0874E-03	2.4982E-06	1.6895E-03
JAERI(SRAC)	5.4211E-04	5.9387E-04	6.5288E-07	1.1366E-03	5.5737E-04	1.0981E-03	3.0302E-06	1.6585E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.8428E-04	5.6567E-04	4.6880E-07	1.1504E-03	5.7614E-04	1.0171E-03	8.5979E-06	1.5951E-03
KFK(1985LIB.)	8.4066E-04	8.0038E-04	5.4308E-07	1.6416E-03	9.2808E-04	1.6026E-03	2.4835E-06	2.5332E-03
MAPI-CRC	5.2870E-04	6.4120E-04	5.1910E-07	1.1700E-03	5.5420E-04	1.1970E-03	2.1610E-06	1.7540E-03
NAIG	4.1740E-04	4.7290E-04	4.0000E-07	8.9100E-04	4.4390E-04	9.7620E-04	1.8000E-06	1.4220E-03
PNC	0.0	5.8250E-04	4.6410E-07	5.8290E-04	0.0	1.1430E-03	2.0770E-06	1.1450E-03
PSI(BOXER)	6.7496E-04	6.3912E-04	5.3253E-07	1.3146E-03	7.3925E-04	1.2579E-03	2.3871E-06	1.9995E-03
PSI(DANDE)	5.9942E-04	4.4749E-04	6.2327E-07	1.0475E-03	6.0122E-04	1.0471E-03	2.6195E-06	1.6510E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.9130E-04	4.5420E-04	3.4940E-07	8.4580E-04	4.2750E-04	8.7290E-04	1.5040E-06	1.3020E-03
TUBS(DATUBS5)	3.7660E-04	4.5140E-04	3.2400E-07	8.2830E-04	4.1110E-04	8.6250E-04	1.3960E-06	1.2750E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF FP-TOTAL (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.1000E-02	2.4700E-02	4.1500E-04	3.6100E-02	8.8200E-03	3.6000E-02	1.4000E-03	4.6200E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.1522E-20	2.6704E-20	3.0873E-40	3.8534E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.0070E-02	2.6370E-02	3.8890E-04	3.6830E-02	8.0680E-03	3.6490E-02	1.3950E-03	4.5950E-02
HITACHI(J2)	9.9290E-03	2.6910E-02	4.1060E-04	3.7270E-02	8.0090E-03	3.7200E-02	1.3660E-03	4.6550E-02
IKE	8.3749E-03	2.2079E-02	3.8966E-04	3.0844E-02	6.7614E-03	3.2964E-02	1.3878E-03	4.1114E-02
JAERI(SRAC)	1.0499E-02	2.5937E-02	2.5539E-04	3.6692E-02	8.6511E-03	3.7596E-02	1.0921E-03	4.7340E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.7867E-03	1.6602E-02	2.5324E-04	2.3643E-02	5.4389E-03	2.4520E-02	8.9502E-04	3.0854E-02
KFK(1985LIB.)	8.7637E-03	2.0314E-02	2.4963E-04	2.9328E-02	7.0860E-03	2.9696E-02	8.8347E-04	3.7666E-02
MAPI-CRC	4.9720E-04	3.5920E-02	3.4060E-04	3.6750E-02	4.0650E-04	4.4880E-02	1.1440E-03	4.6430E-02
NAIG	1.0497E-02	2.5263E-02	3.8860E-04	3.6147E-02	8.4284E-03	3.8082E-02	1.4465E-03	4.7958E-02
PNC	3.8410E-04	3.2040E-02	3.2810E-04	3.2750E-02	3.0660E-04	4.2980E-02	1.2600E-03	4.4550E-02
PSI(BOXER)	9.6125E-03	2.7049E-02	2.2412E-04	3.6886E-02	7.7501E-03	3.9552E-02	8.0079E-04	4.8103E-02
PSI(DANDE)	1.0552E-02	2.7719E-02	4.0247E-04	3.8674E-02	8.4867E-03	4.0557E-02	1.4527E-03	5.0496E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	9.3430E-03	2.2960E-02	3.6270E-04	3.2670E-02	7.5420E-03	3.3510E-02	1.2540E-03	4.2300E-02
TUBS(DATUBS5)	9.1770E-03	2.2850E-02	3.4130E-04	3.2370E-02	7.4220E-03	3.3140E-02	1.1830E-03	4.1750E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U235 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.2600E-03	3.1100E-03	1.9300E-05	6.3900E-03	2.8300E-03	4.3800E-03	8.1800E-05	7.3000E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	3.2570E-03	3.4250E-03	2.3280E-05	6.7450E-03	2.8650E-03	4.6930E-03	9.9920E-05	7.6580E-03
HITACHI(J2)	3.2360E-03	3.5080E-03	2.4930E-05	6.7690E-03	2.8200E-03	4.7590E-03	9.7810E-05	7.6760E-03
IKE	3.1918E-03	3.2578E-03	2.2575E-05	6.4723E-03	2.7938E-03	4.6117E-03	9.2989E-05	7.4986E-03
JAERI(SRAC)	3.1865E-03	3.2949E-03	1.5288E-05	6.4965E-03	2.8197E-03	4.6038E-03	7.3113E-05	7.4965E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.2057E-03	2.8792E-03	1.5430E-05	6.1004E-03	2.7688E-03	3.9731E-03	6.3142E-05	6.8051E-03
KFK(1985LIB.)	3.1882E-03	2.8402E-03	1.2875E-05	6.0414E-03	2.7653E-03	3.9535E-03	5.3827E-05	6.7727E-03
MAPI-CRC	3.3170E-03	3.3630E-03	1.9060E-05	6.6990E-03	2.9020E-03	4.4580E-03	7.8190E-05	7.4380E-03
NAIG	3.3012E-03	3.2626E-03	2.1000E-05	6.5850E-03	2.8595E-03	4.7034E-03	8.9300E-05	7.6520E-03
PNC	3.6760E-03	3.2100E-03	1.9610E-05	6.9070E-03	3.1880E-03	4.4600E-03	9.1000E-05	7.7390E-03
PSI(BOXER)	3.3663E-03	3.1158E-03	1.7783E-05	6.4999E-03	2.9292E-03	4.4356E-03	7.5001E-05	7.4398E-03
PSI(DANDE)	3.2540E-03	3.3717E-03	2.1062E-05	6.6468E-03	2.8259E-03	4.7619E-03	8.9598E-05	7.6774E-03
STUDSVIK	0.0	0.0	0.0	6.8000E-03	0.0	0.0	0.0	7.7900E-03
TUBS(DATUBS4)	3.2620E-03	3.2090E-03	1.7890E-05	6.4890E-03	2.8370E-03	4.4780E-03	7.5320E-05	7.3910E-03
TUBS(DATUBS5)	3.1800E-03	3.1810E-03	1.6730E-05	6.3780E-03	2.7750E-03	4.4260E-03	7.0380E-05	7.2710E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U238 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.1700E-02	0.0	9.6000E-14	6.1700E-02	6.4500E-02	0.0	2.6000E-13	6.4500E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	6.0350E-02	1.4500E-05	2.1040E-11	6.0360E-02	6.2500E-02	1.6310E-05	7.9670E-11	6.2520E-02
HITACHI(J2)	6.1890E-02	2.8830E-05	2.0910E-10	6.1920E-02	6.4200E-02	3.1510E-05	7.5540E-10	6.4240E-02
IKE	6.4850E-02	2.7073E-05	1.8713E-10	6.4878E-02	6.8495E-02	3.1802E-05	7.0825E-10	6.8527E-02
JAERI(SRAC)	6.5829E-02	3.1386E-05	0.0	6.5860E-02	6.7362E-02	3.6096E-05	0.0	6.7399E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.3459E-02	0.0	0.0	6.3460E-02	6.5660E-02	0.0	0.0	6.5661E-02
KFK(1985LIB.)	6.2800E-02	0.0	0.0	6.2800E-02	6.5374E-02	0.0	0.0	6.5375E-02
MAPI-CRC	6.7590E-02	2.8350E-05	1.7350E-10	6.7620E-02	7.0480E-02	3.3420E-05	6.3560E-10	7.0520E-02
NAIG	6.7324E-02	2.6900E-05	0.0	6.7351E-02	6.7447E-02	3.2900E-05	0.0	6.7480E-02
PNC	6.4130E-02	0.0	0.0	6.4130E-02	6.6310E-02	0.0	0.0	6.6310E-02
PSI(BOXER)	6.5779E-02	2.6171E-05	1.4511E-10	6.5805E-02	6.8403E-02	2.9791E-05	5.1551E-10	6.8433E-02
PSI(DANDE)	6.1086E-02	2.8043E-05	1.8742E-10	6.1114E-02	6.4307E-02	3.2990E-05	7.1842E-10	6.4340E-02
STUDSVIK	0.0	0.0	0.0	6.9580E-02	0.0	0.0	0.0	7.2100E-02
TUBS(DATUBS4)	6.3790E-02	5.2470E-06	0.0	6.3790E-02	6.8060E-02	5.9630E-06	0.0	6.8060E-02
TUBS(DATUBS5)	6.5040E-02	3.1700E-05	1.4300E-10	6.5070E-02	6.9200E-02	3.5390E-05	5.3770E-10	6.9240E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU239 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2600E-01	7.8900E-02	8.3800E-04	2.0600E-01	8.4000E-02	8.6500E-02	3.2300E-03	1.7400E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.2350E-01	8.2090E-02	1.0240E-03	2.0660E-01	8.1960E-02	8.8600E-02	3.8310E-03	1.7440E-01
HITACHI(J2)	1.2160E-01	8.4430E-02	1.0970E-03	2.0710E-01	8.0760E-02	9.0290E-02	3.7770E-03	1.7480E-01
IKE	1.2269E-01	8.2364E-02	9.8303E-04	2.0604E-01	8.2190E-02	8.9612E-02	3.6992E-03	1.7550E-01
JAERI(SRAC)	1.2194E-01	8.0327E-02	5.8547E-04	2.0285E-01	8.2191E-02	8.8409E-02	2.7212E-03	1.7332E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.2138E-01	7.3245E-02	7.5653E-04	1.9538E-01	7.9759E-02	8.0200E-02	2.7779E-03	1.6274E-01
KFK(1985LIB.)	1.2177E-01	7.2739E-02	6.6481E-04	1.9518E-01	8.0588E-02	8.0500E-02	2.4852E-03	1.6358E-01
MAPI-CRC	1.2690E-01	8.0900E-02	8.7460E-04	2.0870E-01	8.5220E-02	8.8210E-02	3.1830E-03	1.7660E-01
NAIG	1.2629E-01	7.9751E-02	9.0530E-04	2.0695E-01	8.3471E-02	8.9178E-02	3.5695E-03	1.7622E-01
PNC	1.3020E-01	7.7270E-02	8.9420E-04	2.0840E-01	8.5810E-02	8.7970E-02	3.6550E-03	1.7740E-01
PSI(BOXER)	1.2922E-01	7.8575E-02	8.4510E-04	2.0864E-01	8.5737E-02	8.7332E-02	3.1921E-03	1.7626E-01
PSI(DANDE)	1.2594E-01	8.4834E-02	9.9162E-04	2.1177E-01	8.3441E-02	9.4123E-02	3.7919E-03	1.8136E-01
STUDSVIK	0.0	0.0	0.0	2.0834E-01	0.0	0.0	0.0	1.7791E-01
TUBS(DATUBS4)	1.2200E-01	8.2280E-02	7.9660E-04	2.0500E-01	8.2500E-02	9.2060E-02	2.9490E-03	1.7750E-01
TUBS(DATUBS5)	1.2230E-01	8.2730E-02	7.8420E-04	2.0590E-01	8.3020E-02	9.2580E-02	2.8910E-03	1.7850E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU240 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.7200E-02	1.2300E-03	2.3600E-07	1.8400E-02	1.3400E-02	1.1300E-03	1.0000E-06	1.4600E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.7080E-02	1.2450E-03	3.8100E-07	1.8330E-02	1.3360E-02	1.1410E-03	1.3550E-06	1.4510E-02
HITACHI(J2)	1.6620E-02	1.4410E-03	4.0520E-07	1.8060E-02	1.3040E-02	1.3250E-03	1.4010E-06	1.4370E-02
IKE	1.6762E-02	1.4283E-03	3.4788E-07	1.8190E-02	1.3142E-02	1.3007E-03	1.2973E-06	1.4444E-02
JAERI(SRAC)	1.7022E-02	1.4301E-03	2.3960E-07	1.8452E-02	1.3341E-02	1.3210E-03	1.0782E-06	1.4663E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.7180E-02	7.8474E-04	2.7595E-07	1.7965E-02	1.3099E-02	7.2028E-04	1.0017E-06	1.3820E-02
KFK(1985LIB.)	1.7317E-02	7.8451E-04	2.4332E-07	1.8102E-02	1.3267E-02	7.2621E-04	8.8785E-07	1.3994E-02
MAPI-CRC	1.7830E-02	1.3020E-03	3.4350E-07	1.9140E-02	1.3920E-02	1.2150E-03	1.2000E-06	1.5130E-02
NAIG	1.7907E-02	7.6320E-04	3.0000E-07	1.8670E-02	1.3761E-02	6.6100E-04	1.2000E-06	1.4423E-02
PNC	1.9060E-02	1.2430E-03	3.4900E-07	2.0300E-02	1.4440E-02	1.1810E-03	1.4030E-06	1.5620E-02
PSI(BOXER)	1.8936E-02	1.1683E-03	3.1827E-07	2.0105E-02	1.4600E-02	1.0936E-03	1.1714E-06	1.5695E-02
PSI(DANDE)	1.6773E-02	1.3003E-03	3.7241E-07	1.8073E-02	1.2854E-02	1.2281E-03	1.3867E-06	1.4083E-02
STUDSVIK	0.0	0.0	0.0	1.8390E-02	0.0	0.0	0.0	1.4500E-02
TUBS(DATUBS4)	1.6470E-02	1.1480E-03	3.6240E-07	1.7620E-02	1.3020E-02	1.0920E-03	1.2500E-06	1.4110E-02
TUBS(DATUBS5)	1.5940E-02	1.3290E-03	3.5900E-07	1.7270E-02	1.2660E-02	1.2850E-03	1.2440E-06	1.3950E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU241 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.9600E-02	3.0100E-02	2.1700E-04	5.9900E-02	2.5700E-02	4.4500E-02	9.5100E-04	7.1100E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	2.9870E-02	3.3130E-02	2.6820E-04	6.3270E-02	2.5560E-02	4.7200E-02	1.1660E-03	7.3920E-02
HITACHI(J2)	3.0030E-02	3.2330E-02	2.9000E-04	6.2650E-02	2.5500E-02	4.5590E-02	1.1470E-03	7.2240E-02
IKE	2.9756E-02	2.9972E-02	2.5479E-04	5.9983E-02	2.5431E-02	4.3491E-02	1.0676E-03	6.9990E-02
JAERI(SRAC)	2.9572E-02	2.9761E-02	1.7453E-04	5.9507E-02	2.5520E-02	4.2817E-02	8.4128E-04	6.9179E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.8873E-02	2.6147E-02	1.9146E-04	5.5212E-02	2.4741E-02	3.8214E-02	8.0191E-04	6.3758E-02
KFK(1985LIB.)	2.8355E-02	2.5417E-02	1.5961E-04	5.3933E-02	2.4488E-02	3.7541E-02	6.8644E-04	6.2717E-02
MAPI-CRC	3.0520E-02	3.0500E-02	2.3240E-04	6.1250E-02	2.6070E-02	4.1950E-02	9.5020E-04	6.8980E-02
NAIG	3.0554E-02	2.8959E-02	2.4280E-04	5.9756E-02	2.6305E-02	4.3873E-02	1.0688E-03	7.1247E-02
PNC	3.1300E-02	2.9580E-02	2.4420E-04	6.1120E-02	2.6810E-02	4.4520E-02	1.1440E-03	7.2480E-02
PSI(BOXER)	3.0951E-02	3.0255E-02	2.2524E-04	6.1431E-02	2.6877E-02	4.5034E-02	9.6201E-04	7.2873E-02
PSI(DANDE)	3.0441E-02	3.1499E-02	2.6305E-04	6.2203E-02	2.6053E-02	4.6788E-02	1.1183E-03	7.3959E-02
STUDSVIK	0.0	0.0	0.0	5.7860E-02	0.0	0.0	0.0	7.0660E-02
TUBS(DATUBS4)	2.9910E-02	3.0940E-02	3.9510E-04	6.1250E-02	2.5650E-02	4.4610E-02	1.4910E-03	7.1750E-02
TUBS(DATUBS5)	2.9900E-02	2.9330E-02	3.7940E-04	5.9610E-02	2.5380E-02	4.1640E-02	1.4230E-03	6.8440E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU242 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.7700E-03	0.0	0.0	3.7700E-03	3.1700E-03	0.0	0.0	3.1700E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	3.7900E-03	0.0	0.0	3.7900E-03	3.2050E-03	0.0	0.0	3.2050E-03
HITACHI(J2)	3.5030E-03	4.9760E-05	7.7580E-07	3.5540E-03	3.0080E-03	5.0880E-05	2.3640E-06	3.0610E-03
IKE	3.5520E-03	4.7575E-05	6.3235E-07	3.6003E-03	3.0494E-03	4.9274E-05	1.8776E-06	3.1005E-03
JAERI(SRAC)	3.5540E-03	4.8833E-05	5.5451E-07	3.6034E-03	3.0447E-03	5.0766E-05	1.8745E-06	3.0973E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.7027E-03	1.6930E-05	2.3409E-10	3.7197E-03	3.2072E-03	1.8617E-05	7.7224E-10	3.2259E-03
KFK(1985LIB.)	3.2981E-03	1.5031E-05	1.6655E-10	3.3132E-03	2.7157E-03	1.5866E-05	5.3417E-10	2.7317E-03
MAPI-CRC	3.8020E-03	4.3970E-05	5.6310E-07	3.8460E-03	3.2330E-03	4.5800E-05	1.7210E-06	3.2810E-03
NAIG	3.8585E-03	4.4000E-05	7.0000E-07	3.9030E-03	3.2555E-03	4.8200E-05	2.1000E-06	3.3060E-03
PNC	4.0470E-03	4.2900E-05	2.3140E-06	4.0920E-03	3.4150E-03	4.6440E-05	7.8130E-06	3.4690E-03
PSI(BOXER)	3.7628E-03	0.0	0.0	3.7628E-03	3.0760E-03	0.0	0.0	3.0760E-03
PSI(DANDE)	3.4954E-03	4.2841E-05	8.1955E-07	3.5391E-03	2.9348E-03	4.5414E-05	2.4958E-06	2.9828E-03
STUDSVIK	0.0	0.0	0.0	3.5400E-03	0.0	0.0	0.0	2.9200E-03
TUBS(DATUBS4)	3.4160E-03	4.0410E-05	2.9440E-10	3.4560E-03	2.9780E-03	4.1840E-05	9.8840E-10	3.0200E-03
TUBS(DATUBS5)	3.3920E-03	4.5530E-05	5.7670E-07	3.4380E-03	2.9750E-03	4.8530E-05	1.6760E-06	3.0250E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF AM241 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.8300E-04	2.0100E-05	3.9700E-07	5.0300E-04	4.3500E-04	2.3900E-05	1.4400E-06	4.6000E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	5.2050E-04	2.3750E-05	4.6650E-07	5.4470E-04	4.6640E-04	2.7940E-05	1.8300E-06	4.9610E-04
HITACHI(J2)	4.9300E-04	2.4230E-05	5.0640E-07	5.1770E-04	4.4150E-04	2.8350E-05	1.8180E-06	4.7170E-04
IKE	4.4416E-04	1.8090E-05	6.1224E-07	4.6287E-04	3.9335E-04	2.2177E-05	2.3663E-06	4.1789E-04
JAERI(SRAC)	5.0159E-04	2.2132E-05	3.3708E-07	5.2405E-04	4.4457E-04	2.6472E-05	1.4935E-06	4.7252E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.9907E-04	1.7059E-05	4.7773E-07	5.1661E-04	4.3639E-04	2.0662E-05	1.8001E-06	4.5886E-04
KFK(1985LIB.)	4.9555E-04	1.6806E-05	4.0506E-07	5.1277E-04	4.3583E-04	2.0536E-05	1.5502E-06	4.5792E-04
MAPI-CRC	5.7470E-04	2.5610E-05	5.5080E-07	6.0090E-04	5.1310E-04	2.9390E-05	1.9190E-06	5.4450E-04
NAIG	5.2770E-04	2.2450E-04	6.0000E-07	7.5300E-04	4.4930E-04	2.2890E-04	2.4000E-06	6.8100E-04
PNC	6.2150E-04	2.5240E-05	5.6300E-07	6.4730E-04	5.4430E-04	3.0730E-05	2.3020E-06	5.7740E-04
PSI(BOXER)	5.5348E-04	2.2458E-04	4.7582E-07	7.7854E-04	4.8056E-04	2.2968E-04	1.7939E-06	7.1203E-04
PSI(DANDE)	4.2476E-04	1.8492E-05	6.2342E-07	4.4388E-04	3.7598E-04	2.3264E-05	2.4146E-06	4.0166E-04
STUDSVIK	0.0	0.0	0.0	4.3000E-04	0.0	0.0	0.0	3.8000E-04
TUBS(DATUBS4)	4.9950E-04	2.0730E-05	3.9870E-07	5.2060E-04	4.5130E-04	2.4430E-05	1.4730E-06	4.7720E-04
TUBS(DATUBS5)	4.3950E-04	1.7300E-05	6.0200E-07	4.5750E-04	3.9370E-04	2.1100E-05	2.1850E-06	4.1700E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF AM243 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.5700E-04	1.8800E-06	0.0	5.5900E-04	5.5400E-04	1.8600E-06	0.0	5.5600E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	5.7440E-04	1.0990E-05	8.5940E-07	5.8630E-04	5.6360E-04	1.5110E-05	3.2480E-06	5.8200E-04
HITACHI(J2)	5.2960E-04	1.0930E-05	8.8180E-07	5.4140E-04	5.2020E-04	1.4820E-05	3.2010E-06	5.3820E-04
IKE	4.7133E-04	2.8290E-06	2.0052E-07	4.7436E-04	4.6636E-04	3.7558E-06	7.3817E-07	4.7086E-04
JAERI(SRAC)	5.5317E-04	9.9812E-06	6.1610E-07	5.6376E-04	5.3430E-04	1.3873E-05	2.6338E-06	5.5080E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.6878E-04	3.2402E-06	1.4996E-09	5.7203E-04	5.2291E-04	3.1319E-06	5.0226E-09	5.2605E-04
KFK(1985LIB.)	8.4255E-04	4.7764E-06	1.7633E-09	8.4735E-04	8.5687E-04	5.1117E-06	6.6782E-09	8.6201E-04
MAPI-CRC	5.3260E-04	9.6220E-06	7.6240E-07	5.4300E-04	5.3920E-04	1.3390E-05	2.7040E-06	5.5530E-04
NAIG	5.2680E-04	0.0	0.0	5.2700E-04	5.1970E-04	0.0	0.0	5.2000E-04
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	7.8842E-04	0.0	0.0	7.8842E-04	7.9733E-04	0.0	0.0	7.9733E-04
PSI(DANDE)	4.9014E-04	3.1504E-06	2.2522E-07	4.9352E-04	4.8284E-04	4.2748E-06	8.3355E-07	4.8795E-04
STUDSVIK	0.0	0.0	0.0	7.8000E-04	0.0	0.0	0.0	7.7000E-04
TUBS(DATUBS4)	5.3190E-04	0.0	0.0	5.1390E-04	5.3620E-04	0.0	0.0	5.3620E-04
TUBS(DATUBS5)	5.2560E-04	0.0	0.0	5.2560E-04	5.2700E-04	0.0	0.0	5.2700E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF CM244 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.5200E-04	1.9200E-05	9.5200E-09	3.7100E-04	4.0700E-04	3.4700E-05	4.4600E-08	4.4200E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	3.4160E-04	2.2170E-05	3.5650E-08	3.6380E-04	3.6520E-04	3.5930E-05	1.5740E-07	4.0130E-04
HITACHI(J2)	3.1300E-04	2.1760E-05	3.6730E-08	3.3480E-04	3.3290E-04	3.5350E-05	1.4870E-07	3.6840E-04
IKE	3.2745E-04	2.9289E-05	1.8020E-08	3.5676E-04	3.5736E-04	4.5536E-05	8.0643E-08	4.0298E-04
JAERI(SRAC)	3.2476E-04	2.0610E-05	2.8391E-08	3.4539E-04	3.5096E-04	3.4124E-05	1.3803E-07	3.8522E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.4762E-04	2.3760E-05	1.3925E-08	3.7140E-04	3.6213E-04	3.6541E-05	5.9438E-08	3.9874E-04
KFK(1985LIB.)	5.0045E-04	3.3854E-05	1.6392E-08	5.3433E-04	5.8377E-04	5.8228E-05	8.0172E-08	6.4209E-04
MAPI-CRC	3.2230E-04	2.0800E-05	2.9120E-08	3.4320E-04	3.5570E-04	3.4620E-05	1.2390E-07	3.9040E-04
NAIG	3.1110E-04	3.0500E-05	0.0	3.4200E-04	3.4140E-04	5.6100E-05	1.0000E-07	3.9800E-04
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	5.0796E-04	2.3211E-05	3.1570E-08	5.3120E-04	5.7245E-04	5.1544E-05	1.4136E-07	6.2414E-04
PSI(DANDE)	3.4205E-04	1.2806E-05	1.8556E-08	3.5487E-04	3.6348E-04	2.8857E-05	8.3441E-08	3.9242E-04
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.8250E-04	2.9580E-05	2.0710E-08	3.1210E-04	3.2200E-04	5.1340E-05	8.9060E-08	3.7340E-04
TUBS(DATUBS5)	2.7040E-04	2.9540E-05	1.9210E-08	3.0000E-04	3.0800E-04	5.0830E-05	8.2660E-08	3.5890E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U235 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	8.0900E-03	7.5200E-03	4.6700E-05	1.5700E-02	7.0700E-03	1.0600E-02	1.9800E-04	1.7900E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	8.0267E-03	7.6811E-03	6.6635E-05	1.5777E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	8.1660E-03	8.2840E-03	5.6350E-05	1.6510E-02	7.1210E-03	1.1350E-02	2.4190E-04	1.8710E-02
HITACHI(J2)	8.0250E-03	8.5200E-03	6.0550E-05	1.6610E-02	7.0180E-03	1.1560E-02	2.3760E-04	1.8810E-02
IKE	7.9310E-03	7.9382E-03	5.5009E-05	1.5924E-02	6.9650E-03	1.1237E-02	2.2659E-04	1.8429E-02
JAERI(SRAC)	7.9159E-03	8.0034E-03	3.7127E-05	1.5956E-02	7.0259E-03	1.1183E-02	1.7756E-04	1.8386E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	7.9682E-03	6.9770E-03	3.7390E-05	1.4983E-02	6.9038E-03	9.6275E-03	1.5301E-04	1.6684E-02
KFK(1985LIB.)	7.9234E-03	6.8825E-03	3.1198E-05	1.4837E-02	6.8940E-03	9.5799E-03	1.3043E-04	1.6605E-02
MAPI-CRC	8.2430E-03	8.1680E-03	4.6300E-05	1.6460E-02	7.2370E-03	1.0830E-02	1.8990E-04	1.8250E-02
NAIG	8.2106E-03	7.9499E-03	5.1100E-05	1.6212E-02	7.1314E-03	1.1461E-02	2.1770E-04	1.8810E-02
PNC	9.1420E-03	7.8230E-03	4.7690E-05	1.7010E-02	7.9480E-03	1.0870E-02	2.2130E-04	1.9040E-02
PSI(BOXER)	8.3566E-03	7.5371E-03	4.3014E-05	1.5937E-02	7.2971E-03	1.0730E-02	1.8141E-04	1.8208E-02
PSI(DANDE)	8.0794E-03	8.2158E-03	5.1323E-05	1.6347E-02	7.0385E-03	1.1603E-02	2.1832E-04	1.8860E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	8.1110E-03	7.8190E-03	4.3580E-05	1.5970E-02	7.0810E-03	1.0910E-02	1.8350E-04	1.8180E-02
TUBS(DATUBS5)	7.9020E-03	7.7510E-03	4.0780E-05	1.5690E-02	6.9200E-03	1.0780E-02	1.7150E-04	1.7880E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U238 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.7200E-01	0.0	2.2000E-13	1.7200E-01	1.8000E-01	0.0	6.1000E-13	1.8000E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.7795E-01	2.2571E-07	0.0	1.7795E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.6680E-01	3.3640E-05	4.8800E-11	1.6680E-01	1.7330E-01	3.7830E-05	1.8480E-10	1.7340E-01
HITACHI(J2)	1.7120E-01	6.6890E-05	4.8490E-10	1.7130E-01	1.7830E-01	7.3110E-05	1.7520E-09	1.7840E-01
IKE	1.7992E-01	6.2800E-05	4.3404E-10	1.7999E-01	1.9076E-01	7.3769E-05	1.6428E-09	1.9083E-01
JAERI(SRAC)	1.8295E-01	7.2800E-05	0.0	1.8302E-01	1.8786E-01	8.3723E-05	0.0	1.8794E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.7627E-01	0.0	0.0	1.7628E-01	1.8274E-01	0.0	0.0	1.8275E-01
KFK(1985LIB.)	1.7418E-01	0.0	0.0	1.7419E-01	1.8170E-01	0.0	0.0	1.8170E-01
MAPI-CRC	1.8830E-01	6.5780E-05	4.0250E-10	1.8830E-01	1.9710E-01	7.7530E-05	1.4740E-09	1.9710E-01
NAIG	1.8769E-01	8.3000E-06	0.0	1.8770E-01	1.8812E-01	7.9000E-06	0.0	1.8813E-01
PNC	1.7750E-01	0.0	0.0	1.7750E-01	1.8420E-01	0.0	0.0	1.8420E-01
PSI(BOXER)	1.8243E-01	6.0707E-05	3.3658E-10	1.8249E-01	1.9031E-01	6.9105E-05	1.1957E-09	1.9038E-01
PSI(DANDE)	1.6942E-01	6.5054E-05	4.3433E-10	1.6948E-01	1.7904E-01	7.6530E-05	1.6649E-09	1.7911E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.7840E-01	1.2170E-05	0.0	1.7840E-01	1.9100E-01	1.3830E-05	0.0	1.9100E-01
TUBS(DATUBS5)	1.8100E-01	7.3540E-05	3.3160E-10	1.8100E-01	1.9320E-01	8.2100E-05	1.2470E-09	1.9330E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU239 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.7400E-01	2.2700E-01	2.4100E-03	6.0300E-01	2.5000E-01	2.4800E-01	9.2800E-03	5.0800E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.6763E-01	2.3226E-01	2.8541E-03	6.0264E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	3.6540E-01	2.3590E-01	2.9440E-03	6.0420E-01	2.4350E-01	2.5460E-01	1.1010E-02	5.0910E-01
HITACHI(J2)	3.6040E-01	2.4320E-01	3.1610E-03	6.0680E-01	2.4050E-01	2.6010E-01	1.0880E-02	5.1150E-01
IKE	3.6228E-01	2.3410E-01	2.8179E-03	5.9920E-01	2.4375E-01	2.5435E-01	1.0608E-02	5.0871E-01
JAERI(SRAC)	3.6233E-01	2.3132E-01	1.6865E-03	5.9534E-01	2.4517E-01	2.5460E-01	7.8388E-03	5.0761E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.6125E-01	2.1131E-01	2.1830E-03	5.7474E-01	2.3836E-01	2.3136E-01	8.0146E-03	4.7774E-01
KFK(1985LIB.)	3.6234E-01	2.0985E-01	1.9182E-03	5.7411E-01	2.4079E-01	2.3223E-01	7.1697E-03	4.8018E-01
MAPI-CRC	3.7710E-01	2.3300E-01	2.5190E-03	6.1260E-01	2.5440E-01	2.5410E-01	9.1690E-03	5.1760E-01
NAIG	3.7561E-01	2.2967E-01	2.6122E-03	6.0790E-01	2.4918E-01	2.5682E-01	1.0304E-02	5.1630E-01
PNC	3.8640E-01	2.2260E-01	2.5760E-03	6.1160E-01	2.5560E-01	2.5340E-01	1.0530E-02	5.1950E-01
PSI(BOXER)	3.8323E-01	2.2578E-01	2.4283E-03	6.1144E-01	2.5529E-01	2.5094E-01	9.1720E-03	5.1541E-01
PSI(DANDE)	3.7151E-01	2.4104E-01	2.8426E-03	6.1540E-01	2.4715E-01	2.8711E-01	1.0874E-02	5.2513E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.6170E-01	2.3640E-01	2.2890E-03	6.0040E-01	2.4590E-01	2.6450E-01	8.4750E-03	5.1890E-01
TUBS(DATUBS5)	3.6120E-01	2.3510E-01	2.2480E-03	5.9850E-01	2.4620E-01	2.6280E-01	8.2900E-03	5.1730E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU240 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.3300E-02	3.5300E-03	6.7800E-07	5.6800E-02	4.1800E-02	3.2500E-03	2.8800E-06	4.5000E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	5.2972E-02	3.1130E-03	9.9393E-07	5.6079E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	5.2770E-02	3.5730E-03	1.0930E-06	5.6340E-02	4.1460E-02	3.2750E-03	3.8890E-06	4.4740E-02
HITACHI(J2)	5.0100E-02	4.0120E-03	1.1280E-06	5.4110E-02	3.9510E-02	3.6900E-03	3.9000E-06	4.3200E-02
IKE	5.0651E-02	3.9766E-03	9.6842E-07	5.4629E-02	3.9944E-02	3.6211E-03	3.6115E-06	4.3569E-02
JAERI(SRAC)	5.1497E-02	3.9814E-03	6.6701E-07	5.5478E-02	4.0534E-02	3.6779E-03	3.0014E-06	4.4215E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.3723E-02	2.2605E-03	7.9452E-07	5.5985E-02	4.1163E-02	2.0748E-03	2.8839E-06	4.3241E-02
KFK(1985LIB.)	5.4112E-02	2.2599E-03	7.0054E-07	5.6374E-02	4.1663E-02	2.0918E-03	2.5560E-06	4.3757E-02
MAPI-CRC	5.3890E-02	3.6250E-03	9.5640E-07	5.7520E-02	4.2290E-02	3.3820E-03	3.3390E-06	4.5670E-02
NAIG	5.4538E-02	2.1395E-03	9.0000E-07	5.6679E-02	4.2039E-02	1.8530E-03	3.5000E-06	4.3895E-02
PNC	5.7180E-02	3.4600E-03	9.7140E-07	6.0650E-02	4.3560E-02	3.2890E-03	3.9060E-06	4.6850E-02
PSI(BOXER)	5.8556E-02	3.3532E-03	9.1337E-07	6.1910E-02	4.5355E-02	3.1388E-03	3.3618E-06	4.8497E-02
PSI(DANDE)	5.0509E-02	3.6202E-03	1.0367E-06	5.4130E-02	3.8947E-02	3.4190E-03	3.8602E-06	4.2370E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	5.1280E-02	3.2960E-03	1.0400E-06	5.4580E-02	4.0750E-02	3.1330E-03	3.5890E-06	4.3890E-02
TUBS(DATUBS5)	4.8360E-02	3.7010E-03	9.9930E-07	5.2060E-02	3.8620E-02	3.5760E-03	3.4640E-06	4.2200E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU241 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	8.8800E-02	8.8400E-02	6.3800E-04	1.7800E-01	7.7400E-02	1.3100E-01	2.7900E-03	2.1100E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	9.0612E-02	9.5240E-02	8.6966E-04	1.8672E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	8.9580E-02	9.7160E-02	7.8650E-04	1.8750E-01	7.6910E-02	1.3840E-01	3.4200E-03	2.1870E-01
HITACHI(J2)	8.9940E-02	9.4820E-02	8.5020E-04	1.8560E-01	7.6620E-02	1.3370E-01	3.3640E-03	2.1370E-01
IKE	8.9211E-02	8.7893E-02	7.4714E-04	1.7785E-01	7.6494E-02	1.2753E-01	3.1305E-03	2.0716E-01
JAERI(SRAC)	8.8680E-02	8.7274E-02	5.1177E-04	1.7646E-01	7.6746E-02	1.2556E-01	2.4669E-03	2.0477E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	8.6465E-02	7.6496E-02	5.5963E-04	1.6352E-01	7.4325E-02	1.1179E-01	2.3439E-03	1.8846E-01
KFK(1985LIB.)	8.4902E-02	7.4362E-02	4.6653E-04	1.5973E-01	7.3555E-02	1.0982E-01	2.0064E-03	1.8539E-01
MAPI-CRC	9.1580E-02	8.9440E-02	6.8130E-04	1.8170E-01	7.8480E-02	1.2300E-01	2.7860E-03	2.0430E-01
NAIG	9.1712E-02	8.4923E-02	7.1200E-04	1.7735E-01	7.9179E-02	1.2866E-01	3.1341E-03	2.1097E-01
PNC	9.3880E-02	8.6740E-02	7.1610E-04	1.8130E-01	8.0630E-02	1.3060E-01	3.3550E-03	2.1460E-01
PSI(BOXER)	9.3006E-02	8.8724E-02	6.6048E-04	1.8239E-01	8.1029E-02	1.3206E-01	2.8209E-03	2.1591E-01
PSI(DANDE)	9.1201E-02	9.2371E-02	7.7135E-04	1.8434E-01	7.8297E-02	1.3720E-01	3.2792E-03	2.1878E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	8.9830E-02	9.0740E-02	1.1590E-03	1.8170E-01	7.7340E-02	1.3080E-01	4.3710E-03	2.1250E-01
TUBS(DATUBS5)	8.9620E-02	8.6010E-02	1.1130E-03	1.7670E-01	7.6350E-02	1.2210E-01	4.1720E-03	2.0260E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU242 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.1500E-02	0.0	0.0	1.1500E-02	9.7600E-03	0.0	0.0	9.7600E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.1708E-02	0.0	0.0	1.1708E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.1570E-02	0.0	0.0	1.1570E-02	9.8270E-03	0.0	0.0	9.8270E-03
HITACHI(J2)	1.0700E-02	1.3970E-04	2.1780E-06	1.0840E-02	9.2240E-03	1.4290E-04	6.6390E-06	9.3740E-03
IKE	1.0872E-02	1.3360E-04	1.7756E-06	1.1007E-02	9.3784E-03	1.3837E-04	5.2722E-06	9.5221E-03
JAERI(SRAC)	1.0888E-02	1.3713E-04	1.5570E-06	1.1027E-02	9.3596E-03	1.4256E-04	5.2636E-06	9.5073E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.1705E-02	4.8786E-05	6.7462E-10	1.1754E-02	1.0178E-02	5.3647E-05	2.2254E-09	1.0232E-02
KFK(1985LIB.)	1.0417E-02	4.3315E-05	4.8001E-10	1.0461E-02	8.6121E-03	4.5719E-05	1.5395E-09	8.6580E-03
MAPI-CRC	1.1640E-02	1.2350E-04	1.5810E-06	1.1760E-02	9.9400E-03	1.2860E-04	4.8320E-06	1.0070E-02
NAIG	1.1810E-02	1.2360E-04	1.9000E-06	1.1935E-02	9.9845E-03	1.3550E-04	5.8000E-06	1.0126E-02
PNC	1.2290E-02	1.2050E-04	6.4980E-06	1.2420E-02	1.0420E-02	1.3040E-04	2.1940E-05	1.0570E-02
PSI(BOXER)	1.1496E-02	0.0	0.0	1.1496E-02	9.4420E-03	0.0	0.0	9.4420E-03
PSI(DANDE)	1.0664E-02	1.2031E-04	2.3013E-06	1.0787E-02	9.0010E-03	1.2753E-04	7.0082E-06	9.1356E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.0600E-02	1.1360E-04	8.2730E-10	1.0710E-02	9.2810E-03	1.1760E-04	2.7770E-09	9.3980E-03
TUBS(DATUBS5)	1.0420E-02	1.2790E-04	1.6190E-06	1.0550E-02	9.1710E-03	1.3630E-04	4.7060E-06	9.3120E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF AM241 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.6500E-03	6.2200E-05	1.2300E-06	1.7100E-03	1.4900E-03	7.3800E-05	4.4600E-06	1.5700E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.6548E-03	6.9520E-04	1.4921E-06	2.3512E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.8310E-03	7.6560E-05	1.5040E-06	1.9090E-03	1.6460E-03	9.0060E-05	5.8980E-06	1.8420E-03
HITACHI(J2)	1.7400E-03	7.8100E-05	1.6330E-06	1.8190E-03	1.5640E-03	9.1400E-05	5.8610E-06	1.6610E-03
IKE	1.6259E-03	6.0245E-05	2.0387E-06	1.6883E-03	1.4463E-03	7.3854E-05	7.8798E-06	1.5280E-03
JAERI(SRAC)	1.7753E-03	7.1349E-05	1.0866E-06	1.8477E-03	1.5782E-03	8.5338E-05	4.8144E-06	1.6683E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.7251E-03	5.3138E-05	1.4859E-06	1.7797E-03	1.5142E-03	6.4362E-05	5.5988E-06	1.5842E-03
KFK(1985LIB.)	1.7113E-03	5.2351E-05	1.2598E-06	1.7649E-03	1.5109E-03	6.3971E-05	4.8215E-06	1.5797E-03
MAPI-CRC	2.0340E-03	8.2570E-05	1.7760E-06	2.1180E-03	1.8230E-03	9.4760E-05	6.1860E-06	1.9240E-03
NAIG	1.7795E-03	6.9370E-04	1.9000E-06	2.4750E-03	1.5213E-03	7.0750E-04	7.4000E-06	2.2360E-03
PNC	2.1820E-03	8.1370E-05	1.8150E-06	2.2660E-03	1.9190E-03	9.9070E-05	7.4210E-06	2.0260E-03
PSI(BOXER)	1.8608E-03	6.9404E-04	1.4703E-06	2.5563E-03	1.6247E-03	7.0980E-04	5.5432E-06	2.3400E-03
PSI(DANDE)	1.5511E-03	6.1583E-05	2.0760E-06	1.6147E-03	1.3794E-03	7.7474E-05	8.0406E-06	1.4649E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.7120E-03	6.4050E-05	1.2320E-06	1.7770E-03	1.5530E-03	7.5500E-05	4.5520E-06	1.6330E-03
TUBS(DATUBS5)	1.6110E-03	5.7620E-05	2.0040E-06	1.6710E-03	1.4490E-03	7.0280E-05	7.2760E-06	1.5260E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF AM243 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.0400E-03	6.1600E-06	0.0	2.0500E-03	2.0400E-03	5.9900E-06	0.0	2.0500E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.7298E-03	0.0	0.0	1.7298E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	2.0330E-03	3.5270E-05	2.7580E-06	2.0710E-03	2.0040E-03	4.8500E-05	1.0430E-05	2.0600E-03
HITACHI(J2)	1.8800E-03	3.5070E-05	2.8300E-06	1.9180E-03	1.8540E-03	4.7580E-05	1.0270E-05	1.9110E-03
IKE	1.6269E-03	8.6720E-06	6.1441E-07	1.6362E-03	1.6177E-03	1.1512E-05	2.2618E-06	1.6315E-03
JAERI(SRAC)	1.9703E-03	3.2036E-05	1.9774E-06	2.0044E-03	1.9088E-03	4.4526E-05	8.4532E-06	1.9617E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.8142E-03	9.0759E-06	4.1989E-09	1.8234E-03	1.6751E-03	8.7723E-06	1.4063E-08	1.6840E-03
KFK(1985LIB.)	2.6844E-03	1.3379E-05	4.9373E-09	2.6978E-03	2.7420E-03	1.4318E-05	1.8699E-08	2.7564E-03
MAPI-CRC	1.8970E-03	3.0880E-05	2.4470E-06	1.9310E-03	1.9280E-03	4.2960E-05	8.6770E-06	1.9800E-03
NAIG	1.7522E-03	0.0	0.0	1.7520E-03	1.7301E-03	0.0	0.0	1.7300E-03
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	2.6300E-03	0.0	0.0	2.6300E-03	2.6686E-03	0.0	0.0	2.6686E-03
PSI(DANDE)	1.6878E-03	9.6572E-06	6.9011E-07	1.6982E-03	1.6712E-03	1.3103E-05	2.5541E-06	1.6869E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.7830E-03	0.0	0.0	1.7830E-03	1.8040E-03	0.0	0.0	1.8040E-03
TUBS(DATUBS5)	1.7660E-03	0.0	0.0	1.7660E-03	1.7780E-03	0.0	0.0	1.7780E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF CM244 (BURNUP=30GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.3200E-03	6.6600E-05	3.3000E-08	1.3900E-03	1.5400E-03	1.2000E-04	1.5400E-07	1.6600E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.3209E-03	1.2311E-04	7.0799E-08	1.4445E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.2000E-03	7.1840E-05	1.1550E-07	1.2720E-03	1.2880E-03	1.1640E-04	5.1000E-07	1.4050E-03
HITACHI(J2)	1.1020E-03	7.0490E-05	1.1900E-07	1.1730E-03	1.1780E-03	1.1450E-04	4.8160E-07	1.2930E-03
IKE	1.1599E-03	9.4904E-05	5.8386E-08	1.2549E-03	1.2732E-03	1.4755E-04	2.6128E-07	1.4211E-03
JAERI(SRAC)	1.1475E-03	6.6784E-05	9.1987E-08	1.2143E-03	1.2449E-03	1.1057E-04	4.4721E-07	1.3559E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.2266E-03	7.2573E-05	4.0205E-08	1.2992E-03	1.2836E-03	1.0985E-04	1.7159E-07	1.3937E-03
KFK(1985LIB.)	1.7644E-03	1.0343E-04	4.7322E-08	1.8679E-03	2.0677E-03	1.7508E-04	2.3143E-07	2.2430E-03
MAPI-CRC	1.1370E-03	6.7400E-05	9.4340E-08	1.2050E-03	1.2610E-03	1.1220E-04	4.0160E-07	1.3740E-03
NAIG	1.0673E-03	9.8500E-05	1.0000E-07	1.1660E-03	1.1743E-03	1.8120E-04	4.0000E-07	1.3560E-03
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	1.7372E-03	7.4974E-05	1.0197E-07	1.8123E-03	1.9663E-03	1.6649E-04	4.5658E-07	2.1332E-03
PSI(DANDE)	1.2076E-03	5.5590E-05	6.0121E-08	1.2633E-03	1.2913E-03	1.0910E-04	2.7036E-07	1.4007E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	9.7180E-04	9.5570E-05	6.6890E-08	1.0670E-03	1.1130E-03	1.6590E-04	2.8770E-07	1.2790E-03
TUBS(DATUBS5)	9.3140E-04	9.5410E-05	6.2040E-08	1.0270E-03	1.0660E-03	1.6420E-04	2.6700E-07	1.2310E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U235 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.0400E-03	3.2900E-03	1.7800E-05	6.3500E-03	2.6600E-03	4.8100E-03	7.6700E-05	7.5500E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.0060E-03	3.3980E-03	2.6130E-05	6.4300E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	3.0980E-03	3.6770E-03	2.4350E-05	6.7990E-03	2.7080E-03	5.2030E-03	9.7690E-05	8.0090E-03
HITACHI(J2)	3.0400E-03	3.8030E-03	2.2080E-05	6.8660E-03	2.6560E-03	5.4110E-03	9.5160E-05	8.1620E-03
IKE	3.0292E-03	3.5555E-03	2.1913E-05	6.6066E-03	2.6596E-03	5.2273E-03	9.2109E-05	7.9791E-03
JAERI(SRAC)	2.9831E-03	3.5631E-03	1.5072E-05	6.5611E-03	2.6539E-03	5.2062E-03	7.3235E-05	7.9333E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.0406E-03	3.1406E-03	1.4957E-05	6.1962E-03	2.6156E-03	4.4956E-03	6.2261E-05	7.1736E-03
KFK(1985LIB.)	3.0227E-03	3.0846E-03	1.2586E-05	6.1199E-03	2.6096E-03	4.4547E-03	5.3287E-05	7.1177E-03
MAPI-CRC	3.1250E-03	3.6590E-03	1.8570E-05	6.8030E-03	2.7510E-03	5.0910E-03	7.7660E-05	7.9190E-03
NAIG	3.0999E-03	3.3631E-03	2.0300E-05	6.4830E-03	2.6932E-03	5.0582E-03	8.7800E-05	7.8390E-03
PNC	3.4960E-03	3.3100E-03	1.9380E-05	6.8250E-03	3.0390E-03	4.8650E-03	9.0860E-05	7.9950E-03
PSI(BOXER)	3.1608E-03	3.3209E-03	1.6870E-05	6.4986E-03	2.7565E-03	4.8783E-03	7.2019E-05	7.7068E-03
PSI(DANDE)	3.0781E-03	3.6519E-03	1.9516E-05	6.7494E-03	2.6881E-03	5.4180E-03	8.4543E-05	8.1906E-03
STUDSVIK	0.0	0.0	0.0	6.7900E-03	0.0	0.0	0.0	8.1100E-03
TUBS(DATUBS4)	3.0780E-03	3.4440E-03	1.6280E-05	6.5380E-03	2.6720E-03	4.9590E-03	7.0000E-05	7.7010E-03
TUBS(DATUBS5)	3.0290E-03	3.4490E-03	1.5200E-05	6.4930E-03	2.6410E-03	4.9530E-03	6.5240E-05	7.6590E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U238 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.6900E-01	1.9600E-01	1.6300E-04	4.6500E-01	2.3700E-01	2.3100E-01	6.4300E-04	4.6800E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.7790E-01	1.8320E-01	2.9100E-05	4.6110E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	2.7190E-01	1.8090E-01	2.2720E-04	4.5310E-01	2.4060E-01	2.2070E-01	8.0630E-04	4.6200E-01
HITACHI(J2)	2.6840E-01	1.7800E-01	1.9520E-04	4.4650E-01	2.3650E-01	2.1890E-01	7.7820E-04	4.5610E-01
IKE	2.6937E-01	1.9394E-01	1.9194E-04	4.6349E-01	2.4213E-01	2.3023E-01	7.3306E-04	4.7308E-01
JAERI(SRAC)	2.6686E-01	1.9451E-01	1.4853E-04	4.6152E-01	2.3941E-01	2.2990E-01	6.4738E-04	4.6995E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.7516E-01	1.8739E-01	1.5040E-04	4.6270E-01	2.4489E-01	2.2349E-01	5.6872E-04	4.6895E-01
KFK(1985LIB.)	2.7447E-01	1.8494E-01	1.2183E-04	4.5955E-01	2.4541E-01	2.2250E-01	4.7146E-04	4.6838E-01
MAPI-CRC	2.6970E-01	1.7770E-01	1.7640E-04	4.4770E-01	2.4040E-01	2.2090E-01	6.5350E-04	4.6200E-01
NAIG	2.9434E-01	1.7646E-01	1.8460E-04	4.7098E-01	2.5643E-01	2.1007E-01	7.2970E-04	4.6724E-01
PNC	3.1210E-01	1.5760E-01	1.8390E-04	4.6990E-01	2.7490E-01	1.8670E-01	7.7100E-04	4.6240E-01
PSI(BOXER)	2.7202E-01	1.8664E-01	1.4987E-04	4.5881E-01	2.4237E-01	2.2102E-01	5.7726E-04	4.6397E-01
PSI(DANDE)	2.6472E-01	1.8963E-01	1.8348E-04	4.5453E-01	2.3403E-01	2.2782E-01	7.0542E-04	4.6255E-01
STUDSVIK	0.0	0.0	0.0	4.7797E-01	0.0	0.0	0.0	4.8416E-01
TUBS(DATUBS4)	2.7630E-01	1.9000E-01	1.7170E-04	4.6650E-01	2.4650E-01	2.2730E-01	6.4220E-04	4.7440E-01
TUBS(DATUBS5)	2.6980E-01	1.9050E-01	1.5860E-04	4.6050E-01	2.4110E-01	2.3060E-01	5.9320E-04	4.7230E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU239 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.4100E-01	1.3500E-01	1.0500E-03	2.7800E-01	8.7600E-02	1.4000E-01	4.1100E-03	2.3200E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.3730E-01	1.3450E-01	1.2900E-03	2.7310E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.3650E-01	1.3850E-01	1.3750E-03	2.7640E-01	8.4180E-02	1.4160E-01	5.1150E-03	2.3090E-01
HITACHI(J2)	1.3520E-01	1.4110E-01	1.3040E-03	2.7760E-01	8.2710E-02	1.4460E-01	4.6670E-03	2.3200E-01
IKE	1.3758E-01	1.3845E-01	1.2229E-03	2.7725E-01	8.5730E-02	1.4145E-01	4.7324E-03	2.3192E-01
JAERI(SRAC)	1.3619E-01	1.3735E-01	7.0379E-04	2.7425E-01	8.5202E-02	1.4306E-01	3.4485E-03	2.3171E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.3361E-01	1.2480E-01	9.6309E-04	2.5938E-01	8.1299E-02	1.2908E-01	3.6109E-03	2.1400E-01
KFK(1985LIB.)	1.3474E-01	1.2385E-01	8.6256E-04	2.5945E-01	8.2732E-02	1.2983E-01	3.2745E-03	2.1584E-01
MAPI-CRC	1.4140E-01	1.3720E-01	1.0950E-03	2.7970E-01	8.8720E-02	1.4240E-01	4.1010E-03	2.3530E-01
NAIG	1.3963E-01	1.3303E-01	1.1335E-03	2.7379E-01	8.5468E-02	1.4066E-01	4.5781E-03	2.3071E-01
PNC	1.4330E-01	1.3080E-01	1.1250E-03	2.7530E-01	8.7600E-02	1.4040E-01	4.6850E-03	2.3270E-01
PSI(BOXER)	1.4249E-01	1.3416E-01	1.0775E-03	2.7773E-01	8.7763E-02	1.4072E-01	4.1113E-03	2.3259E-01
PSI(DANDE)	1.4091E-01	1.3986E-01	1.1898E-03	2.8196E-01	8.6968E-02	1.4720E-01	4.6534E-03	2.3882E-01
STUDSVIK	0.0	0.0	0.0	2.7837E-01	0.0	0.0	0.0	2.3561E-01
TUBS(DATUBS4)	1.3560E-01	1.3990E-01	1.0260E-03	2.7650E-01	8.5370E-02	1.4900E-01	3.8570E-03	2.3820E-01
TUBS(DATUBS5)	1.3860E-01	1.3980E-01	9.8460E-04	2.7940E-01	8.7870E-02	1.4930E-01	3.7020E-03	2.4090E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU240 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.9300E-02	2.8400E-02	1.0400E-03	5.8700E-02	2.0500E-02	3.2100E-02	4.4800E-03	5.7100E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.8550E-02	2.6490E-02	1.7850E-03	5.6830E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	2.8930E-02	2.8150E-02	1.9040E-03	5.8990E-02	2.0480E-02	3.1440E-02	6.2460E-03	5.8170E-02
HITACHI(J2)	3.0050E-02	3.0180E-02	1.7750E-03	6.2000E-02	2.0920E-02	3.3820E-02	6.4710E-03	6.1210E-02
IKE	2.9579E-02	2.9994E-02	1.5614E-03	6.1135E-02	2.0863E-02	3.2972E-02	5.9144E-03	5.9750E-02
JAERI(SRAC)	3.0049E-02	2.9401E-02	1.0572E-03	6.0507E-02	2.1326E-02	3.2719E-02	4.9006E-03	5.8945E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.0213E-02	2.3209E-02	1.3273E-03	5.4749E-02	2.0687E-02	2.6593E-02	4.8754E-03	5.2156E-02
KFK(1985LIB.)	3.0748E-02	2.3163E-02	1.1830E-03	5.5094E-02	2.1191E-02	2.6835E-02	4.3543E-03	5.2381E-02
MAPI-CRC	3.0910E-02	2.8130E-02	1.5380E-03	6.0580E-02	2.1810E-02	3.1230E-02	5.4500E-03	5.8480E-02
NAIG	3.0299E-02	2.5691E-02	1.5500E-03	5.7540E-02	2.0967E-02	2.9237E-02	6.0076E-03	5.6211E-02
PNC	3.2030E-02	2.7280E-02	1.5650E-03	6.0870E-02	2.2060E-02	3.1060E-02	6.3290E-03	5.9450E-02
PSI(BOXER)	3.0952E-02	2.7409E-02	1.4540E-03	5.9815E-02	2.1736E-02	3.0418E-02	5.3714E-03	5.7525E-02
PSI(DANDE)	2.9439E-02	2.8331E-02	1.6083E-03	5.9379E-02	2.0298E-02	3.1146E-02	6.0254E-03	5.7470E-02
STUDSVIK	0.0	0.0	0.0	4.7890E-02	0.0	0.0	0.0	4.8490E-02
TUBS(DATUBS4)	2.8170E-02	2.7410E-02	1.7360E-03	5.7320E-02	1.9750E-02	3.0520E-02	6.0520E-03	5.6320E-02
TUBS(DATUBS5)	2.8760E-02	2.9140E-02	1.6360E-03	5.9540E-02	2.0210E-02	3.3000E-02	5.7120E-03	5.8910E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU241 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.3800E-02	3.7700E-02	2.3100E-04	7.1700E-02	3.0400E-02	5.7600E-02	1.1200E-03	8.9100E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.4780E-02	4.0800E-02	3.3630E-04	7.5920E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	3.4310E-02	4.1820E-02	3.1150E-04	7.6450E-02	3.0440E-02	6.1680E-02	1.4460E-03	9.3570E-02
HITACHI(J2)	3.5140E-02	4.0450E-02	3.0610E-04	7.5900E-02	3.0620E-02	5.9950E-02	1.4160E-03	9.1980E-02
IKE	3.4805E-02	3.8104E-02	2.9417E-04	7.3203E-02	3.0622E-02	5.7964E-02	1.3570E-03	8.9945E-02
JAERI(SRAC)	3.4580E-02	3.7555E-02	1.9541E-04	7.2330E-02	3.0767E-02	5.6506E-02	1.0490E-03	8.8320E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.3252E-02	3.3786E-02	2.1947E-04	6.7258E-02	2.9340E-02	5.1634E-02	1.0183E-03	8.1993E-02
KFK(1985LIB.)	3.2582E-02	3.2622E-02	1.8535E-04	6.5390E-02	2.9017E-02	5.0482E-02	8.8068E-04	8.0380E-02
MAPI-CRC	3.5670E-02	3.8390E-02	2.6790E-04	7.4330E-02	3.1440E-02	5.5490E-02	1.2040E-03	8.8130E-02
NAIG	3.5502E-02	3.6211E-02	2.7280E-04	7.1985E-02	3.1613E-02	5.7447E-02	1.3252E-03	9.0385E-02
PNC	3.6630E-02	3.7370E-02	2.8420E-04	7.4280E-02	3.2200E-02	5.8560E-02	1.4460E-03	9.2210E-02
PSI(BOXER)	3.6347E-02	3.8691E-02	2.5267E-04	7.5291E-02	3.2663E-02	5.9512E-02	1.1962E-03	9.3371E-02
PSI(DANDE)	3.5294E-02	3.9309E-02	2.9104E-04	7.4895E-02	3.1224E-02	6.1068E-02	1.3571E-03	9.3649E-02
STUDSVIK	0.0	0.0	0.0	6.8880E-02	0.0	0.0	0.0	8.9750E-02
TUBS(DATUBS4)	3.4560E-02	3.8980E-02	4.9880E-04	7.4040E-02	3.0500E-02	5.7890E-02	1.9920E-03	9.0390E-02
TUBS(DATUBS5)	3.5070E-02	3.6930E-02	5.2580E-04	7.2530E-02	3.0560E-02	5.4420E-02	2.0440E-03	8.7020E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU242 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.4100E-03	4.8900E-03	7.7700E-04	1.1100E-02	4.3900E-03	6.0300E-03	2.3200E-03	1.2700E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	5.4960E-03	5.3260E-03	9.8710E-04	1.1810E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	5.5270E-03	5.0480E-03	9.2780E-04	1.1500E-02	4.5910E-03	6.1080E-03	3.0790E-03	1.3780E-02
HITACHI(J2)	6.6780E-03	5.7600E-03	8.4400E-04	1.3280E-02	5.4250E-03	6.6660E-03	3.1900E-03	1.5280E-02
IKE	6.6068E-03	5.8238E-03	8.7321E-04	1.3304E-02	5.4530E-03	7.0789E-03	2.6980E-03	1.5230E-02
JAERI(SRAC)	6.4634E-03	5.7388E-03	7.1129E-04	1.2913E-02	5.3633E-03	6.9311E-03	2.4736E-03	1.4768E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.5649E-03	5.3780E-03	8.1024E-04	1.2753E-02	5.5859E-03	6.7892E-03	2.4769E-03	1.4852E-02
KFK(1985LIB.)	5.4611E-03	4.4555E-03	1.0653E-03	1.0982E-02	4.2926E-03	5.2961E-03	3.3031E-03	1.2892E-02
MAPI-CRC	6.9270E-03	5.6580E-03	7.1760E-04	1.3300E-02	5.6650E-03	6.5310E-03	2.2430E-03	1.4440E-02
NAIG	6.8149E-03	5.3025E-03	8.3930E-04	1.2957E-02	5.5516E-03	6.4142E-03	2.6289E-03	1.4595E-02
PNC	7.1220E-03	5.4920E-03	7.2590E-04	1.3340E-02	5.9290E-03	6.8210E-03	2.6090E-03	1.5360E-02
PSI(BOXER)	5.0314E-03	4.5729E-03	1.3090E-03	1.0913E-02	4.0243E-03	5.6143E-03	4.0314E-03	1.3670E-02
PSI(DANDE)	6.3857E-03	5.5441E-03	1.1345E-03	1.3064E-02	5.1424E-03	6.5332E-03	3.5714E-03	1.5247E-02
STUDSVIK	0.0	0.0	0.0	1.1250E-02	0.0	0.0	0.0	1.4680E-02
TUBS(DATUBS4)	5.9360E-03	4.9350E-03	8.1950E-04	1.1690E-02	4.8970E-03	6.3020E-03	2.4340E-03	1.3630E-02
TUBS(DATUBS5)	6.2770E-03	5.8080E-03	7.8420E-04	1.2870E-02	5.2060E-03	7.3620E-03	2.3440E-03	1.4910E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF AM241 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.7000E-03	3.2800E-03	1.2700E-04	6.1100E-03	2.1200E-03	4.2400E-03	4.8200E-04	6.8400E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.6180E-03	3.8020E-03	1.5930E-04	5.5790E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	3.2370E-03	3.8030E-03	1.4230E-04	7.1820E-03	2.5310E-03	4.7140E-03	5.2990E-04	7.7750E-03
HITACHI(J2)	3.1720E-03	3.8490E-03	1.3020E-04	7.1520E-03	2.4470E-03	4.7520E-03	5.1300E-04	7.7110E-03
IKE	3.0758E-03	3.4708E-03	1.5089E-04	6.6975E-03	2.3375E-03	4.3932E-03	5.7130E-04	7.3020E-03
JAERI(SRAC)	3.0629E-03	3.4993E-03	9.4733E-05	6.6568E-03	2.3985E-03	4.4107E-03	4.2731E-04	7.2364E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.8229E-03	3.1935E-03	1.2237E-04	6.1389E-03	2.1449E-03	3.9878E-03	4.5233E-04	6.5851E-03
KFK(1985LIB.)	2.8077E-03	3.1361E-03	1.0310E-04	6.0470E-03	2.1475E-03	3.9604E-03	3.8884E-04	6.4969E-03
MAPI-CRC	3.4780E-03	4.0190E-03	1.4950E-04	7.6740E-03	2.7090E-03	4.8810E-03	5.3630E-04	8.1260E-03
NAIG	1.6967E-03	3.7895E-03	1.7430E-04	5.6600E-03	1.3246E-03	5.0875E-03	6.6400E-04	7.0760E-03
PNC	3.6740E-03	3.9620E-03	1.6310E-04	7.8000E-03	2.8490E-03	5.1170E-03	6.6620E-04	8.6330E-03
PSI(BOXER)	1.7982E-03	3.8943E-03	1.4786E-04	5.8404E-03	1.4349E-03	5.0893E-03	5.4908E-04	7.0733E-03
PSI(DANDE)	3.0530E-03	3.4976E-03	1.4559E-04	6.6961E-03	2.3339E-03	4.5336E-03	5.5811E-04	7.4256E-03
STUDSVIK	0.0	0.0	0.0	4.1200E-03	0.0	0.0	0.0	4.8200E-03
TUBS(DATUBS4)	2.7750E-03	3.5000E-03	1.3280E-04	6.4080E-03	2.1520E-03	4.4530E-03	4.8540E-04	7.0910E-03
TUBS(DATUBS5)	3.0690E-03	3.3370E-03	1.2740E-04	6.5330E-03	2.3250E-03	4.1750E-03	4.6030E-04	6.9630E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF AM243 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.1800E-03	3.9500E-03	3.3900E-04	6.4600E-03	1.8700E-03	5.7200E-03	1.2500E-03	8.8400E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.9120E-03	3.8870E-03	3.8410E-04	6.1830E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	3.4400E-03	4.8390E-03	3.7580E-04	8.6550E-03	2.8840E-03	6.5970E-03	1.3090E-03	1.0790E-02
HITACHI(J2)	3.3420E-03	4.8430E-03	3.4660E-04	8.5310E-03	2.8090E-03	6.6780E-03	1.3760E-03	1.0860E-02
IKE	3.3081E-03	4.4763E-03	3.5987E-04	8.1443E-03	2.8115E-03	6.4037E-03	1.3660E-03	1.0581E-02
JAERI(SRAC)	3.2704E-03	4.4256E-03	2.4573E-04	7.9417E-03	2.7693E-03	6.1837E-03	1.0901E-03	1.0043E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.8009E-03	3.9015E-03	2.8832E-04	6.9908E-03	2.2671E-03	5.2601E-03	1.0354E-03	8.5628E-03
KFK(1985LIB.)	4.0618E-03	5.5814E-03	3.4827E-04	9.9918E-03	3.5766E-03	8.2091E-03	1.3349E-03	1.3121E-02
MAPI-CRC	3.1250E-03	4.2540E-03	3.0230E-04	7.6820E-03	2.7320E-03	5.9670E-03	1.1030E-03	9.8020E-03
NAIG	1.9321E-03	3.4984E-03	2.7450E-04	5.7050E-03	1.7072E-03	5.4246E-03	1.1201E-03	8.2520E-03
PNC	0.0	3.6960E-03	3.1880E-04	4.0150E-03	0.0	5.4150E-03	1.2900E-03	6.7050E-03
PSI(BOXER)	2.7521E-03	4.8096E-03	3.9488E-04	7.9566E-03	2.4665E-03	7.2149E-03	1.5010E-03	1.1182E-02
PSI(DANDE)	3.6103E-03	5.0107E-03	3.8876E-04	9.0098E-03	3.0326E-03	7.2211E-03	1.4700E-03	1.1724E-02
STUDSVIK	0.0	0.0	0.0	8.0000E-03	0.0	0.0	0.0	1.0910E-02
TUBS(DATUBS4)	2.0090E-03	3.7090E-03	2.0500E-04	5.9230E-03	1.7680E-03	5.4720E-03	7.9330E-04	8.0340E-03
TUBS(DATUBS5)	2.0240E-03	3.7870E-03	1.9710E-04	6.0090E-03	1.7780E-03	5.5390E-03	7.5960E-04	8.0760E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF CM244 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.5500E-03	1.2800E-03	8.5500E-07	2.8200E-03	1.6500E-03	2.4400E-03	3.8800E-06	4.0900E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.1640E-03	1.2170E-03	7.9990E-07	2.3820E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.2200E-03	1.3250E-03	1.3800E-06	2.5460E-03	1.2440E-03	2.3360E-03	5.5180E-06	3.5850E-03
HITACHI(J2)	1.1590E-03	1.3200E-03	1.2020E-06	2.4810E-03	1.1650E-03	2.3270E-03	5.3600E-06	3.4980E-03
IKE	1.2635E-03	1.1325E-03	1.1835E-06	2.3972E-03	1.3085E-03	2.3268E-03	5.1565E-06	3.6405E-03
JAERI(SRAC)	1.1642E-03	1.2350E-03	1.2753E-06	2.4005E-03	1.2118E-03	2.3123E-03	6.1858E-06	3.5303E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.2323E-03	1.1476E-03	8.9876E-07	2.3808E-03	1.2370E-03	2.0843E-03	3.7637E-06	3.3247E-03
KFK(1985LIB.)	1.7459E-03	1.5843E-03	1.0299E-06	3.3313E-03	1.9330E-03	3.1442E-03	4.8527E-06	5.0821E-03
MAPI-CRC	1.1210E-03	1.3050E-03	1.0050E-06	2.4270E-03	1.1860E-03	2.4660E-03	4.3270E-06	3.6560E-03
NAIG	9.3470E-04	1.0164E-03	8.0000E-07	1.9520E-03	1.0090E-03	2.1259E-03	3.9000E-06	3.1390E-03
PNC	0.0	1.2190E-03	9.2920E-07	1.2200E-03	0.0	2.4210E-03	4.2900E-06	2.4250E-03
PSI(BOXER)	1.4710E-03	1.3016E-03	1.0469E-06	2.7736E-03	1.6179E-03	2.5132E-03	4.8244E-06	4.1359E-03
PSI(DANDE)	1.2736E-03	8.5077E-04	1.1565E-06	2.1255E-03	1.2917E-03	1.9402E-03	5.0336E-06	3.2369E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	8.7090E-04	9.7250E-04	7.1770E-07	1.8440E-03	9.5850E-04	1.8460E-03	3.1820E-06	2.8080E-03
TUBS(DATUBS5)	8.3980E-04	9.6270E-04	6.6020E-07	1.8030E-03	9.2530E-04	1.8190E-03	2.9300E-06	2.7470E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF FP-TOTAL (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.7900E-02	3.8400E-02	5.4500E-04	5.6800E-02	1.4400E-02	5.6000E-02	1.8800E-03	7.2200E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.8555E-02	4.1212E-02	4.0110E-04	6.0168E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.6320E-02	4.0710E-02	5.7860E-04	5.7610E-02	1.3160E-02	5.6490E-02	1.9060E-03	7.1560E-02
HITACHI(J2)	1.6180E-02	4.1420E-02	5.0950E-04	5.8120E-02	1.3040E-02	5.7860E-02	1.8970E-03	7.2820E-02
IKE	1.3576E-02	3.4511E-02	5.3633E-04	4.8623E-02	1.1020E-02	5.1744E-02	1.9534E-03	6.4718E-02
JAERI(SRAC)	1.7071E-02	4.0474E-02	3.5038E-04	5.7895E-02	1.4139E-02	5.8796E-02	1.5356E-03	7.4469E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.0855E-02	2.5303E-02	3.5240E-04	3.6511E-02	8.7226E-03	3.7440E-02	1.2810E-03	4.7444E-02
KFK(1985LIB.)	1.4240E-02	3.1408E-02	3.4304E-04	4.5992E-02	1.1559E-02	4.5779E-02	1.2459E-03	5.8585E-02
MAPI-CRC	8.2300E-04	5.3040E-02	4.6590E-04	5.4330E-02	6.8660E-04	6.6660E-02	1.6060E-03	6.8950E-02
NAIG	1.6952E-02	3.9163E-02	5.2890E-04	5.6644E-02	1.3679E-02	5.9165E-02	2.1005E-03	7.4850E-02
PNC	6.9400E-04	4.9830E-02	4.5410E-04	5.0980E-02	5.7580E-04	6.7280E-02	1.7840E-03	6.9640E-02
PSI(BOXER)	1.5755E-02	4.2390E-02	2.9062E-04	5.8436E-02	1.2728E-02	6.1963E-02	1.0585E-03	7.5750E-02
PSI(DANDE)	1.7292E-02	4.2809E-02	5.3340E-04	6.0634E-02	1.3980E-02	6.2076E-02	1.9521E-03	7.8007E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.5310E-02	3.6100E-02	4.9010E-04	5.1900E-02	1.2430E-02	5.2720E-02	1.7160E-03	6.6860E-02
TUBS(DATUBS5)	1.5030E-02	3.5810E-02	4.5790E-04	5.1290E-02	1.2220E-02	5.1980E-02	1.6050E-03	6.5800E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U235 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.4400E-03	2.2800E-03	1.3100E-05	4.7400E-03	2.1600E-03	3.2800E-03	5.7600E-05	5.4900E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	2.4840E-03	2.5410E-03	1.7690E-05	5.0430E-03	2.1870E-03	3.5370E-03	7.2980E-05	5.7970E-03
HITACHI(J2)	2.4330E-03	2.5700E-03	1.5850E-05	5.0180E-03	2.1370E-03	3.5670E-03	6.9690E-05	5.7740E-03
IKE	2.4278E-03	2.4551E-03	1.5934E-05	4.8989E-03	2.1439E-03	3.5455E-03	6.8819E-05	5.7584E-03
JAERI(SRAC)	2.3899E-03	2.4290E-03	1.0430E-05	4.8293E-03	2.1365E-03	3.4575E-03	5.2670E-05	5.6466E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.4487E-03	2.1624E-03	1.0753E-05	4.6219E-03	2.1213E-03	3.0229E-03	4.6026E-05	5.1903E-03
KFK(1985LIB.)	2.4356E-03	2.1245E-03	9.0050E-06	4.5691E-03	2.1175E-03	2.9980E-03	3.9292E-05	5.1549E-03
MAPI-CRC	2.5140E-03	2.4930E-03	1.3280E-05	5.0210E-03	2.2250E-03	3.3860E-03	5.7150E-05	5.6680E-03
NAIG	2.5127E-03	2.4350E-03	1.4500E-05	4.9620E-03	2.1966E-03	3.5740E-03	6.4800E-05	5.8350E-03
PNC	2.8140E-03	2.4100E-03	1.3860E-05	5.2380E-03	2.4590E-03	3.4100E-03	6.6860E-05	5.9360E-03
PSI(BOXER)	2.5555E-03	2.3019E-03	1.2265E-05	4.8697E-03	2.2410E-03	3.3295E-03	5.4007E-05	5.6245E-03
PSI(DANDE)	2.4695E-03	2.5055E-03	1.4112E-05	4.9891E-03	2.1692E-03	3.6484E-03	6.2952E-05	5.8805E-03
STUDSVIK	0.0	0.0	0.0	5.1600E-03	0.0	0.0	0.0	5.9900E-03
TUBS(DATUBS4)	2.4670E-03	2.3970E-03	1.2460E-05	4.8760E-03	2.1570E-03	3.3900E-03	5.4610E-05	5.6020E-03
TUBS(DATUBS5)	2.4200E-03	2.3810E-03	1.1610E-05	4.8130E-03	2.1260E-03	3.3620E-03	5.0730E-05	5.5390E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U238 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.0200E-02	0.0	8.2000E-14	6.0200E-02	6.3200E-02	0.0	2.3000E-13	6.3200E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	5.8640E-02	1.4220E-05	2.0630E-11	5.8660E-02	6.1830E-02	1.6130E-05	7.1580E-11	6.1840E-02
HITACHI(J2)	6.1220E-02	2.8070E-05	1.7260E-10	6.1250E-02	6.3600E-02	3.1530E-05	7.0340E-10	6.3630E-02
IKE	6.4162E-02	2.6519E-05	1.6955E-10	6.4189E-02	6.7932E-02	3.1637E-05	6.6456E-10	6.7965E-02
JAERI(SRAC)	6.4418E-02	3.0642E-05	0.0	6.4449E-02	6.6193E-02	3.5805E-05	0.0	6.6229E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.2091E-02	0.0	0.0	6.2092E-02	6.4551E-02	0.0	0.0	6.4552E-02
KFK(1985LIB.)	6.2097E-02	0.0	0.0	6.2099E-02	6.4965E-02	0.0	0.0	6.4966E-02
MAPI-CRC	6.6950E-02	2.7450E-03	1.5630E-10	6.6980E-02	7.0100E-02	3.2850E-05	5.9080E-10	7.0130E-02
NAIG	6.6695E-02	2.6300E-05	0.0	6.6721E-02	6.7106E-02	3.2600E-05	0.0	6.7139E-02
PNC	6.3650E-02	0.0	0.0	6.3650E-02	6.6080E-02	0.0	0.0	6.6080E-02
PSI(BOXER)	6.5064E-02	2.5466E-05	1.2835E-10	6.5089E-02	6.7967E-02	2.9433E-05	4.6545E-10	6.7996E-02
PSI(DANDE)	5.9751E-02	2.7245E-05	1.6037E-10	5.9778E-02	6.3107E-02	3.2524E-05	6.3381E-10	6.3140E-02
STUDSVIK	0.0	0.0	0.0	6.9020E-02	0.0	0.0	0.0	7.1830E-02
TUBS(DATUBS4)	6.2370E-02	5.1480E-06	0.0	6.2370E-02	6.6820E-02	5.9320E-06	0.0	6.6830E-02
TUBS(DATUBS5)	6.3560E-02	3.1000E-05	1.2780E-10	6.3590E-02	6.7890E-02	3.5140E-05	4.9410E-10	6.7920E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU239 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2200E-01	7.4800E-02	7.4400E-04	1.9700E-01	7.6200E-02	7.8100E-02	2.8100E-03	1.5700E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.1760E-01	7.6960E-02	9.7400E-04	1.9560E-01	7.3130E-02	7.8900E-02	3.4970E-03	1.5550E-01
HITACHI(J2)	1.1600E-01	7.8560E-02	9.2350E-04	1.9550E-01	7.1460E-02	8.0620E-02	3.2350E-03	1.5530E-01
IKE	1.1787E-01	7.8321E-02	8.9346E-04	1.9708E-01	7.3900E-02	8.0815E-02	3.3303E-03	1.5805E-01
JAERI(SRAC)	1.1675E-01	7.5774E-02	5.1737E-04	1.9304E-01	7.3463E-02	7.9255E-02	2.4032E-03	1.5512E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.1705E-01	6.9561E-02	6.7999E-04	1.8729E-01	7.1590E-02	7.2265E-02	2.4674E-03	1.4632E-01
KFK(1985LIB.)	1.1811E-01	6.9083E-02	6.0237E-04	1.8780E-01	7.2895E-02	7.2721E-02	2.2229E-03	1.4784E-01
MAPI-CRC	1.2190E-01	7.6380E-02	7.8570E-04	1.9900E-01	7.6900E-02	7.9540E-02	2.8380E-03	1.5930E-01
NAIG	1.2140E-01	7.5267E-02	8.0540E-04	1.9747E-01	7.4843E-02	7.9936E-02	3.1344E-03	1.5791E-01
PNC	1.2410E-01	7.2820E-02	8.0570E-04	1.9780E-01	7.6230E-02	7.8580E-02	3.2360E-03	1.5800E-01
PSI(BOXER)	1.2398E-01	7.3444E-02	7.5276E-04	1.9818E-01	7.6792E-02	7.7671E-02	2.7919E-03	1.5725E-01
PSI(DANDE)	1.2094E-01	8.0016E-02	8.6444E-04	2.0182E-01	7.5096E-02	8.4742E-02	3.2617E-03	1.6310E-01
STUDSVIK	0.0	0.0	0.0	1.9908E-01	0.0	0.0	0.0	1.5993E-01
TUBS(DATUBS4)	1.1660E-01	7.7990E-02	7.1820E-04	1.9530E-01	7.4050E-02	8.3270E-02	2.6300E-03	1.5990E-01
TUBS(DATUBS5)	1.1810E-01	7.8770E-02	7.0580E-04	1.9760E-01	7.5520E-02	8.4410E-02	2.5730E-03	1.6250E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU240 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.7500E-02	1.2400E-03	2.0700E-07	1.8800E-02	1.3000E-02	1.1000E-03	8.8300E-07	1.4100E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.7220E-02	1.2550E-03	3.7590E-07	1.8470E-02	1.2950E-02	1.1150E-03	1.2270E-06	1.4070E-02
HITACHI(J2)	1.6970E-02	1.4410E-03	3.5950E-07	1.8420E-02	1.2540E-02	1.2850E-03	1.3030E-06	1.3820E-02
IKE	1.6972E-02	1.4350E-03	3.1786E-07	1.8408E-02	1.2676E-02	1.2583E-03	1.1922E-06	1.3936E-02
JAERI(SRAC)	1.7262E-02	1.4376E-03	2.1624E-07	1.8700E-02	1.2907E-02	1.2823E-03	9.8917E-07	1.4190E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.7372E-02	7.8795E-04	2.4981E-07	1.8160E-02	1.2533E-02	6.9298E-04	9.1022E-07	1.3227E-02
KFK(1985LIB.)	1.7746E-02	7.8982E-04	2.2193E-07	1.8536E-02	1.2883E-02	7.0348E-04	8.1150E-07	1.3588E-02
MAPI-CRC	1.8110E-02	1.2940E-03	3.1200E-07	1.9410E-02	1.3500E-02	1.1700E-03	1.0970E-06	1.4670E-02
NAIG	1.8105E-02	7.6370E-04	3.0000E-07	1.8869E-02	1.3226E-02	6.3580E-04	1.1000E-06	1.3863E-02
PNC	1.9250E-02	1.2350E-03	3.1780E-07	2.0490E-02	1.3860E-02	1.1320E-03	1.2730E-06	1.5000E-02
PSI(BOXER)	1.9361E-02	1.1746E-03	2.8627E-07	2.0536E-02	1.4211E-02	1.0590E-03	1.0515E-06	1.5271E-02
PSI(DANDE)	1.6815E-02	1.2888E-03	3.2557E-07	1.8104E-02	1.2245E-02	1.1723E-03	1.2096E-06	1.3418E-02
STUDSVIK	0.0	0.0	0.0	1.9010E-02	0.0	0.0	0.0	1.4290E-02
TUBS(DATUBS4)	1.6610E-02	1.1570E-03	3.3350E-07	1.7760E-02	1.2430E-02	1.0520E-03	1.1530E-06	1.3480E-02
TUBS(DATUBS5)	1.6020E-02	1.3280E-03	3.2720E-07	1.7350E-02	1.2090E-02	1.2340E-03	1.1370E-06	1.3320E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU241 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.9500E-02	2.9300E-02	1.9600E-04	5.9000E-02	2.6700E-02	4.5200E-02	9.2300E-04	7.2800E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	2.9840E-02	3.2540E-02	2.6440E-04	6.2650E-02	2.6580E-02	4.8310E-02	1.1830E-03	7.6070E-02
HITACHI(J2)	3.0140E-02	3.1520E-02	2.4660E-04	6.1900E-02	2.6330E-02	4.6310E-02	1.1250E-03	7.3760E-02
IKE	2.9830E-02	2.9671E-02	2.3843E-04	5.9740E-02	2.6298E-02	4.4768E-02	1.0762E-03	7.2143E-02
JAERI(SRAC)	2.9669E-02	2.9237E-02	1.6018E-04	5.9066E-02	2.6453E-02	4.3664E-02	8.3810E-04	7.0954E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.8905E-02	2.5642E-02	1.7642E-04	5.4724E-02	2.5595E-02	3.9018E-02	8.0004E-04	6.5414E-02
KFK(1985LIB.)	2.8332E-02	2.4760E-02	1.4745E-04	5.3241E-02	2.5321E-02	3.8151E-02	6.8642E-04	6.4160E-02
MAPI-CRC	3.0700E-02	2.9890E-02	2.1600E-04	6.0810E-02	2.7140E-02	4.2960E-02	9.5150E-04	7.1050E-02
NAIG	3.0504E-02	2.8214E-02	2.2180E-04	5.8939E-02	2.7229E-02	4.4480E-02	1.0542E-03	7.2763E-02
PNC	3.1530E-02	2.9070E-02	2.2900E-04	6.0830E-02	2.7780E-02	4.5280E-02	1.1420E-03	7.4210E-02
PSI(BOXER)	3.1798E-02	3.0083E-02	2.1121E-04	6.2092E-02	2.8671E-02	4.6635E-02	9.7409E-04	7.6280E-02
PSI(DANDE)	3.0317E-02	3.0580E-02	2.3271E-04	6.1129E-02	2.6896E-02	4.7258E-02	1.0664E-03	7.5219E-02
STUDSVIK	0.0	0.0	0.0	5.6140E-02	0.0	0.0	0.0	7.1810E-02
TUBS(DATUBS4)	3.0100E-02	3.0660E-02	3.7030E-04	6.1130E-02	2.6670E-02	4.5920E-02	1.4810E-03	7.4070E-02
TUBS(DATUBS5)	3.0060E-02	2.8900E-02	3.5210E-04	5.9320E-02	2.6270E-02	4.2470E-02	1.3940E-03	7.0130E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU242 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.5500E-03	0.0	0.0	3.5500E-03	3.0400E-03	0.0	0.0	3.0400E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	3.6010E-03	0.0	0.0	3.6010E-03	3.1640E-03	0.0	0.0	3.1640E-03
HITACHI(J2)	3.4890E-03	4.8910E-05	6.0990E-07	3.5380E-03	3.0450E-03	5.1720E-05	2.3040E-06	3.0990E-03
IKE	3.5143E-03	4.6667E-05	5.8481E-07	3.5616E-03	3.1070E-03	5.0394E-05	1.8073E-06	3.1592E-03
JAERI(SRAC)	3.4498E-03	4.7012E-05	5.0638E-07	3.4973E-03	3.0473E-03	5.0926E-05	1.7830E-06	3.1000E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.6503E-03	1.6534E-05	2.0937E-10	3.6669E-03	3.3022E-03	1.9177E-05	7.4259E-10	3.3215E-03
KFK(1985LIB.)	3.0497E-03	1.3654E-05	1.3992E-10	3.0635E-03	2.5479E-03	1.4848E-05	4.6784E-10	2.5628E-03
MAPI-CRC	3.7750E-03	4.2730E-05	5.2130E-07	3.8180E-03	3.2990E-03	4.6240E-05	1.6430E-06	3.3470E-03
NAIG	3.7701E-03	4.2400E-05	6.0000E-07	3.8130E-03	3.2785E-03	4.8400E-05	1.9000E-06	3.3290E-03
PNC	3.9990E-03	4.1730E-05	2.1480E-06	4.0430E-03	3.5100E-03	4.7430E-05	7.5140E-06	3.5650E-03
PSI(BOXER)	3.4307E-03	0.0	0.0	3.4307E-03	2.8659E-03	0.0	0.0	2.8659E-03
PSI(DANDE)	3.3676E-03	4.0761E-05	7.5948E-07	3.4091E-03	2.9021E-03	4.4808E-05	2.3912E-06	2.9493E-03
STUDSVIK	0.0	0.0	0.0	3.1500E-03	0.0	0.0	0.0	2.6500E-03
TUBS(DATUBS4)	3.2150E-03	3.8060E-05	2.5550E-10	3.2530E-03	2.8800E-03	4.0830E-05	9.0520E-10	2.9210E-03
TUBS(DATUBS5)	3.2670E-03	4.3560E-05	5.2500E-07	3.3110E-03	2.9490E-03	4.8280E-05	1.5690E-06	2.9990E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF AM241 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.7100E-04	2.7500E-05	4.6000E-07	6.9900E-04	6.0400E-04	3.2800E-05	1.7600E-06	6.3900E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	7.2770E-04	3.2880E-05	6.2470E-07	7.6120E-04	6.6030E-04	3.9190E-05	2.3760E-06	7.0190E-04
HITACHI(J2)	7.0010E-04	3.3300E-05	6.0140E-07	7.3400E-04	6.1920E-04	3.9440E-05	2.3780E-06	6.6100E-04
IKE	6.2427E-04	2.5021E-05	7.6731E-07	6.5006E-04	5.4678E-04	3.0664E-05	3.0739E-06	5.8053E-04
JAERI(SRAC)	7.0683E-04	3.0674E-05	4.1385E-07	7.3791E-04	6.2430E-04	3.6851E-05	1.9208E-06	6.6306E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	7.0095E-04	2.3572E-05	6.0017E-07	7.2514E-04	6.0662E-04	2.8549E-05	2.3484E-06	6.3753E-04
KFK(1985LIB.)	7.0180E-04	2.3152E-05	5.1111E-07	7.2548E-04	6.1162E-04	2.8348E-05	2.0283E-06	6.4201E-04
MAPI-CRC	8.1360E-04	3.5270E-05	6.7740E-07	8.4960E-04	7.2670E-04	4.0890E-05	2.4660E-06	7.7000E-04
NAIG	7.2180E-04	3.0280E-04	7.0000E-07	1.0250E-03	6.1310E-04	3.1050E-04	2.9000E-06	9.2700E-04
PNC	8.7880E-04	3.4980E-05	7.1180E-07	9.1450E-04	7.6700E-04	4.2820E-05	2.9980E-06	8.1290E-04
PSI(BOXER)	7.7876E-04	3.1059E-04	5.8945E-07	1.0899E-03	6.7538E-04	3.1995E-04	2.2987E-06	9.9763E-04
PSI(DANDE)	5.9077E-04	2.5242E-05	7.4511E-07	6.1676E-04	5.2309E-04	3.1830E-05	2.9947E-06	5.5792E-04
STUDSVIK	0.0	0.0	0.0	6.1000E-04	0.0	0.0	0.0	5.3000E-04
TUBS(DATUBS4)	6.9850E-04	2.8770E-05	5.0180E-07	7.2780E-04	6.2870E-04	3.4040E-05	1.9120E-06	6.6460E-04
TUBS(DATUBS5)	6.1920E-04	2.3990E-05	7.5530E-07	6.4390E-04	5.4940E-04	2.9200E-05	2.8040E-06	5.8140E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF AM243 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	7.5400E-04	2.5500E-06	0.0	7.5600E-04	7.3700E-04	2.4400E-06	0.0	7.4000E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	7.8050E-04	1.4790E-05	1.1030E-06	7.9640E-04	7.6620E-04	2.0160E-05	3.8180E-06	7.9020E-04
HITACHI(J2)	7.4390E-04	1.4800E-05	1.0090E-06	7.5970E-04	7.2290E-04	2.0410E-05	4.0000E-06	7.4730E-04
IKE	6.5241E-04	3.8608E-06	2.3713E-07	6.5651E-04	6.4390E-04	5.1770E-06	8.9683E-07	6.4999E-04
JAERI(SRAC)	7.6382E-04	1.3523E-05	7.2030E-07	7.7806E-04	7.3494E-04	1.8903E-05	3.1790E-06	7.5701E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	7.8170E-04	4.4424E-06	1.8716E-09	7.8616E-04	7.1925E-04	4.3305E-06	6.4451E-09	7.2360E-04
KFK(1985LIB.)	1.1417E-03	6.3690E-06	2.1726E-09	1.1481E-03	1.1429E-03	6.7814E-06	8.3048E-09	1.1498E-03
MAPI-CRC	7.4240E-04	1.3000E-05	8.7810E-07	7.5630E-04	7.4980E-04	1.8240E-05	3.1990E-06	7.7120E-04
NAIG	7.6370E-04	0.0	0.0	7.6400E-04	7.5130E-04	0.0	0.0	7.5100E-04
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	1.1050E-03	0.0	0.0	1.1050E-03	1.1018E-03	0.0	0.0	1.1018E-03
PSI(DANDE)	6.7683E-04	4.2591E-06	2.5490E-07	6.8134E-04	6.6279E-04	5.7683E-06	9.6147E-07	6.6952E-04
STUDSVIK	0.0	0.0	0.0	1.1100E-03	0.0	0.0	0.0	1.0700E-03
TUBS(DATUBS4)	7.6070E-04	0.0	0.0	7.6070E-04	7.6230E-04	0.0	0.0	7.6230E-04
TUBS(DATUBS5)	7.5860E-04	0.0	0.0	7.5860E-04	7.5600E-05	0.0	0.0	7.5760E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF CM244 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	7.4400E-04	3.9700E-05	1.8000E-08	7.8400E-04	8.6200E-04	7.1700E-05	8.6700E-08	9.3400E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	7.2970E-04	4.6310E-05	7.6800E-08	7.7610E-04	7.9010E-04	7.4220E-05	3.1830E-07	8.6480E-04
HITACHI(J2)	6.8380E-04	4.5910E-05	6.7100E-08	7.2980E-04	7.2570E-04	7.4190E-05	3.0760E-07	8.0020E-04
IKE	7.0809E-04	6.2370E-05	3.5794E-08	7.7050E-04	7.8034E-04	9.8691E-05	1.6787E-07	8.7922E-04
JAERI(SRAC)	6.9717E-04	4.3170E-05	5.5378E-08	7.4039E-04	7.6195E-04	7.2528E-05	2.8249E-07	8.3476E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	7.3251E-04	4.8954E-05	2.6726E-08	7.8151E-04	7.7594E-04	7.6642E-05	1.2040E-07	8.5270E-04
KFK(1985LIB.)	1.0419E-03	6.8205E-05	3.1100E-08	1.1102E-03	1.2173E-03	1.1755E-04	1.5787E-07	1.3350E-03
MAPI-CRC	6.8420E-04	4.2720E-05	5.6290E-08	7.2700E-04	7.6100E-04	7.2190E-05	2.4870E-07	8.3340E-04
NAIG	6.9740E-04	6.6000E-05	0.0	7.6400E-04	7.7640E-04	1.2220E-04	2.0000E-07	8.9900E-04
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	1.1082E-03	4.6022E-05	6.2060E-08	1.1543E-03	1.2534E-03	9.9213E-05	2.8563E-07	1.3529E-03
PSI(DANDE)	7.2683E-04	2.5005E-05	3.4518E-08	7.5187E-04	7.8016E-04	5.6350E-05	1.6200E-07	8.3667E-04
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	6.2820E-04	6.3810E-05	4.2550E-08	6.9210E-04	7.2110E-04	1.0870E-04	1.8840E-07	8.3000E-04
TUBS(DATUBS5)	6.0260E-04	6.3530E-05	3.9130E-08	6.6620E-04	6.9250E-04	1.0740E-04	1.7350E-07	8.0000E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U235 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.0600E-03	5.5300E-03	3.1600E-05	1.1600E-02	5.3600E-03	7.9300E-03	1.3900E-04	1.3400E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	6.0021E-03	5.6578E-03	4.6609E-05	1.1711E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	6.1520E-03	6.1470E-03	4.2820E-05	1.2340E-02	5.4350E-03	8.5570E-03	1.7670E-04	1.4170E-02
HITACHI(J2)	6.0350E-03	6.2410E-03	3.8490E-05	1.2310E-02	5.3180E-03	8.6640E-03	1.6930E-04	1.4150E-02
IKE	6.0329E-03	5.9824E-03	3.8827E-05	1.2054E-02	5.3449E-03	8.6394E-03	1.6769E-04	1.4152E-02
JAERI(SRAC)	5.9367E-03	5.9003E-03	2.5329E-05	1.1862E-02	5.3229E-03	8.3983E-03	1.2791E-04	1.3849E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.0863E-03	5.2401E-03	2.6056E-05	1.1353E-02	5.2888E-03	7.3250E-03	1.1153E-04	1.2726E-02
KFK(1985LIB.)	6.0536E-03	5.1481E-03	2.1821E-05	1.1224E-02	5.2794E-03	7.2646E-03	9.5214E-05	1.2639E-02
MAPI-CRC	6.2480E-03	6.0560E-03	3.2250E-05	1.2340E-02	5.5490E-03	8.2230E-03	1.3880E-04	1.3910E-02
NAIG	6.2501E-03	5.9333E-03	3.5400E-05	1.2219E-02	5.4783E-03	8.7088E-03	1.5790E-04	1.4345E-02
PNC	6.9980E-03	5.8720E-03	5.3710E-05	1.2900E-02	6.1320E-03	8.3070E-03	1.6260E-04	1.4600E-02
PSI(BOXER)	6.3445E-03	5.5684E-03	2.9667E-05	1.1943E-02	5.5830E-03	8.0539E-03	1.3064E-04	1.3767E-02
PSI(DANDE)	6.1313E-03	6.1051E-03	3.4386E-05	1.2271E-02	5.4023E-03	8.8900E-03	1.5340E-04	1.4446E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	6.1320E-03	5.8410E-03	3.0360E-05	1.2000E-02	5.3830E-03	8.2610E-03	1.3310E-04	1.3780E-02
TUBS(DATUBS5)	6.0120E-03	5.8030E-03	2.8280E-05	1.1840E-02	5.3000E-03	8.1930E-03	1.2360E-04	1.3620E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U238 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.6700E-01	0.0	1.9000E-13	1.6700E-01	1.7600E-01	0.0	5.4000E-13	1.7600E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.7613E-01	2.2172E-07	0.0	1.7613E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.6200E-01	3.3000E-05	4.7850E-11	1.6200E-01	1.7140E-01	3.7420E-05	1.6600E-10	1.7140E-01
HITACHI(J2)	1.6930E-01	6.5130E-05	4.0030E-10	1.6940E-01	1.7670E-01	7.3150E-05	1.6320E-09	1.7680E-01
IKE	1.7798E-01	6.1513E-05	3.9327E-10	1.7805E-01	1.8915E-01	7.3387E-05	1.5414E-09	1.8922E-01
JAERI(SRAC)	1.7898E-01	7.1074E-05	0.0	1.7905E-01	1.8454E-01	8.3047E-05	0.0	1.8462E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.7247E-01	0.0	0.0	1.7247E-01	1.7964E-01	0.0	0.0	1.7965E-01
KFK(1985LIB.)	1.7223E-01	0.0	0.0	1.7223E-01	1.8056E-01	0.0	0.0	1.8056E-01
MAPI-CRC	1.8650E-01	6.3690E-05	3.6250E-10	1.8650E-01	1.9600E-01	7.6210E-05	1.3700E-09	1.9600E-01
NAIG	1.8593E-01	8.1000E-06	0.0	1.8594E-01	1.8716E-01	7.9000E-06	0.0	1.8717E-01
PNC	1.7620E-01	0.0	0.0	1.7620E-01	1.8350E-01	0.0	0.0	1.8350E-01
PSI(BOXER)	1.8044E-01	5.9072E-05	2.9771E-10	1.8050E-01	1.8908E-01	6.8274E-05	1.0796E-09	1.8915E-01
PSI(DANDE)	1.6567E-01	6.3202E-05	3.7164E-10	1.6574E-01	1.7565E-01	7.5449E-05	1.4688E-09	1.7572E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.7440E-01	1.1940E-05	0.0	1.7440E-01	1.8740E-01	1.3760E-05	0.0	1.8740E-01
TUBS(DATUBS5)	1.7680E-01	7.1920E-05	2.9640E-10	1.7690E-01	1.8950E-01	8.1510E-05	1.1460E-09	1.8950E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU239 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.6100E-01	2.1500E-01	2.1400E-03	5.7800E-01	2.2700E-01	2.2400E-01	8.0700E-03	4.5900E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.5205E-01	2.1906E-01	2.6086E-03	5.7367E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	3.4800E-01	2.2120E-01	2.7990E-03	5.7190E-01	2.1730E-01	2.2670E-01	1.0050E-02	4.5400E-01
HITACHI(J2)	3.4410E-01	2.2630E-01	2.6600E-03	5.7310E-01	2.1280E-01	2.3230E-01	9.3170E-03	4.5440E-01
IKE	3.4807E-01	2.2262E-01	2.5612E-03	5.7325E-01	2.1916E-01	2.2938E-01	9.5503E-03	4.5811E-01
JAERI(SRAC)	3.4689E-01	2.1821E-01	1.4904E-03	5.6659E-01	2.1910E-01	2.2824E-01	6.9227E-03	4.5426E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.4834E-01	2.0068E-01	1.9621E-03	5.5099E-01	2.1392E-01	2.0847E-01	7.1186E-03	4.2951E-01
KFK(1985LIB.)	3.5150E-01	1.9930E-01	1.7380E-03	5.5254E-01	2.1782E-01	2.0979E-01	6.4129E-03	4.3402E-01
MAPI-CRC	3.6210E-01	2.2000E-01	2.2630E-03	5.8440E-01	2.2950E-01	2.2910E-01	8.1750E-03	4.6680E-01
NAIG	3.6112E-01	2.1676E-01	2.3240E-03	5.8021E-01	2.2344E-01	2.3020E-01	9.0481E-03	4.6270E-01
PNC	3.6830E-01	2.0980E-01	2.3210E-03	5.8040E-01	2.2700E-01	2.2630E-01	9.3210E-03	4.6270E-01
PSI(BOXER)	3.6774E-01	2.1104E-01	2.1629E-03	5.8094E-01	2.2867E-01	2.2319E-01	8.0219E-03	4.5988E-01
PSI(DANDE)	3.5674E-01	2.2737E-01	2.4781E-03	5.8659E-01	2.2241E-01	2.4048E-01	9.3538E-03	4.7225E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.4570E-01	2.2410E-01	2.0640E-03	5.7190E-01	2.2060E-01	2.3930E-01	7.5570E-03	4.6750E-01
TUBS(DATUBS5)	3.4870E-01	2.2390E-01	2.0230E-03	5.7470E-01	2.2400E-01	2.3960E-01	7.3780E-03	4.7090E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU240 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.4200E-02	3.5600E-03	5.9400E-07	5.7800E-02	4.0500E-02	3.1500E-03	2.5300E-06	4.3700E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	5.3535E-02	3.1148E-03	9.0667E-07	5.6650E-02	0.0	0.0	0.0	0.0
HITACHI(84)	5.3180E-02	3.6020E-03	1.0790E-06	5.6780E-02	4.0180E-02	3.1990E-03	3.5210E-06	4.3380E-02
HITACHI(J2)	5.1170E-02	4.0120E-03	1.0010E-06	5.5190E-02	3.8000E-02	3.5770E-03	3.6280E-06	4.1590E-02
IKE	5.1290E-02	3.9953E-03	8.8487E-07	5.5286E-02	3.8527E-02	3.5031E-03	3.3189E-06	4.2034E-02
JAERI(SRAC)	5.2213E-02	4.0023E-03	6.0197E-07	5.6216E-02	3.9204E-02	3.5699E-03	2.7536E-06	4.2776E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.4320E-02	2.2698E-03	7.1925E-07	5.6591E-02	3.9379E-02	1.9961E-03	2.6204E-06	4.1378E-02
KFK(1985LIB.)	5.5460E-02	2.2752E-03	6.3894E-07	5.7737E-02	4.0462E-02	2.0264E-03	2.3362E-06	4.2492E-02
MAPI-CRC	5.4750E-02	3.6030E-03	8.6860E-07	5.8350E-02	4.1030E-02	3.2570E-03	3.0540E-06	4.4290E-02
NAIG	5.5151E-02	2.1411E-03	8.0000E-07	5.7292E-02	4.0408E-02	1.7824E-03	3.1000E-06	4.2193E-02
PNC	5.7780E-02	3.4400E-03	8.8470E-07	6.1220E-02	4.1810E-02	3.1510E-03	3.5450E-06	4.4970E-02
PSI(BOXER)	5.9879E-02	3.3712E-03	8.2154E-07	6.3251E-02	4.4150E-02	3.0393E-03	3.0175E-06	4.7192E-02
PSI(DANDE)	5.0628E-02	3.5882E-03	9.0632E-07	5.4217E-02	3.7093E-02	3.2638E-03	3.3672E-06	4.0360E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	5.1710E-02	3.3200E-03	9.5690E-07	5.5030E-02	3.8890E-02	3.0190E-03	3.3080E-06	4.1910E-02
TUBS(DATUBS5)	4.8590E-02	3.6960E-03	9.1090E-07	5.2290E-02	3.6860E-02	3.4350E-03	3.1650E-06	4.0300E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU241 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	8.8400E-02	8.6000E-02	5.7600E-04	1.7500E-01	8.0300E-02	1.3300E-01	2.7100E-03	2.1500E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	9.1159E-02	9.3946E-02	8.2603E-04	1.8596E-01	0.0	0.0	0.0	0.0
HITACHI(84)	8.9490E-02	9.5420E-02	7.7520E-04	1.8570E-01	7.9970E-02	1.4170E-01	3.4690E-03	2.2510E-01
HITACHI(J2)	9.0270E-02	9.2430E-02	7.2310E-04	1.8340E-01	7.9110E-02	1.3580E-01	3.2980E-03	2.1820E-01
IKE	8.9439E-02	8.7011E-02	6.9915E-04	1.7715E-01	7.9102E-02	1.3128E-01	3.1557E-03	2.1354E-01
JAERI(SRAC)	8.8968E-02	8.5737E-02	4.6969E-04	1.7517E-01	7.9540E-02	1.2804E-01	2.4576E-03	2.1004E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	8.6558E-02	7.5018E-02	5.1568E-04	1.6209E-01	7.6882E-02	1.1414E-01	2.3385E-03	1.9337E-01
KFK(1985LIB.)	8.4843E-02	7.2440E-02	4.3099E-04	1.5772E-01	7.6062E-02	1.1161E-01	2.0064E-03	1.8968E-01
MAPI-CRC	9.2130E-02	8.7670E-02	6.3340E-04	1.8040E-01	8.1710E-02	1.2600E-01	2.7900E-03	2.1050E-01
NAIG	9.1568E-02	8.2738E-02	6.5040E-04	1.7496E-01	8.1966E-02	1.3044E-01	3.0912E-03	2.1549E-01
PNC	9.4560E-02	8.5250E-02	6.7150E-04	1.8050E-01	8.3550E-02	1.3280E-01	3.3490E-03	2.1970E-01
PSI(BOXER)	9.5562E-02	8.8221E-02	6.1934E-04	1.8440E-01	8.6443E-02	1.3675E-01	2.8563E-03	2.2605E-01
PSI(DANDE)	9.0825E-02	8.9675E-02	6.8238E-04	1.8118E-01	8.0823E-02	1.3858E-01	3.1269E-03	2.2253E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	9.0370E-02	8.9910E-02	1.0860E-03	1.8140E-01	8.0400E-02	1.3460E-01	4.3430E-03	2.1940E-01
TUBS(DATUBS5)	9.0080E-02	8.4760E-02	1.0320E-03	1.7590E-01	7.9020E-02	1.2450E-01	4.0870E-03	2.0760E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU242 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.0900E-02	0.0	0.0	1.0900E-02	9.3500E-03	0.0	0.0	9.3500E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.1158E-02	0.0	0.0	1.1158E-02	0.0	0.0	0.0	0.0
HITACHI(84)	1.0990E-02	0.0	0.0	1.0990E-02	9.7000E-03	0.0	0.0	9.7000E-03
HITACHI(J2)	1.0660E-02	1.3730E-04	1.7130E-06	1.0790E-02	9.3410E-03	1.4520E-04	6.4690E-06	9.4920E-03
IKE	1.0757E-02	1.3105E-04	1.6421E-06	1.0889E-02	9.5549E-03	1.4152E-04	5.0750E-06	9.7016E-03
JAERI(SRAC)	1.0567E-02	1.3202E-04	1.4219E-06	1.0701E-02	9.3652E-03	1.4301E-04	5.0067E-06	9.5131E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.1539E-02	4.7645E-05	6.0337E-10	1.1586E-02	1.0479E-02	5.5261E-05	2.1400E-09	1.0534E-02
KFK(1985LIB.)	9.6338E-03	3.9347E-05	4.0324E-10	9.6734E-03	8.0807E-03	4.2787E-05	1.3483E-09	8.1237E-03
MAPI-CRC	1.1560E-02	1.2000E-04	1.4640E-06	1.1680E-02	1.0140E-02	1.2990E-04	4.6120E-06	1.0280E-02
NAIG	1.1540E-02	1.1900E-04	1.7000E-06	1.1661E-02	1.0056E-02	1.3580E-04	5.4000E-06	1.0197E-02
PNC	1.2150E-02	1.1720E-04	6.0330E-06	1.2270E-02	1.0710E-02	1.3320E-04	2.1100E-05	1.0860E-02
PSI(BOXER)	1.0483E-02	0.0	0.0	1.0483E-02	8.7975E-03	0.0	0.0	8.7975E-03
PSI(DANDE)	1.0272E-02	1.1447E-04	2.1326E-06	1.0389E-02	8.8984E-03	1.2583E-04	6.7145E-06	9.0309E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	9.9720E-03	1.0700E-04	7.1780E-10	1.0080E-02	8.9730E-03	1.1480E-04	2.5440E-09	9.0880E-03
TUBS(DATUBS5)	1.0030E-02	1.2230E-04	1.4740E-06	1.0150E-02	9.0890E-03	1.3560E-04	4.4070E-06	9.2290E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF AM241 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.2900E-03	8.5000E-05	1.4200E-06	2.3800E-03	2.0700E-03	1.0100E-04	5.4400E-06	2.1800E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.2582E-03	9.3700E-04	1.8023E-06	3.1968E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	2.5600E-03	1.0600E-04	2.0140E-06	2.6680E-03	2.3300E-03	1.2630E-04	7.6600E-06	2.4640E-03
HITACHI(J2)	2.4700E-03	1.0730E-04	1.9390E-06	2.5790E-03	2.1940E-03	1.2710E-04	7.6670E-06	2.3280E-03
IKE	2.2852E-03	8.3327E-05	2.5551E-06	2.3711E-03	2.0102E-03	1.0212E-04	1.0236E-05	2.1226E-03
JAERI(SRAC)	2.5012E-03	9.8886E-05	1.3340E-06	2.6014E-03	2.2157E-03	1.1880E-04	6.1918E-06	2.3407E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.4229E-03	7.3428E-05	1.8667E-06	2.4982E-03	2.1047E-03	8.8931E-05	7.3041E-06	2.2009E-03
KFK(1985LIB.)	2.4238E-03	7.2119E-05	1.5897E-06	2.4975E-03	2.1205E-03	8.8307E-05	6.3086E-06	2.2152E-03
MAPI-CRC	2.8800E-03	1.1370E-04	2.1840E-06	2.9950E-03	2.5820E-03	1.3180E-04	7.9490E-06	2.7220E-03
NAIG	2.4343E-03	9.3570E-04	2.3000E-06	3.3720E-03	2.0758E-03	9.5960E-04	9.1000E-06	3.0450E-03
PNC	3.0860E-03	1.1280E-04	2.2950E-06	3.2010E-03	2.7050E-03	1.3800E-04	9.6650E-06	2.8520E-03
PSI(BOXER)	2.6186E-03	9.5983E-04	1.8214E-06	3.5802E-03	2.2834E-03	9.8872E-04	7.1030E-06	3.2792E-03
PSI(DANDE)	2.1574E-03	8.4063E-05	2.4812E-06	2.2439E-03	1.9187E-03	1.0600E-04	9.9722E-06	2.0347E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.3940E-03	8.8910E-05	1.5500E-06	2.4840E-03	2.1640E-03	1.0520E-04	5.9090E-06	2.2750E-03
TUBS(DATUBS5)	2.2690E-03	7.9890E-05	2.5150E-06	2.3510E-03	2.0210E-03	9.7250E-05	9.3370E-06	2.1270E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF AM243 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.7600E-03	8.3300E-06	0.0	2.7700E-03	2.7100E-03	8.0000E-06	0.0	2.7200E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.4242E-03	0.0	0.0	2.4242E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	2.7610E-03	4.7460E-05	3.5410E-06	2.8120E-03	2.7190E-03	6.4720E-05	1.2260E-05	2.7960E-03
HITACHI(J2)	2.6410E-03	4.7490E-05	3.2370E-06	2.6910E-03	2.5770E-03	6.5510E-05	1.2840E-05	2.6550E-03
IKE	2.2518E-03	1.1835E-05	7.2661E-07	2.2644E-03	2.2332E-03	1.5869E-05	2.7480E-06	2.2518E-03
JAERI(SRAC)	2.7201E-03	4.3403E-05	2.3118E-06	2.7658E-03	2.6248E-03	6.0670E-05	1.0203E-05	2.6957E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.4933E-03	1.2443E-05	5.2406E-09	2.5058E-03	2.3038E-03	1.2130E-05	1.8046E-08	2.3160E-03
KFK(1985LIB.)	3.6380E-03	1.7840E-05	6.0833E-09	3.6559E-03	3.6578E-03	1.8995E-05	2.3253E-08	3.6769E-03
MAPI-CRC	2.6450E-03	4.1730E-05	2.8180E-06	2.6890E-03	2.6810E-03	5.8540E-05	1.0270E-05	2.7500E-03
NAIG	2.5401E-03	0.0	0.0	2.5400E-03	2.5013E-03	0.0	0.0	2.5010E-03
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	3.6861E-03	0.0	0.0	3.6861E-03	3.6876E-03	0.0	0.0	3.6876E-03
PSI(DANDE)	2.3304E-03	1.3056E-05	7.8104E-07	2.3442E-03	2.2938E-03	1.7681E-05	2.9460E-06	2.3144E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.5500E-03	0.0	0.0	2.5500E-03	2.5640E-03	0.0	0.0	2.5640E-03
TUBS(DATUBS5)	2.5480E-03	0.0	0.0	2.5480E-03	2.5550E-03	0.0	0.0	2.5550E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF CM244 (BURNUP=50GWD/T VOID=90%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.7900E-03	1.3700E-04	6.2300E-08	2.9300E-03	3.2500E-03	2.4800E-04	3.0000E-07	3.5000E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.9447E-03	2.6404E-04	1.4672E-07	3.2090E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	2.5630E-03	1.5010E-04	2.4880E-07	2.7130E-03	2.7870E-03	2.4050E-04	1.0310E-06	3.0280E-03
HITACHI(J2)	2.4080E-03	1.4880E-04	2.1740E-07	2.5570E-03	2.5680E-03	2.4040E-04	9.9650E-07	2.8100E-03
IKE	2.5082E-03	2.0210E-04	1.1597E-07	2.7105E-03	2.7801E-03	3.1978E-04	5.4391E-07	3.1005E-03
JAERI(SRAC)	2.4629E-03	1.3989E-04	1.7942E-07	2.6029E-03	2.7021E-03	2.3501E-04	9.1526E-07	2.9380E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.5846E-03	1.4971E-04	7.7162E-08	2.7344E-03	2.7501E-03	2.3065E-04	3.4757E-07	2.9812E-03
KFK(1985LIB.)	3.6739E-03	2.0859E-04	8.9784E-08	3.8827E-03	4.3121E-03	3.5386E-04	4.5571E-07	4.6665E-03
MAPI-CRC	2.4140E-03	1.3840E-04	1.8240E-07	2.5530E-03	2.6990E-03	2.3390E-04	8.0570E-07	2.9340E-03
NAIG	2.3928E-03	2.1330E-04	2.0000E-07	2.6060E-03	2.6709E-03	3.9480E-04	7.0000E-07	3.0660E-03
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	3.7906E-03	1.4866E-04	2.0045E-07	3.9394E-03	4.3055E-03	3.2046E-04	9.2258E-07	4.6269E-03
PSI(DANDE)	2.5656E-03	1.1092E-04	1.1184E-07	2.6767E-03	2.7710E-03	2.1628E-04	5.2487E-07	2.9878E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.1600E-03	2.0610E-04	1.3740E-07	2.3670E-03	2.4920E-03	3.5100E-04	6.0850E-07	2.8430E-03
TUBS(DATUBS5)	2.0750E-03	2.0520E-04	1.2640E-07	2.2810E-03	2.3970E-03	3.4690E-04	5.6030E-07	2.7440E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U235 (BURN-UP=0GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	8.8200E-03	3.5800E-03	1.5200E-06	1.2400E-02	9.1600E-03	4.1900E-03	4.2900E-06	1.3300E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	8.6970E-03	3.6320E-03	1.9560E-06	1.2330E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	8.8030E-03	3.8900E-03	2.1370E-06	1.2690E-02	9.1250E-03	4.4660E-03	4.1510E-06	1.3600E-02
HITACHI(J2)	8.7190E-03	4.2390E-03	1.7810E-06	1.2960E-02	9.0340E-03	4.8690E-03	4.0760E-06	1.3910E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	8.4835E-03	4.1144E-03	5.3287E-07	1.2598E-02	8.9904E-03	4.6852E-03	1.8536E-06	1.3677E-02
JAERI(VIM)	8.6877E-03	4.0082E-03	2.1066E-06	1.2698E-02	9.2022E-03	4.6843E-03	2.5501E-06	1.3889E-02
KFK(NEWEST)	8.2702E-03	3.2292E-03	1.1787E-06	1.1501E-02	8.5885E-03	3.7037E-03	3.1003E-06	1.2295E-02
KFK(1985LIB.)	8.2688E-03	3.2274E-03	1.0012E-06	1.1497E-02	8.5992E-03	3.7146E-03	2.6373E-06	1.2317E-02
MAPI-CRC	8.6550E-03	4.2520E-03	1.2310E-06	1.2910E-02	9.0720E-03	4.6560E-03	2.9960E-06	1.3730E-02
NAIG	8.5359E-03	3.3426E-03	1.5000E-06	1.1880E-02	8.7935E-03	4.1559E-03	4.4000E-06	1.2954E-02
PNC	9.4380E-03	3.3080E-03	1.1120E-06	1.2750E-02	9.7780E-03	3.9930E-03	3.2510E-06	1.3770E-02
PSI(BOXER)	8.7500E-03	3.2790E-03	1.4206E-06	1.2480E-02	9.1356E-03	4.2910E-03	3.7871E-06	1.3430E-02
PSI(DANDE)	8.5958E-03	3.9950E-03	1.7235E-06	1.2593E-02	8.9573E-03	4.7926E-03	5.0333E-06	1.3755E-02
STUDSVIK	0.0	0.0	0.0	1.2290E-02	0.0	0.0	0.0	1.3430E-02
TUBS(DATUBS4)	8.5400E-03	3.7790E-03	1.3010E-06	1.2320E-02	8.8520E-03	4.5750E-03	3.5820E-06	1.3430E-02
TUBS(DATUBS5)	8.2600E-03	3.9820E-03	1.3110E-06	1.2240E-02	8.5540E-03	4.8360E-03	3.6510E-06	1.3390E-02
VA.TECH	8.7642E-03	3.4475E-03	1.6541E-06	1.2213E-02	9.2480E-03	4.1054E-03	1.2487E-06	1.3355E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U238 (BURN-UP=0GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.9600E-01	1.3900E-01	7.6500E-06	5.3500E-01	4.1100E-01	1.5000E-01	2.1700E-05	5.6100E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.9960E-01	1.3330E-01	7.5080E-07	5.3290E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	3.9450E-01	1.3050E-01	1.1240E-05	5.2500E-01	4.1120E-01	1.4630E-01	2.3440E-05	5.5750E-01
HITACHI(J2)	3.8470E-01	1.2980E-01	8.4280E-06	5.1450E-01	4.0040E-01	1.4640E-01	2.2380E-05	5.4690E-01
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	3.8156E-01	1.4206E-01	2.8956E-06	5.2362E-01	4.0491E-01	1.4863E-01	9.9853E-06	5.5356E-01
JAERI(VIM)	3.8689E-01	1.4085E-01	5.8885E-06	5.2775E-01	4.1102E-01	1.5050E-01	1.1434E-05	5.6154E-01
KFK(NEWEST)	3.9255E-01	1.2959E-01	6.8089E-06	5.2215E-01	4.1216E-01	1.4120E-01	1.7818E-05	5.5338E-01
KFK(1985LIB.)	3.9136E-01	1.2931E-01	5.4541E-06	5.2068E-01	4.1148E-01	1.4162E-01	1.4308E-05	5.5312E-01
MAPI-CRC	3.7790E-01	1.3150E-01	6.7230E-06	5.0940E-01	4.0070E-01	1.4500E-01	1.6210E-05	5.4570E-01
NAIG	4.2043E-01	1.1781E-01	7.8000E-06	5.3825E-01	4.3168E-01	1.2977E-01	2.3000E-05	5.6148E-01
PNC	4.3220E-01	1.1140E-01	5.9660E-06	5.4360E-01	4.5130E-01	1.2030E-01	1.7340E-05	5.7160E-01
PSI(BOXER)	3.8448E-01	1.3469E-01	7.0780E-06	5.1918E-01	4.0421E-01	1.4429E-01	1.8787E-05	5.4852E-01
PSI(DANDE)	3.8430E-01	1.3561E-01	9.5578E-06	5.1992E-01	4.0454E-01	1.4819E-01	2.7731E-05	5.5276E-01
STUDSVIK	0.0	0.0	0.0	5.3881E-01	0.0	0.0	0.0	5.7757E-01
TUBS(DATUBS4)	3.1920E-01	1.3510E-01	7.8900E-06	5.2720E-01	4.0830E-01	1.5140E-01	2.1360E-05	5.5980E-01
TUBS(DATUBS5)	3.8280E-01	1.3760E-01	7.9370E-06	5.2040E-01	3.9820E-01	1.5470E-01	2.1740E-05	5.5290E-01
VA.TECH	3.9598E-01	1.3783E-01	4.2804E-06	5.3381E-01	4.2128E-01	1.5072E-01	6.1172E-06	5.7201E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU239 (BURN-UP=0GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.1700E-01	7.6400E-02	3.4900E-05	2.9400E-01	1.9400E-01	7.7000E-02	8.7900E-05	2.7100E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.1440E-01	7.7370E-02	3.7060E-05	2.9180E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	2.1680E-01	8.1520E-02	3.9170E-05	2.9830E-01	1.9310E-01	8.0860E-02	7.4820E-05	2.7400E-01
HITACHI(J2)	2.1570E-01	8.6190E-02	4.2820E-05	3.0190E-01	1.9200E-01	8.5980E-02	7.4410E-05	2.7800E-01
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	2.1136E-01	8.4030E-02	7.5599E-06	2.9540E-01	1.9205E-01	8.2662E-02	2.5675E-05	2.7474E-01
JAERI(VIM)	2.1573E-01	8.2136E-02	1.2278E-05	2.9788E-01	1.9599E-01	8.3396E-02	6.0868E-05	2.7945E-01
KFK(NEWEST)	2.0360E-01	6.9928E-02	3.1160E-05	2.7356E-01	1.8205E-01	6.8925E-02	7.2544E-05	2.5105E-01
KFK(1985LIB.)	2.0340E-01	6.9825E-02	2.7794E-05	2.7326E-01	1.8213E-01	6.9128E-02	6.4883E-05	2.5133E-01
MAPI-CRC	2.1840E-01	8.4790E-02	3.0250E-05	3.0320E-01	1.9630E-01	8.0880E-02	6.4580E-05	2.7730E-01
NAIG	2.1494E-01	7.3160E-02	3.2200E-05	2.8813E-01	1.9045E-01	7.8346E-02	8.8200E-05	2.6888E-01
PNC	2.2330E-01	6.8800E-02	2.9640E-05	2.9210E-01	1.9840E-01	7.2430E-02	7.5470E-05	2.7090E-01
PSI(BOXER)	2.2075E-01	8.1544E-02	3.6378E-05	3.0233E-01	1.9789E-01	8.0668E-02	8.5968E-05	2.7864E-01
PSI(DANDE)	2.1985E-01	8.5089E-02	3.8217E-05	3.0498E-01	1.9635E-01	8.6640E-02	1.0020E-04	2.8309E-01
STUDSVIK	0.0	0.0	0.0	2.9403E-01	0.0	0.0	0.0	2.7532E-01
TUBS(DATUBS4)	2.1110E-01	8.3200E-02	3.6110E-05	2.9430E-01	1.8900E-01	8.7040E-02	8.7430E-05	2.7610E-01
TUBS(DATUBS5)	2.0920E-01	8.6300E-02	3.6930E-05	2.9560E-01	1.8710E-01	9.0500E-02	9.0080E-05	2.7770E-01
VA.TECH	2.1578E-01	7.2928E-02	9.9264E-05	2.8881E-01	1.9492E-01	7.4501E-02	2.4933E-05	2.6945E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU240 (BURN-UP=0GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.5800E-02	1.3400E-02	3.8200E-05	4.9300E-02	3.2100E-02	1.3600E-02	9.7600E-05	4.5800E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.5410E-02	1.3420E-02	5.7640E-05	4.8890E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	3.5650E-02	1.4100E-02	3.4240E-05	4.9780E-02	3.1800E-02	1.4130E-02	1.2000E-04	4.6050E-02
HITACHI(J2)	3.7200E-02	1.5420E-02	8.1020E-05	5.2700E-02	3.3150E-02	1.5510E-02	1.4400E-04	4.8810E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	3.6866E-02	1.5184E-02	1.1619E-05	5.2062E-02	3.3513E-02	1.4949E-02	3.9301E-05	4.8502E-02
JAERI(VIM)	3.7222E-02	1.4967E-02	5.4559E-05	5.2244E-02	3.3808E-02	1.5069E-02	3.6748E-05	4.8914E-02
KFK(NEWEST)	3.7590E-02	1.0744E-02	4.6603E-05	4.8381E-02	3.3760E-02	1.0680E-02	1.0531E-04	4.4546E-02
KFK(1985LIB.)	3.7467E-02	1.0738E-02	4.2484E-05	4.8248E-02	3.3702E-02	1.0711E-02	9.6549E-05	4.4510E-02
MAPI-CRC	3.8060E-02	1.5170E-02	5.1770E-05	5.3280E-02	3.4510E-02	1.4410E-02	1.0550E-04	4.9030E-02
NAIG	3.7846E-02	1.2106E-02	5.2100E-05	5.0004E-02	3.3672E-02	1.2952E-02	1.3220E-04	4.6756E-02
PNC	3.9390E-02	1.2280E-02	4.5490E-05	5.1710E-02	3.5120E-02	1.2850E-02	1.1330E-04	4.8090E-02
PSI(BOXER)	3.7120E-02	1.4063E-02	5.2885E-05	5.1236E-02	3.3638E-02	1.3840E-02	1.2165E-04	4.7600E-02
PSI(DANDE)	3.8014E-02	1.5259E-02	6.0703E-05	5.3333E-02	3.4059E-02	1.5338E-02	1.5214E-04	4.9549E-02
STUDSVIK	0.0	0.0	0.0	3.9550E-02	0.0	0.0	0.0	3.7220E-02
TUBS(DATUBS4)	3.4430E-02	1.4010E-02	6.3840E-05	4.8510E-02	3.1110E-02	1.4570E-02	1.4810E-04	4.5820E-02
TUBS(DATUBS5)	3.5970E-02	1.5600E-02	6.5810E-05	5.1640E-02	3.2370E-02	1.6380E-02	1.5360E-04	4.8900E-02
VA.TECH	3.5478E-02	1.3074E-02	4.8190E-05	4.8600E-02	3.2012E-02	1.3500E-02	1.1367E-04	4.5626E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU241 (BURN-UP=0GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.7500E-02	1.9700E-02	9.0700E-05	6.7300E-02	4.2400E-02	1.9900E-02	2.2200E-05	6.2300E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	4.7000E-02	1.9940E-02	1.0750E-05	6.6950E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	4.7480E-02	2.1340E-02	1.1560E-05	6.8830E-02	4.2330E-02	2.1120E-02	2.1190E-05	6.3470E-02
HITACHI(J2)	4.8500E-02	2.1430E-02	1.1540E-05	6.9940E-02	4.3190E-02	2.1320E-02	2.1240E-05	6.4540E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	4.7315E-02	2.0799E-02	3.0674E-06	6.8117E-02	4.3116E-02	2.0434E-02	9.2518E-06	6.3560E-02
JAERI(VIM)	4.8268E-02	2.0130E-02	6.5128E-06	6.8404E-02	4.3936E-02	2.0396E-02	1.3772E-05	6.4345E-02
KFK(NEWEST)	4.5112E-02	1.6924E-02	7.8930E-06	6.2045E-02	4.0301E-02	1.6775E-02	1.7994E-05	5.7094E-02
KFK(1985LIB.)	4.5101E-02	1.6901E-02	6.7802E-06	6.2009E-02	4.0348E-02	1.6824E-02	1.5480E-05	5.7188E-02
MAPI-CRC	4.8220E-02	2.1520E-02	7.9010E-06	6.9750E-02	4.3430E-02	2.0370E-02	1.6770E-05	6.3820E-02
NAIG	4.8648E-02	1.7654E-02	9.0000E-06	6.6310E-02	4.3113E-02	1.8863E-02	2.3800E-05	6.1999E-02
PNC	4.8710E-02	1.7560E-02	7.4790E-06	6.6270E-02	4.3360E-02	1.8430E-02	1.8980E-05	6.1810E-02
PSI(BOXER)	4.7436E-02	2.0245E-02	9.3707E-06	6.7690E-02	4.2544E-02	2.0092E-02	2.1623E-05	6.2658E-02
PSI(DANDE)	4.8976E-02	2.1262E-02	1.1889E-05	7.0250E-02	4.3839E-02	2.1989E-02	3.0108E-05	6.5858E-02
STUDSVIK	0.0	0.0	0.0	6.8530E-02	0.0	0.0	0.0	6.4680E-02
TUBS(DATUBS4)	4.6540E-02	2.0550E-02	1.9870E-05	6.7110E-02	4.1520E-02	2.1500E-02	4.5920E-05	6.3070E-02
TUBS(DATUBS5)	4.7010E-02	2.0780E-02	2.2880E-05	6.7820E-02	4.1910E-02	2.1790E-02	5.3310E-05	6.3750E-02
VA.TECH	4.7233E-02	1.8992E-02	9.6205E-06	6.6235E-02	4.2823E-02	1.9170E-02	5.1753E-06	6.1998E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU242 (BURN-UP=0GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	7.9000E-03	2.7700E-03	3.5500E-05	1.0700E-02	7.1100E-03	2.8100E-03	7.7900E-05	1.0000E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	7.8250E-03	2.8310E-03	3.8020E-05	1.0690E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	7.8440E-03	2.9720E-03	3.5310E-05	1.0850E-02	7.0210E-03	2.9610E-03	9.7330E-05	1.0080E-02
HITACHI(J2)	8.9760E-03	3.7660E-03	2.7340E-05	1.2770E-02	8.0080E-03	3.6880E-03	8.5860E-05	1.1780E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	8.9221E-03	3.7660E-03	1.3093E-05	1.2701E-02	8.1319E-03	3.6491E-03	3.5387E-05	1.1816E-02
JAERI(VIM)	8.9845E-03	3.6483E-03	3.7747E-05	1.2671E-02	8.1786E-03	3.5500E-03	7.0211E-05	1.1799E-02
KFK(NEWEST)	8.6736E-03	3.0289E-03	3.4280E-05	1.1737E-02	7.8194E-03	2.9698E-03	7.2823E-05	1.0862E-02
KFK(1985LIB.)	8.6396E-03	3.0266E-03	4.5465E-05	1.1712E-02	7.8011E-03	2.9786E-03	9.6692E-05	1.0877E-02
MAPI-CRC	9.1230E-03	3.7690E-03	2.4780E-05	1.2920E-02	8.3090E-03	3.5430E-03	5.3720E-05	1.1910E-02
NAIG	9.3102E-03	3.1776E-03	2.8100E-05	1.2516E-02	8.3005E-03	3.2996E-03	7.0500E-05	1.1671E-02
PNC	9.4120E-03	3.1100E-03	2.1530E-05	1.2540E-02	8.4160E-03	3.1710E-03	5.4110E-05	1.1640E-02
PSI(BOXER)	8.2658E-03	3.1482E-03	6.2112E-05	1.1476E-02	7.4921E-03	3.0956E-03	1.3327E-04	1.0721E-02
PSI(DANDE)	9.1281E-03	3.7345E-03	4.7019E-05	1.2910E-02	8.2083E-03	3.7495E-03	1.0768E-04	1.2065E-02
STUDSVIK	0.0	0.0	0.0	1.0940E-02	0.0	0.0	0.0	1.0480E-02
TUBS(DATUBS4)	8.7770E-03	3.1290E-03	3.8360E-05	1.1940E-02	7.9220E-03	3.2360E-03	8.4170E-05	1.1240E-02
TUBS(DATUBS5)	8.8000E-03	3.7990E-03	3.8830E-05	1.2640E-02	7.9240E-03	3.9660E-03	8.6090E-05	1.1980E-02
VA.TECH	7.8358E-03	2.6054E-03	1.0018E-05	1.0451E-02	7.0803E-03	2.7566E-03	7.0641E-05	9.9076E-03
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U235 (BURN-UP=0GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	7.0000E-03	2.5500E-03	1.1100E-06	9.5500E-03	7.2600E-03	2.9700E-03	3.1300E-06	1.0200E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	6.9740E-03	2.7650E-03	1.5060E-06	9.7400E-03	7.2260E-03	3.1600E-03	3.0220E-06	1.0390E-02
HITACHI(J2)	6.9020E-03	2.9800E-03	1.2940E-06	9.8830E-03	7.1490E-03	3.4110E-03	2.8110E-06	1.0560E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	6.7262E-03	2.9125E-03	3.5469E-07	9.6390E-03	7.1177E-03	3.3019E-03	1.2417E-06	1.0421E-02
JAERI(VIM)	6.8803E-03	2.8508E-03	1.3064E-06	9.7324E-03	7.2791E-03	3.3029E-03	1.8533E-06	1.0584E-02
KFK(NEWEST)	6.5817E-03	2.3222E-03	8.2516E-07	8.9049E-03	6.8366E-03	2.6570E-03	2.1741E-06	9.4959E-03
KFK(1985LIB.)	6.5783E-03	2.3193E-03	6.9478E-07	8.8984E-03	6.8428E-03	2.6648E-03	1.8329E-06	9.5095E-03
MAPI-CRC	6.8990E-03	3.0110E-03	8.5420E-07	9.9110E-03	7.2210E-03	3.2930E-03	2.0790E-06	1.0520E-02
NAIG	6.8378E-03	2.4953E-03	1.0000E-06	9.3340E-03	7.0432E-03	3.0815E-03	3.1000E-06	1.0128E-02
PNC	7.5260E-03	2.5470E-03	7.7860E-07	1.0070E-02	7.7860E-03	3.0450E-03	2.2820E-06	1.0830E-02
PSI(BOXER)	6.9992E-03	2.6459E-03	9.9323E-07	9.6461E-03	7.2990E-03	3.0370E-03	2.6527E-06	1.0339E-02
PSI(DANDE)	6.8205E-03	2.8071E-03	1.2011E-06	9.6288E-03	7.0963E-03	3.3559E-03	3.5188E-06	1.0456E-02
STUDSVIK	0.0	0.0	0.0	9.6400E-03	0.0	0.0	0.0	1.0490E-02
TUBS(DATUBS4)	6.7740E-03	2.6980E-03	9.7860E-07	9.4720E-03	7.0310E-03	3.2620E-03	2.7010E-06	1.0300E-02
TUBS(DATUBS5)	6.5290E-03	2.8140E-03	9.8450E-07	9.3440E-03	6.7710E-03	3.4140E-03	2.7480E-06	1.0190E-02
VA.TECH	6.9449E-03	2.4555E-03	1.4074E-06	9.4018E-03	7.3172E-03	2.9145E-03	9.1643E-07	1.0233E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U238 (BURN-UP=0GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.7100E-02	0.0	6.6000E-15	6.7100E-02	7.2700E-02	0.0	1.8000E-14	7.2700E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	6.4700E-02	7.4040E-06	9.8740E-13	6.4700E-02	6.9160E-02	7.8080E-06	2.2490E-12	6.9170E-02
HITACHI(J2)	6.6890E-02	1.8940E-05	7.5650E-12	6.6910E-02	7.0560E-02	2.1080E-05	1.9910E-11	7.0580E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	7.1166E-02	2.0075E-05	0.0	7.1168E-02	7.5317E-02	2.2749E-05	0.0	7.5340E-02
JAERI(VIM)	6.9882E-02	2.1178E-05	4.7942E-12	6.9903E-02	7.4239E-02	2.0871E-05	9.7843E-12	7.4260E-02
KFK(NEWEST)	6.8883E-02	0.0	0.0	6.8884E-02	7.4446E-02	0.0	0.0	7.4448E-02
KFK(1985LIB.)	6.7335E-02	0.0	0.0	6.7336E-02	7.2928E-02	0.0	0.0	7.2929E-02
MAPI-CRC	7.1830E-02	1.8980E-05	5.9400E-12	7.1850E-02	7.7600E-02	2.1480E-05	1.4300E-11	7.7620E-02
NAIG	7.1558E-02	1.4300E-05	0.0	7.1572E-02	7.4228E-02	1.9000E-05	0.0	7.4246E-02
PNC	6.7990E-02	0.0	0.0	6.7990E-02	7.2750E-02	0.0	0.0	7.2750E-02
PSI(BOXER)	7.0214E-02	1.4519E-05	6.3152E-12	7.0229E-02	7.5815E-02	1.5648E-05	1.6715E-11	7.5831E-02
PSI(DANDE)	6.6036E-02	1.7939E-05	8.1327E-12	6.6054E-02	7.2128E-02	2.0994E-05	2.3678E-11	7.2149E-02
STUDSVIK	0.0	0.0	0.0	7.3720E-02	0.0	0.0	0.0	7.9060E-02
TUBS(DATUBS4)	6.9140E-02	3.4310E-06	0.0	6.9140E-02	7.6690E-02	3.8840E-06	0.0	7.6690E-02
TUBS(DATUBS5)	7.0520E-02	2.2450E-05	6.2910E-12	7.0540E-02	7.7980E-02	2.5150E-05	1.7320E-11	7.8000E-02
VA.TECH	6.6205E-02	7.9404E-06	9.6158E-14	6.6213E-02	7.2356E-02	9.8467E-06	5.9932E-13	7.2366E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU239 (BURN-UP=0GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.8500E-01	4.2000E-02	2.6000E-05	2.2700E-01	1.6500E-01	4.2600E-02	6.5200E-05	2.0700E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.8390E-01	4.4900E-02	3.0670E-05	2.2880E-01	1.6380E-01	4.4700E-02	5.8710E-05	2.0860E-01
HITACHI(J2)	1.8240E-01	4.7770E-02	3.2730E-05	2.3020E-01	1.6230E-01	4.7780E-02	5.9040E-05	2.1010E-01
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.7872E-01	4.6364E-02	6.2669E-06	2.2509E-01	1.6194E-01	4.5776E-02	2.0918E-05	2.0773E-01
JAERI(VIM)	1.8209E-01	4.5477E-02	1.0801E-05	2.2757E-01	1.6511E-01	4.6331E-02	4.4233E-05	2.1149E-01
KFK(NEWEST)	1.7650E-01	3.8675E-02	2.3168E-05	2.1520E-01	1.5754E-01	3.8306E-02	5.3694E-05	1.9590E-01
KFK(1985LIB.)	1.7627E-01	3.8642E-02	2.0284E-05	2.1493E-01	1.5756E-01	3.8420E-02	4.7173E-05	1.9603E-01
MAPI-CRC	1.8600E-01	4.6910E-02	2.3200E-05	2.3290E-01	1.6670E-01	4.4930E-02	4.9240E-05	2.1170E-01
NAIG	1.8425E-01	4.1455E-02	2.4700E-05	2.2573E-01	1.6321E-01	4.4485E-02	6.6500E-05	2.0777E-01
PNC	1.9170E-01	3.8110E-02	2.2360E-05	2.2980E-01	1.6990E-01	4.0290E-02	5.6720E-05	2.1020E-01
PSI(BOXER)	1.8978E-01	4.4466E-02	2.6622E-05	2.3427E-01	1.6975E-01	4.4156E-02	6.2677E-05	2.1397E-01
PSI(DANDE)	1.8625E-01	4.8056E-02	3.0230E-05	2.3434E-01	1.6594E-01	4.9270E-02	7.8632E-05	2.1529E-01
STUDSVIK	0.0	0.0	0.0	2.2863E-01	0.0	0.0	0.0	2.1188E-01
TUBS(DATUBS4)	1.7930E-01	4.6450E-02	2.6380E-05	2.2580E-01	1.6080E-01	4.8550E-02	6.3630E-05	2.0940E-01
TUBS(DATUBS5)	1.7610E-01	4.8320E-02	2.7800E-05	2.2440E-01	1.5770E-01	5.0650E-02	6.7580E-05	2.0840E-01
VA.TECH	1.8313E-01	3.9969E-02	6.8011E-05	2.2316E-01	1.6510E-01	4.0930E-02	1.8300E-05	2.0605E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU240 (BURN-UP=0GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.9100E-02	8.3700E-04	7.6500E-09	1.9900E-02	1.7200E-02	7.9800E-04	1.9500E-08	1.8000E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.8880E-02	8.6710E-04	7.0540E-09	1.9740E-02	1.6850E-02	8.2180E-04	2.3950E-08	1.7670E-02
HITACHI(J2)	1.8480E-02	9.9420E-04	1.6330E-08	1.9480E-02	1.6440E-02	9.3490E-04	2.9360E-08	1.7370E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.8802E-02	1.0009E-03	2.4448E-09	1.9802E-02	1.6910E-02	9.1443E-04	8.1961E-09	1.7824E-02
JAERI(VIM)	1.8613E-02	9.9076E-04	1.0920E-08	1.9604E-02	1.6752E-02	9.2541E-04	7.8553E-09	1.7678E-02
KFK(NEWEST)	1.9559E-02	5.9110E-04	8.8256E-09	2.0150E-02	1.7600E-02	5.7278E-04	1.9942E-08	1.8173E-02
KFK(1985LIB.)	1.9416E-02	5.8866E-04	7.9963E-09	2.0004E-02	1.7501E-02	5.7447E-04	1.8172E-08	1.8076E-02
MAPI-CRC	2.0040E-02	9.2480E-04	1.0530E-08	2.0960E-02	1.8090E-02	8.4550E-04	2.1470E-08	1.8940E-02
NAIG	2.0094E-02	5.8440E-04	0.0	2.0679E-02	1.7915E-02	5.6780E-04	0.0	1.8483E-02
PNC	2.1700E-02	7.5550E-04	9.2600E-09	2.2460E-02	1.9250E-02	7.3070E-04	2.3060E-08	1.9980E-02
PSI(BOXER)	2.1112E-02	8.0529E-04	1.0455E-08	2.1917E-02	1.9043E-02	7.7270E-04	2.4048E-08	1.9816E-02
PSI(DANDE)	1.9342E-02	8.9627E-04	1.2427E-08	2.0238E-02	1.7202E-02	8.6691E-04	3.1152E-08	1.8069E-02
STUDSVIK	0.0	0.0	0.0	1.9640E-02	0.0	0.0	0.0	1.7890E-02
TUBS(DATUBS4)	1.8260E-02	7.8420E-04	1.2350E-08	1.9050E-02	1.6760E-02	8.0760E-04	2.8630E-08	1.7570E-02
TUBS(DATUBS5)	1.7810E-02	9.2460E-04	1.3220E-08	1.8730E-02	1.6290E-02	9.7000E-04	3.0880E-08	1.7260E-02
VA.TECH	1.8820E-02	8.2240E-04	9.4261E-09	1.9642E-02	1.6813E-02	7.9768E-04	2.1972E-08	1.7611E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU241 (BURN-UP=0GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.1100E-02	1.5300E-02	7.9600E-05	5.6500E-02	3.6700E-02	1.5500E-02	1.9500E-05	5.2200E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.1010E-02	1.6550E-02	1.0230E-05	5.7560E-02	3.6550E-02	1.6390E-02	1.8690E-05	5.2950E-02
HITACHI(J2)	4.1400E-02	1.6880E-02	9.6040E-06	5.8290E-02	3.6890E-02	1.6770E-02	1.8010E-05	5.3680E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	4.0420E-02	1.6393E-02	2.5790E-06	5.6816E-02	3.6809E-02	1.6086E-02	7.7534E-06	5.2902E-02
JAERI(VIM)	4.1221E-02	1.5880E-02	5.5301E-06	5.7107E-02	3.7514E-02	1.6048E-02	1.1136E-05	5.3573E-02
KFK(NEWEST)	3.8968E-02	1.3047E-02	6.4878E-06	5.2021E-02	3.4788E-02	1.2928E-02	1.4763E-05	4.7731E-02
KFK(1985LIB.)	3.8949E-02	1.3029E-02	5.4942E-06	5.1983E-02	3.4820E-02	1.2966E-02	1.2523E-05	4.7799E-02
MAPI-CRC	4.1340E-02	1.6940E-02	6.5530E-06	5.8290E-02	3.7210E-02	1.6030E-02	1.3850E-05	5.3260E-02
NAIG	4.1613E-02	1.3927E-02	7.5000E-06	5.5547E-02	3.6876E-02	1.4838E-02	1.9800E-05	5.1733E-02
PNC	4.1790E-02	1.3840E-02	6.1650E-06	5.5630E-02	3.7180E-02	1.4490E-02	1.5600E-05	5.1690E-02
PSI(BOXER)	4.1238E-02	1.5691E-02	8.0366E-06	5.6937E-02	3.6958E-02	1.5590E-02	1.8504E-05	5.2567E-02
PSI(DANDE)	4.1887E-02	1.6724E-02	9.7368E-06	5.8620E-02	3.7481E-02	1.7283E-02	2.4622E-05	5.4789E-02
STUDSVIK	0.0	0.0	0.0	5.7290E-02	0.0	0.0	0.0	5.3900E-02
TUBS(DATUBS4)	4.0310E-02	1.6090E-02	1.4800E-05	5.6410E-02	3.6000E-02	1.6840E-02	3.4270E-05	5.2870E-02
TUBS(DATUBS5)	4.0150E-02	1.6370E-02	1.5210E-05	5.6530E-02	3.5810E-02	1.7150E-02	3.5580E-05	5.3000E-02
VA.TECH	4.0802E-02	1.4747E-02	7.1135E-06	5.5556E-02	3.6955E-02	1.4890E-02	4.6127E-06	5.1850E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU242 (BURN-UP=0GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.6400E-03	0.0	0.0	4.6400E-03	4.2000E-03	0.0	0.0	4.2000E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.5860E-03	0.0	0.0	4.5860E-03	4.1090E-03	0.0	0.0	4.1090E-03
HITACHI(J2)	3.9920E-03	3.3480E-05	2.0320E-08	4.0250E-03	3.5530E-03	3.2330E-05	6.9170E-08	3.5850E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	4.1093E-03	3.2895E-05	9.3204E-09	4.1422E-03	3.6932E-03	3.1301E-05	2.5377E-08	3.7246E-03
JAERI(VIM)	4.0272E-03	3.1871E-05	2.6397E-08	4.0591E-03	3.6211E-03	2.8394E-05	4.9119E-08	3.6496E-03
KFK(NEWEST)	4.2693E-03	1.0767E-05	9.2873E-12	4.2801E-03	3.8558E-03	1.0433E-05	2.0950E-11	3.8663E-03
KFK(1985LIB.)	4.2305E-03	1.0757E-05	7.3486E-12	4.2413E-03	3.8277E-03	1.0464E-05	1.6654E-11	3.8382E-03
MAPI-CRC	4.3510E-03	2.9350E-05	1.8130E-08	4.3810E-03	3.9380E-03	2.7430E-05	3.9160E-08	3.9650E-03
NAIG	4.4490E-03	2.6000E-05	0.0	4.4750E-03	3.9755E-03	2.8800E-05	1.0000E-07	4.0040E-03
PNC	4.7460E-03	2.4190E-05	7.0500E-08	4.7710E-03	4.2120E-03	2.4780E-05	1.7510E-07	4.2370E-03
PSI(BOXER)	5.1483E-03	0.0	0.0	5.1483E-03	4.6668E-03	0.0	0.0	4.6668E-03
PSI(DANDE)	4.1615E-03	2.8156E-05	3.1483E-08	4.1897E-03	3.7106E-03	2.8153E-05	7.2107E-08	3.7388E-03
STUDSVIK	0.0	0.0	0.0	4.7300E-03	0.0	0.0	0.0	4.3000E-03
TUBS(DATUBS4)	4.1500E-03	3.0790E-05	1.2600E-11	4.1810E-03	3.8270E-03	3.0610E-05	2.9610E-11	3.8570E-03
TUBS(DATUBS5)	3.9660E-03	3.1330E-05	2.6000E-08	3.9970E-03	3.6460E-03	3.2220E-05	5.7640E-08	3.6780E-03
VA.TECH	4.5879E-03	0.0	0.0	4.5879E-03	4.1120E-03	0.0	0.0	4.1120E-03
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U235 (BURN-UP=0GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.7300E-02	6.1800E-03	2.6800E-06	2.3400E-02	1.7900E-02	7.1900E-03	7.5700E-06	2.5100E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.7058E-02	6.3407E-03	3.4239E-06	2.3403E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.7190E-02	6.6880E-03	3.6430E-06	2.3890E-02	1.7660E-02	8.2840E-03	6.8260E-06	2.5950E-02
HITACHI(J2)	1.7050E-02	7.2370E-03	3.1420E-06	2.4290E-02	1.7660E-02	8.2840E-03	6.8260E-06	2.5950E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.6638E-02	7.0749E-03	8.6139E-07	2.3713E-02	1.7607E-02	8.0209E-03	3.0156E-06	2.5631E-02
JAERI(VIM)	1.7006E-02	6.9245E-03	3.1728E-06	2.3934E-02	1.7994E-02	8.0227E-03	4.5010E-06	2.6021E-02
KFK(NEWEST)	1.6293E-02	5.6277E-03	1.9995E-06	2.1923E-02	1.6930E-02	6.4390E-03	5.2680E-06	2.3374E-02
KFK(1985LIB.)	1.6280E-02	5.6208E-03	1.6836E-06	2.1903E-02	1.6941E-02	6.4580E-03	4.4414E-06	2.3403E-02
MAPI-CRC	1.7070E-02	7.3140E-03	2.0750E-06	2.4390E-02	1.7870E-02	7.9980E-03	5.0500E-06	2.5880E-02
NAIG	1.6935E-02	6.0802E-03	2.5000E-06	2.3018E-02	1.7445E-02	7.5086E-03	7.6000E-06	2.4961E-02
PNC	1.8650E-02	6.2090E-03	1.8940E-06	2.4860E-02	1.9300E-02	7.4210E-03	5.5510E-06	2.6730E-02
PSI(BOXER)	1.7295E-02	6.4008E-03	2.4024E-06	2.3699E-02	1.8043E-02	7.3471E-03	6.4164E-06	2.5396E-02
PSI(DANDE)	1.6871E-02	6.3899E-03	2.9268E-06	2.3714E-02	1.7560E-02	8.1772E-03	8.5743E-06	2.5746E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.6780E-02	6.5730E-03	2.3850E-06	2.3350E-02	1.7430E-02	7.9490E-03	6.5820E-06	2.5380E-02
TUBS(DATUBS5)	1.6160E-02	6.8570E-03	2.3990E-06	2.3020E-02	1.6770E-02	8.3190E-03	6.6970E-06	2.5100E-02
VA.TECH	1.7129E-02	5.9403E-03	3.4041E-06	2.3073E-02	1.8050E-02	7.0506E-03	2.2167E-06	2.5103E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U238 (BURN-UP=0GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.8700E-01	0.0	1.5000E-14	1.8700E-01	2.0300E-01	0.0	4.2000E-14	2.0300E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.8868E-01	2.8966E-07	0.0	1.8868E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.7860E-01	1.7180E-05	2.2900E-12	1.7860E-01	1.9570E-01	4.8910E-05	4.6190E-11	1.9570E-01
HITACHI(J2)	1.8500E-01	4.3940E-05	1.7550E-11	1.8500E-01	1.9570E-01	4.8910E-05	4.6190E-11	1.9570E-01
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.9767E-01	4.6566E-05	0.0	1.9772E-01	2.0984E-01	5.2768E-05	0.0	2.0989E-01
JAERI(VIM)	1.9410E-01	4.9132E-05	1.1120E-11	1.9415E-01	2.0701E-01	4.8420E-05	2.2695E-11	2.0706E-01
KFK(NEWEST)	1.9115E-01	0.0	0.0	1.9116E-01	2.0687E-01	0.0	0.0	2.0687E-01
KFK(1985LIB.)	1.8657E-01	0.0	0.0	1.8658E-01	2.0234E-01	0.0	0.0	2.0234E-01
MAPI-CRC	1.9990E-01	4.4030E-05	1.3780E-11	1.9990E-01	2.1660E-01	4.9850E-05	3.3170E-11	2.1670E-01
NAIG	1.9932E-01	9.9000E-06	0.0	1.9933E-01	2.0670E-01	1.1500E-05	0.0	2.0671E-01
PNC	1.8810E-01	0.0	0.0	1.8810E-01	2.0180E-01	0.0	0.0	2.0180E-01
PSI(BOXER)	1.9451E-01	3.3910E-05	1.4549E-11	1.9455E-01	2.1053E-01	3.6298E-05	3.8772E-11	2.1057E-01
PSI(DANDE)	1.8304E-01	4.1618E-05	1.8847E-11	1.8308E-01	2.0061E-01	4.8706E-05	5.4872E-11	2.0066E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.9320E-01	7.9600E-06	0.0	1.9320E-01	2.1490E-01	9.0110E-06	0.0	2.1490E-01
TUBS(DATUBS5)	1.9610E-01	5.2080E-05	1.4590E-11	1.9620E-01	2.1750E-01	5.8360E-05	4.0180E-11	2.1750E-01
VA.TECH	1.8357E-01	1.8419E-05	2.2304E-13	1.8359E-01	2.0103E-01	2.2841E-05	1.3901E-12	2.0105E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU239 (BURN-UP=0GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.4400E-01	1.2100E-01	7.4800E-05	6.6500E-01	4.8600E-01	1.2200E-01	1.8700E-04	6.0800E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	5.3800E-01	1.2444E-01	7.9370E-05	6.6255E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	5.4130E-01	1.2900E-01	8.8110E-05	6.7040E-01	4.7880E-01	1.3760E-01	1.7010E-04	6.1660E-01
HITACHI(J2)	5.3800E-01	1.3760E-01	9.4290E-05	6.7570E-01	4.7880E-01	1.3760E-01	1.7010E-04	6.1660E-01
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	5.2808E-01	1.3354E-01	1.8052E-05	6.6164E-01	4.7856E-01	1.3184E-01	5.9681E-05	6.1046E-01
JAERI(VIM)	5.3747E-01	1.3102E-01	3.1114E-05	6.6852E-01	4.8747E-01	1.3348E-01	1.2742E-04	6.2108E-01
KFK(NEWEST)	5.2255E-01	1.1159E-01	6.6869E-05	6.3421E-01	4.6671E-01	1.1052E-01	1.5497E-04	5.7738E-01
KFK(1985LIB.)	5.2165E-01	1.1149E-01	5.8538E-05	6.3320E-01	4.6657E-01	1.1085E-01	1.3613E-04	5.7756E-01
MAPI-CRC	5.4960E-01	1.3510E-01	6.6820E-05	6.8480E-01	4.9280E-01	1.2940E-01	1.4180E-04	6.2240E-01
NAIG	5.4475E-01	1.1939E-01	7.1100E-05	6.6422E-01	4.8264E-01	1.2812E-01	1.9170E-04	6.1095E-01
PNC	5.6590E-01	1.0980E-01	6.4420E-05	6.7580E-01	5.0190E-01	1.1610E-01	1.6340E-04	6.1810E-01
PSI(BOXER)	5.5990E-01	1.2778E-01	7.6493E-05	6.8776E-01	5.0107E-01	1.2689E-01	1.8009E-04	6.2814E-01
PSI(DANDE)	5.4664E-01	1.3694E-01	8.6595E-05	6.8367E-01	4.8729E-01	1.4036E-01	2.2526E-04	6.2787E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	5.2890E-01	1.3350E-01	7.5800E-05	6.6250E-01	4.7490E-01	1.3950E-01	1.8280E-04	6.1460E-01
TUBS(DATUBS5)	5.1720E-01	1.3770E-01	7.9660E-05	6.5500E-01	4.6360E-01	1.4430E-01	1.9370E-04	6.0810E-01
VA.TECH	5.3936E-01	1.1486E-01	1.9542E-04	6.5442E-01	4.8643E-01	1.1762E-01	5.2580E-05	6.0410E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU240 (BURN-UP=0GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.8800E-02	2.4000E-03	2.2000E-08	6.1200E-02	5.3000E-02	2.2900E-03	5.6000E-08	5.5300E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	5.8547E-02	2.2722E-03	3.0787E-08	6.0815E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	5.8050E-02	2.4890E-03	2.0240E-08	6.0540E-02	4.9400E-02	2.6030E-03	8.1730E-08	5.2000E-02
HITACHI(J2)	5.5460E-02	2.7680E-03	4.5450E-08	5.8230E-02	4.9400E-02	2.6030E-03	8.1730E-08	5.2000E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	5.6604E-02	2.7868E-03	6.8059E-09	5.9351E-02	5.0970E-02	2.5459E-03	2.2816E-08	5.3516E-02
JAERI(VIM)	5.5992E-02	2.7584E-03	3.0399E-08	5.8750E-02	5.0472E-02	2.5765E-03	2.1868E-08	5.3049E-02
KFK(NEWEST)	6.0824E-02	1.7029E-03	2.5414E-08	6.2528E-02	5.4826E-02	1.6501E-03	5.7426E-08	5.6477E-02
KFK(1985LIB.)	6.0321E-02	1.6958E-03	2.3025E-08	6.2018E-02	5.4465E-02	1.6550E-03	5.2323E-08	5.6120E-02
MAPI-CRC	6.0210E-02	2.5750E-03	2.9310E-08	6.2780E-02	5.4470E-02	2.3540E-03	5.9780E-08	5.6830E-02
NAIG	6.0876E-02	1.6384E-03	0.0	6.2514E-02	5.4276E-02	1.5917E-03	1.0000E-07	5.5867E-02
PNC	6.4780E-02	2.1040E-03	2.5780E-08	6.6890E-02	5.7560E-02	2.0350E-03	6.4190E-08	5.9590E-02
PSI(BOXER)	6.4951E-02	2.3114E-03	3.0005E-08	6.7263E-02	5.8677E-02	2.2179E-03	6.9014E-08	6.0895E-02
PSI(DANDE)	5.7940E-02	2.4954E-03	3.4594E-08	6.0435E-02	5.1680E-02	2.4136E-03	8.6721E-08	5.4094E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	5.6610E-02	2.2510E-03	3.5450E-08	5.8860E-02	5.2080E-02	2.3180E-03	8.2170E-08	5.4390E-02
TUBS(DATUBS5)	5.3760E-02	2.5740E-03	3.6810E-08	5.6330E-02	4.9320E-02	2.7010E-03	8.5950E-08	5.2020E-02
VA.TECH	5.7975E-02	2.3605E-03	2.7051E-08	6.0336E-02	5.1906E-02	2.2896E-03	6.3054E-08	5.4195E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU241 (BURN-UP=0GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2300E-01	4.5000E-02	2.3400E-05	1.6800E-01	1.1000E-01	4.5400E-02	5.7000E-05	1.5500E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.2176E-01	4.5801E-02	2.7425E-05	1.6756E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.2240E-01	4.8530E-02	2.9990E-05	1.7100E-01	1.1010E-01	4.9190E-02	5.2820E-05	1.5930E-01
HITACHI(J2)	1.2350E-01	4.9500E-02	2.8160E-05	1.7300E-01	1.1010E-01	4.9190E-02	5.2820E-05	1.5930E-01
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.2071E-01	4.8078E-02	7.5626E-06	1.6879E-01	1.0992E-01	4.7175E-02	2.2735E-05	1.5711E-01
JAERI(VIM)	1.2304E-01	4.6573E-02	1.6216E-05	1.6963E-01	1.1198E-01	4.7064E-02	3.2655E-05	1.5907E-01
KFK(NEWEST)	1.1622E-01	3.8169E-02	1.8964E-05	1.5441E-01	1.0379E-01	3.7821E-02	4.3151E-05	1.4166E-01
KFK(1985LIB.)	1.1613E-01	3.8116E-02	1.6060E-05	1.5426E-01	1.0386E-01	3.7933E-02	3.6606E-05	1.4183E-01
MAPI-CRC	1.2350E-01	4.9690E-02	1.9220E-05	1.7320E-01	1.1120E-01	4.7020E-02	4.0630E-05	1.5830E-01
NAIG	1.2435E-01	4.0844E-02	2.2100E-05	1.6522E-01	1.1020E-01	4.3515E-02	5.8100E-05	1.5378E-01
PNC	1.2490E-01	4.0590E-02	1.8080E-05	1.6550E-01	1.1110E-01	4.2500E-02	4.5760E-05	1.5370E-01
PSI(BOXER)	1.2339E-01	4.6017E-02	2.3566E-05	1.6943E-01	1.1061E-01	4.5720E-02	5.4259E-05	1.5639E-01
PSI(DANDE)	1.2500E-01	4.9046E-02	2.8551E-05	1.7407E-01	1.1188E-01	5.0686E-02	7.2198E-05	1.6264E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.2050E-01	4.7170E-02	4.3400E-05	1.6770E-01	1.0770E-01	4.9390E-02	1.0050E-04	1.5720E-01
TUBS(DATUBS5)	1.1980E-01	4.8020E-02	4.4600E-05	1.6790E-01	1.0700E-01	5.0300E-02	1.0430E-04	1.5740E-01
VA.TECH	1.2188E-01	4.3248E-02	2.0859E-05	1.6515E-01	1.1040E-01	4.3688E-02	1.3526E-05	1.5408E-01
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU242 (BURN-UP=0GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.4200E-02	0.0	0.0	1.4200E-02	1.2800E-02	0.0	0.0	1.2800E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.4131E-02	0.0	0.0	1.4131E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.3940E-02	0.0	0.0	1.3940E-02	1.2520E-02	0.0	0.0	1.2520E-02
HITACHI(J2)	1.2160E-02	9.4010E-05	5.7060E-08	1.2250E-02	1.0840E-02	9.0780E-05	1.7400E-07	1.0930E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.2554E-02	9.2379E-05	2.6172E-08	1.2647E-02	1.1299E-02	8.7903E-05	7.1259E-08	1.1387E-02
JAERI(VIM)	1.2301E-02	8.9503E-05	7.4123E-08	1.2390E-02	1.1081E-02	7.9740E-05	1.3793E-07	1.1161E-02
KFK(NEWEST)	1.3448E-02	3.1027E-05	2.6764E-11	1.3479E-02	1.2168E-02	3.0065E-05	6.0372E-11	1.2198E-02
KFK(1985LIB.)	1.3313E-02	3.0998E-05	2.1178E-11	1.3344E-02	1.2067E-02	3.0153E-05	4.7996E-11	1.2097E-02
MAPI-CRC	1.3270E-02	8.2440E-05	5.0920E-08	1.3350E-02	1.2030E-02	7.7050E-05	1.1000E-07	1.2110E-02
NAIG	1.3571E-02	7.3000E-05	1.0000E-07	1.3644E-02	1.2125E-02	8.0900E-05	1.0000E-07	1.2207E-02
PNC	1.4360E-02	6.7940E-05	1.9800E-07	1.4430E-02	1.2770E-02	6.9610E-05	4.9150E-07	1.2840E-02
PSI(BOXER)	1.5654E-02	0.0	0.0	1.5654E-02	1.4216E-02	0.0	0.0	1.4216E-02
PSI(DANDE)	1.2653E-02	7.9071E-05	8.8405E-08	1.2732E-02	1.1318E-02	7.9064E-05	2.0248E-07	1.1397E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.2830E-02	8.6540E-05	3.5410E-11	1.2920E-02	1.1860E-02	8.6040E-05	8.3210E-11	1.1950E-02
TUBS(DATUBS5)	1.2150E-02	8.7980E-05	7.3000E-08	1.2230E-02	1.1190E-02	9.0490E-05	1.6190E-07	1.1280E-02
VA.TECH	1.3979E-02	0.0	0.0	1.3979E-02	1.2561E-02	0.0	0.0	1.2561E-02
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U235 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.8300E-03	2.3100E-03	7.6100E-07	8.1400E-03	6.2400E-03	2.8300E-03	2.2100E-06	9.0700E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	5.7480E-03	2.3730E-03	1.0830E-06	8.1220E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	5.8890E-03	2.5490E-03	1.0030E-06	8.4400E-03	6.3020E-03	3.0450E-03	3.0040E-06	9.3500E-03
HITACHI(J2)	5.7860E-03	2.7630E-03	6.8880E-07	8.5500E-03	6.1970E-03	3.3280E-03	2.9550E-06	9.5270E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	5.6241E-03	2.6691E-03	2.6089E-07	8.2934E-03	6.1448E-03	3.1836E-03	9.5221E-07	9.3293E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.6076E-03	2.1440E-03	6.4206E-07	7.7523E-03	5.9518E-03	2.5653E-03	1.7583E-06	8.5189E-03
KFK(1985LIB.)	5.5962E-03	2.1132E-03	5.3349E-07	7.7100E-03	5.9455E-03	2.5333E-03	1.4558E-06	8.4804E-03
MAPI-CRC	5.8540E-03	2.6910E-03	6.6130E-07	8.5450E-03	6.3330E-03	3.0740E-03	1.6980E-06	9.4090E-03
NAIG	5.7748E-03	2.2083E-03	8.0000E-07	7.9840E-03	6.1155E-03	2.8658E-03	2.5000E-06	8.9840E-03
PNC	6.4470E-03	2.1380E-03	6.3230E-07	8.5860E-03	6.8820E-03	2.6740E-03	1.8760E-06	9.5580E-03
PSI(BOXER)	5.8948E-03	2.4353E-03	7.6198E-07	8.3309E-03	6.3213E-03	2.9267E-03	2.0964E-06	9.2501E-03
PSI(DANDE)	5.7956E-03	2.6290E-03	8.4243E-07	8.4254E-03	6.2278E-03	3.2667E-03	2.4610E-06	9.4970E-03
STUDSVIK	0.0	0.0	0.0	8.3800E-03	0.0	0.0	0.0	9.4400E-03
TUBS(DATUBS4)	5.7410E-03	2.5220E-03	7.2270E-07	8.2640E-03	6.0820E-03	3.1630E-03	2.0560E-06	9.2470E-03
TUBS(DATUBS5)	5.5800E-03	2.6440E-03	7.1780E-07	8.2250E-03	5.9170E-03	3.3390E-03	2.0600E-06	9.2580E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U238 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.8500E-01	1.3400E-01	5.6900E-06	5.1900E-01	4.0600E-01	1.4900E-01	1.6100E-05	5.5500E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.9170E-01	1.2800E-01	6.4870E-07	5.1970E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	3.8580E-01	1.2710E-01	7.7460E-06	5.1290E-01	4.0860E-01	1.4550E-01	2.3350E-05	5.5410E-01
HITACHI(J2)	3.7710E-01	1.2670E-01	4.5600E-06	5.0380E-01	3.9820E-01	1.4650E-01	1.8820E-05	5.4480E-01
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	3.7264E-01	1.3816E-01	2.0916E-06	5.1081E-01	4.0114E-01	1.4895E-01	7.4242E-06	5.5009E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.8276E-01	1.2574E-01	5.3414E-06	5.0851E-01	4.0845E-01	1.4158E-01	1.4301E-05	5.5004E-01
KFK(1985LIB.)	3.8229E-01	1.2419E-01	4.2267E-06	5.0649E-01	4.0860E-01	1.4041E-01	1.1302E-05	5.4903E-01
MAPI-CRC	3.7420E-01	1.2350E-01	5.2880E-06	4.9780E-01	4.0200E-01	1.3840E-01	1.3090E-05	5.4040E-01
NAIG	4.1336E-01	1.1458E-01	6.1000E-06	5.2794E-01	4.3035E-01	1.2975E-01	1.8200E-05	5.6012E-01
PNC	4.3150E-01	1.0630E-01	4.9450E-06	5.3780E-01	4.5730E-01	1.1720E-01	1.4170E-05	5.7450E-01
PSI(BOXER)	3.7755E-01	1.3073E-01	5.5302E-06	5.0829E-01	4.0293E-01	1.4380E-01	1.4817E-05	5.4674E-01
PSI(DANDE)	3.7495E-01	1.3102E-01	6.6880E-06	5.0598E-01	4.0010E-01	1.4691E-01	1.8845E-05	5.4703E-01
STUDSVIK	0.0	0.0	0.0	5.3317E-01	0.0	0.0	0.0	5.8051E-01
TUBS(DATUBS4)	3.8430E-01	1.3370E-01	6.4560E-06	5.1790E-01	4.0560E-01	1.5370E-01	1.7640E-05	5.5930E-01
TUBS(DATUBS5)	3.7380E-01	1.3460E-01	6.3550E-06	5.0840E-01	3.9420E-01	1.5560E-01	1.7500E-05	5.4990E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU239 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.0300E-01	6.9900E-02	2.5900E-05	2.7300E-01	1.6300E-01	6.4600E-02	6.1000E-05	2.2700E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.9830E-01	7.0760E-02	3.0320E-05	2.6910E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.9850E-01	7.3440E-02	3.3940E-05	2.7200E-01	1.5090E-01	6.6370E-02	6.9410E-05	2.2550E-01
HITACHI(J2)	1.9620E-01	7.7350E-02	3.0160E-05	2.7360E-01	1.5680E-01	7.0680E-02	9.0590E-05	2.2760E-01
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.9489E-01	7.5942E-02	5.2090E-06	2.7083E-01	1.5895E-01	6.8573E-02	1.6778E-05	2.2754E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.8945E-01	6.3881E-02	2.4949E-05	2.5336E-01	1.5061E-01	5.7548E-02	5.5270E-05	2.0822E-01
KFK(1985LIB.)	1.9077E-01	6.3382E-02	2.2230E-05	2.5418E-01	1.5225E-01	5.7396E-02	4.9498E-05	2.0969E-01
MAPI-CRC	2.0330E-01	7.4190E-02	2.3160E-05	2.7750E-01	1.6560E-01	6.5650E-02	4.7750E-05	2.3130E-01
NAIG	1.9976E-01	6.6396E-02	2.5200E-05	2.6618E-01	1.5845E-01	6.5035E-02	6.5100E-05	2.2355E-01
PNC	2.0590E-01	6.0490E-02	2.3880E-05	2.6640E-01	1.6410E-01	5.8030E-02	5.6800E-05	2.2220E-01
PSI(BOXER)	2.0460E-01	7.3166E-02	2.9301E-05	2.7780E-01	1.6440E-01	6.6491E-02	6.5504E-05	2.3096E-01
PSI(DANDE)	2.0367E-01	7.8847E-02	2.8050E-05	2.8055E-01	1.6383E-01	7.1917E-02	6.7720E-05	2.3581E-01
STUDSVIK	0.0	0.0	0.0	2.7245E-01	0.0	0.0	0.0	2.3046E-01
TUBS(DATUBS4)	1.9430E-01	7.6350E-02	2.9350E-05	2.7070E-01	1.5730E-01	7.3730E-02	6.7850E-05	2.3110E-01
TUBS(DATUBS5)	1.9550E-01	7.9500E-02	2.9980E-05	2.7500E-01	1.5840E-01	7.7250E-02	6.9760E-05	2.3570E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU240 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.7000E-02	1.3600E-02	2.4600E-05	5.0600E-02	3.1500E-02	1.3300E-02	6.1000E-05	4.4900E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.6280E-02	1.3010E-02	4.4320E-05	4.9330E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	3.6710E-02	1.4230E-02	6.5710E-05	5.1010E-02	3.1530E-02	1.3880E-02	9.0480E-05	4.5500E-02
HITACHI(J2)	3.8360E-02	1.5550E-02	4.8080E-05	5.3950E-02	3.2750E-02	1.5290E-02	8.0000E-05	4.8120E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	3.8091E-02	1.5336E-02	7.9267E-06	5.3435E-02	3.3090E-02	1.4754E-02	2.7518E-05	4.7872E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.8433E-02	1.0756E-02	3.6016E-05	4.9226E-02	3.2576E-02	1.0387E-02	8.1903E-05	4.3045E-02
KFK(1985LIB.)	3.8866E-02	1.0719E-02	3.2158E-05	4.9618E-02	3.3001E-02	1.0372E-02	7.2768E-05	4.3446E-02
MAPI-CRC	3.9360E-02	1.4630E-02	3.8320E-05	5.4030E-02	3.4100E-02	1.3510E-02	7.8700E-05	4.7690E-02
NAIG	3.8559E-02	1.1999E-02	3.9500E-05	5.0598E-02	3.2539E-02	1.2463E-02	9.8600E-05	4.5101E-02
PNC	4.0750E-02	1.2020E-02	3.5480E-05	5.2800E-02	3.4530E-02	1.2110E-02	8.6540E-05	4.6720E-02
PSI(BOXER)	3.8704E-02	1.4168E-02	4.1213E-05	5.2913E-02	3.3285E-02	1.3567E-02	9.3620E-05	4.6946E-02
PSI(DANDE)	3.8304E-02	1.4958E-02	4.2640E-05	5.3305E-02	3.2594E-02	1.4587E-02	1.0333E-04	4.7284E-02
STUDSVIK	0.0	0.0	0.0	4.2000E-02	0.0	0.0	0.0	3.7670E-02
TUBS(DATUBS4)	3.5420E-02	1.4350E-02	5.3210E-05	4.9820E-02	3.0170E-02	1.4380E-02	1.2260E-04	4.4670E-02
TUBS(DATUBS5)	3.6570E-02	1.5600E-02	5.3720E-05	5.2230E-02	3.1180E-02	1.5890E-02	1.2450E-04	4.7200E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU241 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.8300E-02	1.9600E-02	6.9100E-06	6.8000E-02	5.1500E-02	2.3900E-02	2.0300E-05	7.5400E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	4.9100E-02	2.0560E-02	9.6120E-06	6.9670E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	4.8850E-02	2.1480E-02	8.4410E-06	7.0330E-02	5.1410E-02	2.5270E-02	2.8070E-05	7.6700E-02
HITACHI(J2)	4.9800E-02	2.1640E-02	7.3010E-06	7.1450E-02	5.1940E-02	2.5500E-02	3.0010E-05	7.7470E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	4.8462E-02	2.0844E-02	2.3317E-06	6.9308E-02	5.1626E-02	2.4285E-02	8.3852E-06	7.5917E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.6573E-02	1.7103E-02	6.7269E-06	6.3683E-02	4.9074E-02	2.0378E-02	1.8608E-05	6.9472E-02
KFK(1985LIB.)	4.5902E-02	1.6630E-02	5.6156E-06	6.2538E-02	4.8589E-02	1.9936E-02	1.5593E-05	6.8540E-02
MAPI-CRC	5.0100E-02	2.0940E-02	6.6280E-06	7.1050E-02	5.2910E-02	2.3460E-02	1.6930E-05	7.6390E-02
NAIG	5.0137E-02	1.7753E-02	7.5000E-06	6.7897E-02	5.2805E-02	2.2836E-02	2.3900E-05	7.5665E-02
PNC	5.0860E-02	1.7340E-02	6.6540E-06	6.8210E-02	5.3520E-02	2.1590E-02	1.9850E-05	7.5130E-02
PSI(BOXER)	4.9837E-02	2.0591E-02	7.9777E-06	7.0436E-02	5.3231E-02	2.4703E-02	2.2236E-05	7.7956E-02
PSI(DANDE)	5.0392E-02	2.1232E-02	9.0029E-06	7.1633E-02	5.3367E-02	2.6173E-02	2.6276E-05	7.9566E-02
STUDSVIK	0.0	0.0	0.0	6.5260E-02	0.0	0.0	0.0	7.4220E-02
TUBS(DATUBS4)	4.8180E-02	2.1120E-02	1.7550E-05	6.9320E-02	5.0330E-02	2.6200E-02	4.6850E-05	7.6580E-02
TUBS(DATUBS5)	4.8640E-02	2.1140E-02	1.9840E-05	6.9800E-02	5.0270E-02	2.6040E-02	5.2500E-05	7.6370E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU242 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	7.1900E-03	2.4700E-03	2.8500E-05	9.6900E-03	6.5200E-03	2.5700E-03	6.2200E-05	9.1500E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	7.1890E-03	2.5680E-03	3.2270E-05	9.7890E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	7.2220E-03	2.7110E-03	3.6820E-05	9.9700E-03	6.6300E-03	2.7700E-03	1.2010E-04	9.5190E-03
HITACHI(J2)	8.7210E-03	3.6220E-03	1.7100E-05	1.2360E-02	8.0100E-03	3.6840E-03	8.0620E-05	1.1780E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	8.5252E-03	3.5340E-03	1.0070E-05	1.2069E-02	7.9889E-03	3.5876E-03	2.8204E-05	1.1605E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	8.4273E-03	2.8930E-03	2.8763E-05	1.1349E-02	7.9698E-03	3.0460E-03	6.3247E-05	1.1079E-02
KFK(1985LIB.)	7.5295E-03	2.5564E-03	3.6967E-05	1.0123E-02	6.7491E-03	2.5587E-03	7.9632E-05	9.3875E-03
MAPI-CRC	8.9720E-03	3.4850E-03	2.0920E-05	1.2480E-02	8.3500E-03	3.3820E-03	4.6200E-05	1.1780E-02
NAIG	8.9397E-03	2.9852E-03	2.3300E-05	1.1948E-02	8.1634E-03	3.2337E-03	5.8300E-05	1.1455E-02
PNC	9.1930E-03	2.8860E-03	1.8590E-05	1.2100E-02	8.5650E-03	3.0930E-03	4.6850E-05	1.1710E-02
PSI(BOXER)	6.8749E-03	2.5369E-03	4.9014E-05	9.4608E-03	6.1642E-03	2.5309E-03	1.0543E-04	8.8005E-03
PSI(DANDE)	8.6071E-03	3.4437E-03	3.9276E-05	1.2090E-02	7.8964E-03	3.5797E-03	9.0795E-05	1.1567E-02
STUDSVIK	0.0	0.0	0.0	9.2000E-03	0.0	0.0	0.0	8.7700E-03
TUBS(DATUBS4)	8.0100E-03	2.8550E-03	3.1870E-05	1.0900E-02	7.3870E-03	3.0680E-03	7.0590E-05	1.0530E-02
TUBS(DATUBS5)	8.2890E-03	3.5350E-03	3.2070E-05	1.1860E-02	7.6700E-03	3.8610E-03	7.1740E-05	1.1600E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF AM241 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.7200E-03	1.2600E-03	3.1500E-06	3.9800E-03	2.5900E-03	1.3600E-03	7.9100E-06	3.9600E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.6550E-03	1.4030E-03	3.2500E-06	3.0600E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	3.2420E-03	1.4390E-03	4.1930E-06	4.6860E-03	3.0800E-03	1.5170E-03	7.0510E-06	4.6040E-03
HITACHI(J2)	3.1610E-03	1.5170E-03	2.6050E-06	4.6810E-03	2.9810E-03	1.6040E-03	8.3710E-06	4.5930E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	3.0194E-03	1.4208E-03	7.1201E-07	4.4409E-03	2.8991E-03	1.4862E-03	2.4319E-06	4.3877E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.7791E-03	1.1762E-03	2.7308E-06	3.9580E-03	2.6005E-03	1.2378E-03	6.6018E-06	3.8450E-03
KFK(1985LIB.)	2.7699E-03	1.1580E-03	2.2597E-06	3.9301E-03	2.5975E-03	1.2227E-03	5.4836E-06	3.8257E-03
MAPI-CRC	3.4320E-03	1.5950E-03	3.0260E-06	5.0290E-03	3.2700E-03	1.6010E-03	6.6890E-06	4.8780E-03
NAIG	1.7079E-03	1.3298E-03	4.0000E-06	3.0420E-03	1.6058E-03	1.5270E-03	1.0600E-05	3.1430E-03
PNC	3.5810E-03	1.3610E-03	2.9510E-06	4.9450E-03	3.3890E-03	1.5120E-03	7.7080E-06	4.9080E-03
PSI(BOXER)	1.7395E-03	1.4916E-03	3.4917E-06	3.2346E-03	1.6806E-03	1.5824E-03	8.4887E-06	3.2715E-03
PSI(DANDE)	3.0912E-03	1.3530E-03	3.2492E-06	4.4474E-03	2.9173E-03	1.4839E-03	8.3765E-06	4.4095E-03
STUDSVIK	0.0	0.0	0.0	2.4200E-03	0.0	0.0	0.0	2.4100E-03
TUBS(DATUBS4)	2.7220E-03	1.3160E-03	3.2230E-06	4.0860E-03	2.5480E-03	1.5090E-03	8.0390E-06	4.0650E-03
TUBS(DATUBS5)	3.0130E-03	1.3540E-03	3.2720E-06	4.3700E-03	2.7860E-03	1.4940E-03	8.1610E-06	4.2880E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF AM243 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.2300E-03	1.4600E-03	9.5700E-06	3.7000E-03	2.3500E-03	1.7500E-03	2.5100E-05	4.1200E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.8520E-03	1.2950E-03	9.3600E-06	3.1560E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	3.5790E-03	1.8110E-03	1.3590E-05	5.4030E-03	3.7020E-03	2.0890E-03	2.0620E-05	5.8120E-03
HITACHI(J2)	3.3990E-03	1.8570E-03	7.7690E-06	5.2630E-03	3.4970E-03	2.1490E-03	2.2750E-05	5.6690E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	3.3176E-03	1.7711E-03	2.0552E-06	5.0908E-03	3.4555E-03	2.0154E-03	7.2422E-06	5.4780E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.8139E-03	1.4446E-03	7.1883E-06	4.2658E-03	2.7675E-03	1.5948E-03	1.7443E-05	4.3798E-03
KFK(1985LIB.)	4.1818E-03	2.1214E-03	8.9002E-06	6.3121E-03	4.5334E-03	2.5838E-03	2.3235E-05	7.1404E-03
MAPI-CRC	3.1510E-03	1.6270E-03	6.9000E-06	4.7850E-03	3.3860E-03	1.8430E-03	1.6250E-05	5.2450E-03
NAIG	1.7890E-03	1.0727E-03	5.9000E-06	2.8680E-03	1.8707E-03	1.4019E-03	1.7600E-05	3.2900E-03
PNC	0.0	1.0650E-03	6.1870E-06	1.0710E-03	0.0	1.2820E-03	1.6560E-05	1.2980E-03
PSI(BOXER)	2.6229E-03	1.7343E-03	1.0209E-05	4.3674E-03	2.8294E-03	2.0904E-03	2.6623E-05	4.9464E-03
PSI(DANDE)	3.7128E-03	1.9357E-03	9.7679E-06	5.6582E-03	3.8701E-03	2.3468E-03	2.6336E-05	6.2433E-03
STUDSVIK	0.0	0.0	0.0	4.3700E-03	0.0	0.0	0.0	4.8700E-03
TUBS(DATUBS4)	1.8650E-03	1.2830E-03	5.0780E-06	3.1540E-03	1.9420E-03	1.5960E-03	1.3710E-05	3.5510E-03
TUBS(DATUBS5)	1.8570E-03	1.3770E-03	5.1900E-06	3.2390E-03	1.9210E-03	1.7130E-03	1.4050E-05	3.6480E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF CM244 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	9.7800E-04	2.8700E-04	1.5300E-08	1.2600E-03	1.2200E-03	4.1800E-04	5.0000E-08	1.6400E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	6.5550E-04	2.3090E-04	1.1250E-08	8.8640E-04	0.0	0.0	0.0	0.0
HITACHI(B4)	7.2310E-04	2.6200E-04	2.1400E-08	9.8520E-04	8.4590E-04	3.4620E-04	6.9970E-08	1.1920E-03
HITACHI(J2)	6.7920E-04	2.6890E-04	1.3070E-08	9.4810E-04	7.8160E-04	3.5940E-04	5.7140E-08	1.1410E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	6.8532E-04	2.6123E-04	8.2478E-09	9.4656E-04	8.1579E-04	3.5212E-04	3.2643E-08	1.1679E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	7.4456E-04	2.4019E-04	1.4719E-08	9.8478E-04	8.5605E-04	3.1590E-04	4.2846E-08	1.1720E-03
KFK(1985LIB.)	1.0754E-03	3.4202E-04	1.6789E-08	1.4175E-03	1.3805E-03	5.0184E-04	5.4426E-08	1.8824E-03
MAPI-CRC	6.7320E-04	2.5710E-04	1.3950E-08	9.3030E-04	8.2090E-04	3.3730E-04	3.9600E-08	1.1580E-03
NAIG	5.2090E-04	1.7120E-04	0.0	6.9200E-04	6.3400E-04	2.6930E-04	0.0	9.0300E-04
PNC	0.0	1.9910E-04	1.1300E-08	1.9910E-04	0.0	2.8480E-04	3.5090E-08	2.8490E-04
PSI(BOXER)	8.4883E-04	2.7767E-04	1.7352E-08	1.1265E-03	1.0734E-03	3.9723E-04	5.5396E-08	1.4707E-03
PSI(DANDE)	7.7686E-04	5.8735E-05	1.9256E-08	8.3562E-04	9.1162E-04	1.1104E-04	6.0557E-08	1.0227E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	4.8750E-04	2.0600E-04	1.1780E-08	6.9350E-04	6.0630E-04	3.0390E-04	3.7650E-08	9.1020E-04
TUBS(DATUBS5)	4.6740E-04	2.1540E-04	1.1530E-08	6.8280E-04	5.7950E-04	3.1960E-04	3.7140E-08	8.9910E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF FP-TOTAL (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.6600E-02	1.2000E-02	1.2900E-05	2.8600E-02	1.7000E-02	1.4000E-02	3.2500E-05	3.1000E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.7320E-02	1.2169E-02	7.9760E-06	2.9499E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.5180E-02	1.2050E-02	3.1770E-05	2.7270E-02	1.5510E-02	1.3760E-02	3.8970E-05	2.9300E-02
HITACHI(J2)	1.4930E-02	1.2760E-02	1.0600E-05	2.7710E-02	1.5260E-02	1.4670E-02	3.9000E-05	2.9940E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.5541E-02	1.2786E-02	2.4615E-06	2.8329E-02	1.6387E-02	1.4679E-02	8.6471E-06	3.1075E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.0006E-02	7.2462E-03	7.1217E-06	1.7259E-02	1.0243E-02	8.3101E-03	1.7628E-05	1.8571E-02
KFK(1985LIB.)	1.2878E-02	9.6193E-03	6.9484E-06	2.2504E-02	1.3220E-02	1.1033E-02	1.6948E-05	2.4271E-02
MAPI-CRC	7.3160E-04	2.5540E-02	8.1550E-06	2.6280E-02	7.6390E-04	2.8860E-02	1.8380E-05	2.9650E-02
NAIG	1.5568E-02	1.0749E-02	9.9000E-06	2.6324E-02	1.5814E-02	1.3528E-02	2.7900E-05	2.9369E-02
PNC	5.5700E-04	2.0100E-02	7.3660E-06	2.0670E-02	5.6100E-04	2.3290E-02	1.9140E-05	2.3870E-02
PSI(BOXER)	1.4091E-02	1.2920E-02	6.1871E-06	2.7017E-02	1.4472E-02	1.4783E-02	1.4641E-05	2.9270E-02
PSI(DANDE)	1.5765E-02	1.3356E-02	1.0804E-05	2.9132E-02	1.6294E-02	1.5879E-02	2.8572E-05	3.2202E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.3680E-02	1.1190E-02	1.1200E-05	2.4880E-02	1.3880E-02	1.3530E-02	2.7910E-05	2.7440E-02
TUBS(DATUBS5)	1.3370E-02	1.1740E-02	1.1130E-05	2.5120E-02	1.3560E-02	1.4270E-02	2.8010E-05	2.7860E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U235 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.6200E-03	1.6500E-03	5.5100E-07	6.2700E-03	4.9500E-03	2.0100E-03	1.6100E-06	6.9600E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.6640E-03	1.8140E-03	7.0140E-07	6.4780E-03	4.9890E-03	2.1560E-03	2.1340E-06	7.1470E-03
HITACHI(J2)	4.5790E-03	1.9440E-03	5.0440E-07	6.5240E-03	4.9010E-03	2.3310E-03	2.0690E-06	7.2340E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	4.4584E-03	1.8909E-03	1.7334E-07	6.3493E-03	4.8624E-03	2.2454E-03	6.3777E-07	7.1084E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.4613E-03	1.5437E-03	4.5063E-07	6.0056E-03	4.7344E-03	1.8416E-03	1.2412E-06	6.5773E-03
KFK(1985LIB.)	4.4533E-03	1.5209E-03	3.7161E-07	5.9747E-03	4.7308E-03	1.8192E-03	1.0211E-06	6.5511E-03
MAPI-CRC	4.6640E-03	1.9080E-03	4.6040E-07	6.5720E-03	5.0380E-03	2.1750E-03	1.1870E-06	7.2140E-03
NAIG	4.6264E-03	1.6496E-03	6.0000E-07	6.2770E-03	4.8973E-03	2.1267E-03	1.8000E-06	7.0260E-03
PNC	5.1360E-03	1.6480E-03	4.4330E-07	6.7850E-03	5.4730E-03	2.0420E-03	1.3250E-06	7.5170E-03
PSI(BOXER)	4.7156E-03	1.7283E-03	5.3740E-07	6.4444E-03	5.0489E-03	2.0723E-03	1.4890E-06	7.1227E-03
PSI(DANDE)	4.5975E-03	1.8526E-03	5.8943E-07	6.4507E-03	4.9312E-03	2.2889E-03	1.7337E-06	7.2218E-03
STUDSVIK	0.0	0.0	0.0	6.5700E-03	0.0	0.0	0.0	7.3700E-03
TUBS(DATUBS4)	4.5510E-03	1.8010E-03	5.4440E-07	6.3530E-03	4.8270E-03	2.2570E-03	1.5570E-06	7.0860E-03
TUBS(DATUBS5)	4.4090E-03	1.8700E-03	5.4000E-07	6.2800E-03	4.6810E-03	2.3590E-03	1.5580E-06	7.0410E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U238 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.4700E-02	0.0	5.8000E-15	6.4700E-02	7.0500E-02	0.0	1.1000E-14	7.0500E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	6.2810E-02	7.1340E-06	7.4430E-13	6.2820E-02	6.8430E-02	7.8290E-06	2.0360E-12	6.8440E-02
HITACHI(J2)	6.4550E-02	1.8190E-05	4.2390E-12	6.4570E-02	6.9180E-02	2.0750E-05	1.6220E-11	6.9200E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	6.8999E-02	1.9272E-05	0.0	6.9019E-02	7.3435E-02	2.2628E-05	0.0	7.3458E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.6766E-02	0.0	0.0	6.6767E-02	7.2659E-02	0.0	0.0	7.2661E-02
KFK(1985LIB.)	6.6345E-02	0.0	0.0	6.6346E-02	7.2499E-02	0.0	0.0	7.2500E-02
MAPI-CRC	7.0980E-02	1.7240E-05	4.6430E-12	7.0990E-02	7.7230E-02	2.0280E-05	1.1500E-11	7.7250E-02
NAIG	7.0709E-02	1.3700E-05	0.0	7.0723E-02	7.3885E-02	1.8900E-05	0.0	7.3904E-02
PNC	6.7370E-02	0.0	0.0	6.7370E-02	7.2610E-02	0.0	0.0	7.2610E-02
PSI(BOXER)	6.9227E-02	1.4220E-05	4.8968E-12	6.9241E-02	7.5305E-02	1.5843E-05	1.2997E-11	7.5321E-02
PSI(DANDE)	6.4068E-02	1.7126E-05	5.6799E-12	6.4085E-02	7.0413E-02	2.0611E-05	1.6114E-11	7.0434E-02
STUDSVIK	0.0	0.0	0.0	7.3040E-02	0.0	0.0	0.0	7.8870E-02
TUBS(DATUBS4)	6.6980E-02	3.3610E-06	0.0	6.6980E-02	7.4750E-02	3.9260E-06	0.0	7.4760E-02
TUBS(DATUBS5)	6.8260E-02	2.1750E-05	5.0120E-12	6.8280E-02	7.5900E-02	2.5180E-05	1.3920E-11	7.5920E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU239 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.7200E-01	3.8400E-02	1.9100E-05	2.1100E-01	1.3800E-01	3.5700E-02	4.4500E-05	1.7400E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.6830E-01	4.0420E-02	2.5020E-05	2.0870E-01	1.3490E-01	3.6640E-02	5.1580E-05	1.7160E-01
HITACHI(J2)	1.6590E-01	4.2850E-02	2.2220E-05	2.0880E-01	1.3250E-01	3.9260E-02	6.4660E-05	1.7180E-01
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.6475E-01	4.1898E-02	4.2964E-06	2.0665E-01	1.3393E-01	3.7942E-02	1.3367E-05	1.7188E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.6418E-01	3.5295E-02	1.8340E-05	1.9950E-01	1.3023E-01	3.1928E-02	4.0131E-05	1.6220E-01
KFK(1985LIB.)	1.6539E-01	3.5051E-02	1.6048E-05	2.0046E-01	1.3169E-01	3.1856E-02	3.5342E-05	1.6358E-01
MAPI-CRC	1.7310E-01	4.1040E-02	1.7590E-05	2.1410E-01	1.4050E-01	3.6460E-02	3.5760E-05	1.7700E-01
NAIG	1.7125E-01	3.7632E-02	1.9100E-05	2.0891E-01	1.3575E-01	3.6917E-02	4.8200E-05	1.7272E-01
PNC	1.7660E-01	3.3520E-02	1.7810E-05	2.1010E-01	1.4030E-01	3.2270E-02	4.1800E-05	1.7260E-01
PSI(BOXER)	1.7591E-01	3.9851E-02	2.1196E-05	2.1578E-01	1.4095E-01	3.6363E-02	4.6896E-05	1.7736E-01
PSI(DANDE)	1.7254E-01	4.3351E-02	2.1708E-05	2.1591E-01	1.3840E-01	4.0812E-02	5.1504E-05	1.7926E-01
STUDSVIK	0.0	0.0	0.0	2.1198E-01	0.0	0.0	0.0	1.7707E-01
TUBS(DATUBS4)	1.6500E-01	4.2600E-02	2.1230E-05	2.0760E-01	1.3370E-01	4.1060E-02	4.8560E-05	1.7480E-01
TUBS(DATUBS5)	1.6450E-01	4.4480E-02	2.2270E-05	2.0900E-01	1.3340E-01	4.3180E-02	5.1230E-05	1.7660E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU240 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.9700E-02	8.5300E-04	4.9800E-09	2.0500E-02	1.6800E-02	7.8500E-04	1.2300E-08	1.7600E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.9350E-02	8.8450E-04	1.2960E-08	2.0240E-02	1.6680E-02	8.1590E-04	1.6200E-08	1.7500E-02
HITACHI(J2)	1.8990E-02	1.0070E-03	9.7010E-09	2.0000E-02	1.6180E-02	9.1840E-04	1.6690E-08	1.7100E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.9387E-02	1.0166E-03	1.6841E-09	2.0404E-02	1.6599E-02	9.0631E-04	5.7649E-09	1.7505E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.9943E-02	5.9937E-04	6.8418E-09	2.0542E-02	1.6876E-02	5.5890E-04	1.5520E-08	1.7435E-02
KFK(1985LIB.)	2.0200E-02	5.9668E-04	6.0749E-09	2.0797E-02	1.7133E-02	5.5993E-04	1.3720E-08	1.7693E-02
MAPI-CRC	2.0670E-02	8.9200E-04	7.8330E-09	2.1560E-02	1.7790E-02	7.8870E-04	1.6070E-08	1.8580E-02
NAIG	2.0504E-02	5.8650E-04	0.0	2.1090E-02	1.7286E-02	5.5140E-04	0.0	1.7838E-02
PNC	2.2330E-02	7.3600E-04	7.2590E-09	2.3070E-02	1.8760E-02	6.8520E-04	1.7660E-08	1.9440E-02
PSI(BOXER)	2.2037E-02	8.2590E-04	8.1674E-09	2.2863E-02	1.8805E-02	7.6697E-04	1.8525E-08	1.9572E-02
PSI(DANDE)	1.9474E-02	8.8487E-04	8.7428E-09	2.0359E-02	1.6397E-02	8.2745E-04	2.1126E-08	1.7224E-02
STUDSVIK	0.0	0.0	0.0	2.0920E-02	0.0	0.0	0.0	1.8080E-02
TUBS(DATUBS4)	1.8700E-02	8.0820E-04	1.0290E-08	1.9510E-02	1.6130E-02	7.9760E-04	2.3660E-08	1.6930E-02
TUBS(DATUBS5)	1.8050E-02	9.3900E-04	1.0800E-08	1.8980E-02	1.5590E-02	9.4350E-04	2.5000E-08	1.6530E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU241 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.1800E-02	1.5300E-02	6.0400E-06	5.7100E-02	4.4600E-02	1.8600E-02	1.7600E-05	6.3100E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.2180E-02	1.6860E-02	7.4590E-06	5.8840E-02	4.4390E-02	1.9600E-02	2.4460E-05	6.4010E-02
HITACHI(J2)	4.2500E-02	1.7050E-02	5.8230E-06	5.9560E-02	4.4350E-02	2.0080E-02	2.4130E-05	6.4450E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	4.1397E-02	1.6435E-02	1.9592E-06	5.7834E-02	4.4063E-02	1.9123E-02	7.0140E-06	6.3194E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.0222E-02	1.3193E-02	5.5079E-06	5.3421E-02	4.2342E-02	1.5712E-02	1.5159E-05	5.8069E-02
KFK(1985LIB.)	3.9649E-02	1.2828E-02	4.5362E-06	5.2482E-02	4.1931E-02	1.5372E-02	1.2535E-05	5.7315E-02
MAPI-CRC	4.2940E-02	1.6500E-02	5.4810E-06	5.9450E-02	4.5320E-02	1.8480E-02	1.3920E-05	6.3810E-02
NAIG	4.2889E-02	1.4011E-02	6.3000E-06	5.6906E-02	4.5162E-02	1.7969E-02	1.9700E-05	6.3151E-02
PNC	4.3620E-02	1.3680E-02	5.4630E-06	5.7310E-02	4.5870E-02	1.6990E-02	1.6200E-05	6.2880E-02
PSI(BOXER)	4.3327E-02	1.5962E-02	6.8133E-06	5.9296E-02	4.6236E-02	1.9162E-02	1.8877E-05	6.5417E-02
PSI(DANDE)	4.3096E-02	1.6707E-02	7.3363E-06	5.9810E-02	4.5619E-02	2.0580E-02	2.1327E-05	6.6220E-02
STUDSVIK	0.0	0.0	0.0	5.4580E-02	0.0	0.0	0.0	6.1850E-02
TUBS(DATUBS4)	4.1720E-02	1.6530E-02	1.3050E-05	5.8260E-02	4.3610E-02	2.0520E-02	3.4970E-05	6.4160E-02
TUBS(DATUBS5)	4.1530E-02	1.6650E-02	1.3170E-05	5.8200E-02	4.2940E-02	2.0500E-02	3.5180E-05	6.3480E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU242 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.2100E-03	0.0	0.0	4.2100E-03	3.8300E-03	0.0	0.0	3.8300E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.2040E-03	0.0	0.0	4.2040E-03	3.8740E-03	0.0	0.0	3.8740E-03
HITACHI(J2)	3.8620E-03	3.1650E-05	1.2610E-08	3.8940E-03	3.5380E-03	3.1780E-05	5.7540E-08	3.5700E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	3.9170E-03	3.0861E-05	7.1310E-09	3.9479E-03	3.6018E-03	3.0844E-05	2.0125E-08	3.6326E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.1343E-03	1.0319E-05	7.2388E-12	4.1447E-03	3.8992E-03	1.0719E-05	1.7336E-11	3.9100E-03
KFK(1985LIB.)	3.7007E-03	9.1142E-06	5.0574E-12	3.7099E-03	3.3103E-03	8.9950E-06	1.1469E-11	3.3194E-03
MAPI-CRC	4.2650E-03	2.6740E-05	1.5200E-08	4.2910E-03	3.9310E-03	2.5970E-05	3.3510E-08	3.9570E-03
NAIG	4.2804E-03	2.4400E-05	0.0	4.3050E-03	3.9025E-03	2.8300E-05	0.0	3.9310E-03
PNC	4.6050E-03	2.2230E-05	6.1670E-08	4.6270E-03	4.2400E-03	2.3950E-05	1.5290E-07	4.2640E-03
PSI(BOXER)	4.2869E-03	0.0	0.0	4.2869E-03	3.8331E-03	0.0	0.0	3.8331E-03
PSI(DANDE)	3.9205E-03	2.5904E-05	2.6293E-08	3.9464E-03	3.5521E-03	2.6817E-05	6.0787E-08	3.5790E-03
STUDSVIK	0.0	0.0	0.0	3.9900E-03	0.0	0.0	0.0	3.5900E-03
TUBS(DATUBS4)	3.7650E-03	2.8190E-05	9.5440E-12	3.7940E-03	3.5350E-03	2.9070E-05	2.3010E-11	3.5640E-03
TUBS(DATUBS5)	3.7220E-03	2.9140E-05	2.1470E-08	3.7510E-03	3.4990E-03	3.1410E-05	4.8030E-08	3.5310E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF AM241 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.2500E-04	1.1800E-05	1.1300E-08	5.3700E-04	5.0300E-04	1.2500E-05	2.8100E-08	5.1600E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	5.6060E-04	1.3330E-05	2.0280E-08	5.7390E-04	5.3980E-04	1.4250E-05	2.9960E-08	5.5410E-04
HITACHI(J2)	5.3320E-04	1.4030E-05	1.3330E-08	5.4730E-04	5.0410E-04	1.5030E-05	3.6890E-08	5.1920E-04
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	5.4343E-04	1.3171E-05	2.9580E-09	5.5660E-04	5.1120E-04	1.3869E-05	1.0136E-08	5.2507E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	5.4787E-04	9.0252E-06	1.2734E-08	5.5692E-04	5.1598E-04	9.4394E-06	3.1020E-08	5.2546E-04
KFK(1985LIB.)	5.4655E-04	8.8874E-06	1.0727E-08	5.5546E-04	5.1658E-04	9.3257E-06	2.6156E-08	5.2594E-04
MAPI-CRC	6.2590E-04	1.4860E-05	1.3670E-08	6.4440E-04	6.0050E-04	1.5020E-05	2.9860E-08	6.1560E-04
NAIG	6.1730E-04	1.5500E-04	0.0	7.7200E-04	5.8220E-04	1.6480E-04	0.0	7.4700E-04
PNC	6.8890E-04	1.2720E-05	1.2720E-08	7.0160E-04	6.4780E-04	1.4230E-05	3.3460E-08	6.6200E-04
PSI(BOXER)	6.4640E-04	1.6444E-04	1.3287E-08	8.1085E-04	6.2679E-04	1.6903E-04	3.2354E-08	7.9585E-04
PSI(DANDE)	4.6543E-04	1.0141E-05	1.5748E-08	4.7559E-04	4.3899E-04	1.1036E-05	4.0789E-08	4.5006E-04
STUDSVIK	0.0	0.0	0.0	4.6000E-04	0.0	0.0	0.0	4.4000E-04
TUBS(DATUBS4)	5.4420E-04	1.2470E-05	1.1740E-08	5.5670E-04	5.2520E-04	1.3670E-05	2.9650E-08	5.3890E-04
TUBS(DATUBS5)	4.7630E-04	1.0120E-05	1.8970E-08	4.8640E-04	4.5380E-04	1.1130E-05	4.7700E-08	4.6500E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF AM243 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.0400E-04	2.1100E-06	0.0	6.0600E-04	6.4000E-04	2.5300E-06	0.0	6.4200E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	6.1250E-04	5.5290E-06	3.9460E-08	6.1800E-04	6.4280E-04	6.3790E-06	6.1850E-08	6.4920E-04
HITACHI(J2)	5.6680E-04	5.6710E-06	1.9480E-08	5.7250E-04	5.8480E-04	6.5630E-06	6.5980E-08	5.9140E-04
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	5.9362E-04	5.4082E-06	6.0886E-09	5.9903E-04	6.0528E-04	6.1545E-06	2.1413E-08	6.1145E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.2069E-04	2.6885E-06	4.7454E-11	6.2339E-04	6.1289E-04	2.8226E-06	1.1744E-10	6.1572E-04
KFK(1985LIB.)	9.2374E-04	3.9447E-06	5.4843E-11	9.2770E-04	1.0068E-03	4.5768E-06	1.4935E-10	1.0114E-03
MAPI-CRC	5.7650E-04	4.9700E-06	2.0030E-08	5.8150E-04	6.1980E-04	5.6280E-06	4.7280E-08	6.2550E-04
NAIG	5.6590E-04	0.0	0.0	5.6600E-04	5.9150E-04	0.0	0.0	5.9200E-04
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	8.5595E-04	0.0	0.0	8.5595E-04	9.2253E-04	0.0	0.0	9.2253E-04
PSI(DANDE)	5.2993E-04	1.9086E-06	6.4241E-09	5.3184E-04	5.5261E-04	2.2689E-06	1.7340E-08	5.5490E-04
STUDSVIK	0.0	0.0	0.0	8.4000E-04	0.0	0.0	0.0	8.8000E-04
TUBS(DATUBS4)	5.7270E-04	0.0	0.0	5.7270E-04	6.1330E-04	0.0	0.0	6.1330E-04
TUBS(DATUBS5)	5.6350E-04	0.0	0.0	5.6350E-04	5.9820E-04	0.0	0.0	5.9820E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF CM244 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.9800E-04	9.6300E-06	3.0500E-10	4.0700E-04	4.9900E-04	1.3800E-05	1.0100E-09	5.1300E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	3.8290E-04	1.1460E-05	1.1800E-09	3.9440E-04	4.4910E-04	1.5020E-05	3.6540E-09	4.6420E-04
HITACHI(J2)	3.5330E-04	1.1760E-05	7.7380E-10	3.6510E-04	4.0540E-04	1.5480E-05	3.0890E-09	4.2090E-04
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	3.6573E-04	1.1600E-05	3.3629E-10	3.7733E-04	4.2950E-04	1.5274E-05	1.3537E-09	4.4477E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.9690E-04	1.2736E-05	4.1352E-10	4.0964E-04	4.5550E-04	1.6379E-05	1.2225E-09	4.7188E-04
KFK(1985LIB.)	5.7427E-04	1.8161E-05	4.7813E-10	5.9244E-04	7.3622E-04	2.6098E-05	1.5787E-09	7.6233E-04
MAPI-CRC	3.7010E-04	1.0930E-05	7.7160E-10	3.8110E-04	4.4880E-04	1.4250E-05	2.1930E-09	4.6310E-04
NAIG	3.6330E-04	1.7700E-05	0.0	3.8100E-04	4.4170E-04	2.5100E-05	0.0	4.6700E-04
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	6.0342E-04	8.5797E-06	1.0296E-09	6.1200E-04	7.6081E-04	1.2445E-05	3.2860E-09	7.7326E-04
PSI(DANDE)	3.9158E-04	6.9620E-07	5.3193E-10	3.9228E-04	4.5405E-04	2.2296E-06	1.7040E-09	4.5628E-04
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	3.2800E-04	1.8910E-05	6.9890E-10	3.4690E-04	4.1170E-04	2.6590E-05	2.2330E-09	4.3830E-04
TUBS(DATUBS5)	3.1250E-04	1.9730E-05	6.8390E-10	3.3220E-04	3.9070E-04	2.7810E-05	2.2030E-09	4.1850E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U235 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.1400E-02	3.9900E-03	1.3300E-06	1.5400E-02	1.2200E-02	4.8600E-03	3.8800E-06	1.7100E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.1273E-02	4.1454E-03	1.8909E-06	1.5422E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.1500E-02	4.3880E-03	1.6970E-06	1.5890E-02	1.2300E-02	5.2160E-03	5.1630E-06	1.7520E-02
HITACHI(J2)	1.1310E-02	4.7220E-03	1.2250E-06	1.6030E-02	1.2110E-02	5.6620E-03	5.0240E-06	1.7780E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.1027E-02	4.5932E-03	4.2096E-07	1.5620E-02	1.2025E-02	5.4544E-03	1.5489E-06	1.7481E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.1043E-02	3.7411E-03	1.0920E-06	1.4786E-02	1.1722E-02	4.4629E-03	3.0075E-06	1.6188E-02
KFK(1985LIB.)	1.1022E-02	3.6859E-03	9.0047E-07	1.4709E-02	1.1712E-02	4.4088E-03	2.4743E-06	1.6123E-02
MAPI-CRC	1.1540E-02	4.6340E-03	1.1180E-06	1.6170E-02	1.2470E-02	5.2820E-03	2.8820E-06	1.7750E-02
NAIG	1.1459E-02	4.0196E-03	1.4000E-06	1.5480E-02	1.2129E-02	5.1821E-03	4.3000E-06	1.7316E-02
PNC	1.2730E-02	4.0180E-03	1.0780E-06	1.6750E-02	1.3560E-02	4.9770E-03	3.2230E-06	1.8540E-02
PSI(BOXER)	1.1653E-02	4.1809E-03	1.2999E-06	1.5835E-02	1.2479E-02	5.0133E-03	3.6016E-06	1.7496E-02
PSI(DANDE)	1.1372E-02	4.5143E-03	1.4363E-06	1.5887E-02	1.2201E-02	5.5773E-03	4.2244E-06	1.7782E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.1270E-02	4.3890E-03	1.3270E-06	1.5660E-02	1.1960E-02	5.5000E-03	3.7950E-06	1.7470E-02
TUBS(DATUBS5)	1.0910E-02	4.5570E-03	1.3160E-06	1.5470E-02	1.1590E-02	5.7490E-03	3.7970E-06	1.7340E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U238 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.8000E-01	0.0	8.7000E-15	1.8000E-01	1.9600E-01	0.0	2.5000E-14	1.9600E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.8620E-01	2.8299E-07	0.0	1.8620E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.7350E-01	1.6550E-05	1.7270E-12	1.7350E-01	1.8940E-01	1.8160E-05	4.7220E-12	1.8940E-01
HITACHI(J2)	1.7850E-01	4.2190E-05	9.8320E-12	1.7850E-01	1.9200E-01	4.8140E-05	3.7620E-11	1.9200E-01
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.9158E-01	4.4719E-05	0.0	1.9162E-01	2.0448E-01	5.2489E-05	0.0	2.0453E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.8527E-01	0.0	0.0	1.8527E-01	2.0187E-01	0.0	0.0	2.0187E-01
KFK(1985LIB.)	1.8383E-01	0.0	0.0	1.8383E-01	2.0114E-01	0.0	0.0	2.0114E-01
MAPI-CRC	1.9750E-01	4.0010E-05	1.0770E-11	1.9750E-01	2.1560E-01	4.7050E-05	2.6670E-11	2.1560E-01
NAIG	1.9694E-01	9.7000E-06	0.0	1.9695E-01	2.0572E-01	1.1500E-05	0.0	2.0573E-01
PNC	1.8630E-01	0.0	0.0	1.8630E-01	2.0140E-01	0.0	0.0	2.0140E-01
PSI(BOXER)	1.9176E-01	3.2985E-05	1.1358E-11	1.9180E-01	2.0908E-01	3.0750E-05	3.0147E-11	2.0911E-01
PSI(DANDE)	1.7752E-01	3.9732E-05	1.3162E-11	1.7756E-01	1.9575E-01	4.7816E-05	3.7343E-11	1.9580E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.8710E-01	7.7970E-06	0.0	1.8710E-01	2.0930E-01	9.1070E-06	0.0	2.0930E-01
TUBS(DATUBS5)	1.8970E-01	5.0470E-05	1.1620E-11	1.8980E-01	2.1150E-01	5.8410E-05	3.2290E-11	2.1160E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU239 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	5.0800E-01	1.1000E-01	5.5000E-05	6.1800E-01	4.0700E-01	1.0300E-01	1.2800E-04	5.1000E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	4.9775E-01	1.1379E-01	6.4309E-05	6.1165E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	4.9530E-01	1.1620E-01	7.2020E-05	6.1160E-01	3.9720E-01	1.0530E-01	1.4820E-04	5.0260E-01
HITACHI(J2)	4.8910E-01	1.2350E-01	6.4020E-05	6.1260E-01	3.9080E-01	1.1310E-01	1.8630E-04	5.0410E-01
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	4.8675E-01	1.2068E-01	1.2376E-05	6.0743E-01	3.9566E-01	1.0928E-01	3.8504E-05	5.0498E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.8602E-01	1.0183E-01	5.2930E-05	5.8791E-01	3.8568E-01	9.2117E-02	1.1581E-04	4.7791E-01
KFK(1985LIB.)	4.8952E-01	1.0113E-01	4.6312E-05	5.9070E-01	3.8998E-01	9.1910E-02	1.0198E-04	4.8200E-01
MAPI-CRC	5.1130E-01	1.1830E-01	5.0660E-05	6.2960E-01	4.1530E-01	1.0500E-01	1.0300E-04	5.2040E-01
NAIG	5.0639E-01	1.0838E-01	5.5000E-05	6.1482E-01	4.0142E-01	1.0632E-01	1.3900E-04	5.0788E-01
PNC	5.2130E-01	9.6570E-02	5.1290E-05	6.1800E-01	4.1430E-01	9.2970E-02	1.2040E-04	5.0740E-01
PSI(BOXER)	5.1901E-01	1.1452E-01	6.0902E-05	6.3360E-01	4.1605E-01	1.0449E-01	1.3475E-04	5.2068E-01
PSI(DANDE)	5.0636E-01	1.2355E-01	6.2191E-05	6.2997E-01	4.0633E-01	1.1627E-01	1.4758E-04	5.2274E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	4.8660E-01	1.2240E-01	6.0990E-05	6.0910E-01	3.9470E-01	1.1800E-01	1.3950E-04	5.1290E-01
TUBS(DATUBS5)	4.8300E-01	1.2680E-01	6.3820E-05	6.0990E-01	3.9200E-01	1.2300E-01	1.4680E-04	5.1520E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU240 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.0600E-02	2.4500E-03	1.4300E-08	6.3000E-02	5.1700E-02	2.2500E-03	3.5300E-08	5.4000E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	6.0127E-02	2.3967E-03	2.3411E-08	6.2523E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	5.9520E-02	2.5390E-03	3.7200E-08	6.2500E-02	5.1380E-02	2.3420E-03	5.2240E-08	5.3720E-02
HITACHI(J2)	5.6960E-02	2.8030E-03	2.7000E-08	5.9760E-02	4.8610E-02	2.5570E-03	4.6460E-08	5.1160E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	5.8350E-02	2.8305E-03	4.6883E-09	6.1181E-02	5.0006E-02	2.5233E-03	1.6048E-08	5.2530E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.2013E-02	1.7267E-03	1.9701E-08	6.3741E-02	5.2554E-02	1.6101E-03	4.4690E-08	5.4165E-02
KFK(1985LIB.)	6.2769E-02	1.7189E-03	1.7492E-08	6.4489E-02	5.3324E-02	1.6131E-03	3.9503E-08	5.4937E-02
MAPI-CRC	6.2110E-02	2.4840E-03	2.1810E-08	6.4600E-02	5.3550E-02	2.1960E-03	4.4740E-08	5.5750E-02
NAIG	6.2126E-02	1.6442E-03	0.0	6.3770E-02	5.2372E-02	1.5459E-03	1.0000E-07	5.3918E-02
PNC	6.6670E-02	2.0490E-03	2.0210E-08	6.8720E-02	5.6090E-02	1.9080E-03	4.9150E-08	5.8000E-02
PSI(BOXER)	6.7805E-02	2.3706E-03	2.3439E-08	7.0176E-02	5.7942E-02	2.2014E-03	5.3163E-08	6.0143E-02
PSI(DANDE)	5.8320E-02	2.4636E-03	2.4338E-08	6.0784E-02	4.9239E-02	2.3038E-03	5.8811E-08	5.1543E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	5.7960E-02	2.3200E-03	2.9540E-08	6.0280E-02	5.0100E-02	2.2890E-03	6.7910E-08	5.2390E-02
TUBS(DATUBS5)	5.4480E-02	2.5920E-03	3.0060E-08	5.7070E-02	4.7150E-02	2.6270E-03	6.9610E-08	4.9780E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU241 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2500E-01	4.4700E-02	1.7700E-05	1.7000E-01	1.3300E-01	5.4400E-02	5.1700E-05	1.8800E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.2716E-01	4.7240E-02	2.4395E-05	1.7444E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.2590E-01	4.8850E-02	2.1870E-05	1.7480E-01	1.3260E-01	5.7490E-02	7.1730E-05	1.9010E-01
HITACHI(J2)	1.2680E-01	5.0000E-02	1.7220E-05	1.7680E-01	1.3230E-01	5.8880E-02	7.0750E-05	1.9130E-01
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.2361E-01	4.8199E-02	5.7451E-06	1.7182E-01	1.3155E-01	5.6084E-02	2.0567E-05	1.8765E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.1995E-01	3.8595E-02	1.6099E-05	1.5856E-01	1.2630E-01	4.5965E-02	4.4307E-05	1.7231E-01
KFK(1985LIB.)	1.1823E-01	3.7530E-02	1.3259E-05	1.5577E-01	1.2507E-01	4.4971E-02	3.6638E-05	1.7008E-01
MAPI-CRC	1.2830E-01	4.8390E-02	1.6070E-05	1.7670E-01	1.3540E-01	5.4190E-02	4.0820E-05	1.8970E-01
NAIG	1.2817E-01	4.1090E-02	1.8400E-05	1.6928E-01	1.3496E-01	5.2698E-02	5.7900E-05	1.8772E-01
PNC	1.3040E-01	4.0110E-02	1.6020E-05	1.7050E-01	1.3710E-01	4.9820E-02	4.7510E-05	1.8690E-01
PSI(BOXER)	1.2964E-01	4.6811E-02	1.9978E-05	1.7647E-01	1.3838E-01	5.6196E-02	5.5352E-05	1.9463E-01
PSI(DANDE)	1.2860E-01	4.8996E-02	2.1512E-05	1.7762E-01	1.3615E-01	6.0355E-02	6.2536E-05	1.9657E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.2470E-01	4.8470E-02	3.8250E-05	1.7320E-01	1.3050E-01	6.0170E-02	1.0250E-04	1.9070E-01
TUBS(DATUBS5)	1.2400E-01	4.8840E-02	3.8620E-05	1.7280E-01	1.2830E-01	6.0130E-02	1.0320E-04	1.8850E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU242 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2800E-02	0.0	0.0	1.2800E-02	1.1700E-02	0.0	0.0	1.1700E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.3016E-02	0.0	0.0	1.3016E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.2780E-02	0.0	0.0	1.2780E-02	1.1800E-02	0.0	0.0	1.1800E-02
HITACHI(J2)	1.1760E-02	8.8870E-05	3.5400E-08	1.1850E-02	1.0790E-02	8.9230E-05	1.6160E-07	1.0880E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.1963E-02	8.6666E-05	2.0024E-08	1.2050E-02	1.1015E-02	8.6618E-05	5.6510E-08	1.1101E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.3022E-02	2.9735E-05	2.0861E-11	1.3052E-02	1.2302E-02	3.0887E-05	4.9957E-11	1.2333E-02
KFK(1985LIB.)	1.1647E-02	2.6263E-05	1.4575E-11	1.1674E-02	1.0437E-02	2.5920E-05	3.3053E-11	1.0463E-02
MAPI-CRC	1.3000E-02	7.5090E-05	4.2670E-08	1.3080E-02	1.2010E-02	7.2940E-05	9.4080E-08	1.2080E-02
NAIG	1.3058E-02	6.8400E-05	0.0	1.3127E-02	1.1904E-02	7.9400E-05	1.0000E-07	1.1983E-02
PNC	1.3930E-02	6.2430E-05	1.7320E-07	1.4000E-02	1.2850E-02	6.7250E-05	4.2940E-07	1.2920E-02
PSI(BOXER)	1.3036E-02	0.0	0.0	1.3036E-02	1.1676E-02	0.0	0.0	1.1676E-02
PSI(DANDE)	1.1917E-02	7.2746E-05	7.3831E-08	1.1990E-02	1.0830E-02	7.5312E-05	1.7089E-07	1.0906E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.1640E-02	7.9220E-05	2.6820E-11	1.1720E-02	1.0950E-02	8.1690E-05	6.4660E-11	1.1040E-02
TUBS(DATUBS5)	1.1400E-02	8.1840E-05	6.0300E-08	1.1480E-02	1.0740E-02	8.8200E-05	1.3490E-07	1.0830E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF AM241 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.7900E-03	3.6300E-05	3.4800E-08	1.8200E-03	1.7200E-03	3.8700E-05	8.6800E-08	1.7600E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.9304E-03	4.9614E-04	3.6491E-08	2.4267E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.9680E-03	4.2960E-05	6.5380E-08	2.0110E-03	1.8980E-03	4.5960E-05	9.6590E-08	1.9440E-03
HITACHI(J2)	1.8770E-03	4.5240E-05	4.2980E-08	1.9220E-03	1.7780E-03	4.8450E-05	1.1890E-07	1.8270E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.9186E-03	4.2463E-05	9.5350E-09	1.9611E-03	1.8073E-03	4.4713E-05	3.2673E-08	1.8520E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.8874E-03	2.8101E-05	3.9604E-08	1.9156E-03	1.7807E-03	2.9393E-05	9.6481E-08	1.8102E-03
KFK(1985LIB.)	1.8811E-03	2.7672E-05	3.3364E-08	1.9088E-03	1.7812E-03	2.9039E-05	8.1350E-08	1.8104E-03
MAPI-CRC	2.2210E-03	4.7910E-05	4.4060E-08	2.2690E-03	2.1230E-03	4.8430E-05	9.6270E-08	2.1720E-03
NAIG	2.0646E-03	4.7890E-04	1.0000E-07	2.5440E-03	1.9457E-03	5.0930E-04	1.0000E-07	2.4550E-03
PNC	2.4120E-03	4.1010E-05	4.1010E-08	2.4530E-03	2.2720E-03	4.5880E-05	1.0780E-07	2.3180E-03
PSI(BOXER)	2.1571E-03	5.0819E-04	4.1056E-08	2.6654E-03	2.0924E-03	5.2239E-04	9.9975E-08	2.6149E-03
PSI(DANDE)	1.6944E-03	3.3775E-05	5.2441E-08	1.7282E-03	1.6030E-03	3.6754E-05	1.3583E-07	1.6399E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.8600E-03	3.8540E-05	3.6290E-08	1.8990E-03	1.7990E-03	4.2250E-05	9.1630E-08	1.8420E-03
TUBS(DATUBS5)	1.7420E-03	3.3690E-05	6.3180E-08	1.7750E-03	1.6630E-03	3.7070E-05	1.5890E-07	1.7010E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF AM243 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.2100E-03	6.9100E-06	0.0	2.2100E-03	2.3400E-03	8.2700E-06	0.0	2.3500E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.8502E-03	0.0	0.0	1.8502E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	2.1630E-03	1.7750E-05	1.2660E-07	2.1810E-03	2.2740E-03	2.0480E-05	1.9850E-07	2.2950E-03
HITACHI(J2)	2.0090E-03	1.8200E-05	6.2510E-08	2.0270E-03	2.0770E-03	2.1070E-05	2.1180E-07	2.0980E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	2.1102E-03	1.7360E-05	1.9541E-08	2.1275E-03	2.1551E-03	1.9755E-05	6.8725E-08	2.1749E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.9730E-03	7.5311E-06	1.3287E-10	1.9806E-03	1.9524E-03	7.9067E-06	3.2883E-10	1.9603E-03
KFK(1985LIB.)	2.9330E-03	1.1050E-05	1.5356E-10	2.9440E-03	3.2038E-03	1.2821E-05	4.1819E-10	3.2167E-03
MAPI-CRC	2.0490E-03	1.5950E-05	6.4270E-08	2.0650E-03	2.2080E-03	1.8070E-05	1.5170E-07	2.2260E-03
NAIG	1.8790E-03	0.0	0.0	1.8790E-03	1.9636E-03	0.0	0.0	1.9640E-03
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	2.8484E-03	0.0	0.0	2.8484E-03	3.0754E-03	0.0	0.0	3.0754E-03
PSI(DANDE)	1.8199E-03	5.8509E-06	1.9684E-08	1.8258E-03	1.9048E-03	6.9554E-06	5.3131E-08	1.9118E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.9160E-03	0.0	0.0	1.9160E-03	2.0570E-03	0.0	0.0	2.0570E-03
TUBS(DATUBS5)	1.8900E-03	0.0	0.0	1.8900E-03	2.0120E-03	0.0	0.0	2.0120E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF CM244 (BURNUP=30GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.4900E-03	3.3500E-05	1.0600E-09	1.5200E-03	1.8700E-03	4.7900E-05	3.5000E-09	1.9200E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.5337E-03	7.6405E-05	2.0994E-09	1.6096E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.3400E-03	3.7150E-05	3.8240E-09	1.3770E-03	1.5740E-03	4.8670E-05	1.1840E-08	1.6220E-03
HITACHI(J2)	1.2390E-03	3.8120E-05	2.5070E-09	1.2770E-03	1.4240E-03	5.0180E-05	1.0010E-08	1.4740E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.2866E-03	3.7592E-05	1.0896E-09	1.3242E-03	1.5125E-03	4.9497E-05	4.3859E-09	1.5620E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.3940E-03	4.0189E-05	1.1940E-09	1.4342E-03	1.6024E-03	5.1471E-05	3.5297E-09	1.6539E-03
KFK(1985LIB.)	2.0155E-03	5.7300E-05	1.3804E-09	2.0728E-03	2.5882E-03	8.2005E-05	4.5578E-09	2.6702E-03
MAPI-CRC	1.2990E-03	3.5430E-05	2.5000E-09	1.3350E-03	1.5790E-03	4.6190E-05	7.1040E-09	1.6250E-03
NAIG	1.2403E-03	5.7200E-05	0.0	1.2970E-03	1.5078E-03	8.1000E-05	0.0	1.5890E-03
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	2.0537E-03	2.7714E-05	3.3255E-09	2.0815E-03	2.5925E-03	4.0200E-05	1.0614E-08	2.6327E-03
PSI(DANDE)	1.3756E-03	1.5395E-05	1.7235E-09	1.3910E-03	1.6002E-03	2.3769E-05	5.5210E-09	1.6240E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.1220E-03	6.1090E-05	2.2580E-09	1.1840E-03	1.4120E-03	8.5910E-05	7.2130E-09	1.4980E-03
TUBS(DATUBS5)	1.0710E-03	6.3740E-05	2.2090E-09	1.1350E-03	1.3420E-03	8.9830E-05	7.1140E-09	1.4320E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U235 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.3700E-03	1.7100E-03	5.1600E-07	6.0800E-03	4.7500E-03	2.1400E-03	1.5400E-06	6.8900E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	4.3030E-03	1.7590E-03	7.6560E-07	6.0640E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	4.4440E-03	1.9050E-03	6.7760E-07	6.3500E-03	4.8350E-03	2.3190E-03	1.4600E-06	7.1550E-03
HITACHI(J2)	4.3340E-03	2.0430E-03	1.2540E-06	6.3770E-03	4.7160E-03	2.5240E-03	1.9380E-06	7.2420E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	4.2232E-03	1.9829E-03	1.7386E-07	6.2062E-03	4.6758E-03	2.4254E-03	6.6304E-07	7.1017E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.2881E-03	1.6224E-03	4.5055E-07	5.9110E-03	4.5788E-03	1.9803E-03	1.2735E-06	6.5604E-03
KFK(1985LIB.)	4.2758E-03	1.5847E-03	3.7332E-07	5.8609E-03	4.5694E-03	1.9383E-03	1.0534E-06	6.5089E-03
MAPI-CRC	4.4520E-03	1.9920E-03	4.6330E-07	6.4450E-03	4.8910E-03	2.3300E-03	1.2290E-06	7.2230E-03
NAIG	4.4020E-03	1.6602E-03	6.0000E-07	6.0630E-03	4.7193E-03	2.2074E-03	1.8000E-06	6.9290E-03
PNC	4.9610E-03	1.6120E-03	4.5480E-07	6.5730E-03	5.3650E-03	2.0580E-03	1.3830E-06	7.4240E-03
PSI(BOXER)	4.4799E-03	1.8133E-03	5.2903E-07	6.2937E-03	4.8572E-03	2.2354E-03	1.5080E-06	7.0941E-03
PSI(DANDE)	4.4031E-03	1.9685E-03	5.6147E-07	6.3722E-03	4.8019E-03	2.5120E-03	1.6880E-06	7.3155E-03
STUDSVIK	0.0	0.0	0.0	6.4000E-03	0.0	0.0	0.0	7.3300E-03
TUBS(DATUBS4)	4.3490E-03	1.9030E-03	5.1040E-07	6.2520E-03	4.6460E-03	2.4330E-03	1.5000E-06	7.0810E-03
TUBS(DATUBS5)	4.2510E-03	1.9950E-03	5.0450E-07	6.2470E-03	4.5510E-03	2.5720E-03	1.4950E-06	7.1250E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF U238 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.7600E-01	1.3100E-01	5.0300E-06	5.0800E-01	4.0100E-01	1.4800E-01	1.4400E-05	5.4900E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.8620E-01	1.2570E-01	6.1890E-07	5.1190E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	3.7920E-01	1.2470E-01	6.8920E-06	5.0390E-01	4.0630E-01	1.4460E-01	1.3870E-05	5.5090E-01
HITACHI(J2)	3.7170E-01	1.2410E-01	1.2020E-05	4.9580E-01	3.9660E-01	1.4650E-01	1.5550E-05	5.4320E-01
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	3.6617E-01	1.3575E-01	1.8244E-06	5.0192E-01	3.9815E-01	1.4949E-01	6.7276E-06	5.4765E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.7562E-01	1.2330E-01	4.7970E-06	4.9892E-01	4.0516E-01	1.4189E-01	1.3204E-05	5.4707E-01
KFK(1985LIB.)	3.7565E-01	1.2096E-01	3.8080E-06	4.9662E-01	4.0587E-01	1.3981E-01	1.0491E-05	5.4570E-01
MAPI-CRC	3.7080E-01	1.1970E-01	4.8120E-06	4.9050E-01	4.0190E-01	1.3610E-01	1.2150E-05	5.3800E-01
NAIG	4.0786E-01	1.1239E-01	5.5000E-06	5.2025E-01	4.2871E-01	1.2985E-01	1.6800E-05	5.5857E-01
PNC	4.3020E-01	1.0410E-01	4.5850E-06	5.3430E-01	4.6060E-01	1.1670E-01	1.3310E-05	5.7730E-01
PSI(BOXER)	3.7187E-01	1.2768E-01	4.9639E-06	4.9955E-01	4.0094E-01	1.4299E-01	1.3665E-05	5.4394E-01
PSI(DANDE)	3.6795E-01	1.2804E-01	5.7161E-06	4.9599E-01	3.9621E-01	1.4633E-01	1.6346E-05	5.4256E-01
STUDSVIK	0.0	0.0	0.0	5.2847E-01	0.0	0.0	0.0	5.8256E-01
TUBS(DATUBS4)	3.7810E-01	1.3240E-01	5.9180E-06	5.1060E-01	4.0270E-01	1.5510E-01	1.6540E-05	5.5790E-01
TUBS(DATUBS5)	3.6700E-01	1.3250E-01	5.7580E-06	4.9950E-01	3.9070E-01	1.5620E-01	1.6210E-05	5.4690E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU239 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.9600E-01	6.6700E-02	2.3200E-05	2.6300E-01	1.4800E-01	5.8700E-02	5.3400E-05	2.0700E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.9010E-01	6.7180E-02	2.8180E-05	2.5730E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.8940E-01	6.9580E-02	2.5640E-05	2.5900E-01	1.4260E-01	5.9440E-02	5.0120E-05	2.0210E-01
HITACHI(J2)	1.8640E-01	7.2620E-02	3.7870E-05	2.5910E-01	1.3940E-01	6.2890E-02	5.6260E-05	2.0230E-01
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.8680E-01	7.2067E-02	4.4693E-06	2.5887E-01	1.4263E-01	6.1870E-02	1.4253E-05	2.0451E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.8286E-01	6.1110E-02	2.2896E-05	2.4400E-01	1.3568E-01	5.2300E-02	4.9916E-05	1.8803E-01
KFK(1985LIB.)	1.8501E-01	6.0320E-02	2.0453E-05	2.4535E-01	1.3817E-01	5.2031E-02	4.5002E-05	1.9025E-01
MAPI-CRC	1.9580E-01	6.9770E-02	2.0960E-05	2.6560E-01	1.5040E-01	5.9160E-02	4.2550E-05	2.0960E-01
NAIG	1.9227E-01	6.3008E-02	2.2600E-05	2.5530E-01	1.4266E-01	5.8627E-02	5.7500E-05	2.0134E-01
PNC	1.9720E-01	5.6990E-02	2.2040E-05	2.5420E-01	1.4710E-01	5.1970E-02	5.1250E-05	1.9910E-01
PSI(BOXER)	1.9649E-01	6.8728E-02	2.6801E-05	2.6524E-01	1.4782E-01	5.9614E-02	5.8911E-05	2.0749E-01
PSI(DANDE)	1.9578E-01	7.2832E-02	2.4729E-05	2.6864E-01	1.4806E-01	6.5089E-02	5.8609E-05	2.1321E-01
STUDSVIK	0.0	0.0	0.0	2.6164E-01	0.0	0.0	0.0	2.0808E-01
TUBS(DATUBS4)	1.8610E-01	7.2960E-02	2.7100E-05	2.5910E-01	1.4180E-01	6.7300E-02	6.1900E-05	2.0920E-01
TUBS(DATUBS5)	1.8900E-01	7.6200E-02	2.7650E-05	2.6520E-01	1.4460E-01	7.0990E-02	6.3640E-05	2.1570E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU240 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.7700E-02	1.3600E-02	2.1700E-05	5.1400E-02	3.0700E-02	1.2900E-02	5.3600E-05	4.3700E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.6630E-02	1.2970E-02	4.0970E-05	4.9640E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	3.7290E-02	1.4300E-02	4.4070E-05	5.1620E-02	3.0740E-02	1.3520E-02	7.8300E-05	4.4340E-02
HITACHI(J2)	3.8960E-02	1.5560E-02	7.2580E-05	5.4590E-02	3.1790E-02	1.4880E-02	9.0920E-05	4.6770E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	3.8683E-02	1.5399E-02	6.9520E-06	5.4089E-02	3.2174E-02	1.4420E-02	2.4761E-05	4.6618E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.8920E-02	1.0783E-02	3.3104E-05	4.9737E-02	3.1314E-02	1.0087E-02	7.5576E-05	4.1476E-02
KFK(1985LIB.)	3.9737E-02	1.0721E-02	2.9625E-05	5.0488E-02	3.2099E-02	1.0068E-02	6.7450E-05	4.2236E-02
MAPI-CRC	4.0060E-02	1.4460E-02	3.4850E-05	5.4550E-02	3.3260E-02	1.2980E-02	7.1850E-05	4.6310E-02
NAIG	3.8954E-02	1.1925E-02	3.5700E-05	5.0915E-02	3.1352E-02	1.2027E-02	8.9100E-05	4.3469E-02
PNC	4.1360E-02	1.1950E-02	3.2790E-05	5.3340E-02	3.3430E-02	1.1650E-02	7.9640E-05	4.5160E-02
PSI(BOXER)	3.9537E-02	1.4146E-02	3.7918E-05	5.3721E-02	3.2480E-02	1.3198E-02	8.6339E-05	4.5764E-02
PSI(DANDE)	3.8434E-02	1.4785E-02	3.7640E-05	5.3256E-02	3.1197E-02	1.4002E-02	9.0956E-05	4.5290E-02
STUDSVIK	0.0	0.0	0.0	4.3440E-02	0.0	0.0	0.0	3.7370E-02
TUBS(DATUBS4)	3.5830E-02	1.4480E-02	4.9870E-05	5.0360E-02	2.8960E-02	1.4010E-02	1.1550E-04	4.3090E-02
TUBS(DATUBS5)	3.6830E-02	1.5560E-02	4.9810E-05	5.2440E-02	2.9920E-02	1.5370E-02	1.1620E-04	4.5410E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU241 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.8200E-02	1.9300E-02	6.2400E-06	6.7500E-02	5.3600E-02	2.4700E-02	1.9500E-05	7.8300E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	4.9460E-02	2.0500E-02	9.2280E-06	6.9980E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	4.8880E-02	2.1280E-02	7.1510E-06	7.0170E-02	5.3720E-02	2.6190E-02	1.7280E-05	7.9920E-02
HITACHI(J2)	4.9780E-02	2.1360E-02	1.4630E-05	7.1160E-02	5.3850E-02	2.6350E-02	2.3560E-05	8.0230E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	4.8676E-02	2.0714E-02	2.0829E-06	6.9393E-02	5.3728E-02	2.5295E-02	8.0180E-06	7.9028E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.6672E-02	1.6961E-02	6.2619E-06	6.3640E-02	5.0967E-02	2.1231E-02	1.8527E-05	7.2217E-02
KFK(1985LIB.)	4.5874E-02	1.6308E-02	5.2078E-06	6.2187E-02	5.0424E-02	2.0585E-02	1.5538E-05	7.1025E-02
MAPI-CRC	5.0560E-02	2.0580E-02	6.2100E-06	7.1150E-02	5.5470E-02	2.4150E-02	1.6820E-05	7.9630E-02
NAIG	5.0131E-02	1.7504E-02	6.9000E-06	6.7642E-02	5.4908E-02	2.3686E-02	2.3400E-05	7.8617E-02
PNC	5.1480E-02	1.7190E-02	6.3690E-06	6.8680E-02	5.6000E-02	2.2290E-02	1.9960E-05	7.8310E-02
PSI(BOXER)	5.1259E-02	2.0737E-02	7.5670E-06	7.2004E-02	5.7026E-02	2.6275E-02	2.2627E-05	8.3324E-02
PSI(DANDE)	5.0241E-02	2.0832E-02	7.9387E-06	7.1081E-02	5.5334E-02	2.6968E-02	2.4523E-05	8.2327E-02
STUDSVIK	0.0	0.0	0.0	6.3930E-02	0.0	0.0	0.0	7.6610E-02
TUBS(DATUBS4)	4.8560E-02	2.1200E-02	1.6650E-05	6.9780E-02	5.2570E-02	2.7550E-02	4.6760E-05	8.0170E-02
TUBS(DATUBS5)	4.8950E-02	2.1070E-02	1.8620E-05	7.0040E-02	5.2250E-02	2.7100E-02	5.1550E-05	7.9400E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF PU242 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.7700E-03	2.3000E-03	2.5800E-05	9.0900E-03	6.2700E-03	2.4700E-03	5.7000E-05	8.8000E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	6.8470E-03	2.4200E-03	3.0320E-05	9.2970E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	6.9170E-03	2.5710E-03	2.5230E-05	9.5130E-03	6.5780E-03	2.7410E-03	5.3690E-05	9.3720E-03
HITACHI(J2)	8.6350E-03	3.5300E-03	6.2050E-05	1.2230E-02	8.1900E-03	3.7680E-03	4.0130E-05	1.2000E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	8.2874E-03	3.4048E-03	9.0087E-06	1.1701E-02	8.0392E-03	3.6253E-03	2.6348E-05	1.1691E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	8.3210E-03	2.8324E-03	2.6689E-05	1.1180E-02	8.2464E-03	3.1720E-03	6.1065E-05	1.1480E-02
KFK(1985LIB.)	6.9430E-03	2.3138E-03	3.3557E-05	9.2905E-03	6.3404E-03	2.3986E-03	7.4340E-05	8.8135E-03
MAPI-CRC	8.9240E-03	3.3780E-03	1.9620E-05	1.2320E-02	8.5670E-03	3.4090E-03	4.4340E-05	1.2020E-02
NAIG	8.7236E-03	2.8742E-03	2.1400E-05	1.1619E-02	8.2405E-03	3.2633E-03	5.4600E-05	1.1558E-02
PNC	9.1300E-03	2.8130E-03	1.7540E-05	1.1960E-02	8.8860E-03	3.1740E-03	4.5700E-05	1.2110E-02
PSI(BOXER)	6.2627E-03	2.2583E-03	4.3824E-05	8.5648E-03	5.7558E-03	2.3523E-03	9.7074E-05	8.2052E-03
PSI(DANDE)	8.2985E-03	3.2786E-03	3.6484E-05	1.1614E-02	7.8468E-03	3.5531E-03	8.6753E-05	1.1487E-02
STUDSVIK	0.0	0.0	0.0	8.1800E-03	0.0	0.0	0.0	8.0100E-03
TUBS(DATUBS4)	7.5640E-03	2.6950E-03	2.9320E-05	1.0290E-02	7.1890E-03	3.0210E-03	6.6720E-05	1.0280E-02
TUBS(DATUBS5)	8.0010E-03	3.3880E-03	2.9490E-05	1.1420E-02	7.6470E-03	3.8690E-03	6.7820E-05	1.1580E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF AM241 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.7900E-03	1.7300E-03	3.7400E-06	5.5200E-03	3.6200E-03	1.8900E-03	9.6400E-06	5.5200E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.2530E-03	1.8890E-03	4.0790E-06	4.1460E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	4.5720E-03	2.0070E-03	4.3410E-06	6.5840E-03	4.3860E-03	2.1450E-03	8.1000E-06	6.5390E-03
HITACHI(J2)	4.4560E-03	2.1100E-03	6.6280E-06	6.5730E-03	4.2230E-03	2.2650E-03	7.2630E-06	6.4960E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	4.2649E-03	1.9858E-03	8.8033E-07	6.2514E-03	4.1031E-03	2.1060E-03	3.1299E-06	6.2121E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.9136E-03	1.6389E-03	3.5001E-06	5.5560E-03	3.6432E-03	1.7402E-03	8.6667E-06	5.3920E-03
KFK(1985LIB.)	3.9035E-03	1.6008E-03	2.9020E-06	5.5072E-03	3.6473E-03	1.7085E-03	7.2417E-06	5.3630E-03
MAPI-CRC	4.8630E-03	2.1980E-03	3.8000E-06	7.0650E-03	4.6580E-03	2.2370E-03	8.6210E-06	6.9030E-03
NAIG	2.3322E-03	1.7883E-03	4.9000E-06	4.1250E-03	2.1975E-03	2.0822E-03	1.3300E-05	4.2930E-03
PNC	5.0930E-03	1.8950E-03	3.8450E-06	6.9920E-03	4.8290E-03	2.1260E-03	1.0220E-05	6.9660E-03
PSI(BOXER)	2.4425E-03	2.0492E-03	4.4616E-06	4.4962E-03	2.3686E-03	2.2122E-03	1.1152E-05	4.5920E-03
PSI(DANDE)	4.3215E-03	1.8620E-03	3.9261E-06	6.1874E-03	4.0863E-03	2.0660E-03	1.0332E-05	6.1626E-03
STUDSVIK	0.0	0.0	0.0	3.4000E-03	0.0	0.0	0.0	3.3900E-03
TUBS(DATUBS4)	3.8240E-03	1.9050E-03	4.1540E-06	5.7330E-03	3.5810E-03	2.1360E-03	1.0610E-05	5.7280E-03
TUBS(DATUBS5)	4.2570E-03	1.8940E-03	4.1910E-06	6.1560E-03	3.9190E-03	2.1040E-03	1.0630E-05	6.0340E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF AM243 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.0300E-03	1.9500E-03	1.0600E-05	4.9900E-03	3.1400E-03	2.3300E-03	2.7700E-05	5.5000E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.5870E-03	1.7830E-03	1.1340E-05	4.3810E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	4.9080E-03	2.4600E-03	1.3120E-05	7.3800E-03	5.0620E-03	2.8320E-03	1.9580E-05	7.9120E-03
HITACHI(J2)	4.7390E-03	2.5500E-03	1.6830E-05	7.3060E-03	4.9100E-03	3.0100E-03	2.4680E-05	7.9440E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	4.5923E-03	2.4249E-03	2.3623E-06	7.0194E-03	4.7924E-03	2.7971E-03	8.6456E-06	7.5980E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.8780E-03	1.9696E-03	8.4743E-06	5.8561E-03	3.8378E-03	2.2184E-03	2.1220E-05	6.0775E-03
KFK(1985LIB.)	5.6381E-03	2.8052E-03	1.0195E-05	8.4536E-03	6.0511E-03	3.4304E-03	2.7015E-05	9.5086E-03
MAPI-CRC	4.3960E-03	2.2070E-03	7.9780E-06	6.6110E-03	4.7370E-03	2.5260E-03	1.9220E-05	7.2830E-03
NAIG	2.5862E-03	1.5245E-03	7.4000E-06	4.1180E-03	2.7095E-03	2.0224E-03	2.2500E-05	4.7540E-03
PNC	0.0	1.4970E-03	7.6230E-06	1.5050E-03	0.0	1.8270E-03	2.0810E-05	1.8480E-03
PSI(BOXER)	3.6647E-03	2.3651E-03	1.2137E-05	6.0419E-03	3.9168E-03	2.8684E-03	3.2006E-05	6.8172E-03
PSI(DANDE)	5.1416E-03	2.6466E-03	1.1089E-05	7.7993E-03	5.3589E-03	3.2287E-03	3.0307E-05	8.6179E-03
STUDSVIK	0.0	0.0	0.0	6.1700E-03	0.0	0.0	0.0	6.7900E-03
TUBS(DATUBS4)	2.6790E-03	1.8340E-03	6.3590E-06	4.5200E-03	2.7840E-03	2.3030E-03	1.7400E-05	5.1040E-03
TUBS(DATUBS5)	2.6870E-03	1.9710E-03	6.4640E-06	4.6650E-03	2.7820E-03	2.4830E-03	1.7730E-05	5.2830E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF CM244 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.0600E-03	5.9900E-04	2.8800E-08	2.6600E-03	2.6000E-03	8.8400E-04	9.5800E-08	3.4900E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.4610E-03	5.0610E-04	2.3620E-08	1.9670E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	1.5560E-03	5.4920E-04	4.1440E-08	2.1050E-03	1.8410E-03	7.4830E-04	9.3320E-08	2.5890E-03
HITACHI(J2)	1.4760E-03	5.7300E-04	7.2860E-08	2.0490E-03	1.7210E-03	7.8380E-04	1.0380E-07	2.5050E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.4730E-03	5.5353E-04	1.5756E-08	2.0265E-03	1.7792E-03	7.6749E-04	6.5151E-08	2.5467E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.5713E-03	5.0045E-04	2.8472E-08	2.0718E-03	1.8426E-03	6.8064E-04	8.6166E-08	2.5234E-03
KFK(1985LIB.)	2.2337E-03	6.9322E-04	3.1954E-08	2.9270E-03	2.8831E-03	1.0366E-03	1.0641E-07	3.9199E-03
MAPI-CRC	1.4310E-03	5.2980E-04	2.7250E-08	1.9610E-03	1.7650E-03	7.1000E-04	7.9220E-08	2.4750E-03
NAIG	1.1674E-03	3.7610E-04	0.0	1.5430E-03	1.4455E-03	6.0950E-04	1.0000E-07	2.0550E-03
PNC	0.0	4.2540E-04	2.3070E-08	4.2540E-04	0.0	6.2420E-04	7.3290E-08	6.2430E-04
PSI(BOXER)	1.8514E-03	5.8740E-04	3.4495E-08	2.4388E-03	2.3563E-03	8.5770E-04	1.1296E-07	3.2141E-03
PSI(DANDE)	1.6522E-03	1.1246E-04	3.5675E-08	1.7647E-03	1.9659E-03	2.1788E-04	1.1463E-07	2.1839E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.0860E-03	4.5550E-04	2.4520E-08	1.5420E-03	1.3640E-03	6.8470E-04	8.0410E-08	2.0490E-03
TUBS(DATUBS5)	1.0430E-03	4.7390E-04	2.3770E-08	1.5170E-03	1.3080E-03	7.1810E-04	7.8630E-08	2.0260E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ABSORPTION RATE OF FP-TOTAL (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.7000E-02	1.9000E-02	1.7000E-05	4.6000E-02	2.7800E-02	2.2600E-02	4.3800E-05	5.0400E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.7943E-02	1.9170E-02	1.0661E-05	4.7119E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	2.4630E-02	1.9100E-02	3.0920E-05	4.3770E-02	2.5440E-02	2.2110E-02	4.6560E-05	4.7600E-02
HITACHI(J2)	2.4250E-02	2.0260E-02	3.1000E-05	4.4500E-02	2.5010E-02	2.3660E-02	2.7800E-05	4.8740E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	2.5293E-02	2.0410E-02	3.4044E-06	4.5706E-02	2.6890E-02	2.3909E-02	1.2349E-05	5.0811E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.6022E-02	1.1309E-02	1.0223E-05	2.7342E-02	1.6508E-02	1.3227E-02	2.6144E-05	2.9761E-02
KFK(1985LIB.)	2.0935E-02	1.5253E-02	9.7784E-06	3.6198E-02	2.1647E-02	1.7844E-02	2.4663E-05	3.9516E-02
MAPI-CRC	1.2160E-03	3.7830E-02	1.1490E-05	3.9060E-02	1.3010E-03	4.3260E-02	2.6550E-05	4.4590E-02
NAIG	2.5185E-02	1.7037E-02	1.4200E-05	4.2237E-02	2.5796E-02	2.1875E-02	3.9500E-05	4.7708E-02
PNC	1.0120E-03	3.1620E-02	1.0530E-05	3.2640E-02	1.0660E-03	3.7420E-02	2.8080E-05	3.8500E-02
PSI(BOXER)	2.3133E-02	2.0632E-02	8.3367E-06	4.3773E-02	2.3898E-02	2.4003E-02	2.0309E-05	4.7921E-02
PSI(DANDE)	2.5844E-02	2.1245E-02	1.4675E-05	4.7103E-02	2.6932E-02	2.5612E-02	3.9240E-05	5.2583E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.2440E-02	1.8060E-02	1.5570E-05	4.0520E-02	2.2960E-02	2.2240E-02	3.9530E-05	4.5230E-02
TUBS(DATUBS5)	2.1900E-02	1.8830E-02	1.5340E-05	4.0740E-02	2.2410E-02	2.3320E-02	3.9250E-05	4.5770E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U235 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.4600E-03	1.2200E-03	3.7300E-07	4.6900E-03	3.7600E-03	1.5200E-03	1.1200E-06	5.2900E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	3.5190E-03	1.3550E-03	4.6090E-07	4.8750E-03	3.8270E-03	1.6430E-03	1.0610E-06	5.4700E-03
HITACHI(J2)	3.4300E-03	1.4370E-03	8.8410E-07	4.8680E-03	3.7290E-03	1.7690E-03	1.3700E-06	5.5000E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	3.3475E-03	1.4053E-03	1.1547E-07	4.7529E-03	3.6988E-03	1.7111E-03	4.4452E-07	5.4102E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	3.4110E-03	1.1688E-03	3.1697E-07	4.5802E-03	3.6407E-03	1.4218E-03	9.0301E-07	5.0635E-03
KFK(1985LIB.)	3.4033E-03	1.1414E-03	2.6088E-07	4.5450E-03	3.6358E-03	1.3925E-03	7.4309E-07	5.0290E-03
MAPI-CRC	3.5470E-03	1.4130E-03	3.2320E-07	4.9600E-03	3.8890E-03	1.6490E-03	8.6270E-07	5.5390E-03
NAIG	3.5270E-03	1.2406E-03	4.0000E-07	4.7680E-03	3.7788E-03	1.6387E-03	1.3000E-06	5.4190E-03
PNC	3.9500E-03	1.2430E-03	3.1950E-07	5.1930E-03	4.2640E-03	1.5720E-03	9.8140E-07	5.8360E-03
PSI(BOXER)	3.5843E-03	1.2870E-03	3.7496E-07	4.8717E-03	3.8791E-03	1.5833E-03	1.0788E-06	5.4635E-03
PSI(DANDE)	3.4929E-03	1.3886E-03	3.9391E-07	4.8818E-03	3.8014E-03	1.7626E-03	1.1952E-06	5.5653E-03
STUDSVIK	0.0	0.0	0.0	5.0200E-03	0.0	0.0	0.0	5.7200E-03
TUBS(DATUBS4)	3.4470E-03	1.3600E-03	3.8500E-07	4.8070E-03	3.6860E-03	1.7370E-03	1.1400E-06	5.4240E-03
TUBS(DATUBS5)	3.3590E-03	1.4120E-03	3.8000E-07	4.7710E-03	3.5990E-03	1.8180E-03	1.1340E-06	5.4180E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF U238 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.3100E-02	0.0	3.2000E-15	6.3100E-02	6.9100E-02	0.0	9.1000E-15	6.9100E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	6.1550E-02	6.8060E-06	6.5940E-13	6.1560E-02	6.7750E-02	7.7600E-05	1.2850E-12	6.7750E-02
HITACHI(J2)	6.4160E-02	1.8000E-05	1.0250E-11	6.4170E-02	6.9080E-02	2.0820E-05	1.3150E-11	6.9100E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	6.7531E-02	1.8802E-05	0.0	6.7550E-02	7.2182E-02	2.2616E-05	0.0	7.2204E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.5320E-02	0.0	0.0	6.5322E-02	7.1421E-02	0.0	0.0	7.1421E-02
KFK(1985LIB.)	6.5617E-02	0.0	0.0	6.5619E-02	7.2125E-02	0.0	0.0	7.2126E-02
MAPI-CRC	7.0350E-02	1.6570E-05	4.2160E-12	7.0370E-02	7.6910E-02	1.9860E-05	1.0670E-11	7.6930E-02
NAIG	7.0093E-02	1.3300E-05	0.0	7.0106E-02	7.3603E-02	1.8800E-05	0.0	7.3622E-02
PNC	6.6910E-02	0.0	0.0	6.6910E-02	7.2460E-02	0.0	0.0	7.2460E-02
PSI(BOXER)	6.8517E-02	1.3796E-05	4.3831E-12	6.8531E-02	7.4921E-02	1.5912E-05	1.1897E-11	7.4937E-02
PSI(DANDE)	6.2705E-02	1.6604E-05	4.8544E-12	6.2722E-02	6.9192E-02	2.0403E-05	1.4005E-11	6.9212E-02
STUDSVIK	0.0	0.0	0.0	7.2510E-02	0.0	0.0	0.0	7.8670E-02
TUBS(DATUBS4)	6.5490E-02	3.3070E-06	0.0	6.5500E-02	7.3410E-02	3.9490E-06	0.0	7.3420E-02
TUBS(DATUBS5)	6.6710E-02	2.1270E-05	4.5360E-12	6.6730E-02	7.4470E-02	2.5170E-05	1.2910E-11	7.4500E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU239 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.6600E-01	3.6700E-02	1.7100E-05	2.0300E-01	1.2500E-01	3.2400E-02	3.8700E-05	1.5800E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.6060E-01	3.8330E-02	1.9470E-05	1.9890E-01	1.2090E-01	3.2800E-02	3.6530E-05	1.5370E-01
HITACHI(J2)	1.5770E-01	4.0240E-02	3.0340E-05	1.9790E-01	1.1770E-01	3.4890E-02	4.1490E-05	1.5260E-01
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.5790E-01	3.9759E-02	3.6765E-06	1.9766E-01	1.2012E-01	3.4218E-02	1.1268E-05	1.5435E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.5845E-01	3.3744E-02	1.6733E-05	1.9221E-01	1.1725E-01	2.8987E-02	3.5884E-05	1.4628E-01
KFK(1985LIB.)	1.6044E-01	3.3346E-02	1.4699E-05	1.9380E-01	1.1951E-01	2.8860E-02	3.1869E-05	1.4840E-01
MAPI-CRC	1.6660E-01	3.8630E-02	1.5840E-05	2.0530E-01	1.2750E-01	3.2860E-02	3.1560E-05	1.6040E-01
NAIG	1.6486E-01	3.5718E-02	1.7100E-05	2.0059E-01	1.2220E-01	3.3274E-02	4.2200E-05	1.5552E-01
PNC	1.6900E-01	3.1590E-02	1.6330E-05	2.0060E-01	1.2560E-01	2.8890E-02	3.7290E-05	1.5460E-01
PSI(BOXER)	1.6897E-01	3.7420E-02	1.9288E-05	2.0641E-01	1.2672E-01	3.2600E-02	4.1816E-05	1.5936E-01
PSI(DANDE)	1.6587E-01	4.1061E-02	1.8951E-05	2.0694E-01	1.2505E-01	3.6898E-02	4.3938E-05	1.6199E-01
STUDSVIK	0.0	0.0	0.0	2.0355E-01	0.0	0.0	0.0	1.5957E-01
TUBS(DATUBS4)	1.5790E-01	4.0700E-02	1.9500E-05	1.9870E-01	1.2050E-01	3.7450E-02	4.3920E-05	1.5800E-01
TUBS(DATUBS5)	1.5900E-01	4.2620E-02	2.0410E-05	2.0160E-01	1.2180E-01	3.9650E-02	4.6270E-05	1.6150E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU240 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.0000E-02	8.6100E-04	4.4000E-09	2.0900E-02	1.6300E-02	7.6600E-04	1.0800E-08	1.7000E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	1.9650E-02	8.9230E-04	8.7910E-09	2.0540E-02	1.6240E-02	7.9190E-04	1.5530E-08	1.7040E-02
HITACHI(J2)	1.9340E-02	1.0080E-03	1.4990E-08	2.0350E-02	1.5660E-02	8.9850E-04	1.8510E-08	1.6560E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.9669E-02	1.0238E-03	1.4808E-09	2.0693E-02	1.6081E-02	8.8732E-04	5.1832E-09	1.6968E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.0167E-02	6.0446E-04	6.2918E-09	2.0772E-02	1.6160E-02	5.4220E-04	1.4304E-08	1.6703E-02
KFK(1985LIB.)	2.0699E-02	6.0168E-04	5.6013E-09	2.1301E-02	1.6667E-02	5.4444E-04	1.2710E-08	1.7212E-02
MAPI-CRC	2.1020E-02	8.8110E-04	7.1340E-09	2.1900E-02	1.7300E-02	7.5490E-04	1.4670E-08	1.8060E-02
NAIG	2.0747E-02	5.8690E-04	0.0	2.1334E-02	1.6646E-02	5.3430E-04	0.0	1.7180E-02
PNC	2.2600E-02	7.3040E-04	6.7160E-09	2.3330E-02	1.8070E-02	6.5650E-04	1.6240E-08	1.8720E-02
PSI(BOXER)	2.2549E-02	8.3221E-04	7.5186E-09	2.3381E-02	1.8342E-02	7.5035E-04	1.7076E-08	1.9092E-02
PSI(DANDE)	1.9539E-02	8.7750E-04	7.7130E-09	2.0416E-02	1.5658E-02	7.9412E-04	1.8550E-08	1.6453E-02
STUDSVIK	0.0	0.0	0.0	2.1660E-02	0.0	0.0	0.0	1.7880E-02
TUBS(DATUBS4)	1.8870E-02	8.1840E-04	9.6400E-09	1.9690E-02	1.5420E-02	7.7620E-04	2.2260E-08	1.6190E-02
TUBS(DATUBS5)	1.8150E-02	9.3200E-04	1.0010E-08	1.9080E-02	1.4900E-02	9.1300E-04	2.3290E-08	1.5810E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU241 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.1700E-02	1.5000E-02	5.4500E-06	5.6700E-02	4.6400E-02	1.9200E-02	1.6900E-05	6.5600E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.2200E-02	1.6500E-02	6.3740E-06	5.8710E-02	4.6370E-02	2.0320E-02	1.4980E-05	6.6710E-02
HITACHI(J2)	4.2490E-02	1.6840E-02	1.2320E-05	5.9340E-02	4.5970E-02	2.0750E-02	1.8850E-05	6.6740E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	4.1579E-02	1.6335E-02	1.7496E-06	5.7916E-02	4.5851E-02	1.9921E-02	6.6984E-06	6.5779E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.0305E-02	1.3087E-02	5.1161E-06	5.3397E-02	4.3963E-02	1.6371E-02	1.5027E-05	6.0350E-02
KFK(1985LIB.)	3.9630E-02	1.2585E-02	4.2014E-06	5.2220E-02	4.3514E-02	1.5875E-02	1.2449E-05	5.9402E-02
MAPI-CRC	4.3340E-02	1.6220E-02	5.1260E-06	5.9560E-02	4.7500E-02	1.9020E-02	1.3780E-05	6.6540E-02
NAIG	4.2886E-02	1.3817E-02	5.8000E-06	5.6709E-02	4.6959E-02	1.8640E-02	1.9300E-05	6.5618E-02
PNC	4.4150E-02	1.3560E-02	5.2170E-06	5.7720E-02	4.7990E-02	1.7540E-02	1.6220E-05	6.5540E-02
PSI(BOXER)	4.4568E-02	1.6078E-02	6.4478E-06	6.0652E-02	4.9529E-02	2.0380E-02	1.9120E-05	6.9928E-02
PSI(DANDE)	4.2966E-02	1.6396E-02	6.4503E-06	5.9368E-02	4.7295E-02	2.1209E-02	1.9809E-05	6.8523E-02
STUDSVIK	0.0	0.0	0.0	5.3470E-02	0.0	0.0	0.0	6.3840E-02
TUBS(DATUBS4)	4.2040E-02	1.6590E-02	1.2370E-05	5.8650E-02	4.5540E-02	2.1570E-02	3.4890E-05	6.7140E-02
TUBS(DATUBS5)	4.1800E-02	1.6600E-02	1.2360E-05	5.8410E-02	4.4630E-02	2.1340E-02	3.4590E-05	6.6000E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF PU242 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.9700E-03	0.0	0.0	3.9700E-03	3.6800E-03	0.0	0.0	3.6800E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	4.0250E-03	0.0	0.0	4.0250E-03	3.8410E-03	0.0	0.0	3.8410E-03
HITACHI(J2)	3.8410E-03	3.1090E-05	4.4090E-08	3.8720E-03	3.6040E-03	3.2730E-05	2.9810E-08	3.6370E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	3.8034E-03	2.9733E-05	6.3669E-09	3.8331E-03	3.6081E-03	3.1221E-05	1.8785E-08	3.6393E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.0754E-03	1.0119E-05	6.5406E-12	4.0856E-03	4.0154E-03	1.1169E-05	1.6742E-11	4.0266E-03
KFK(1985LIB.)	3.4222E-03	8.2631E-06	4.2723E-12	3.4305E-03	3.1104E-03	8.4341E-06	1.0091E-11	3.1189E-03
MAPI-CRC	4.2380E-03	2.5810E-05	1.4220E-08	4.2640E-03	4.1090E-03	2.6100E-05	3.2140E-08	4.0450E-03
NAIG	4.1853E-03	2.3400E-05	0.0	4.2090E-03	3.9365E-03	2.8500E-05	0.0	3.9650E-03
PNC	4.5560E-03	2.1570E-05	5.8510E-08	4.5780E-03	4.3680E-03	2.4470E-05	1.4970E-07	4.3930E-03
PSI(BOXER)	3.9113E-03	0.0	0.0	3.9113E-03	3.5780E-03	0.0	0.0	3.5780E-03
PSI(DANDE)	3.7801E-03	2.4620E-05	2.4422E-08	3.8047E-03	3.5198E-03	2.6578E-05	5.8076E-08	3.5464E-03
STUDSVIK	0.0	0.0	0.0	3.5600E-03	0.0	0.0	0.0	3.2600E-03
TUBS(DATUBS4)	3.5450E-03	2.6660E-05	8.3980E-12	3.5710E-03	3.4210E-03	2.8630E-05	2.1290E-11	3.4490E-03
TUBS(DATUBS5)	3.5860E-03	2.7910E-05	1.9740E-08	3.6140E-03	3.4720E-03	3.1490E-05	4.5410E-08	3.5030E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF AM241 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	7.3000E-04	1.6200E-05	1.2900E-08	7.4600E-04	7.0000E-04	1.7500E-05	3.3000E-08	7.1800E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	7.9000E-04	1.8570E-05	1.8070E-08	8.0860E-04	7.6710E-04	2.0180E-05	3.6850E-08	7.8740E-04
HITACHI(J2)	7.5830E-04	1.9530E-05	2.7840E-08	7.7790E-04	7.1180E-04	2.1260E-05	3.4960E-08	7.3310E-04
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	7.6603E-04	1.8413E-05	3.5712E-09	7.8444E-04	7.1849E-04	1.9656E-05	1.2801E-08	7.3815E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	7.6946E-04	1.2578E-05	1.6228E-08	7.8206E-04	7.1739E-04	1.3269E-05	4.0833E-08	7.3071E-04
KFK(1985LIB.)	7.7409E-04	1.2289E-05	1.3672E-08	7.8641E-04	7.2592E-04	1.3032E-05	3.4568E-08	7.3900E-04
MAPI-CRC	8.9200E-04	2.0500E-05	1.6860E-08	9.1250E-04	8.5190E-04	2.1000E-05	3.7980E-08	8.7290E-04
NAIG	8.4480E-04	2.0940E-04	0.0	1.0540E-03	7.9660E-04	2.2560E-04	1.0000E-07	1.0220E-03
PNC	9.7510E-04	1.7730E-05	1.6350E-08	9.9280E-04	9.1470E-04	2.0030E-05	4.3940E-08	9.3480E-04
PSI(BOXER)	9.0997E-04	2.2762E-04	1.6820E-08	1.1376E-03	8.8322E-04	2.3741E-04	4.2393E-08	1.1207E-03
PSI(DANDE)	6.4686E-04	1.3960E-05	1.8896E-08	6.6084E-04	6.1195E-04	1.5360E-05	5.0356E-08	6.2736E-04
STUDSVIK	0.0	0.0	0.0	6.6000E-04	0.0	0.0	0.0	6.1000E-04
TUBS(DATUBS4)	7.6120E-04	1.7480E-05	1.5010E-08	7.7870E-04	7.3220E-04	1.9370E-05	3.8970E-08	7.5160E-04
TUBS(DATUBS5)	6.7110E-04	1.4160E-05	2.4160E-08	6.8530E-04	6.3370E-04	1.5680E-05	6.1960E-08	6.4940E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF AM243 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	8.1800E-04	2.8600E-06	0.0	8.2100E-04	8.5100E-04	3.4000E-06	0.0	8.5400E-04
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	8.3900E-04	7.5120E-06	3.8620E-08	8.4650E-04	8.7640E-04	8.6480E-06	5.7270E-08	8.8510E-04
HITACHI(J2)	7.9770E-04	7.7880E-06	4.9340E-08	8.0560E-04	8.1800E-04	9.1910E-06	7.1790E-08	8.2730E-04
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	8.1992E-04	7.4042E-06	7.0215E-09	8.2733E-04	8.3317E-04	8.5417E-06	2.5630E-08	8.4173E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	8.5298E-04	3.6913E-06	5.9785E-11	8.5668E-04	8.4308E-04	3.9414E-06	1.5124E-10	8.4703E-04
KFK(1985LIB.)	1.2519E-03	5.2555E-06	6.7864E-11	1.2572E-03	1.3447E-03	6.1021E-06	1.8629E-10	1.3508E-03
MAPI-CRC	8.0420E-04	6.7390E-06	2.3220E-08	8.1100E-04	8.6310E-04	7.7150E-06	5.6060E-08	8.7090E-04
NAIG	8.2090E-04	0.0	0.0	8.2100E-04	8.5640E-04	0.0	0.0	8.5600E-04
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	1.2004E-03	0.0	0.0	1.2004E-03	1.2767E-03	0.0	0.0	1.2767E-03
PSI(DANDE)	7.3240E-04	2.5981E-06	7.3107E-09	7.3500E-04	7.5999E-04	3.1184E-06	1.9996E-08	7.6313E-04
STUDSVIK	0.0	0.0	0.0	1.1900E-03	0.0	0.0	0.0	1.2200E-03
TUBS(DATUBS4)	8.1910E-04	0.0	0.0	8.1910E-04	8.7230E-04	0.0	0.0	8.7230E-04
TUBS(DATUBS5)	8.1340E-04	0.0	0.0	8.1340E-04	8.6020E-04	0.0	0.0	8.6020E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FISSION RATE OF CM244 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	8.3900E-04	2.0100E-05	5.7500E-10	8.5900E-04	1.0600E-03	2.9300E-05	1.9400E-09	1.0900E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HITACHI(B4)	8.2410E-04	2.4310E-05	2.2660E-09	8.4840E-04	9.7700E-04	3.2440E-05	5.1710E-09	1.0100E-03
HITACHI(J2)	7.6980E-04	2.5150E-05	3.8740E-09	7.9500E-04	8.9000E-04	3.3920E-05	5.5040E-09	9.2390E-04
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	7.8542E-04	2.4689E-05	6.4162E-10	8.1011E-04	9.3358E-04	3.3385E-05	2.7047E-09	9.6696E-04
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	8.3634E-04	2.6613E-05	8.0168E-10	8.6296E-04	9.7646E-04	3.5389E-05	2.4786E-09	1.0119E-03
KFK(1985LIB.)	1.1956E-03	3.6967E-05	9.1219E-10	1.2326E-03	1.5378E-03	5.4165E-05	3.1131E-09	1.5920E-03
MAPI-CRC	7.8640E-04	2.2660E-05	1.5030E-09	8.0910E-04	9.6250E-04	3.0120E-05	4.3850E-09	9.9260E-04
NAIG	8.1500E-04	3.9200E-05	0.0	8.5400E-04	1.0067E-03	5.7100E-05	0.0	1.0640E-03
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	1.3174E-03	1.8104E-05	2.0465E-09	1.3355E-03	1.6696E-03	2.6663E-05	6.6994E-09	1.6963E-03
PSI(DANDE)	8.3275E-04	1.0783E-06	9.8811E-10	8.3383E-04	9.7682E-04	4.3011E-06	3.2541E-09	9.8112E-04
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	7.2970E-04	4.2090E-05	1.4540E-09	7.7180E-04	9.2360E-04	6.0180E-05	4.7690E-09	9.8380E-04
TUBS(DATUBS5)	6.9670E-04	4.3740E-05	1.4100E-09	7.4050E-04	8.7980E-04	6.2830E-05	4.6630E-09	9.4260E-04
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U235 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	8.5400E-03	2.9600E-03	9.0300E-07	1.1500E-02	9.2800E-03	3.6800E-03	2.7100E-06	1.3000E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	8.4445E-03	3.0751E-03	1.3364E-06	1.1519E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	8.6750E-03	3.2790E-03	1.1150E-06	1.1960E-02	9.4370E-03	3.9740E-03	2.5670E-06	1.3410E-02
HITACHI(J2)	8.4720E-03	3.4910E-03	2.1470E-06	1.1970E-02	9.2120E-03	4.2980E-03	3.3270E-06	1.3510E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	8.2789E-03	3.4136E-03	2.8042E-07	1.1693E-02	9.1462E-03	4.1565E-03	1.0796E-06	1.3304E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	8.4427E-03	2.8326E-03	7.6806E-07	1.1276E-02	9.0126E-03	3.4457E-03	2.1882E-06	1.2461E-02
KFK(1985LIB.)	8.4240E-03	2.7662E-03	6.3215E-07	1.1191E-02	9.0011E-03	3.3747E-03	1.8007E-06	1.2378E-02
MAPI-CRC	8.7740E-03	3.4320E-03	7.8490E-07	1.2210E-02	9.6250E-03	4.0050E-03	2.0950E-06	1.3630E-02
NAIG	8.7361E-03	3.0230E-03	1.0000E-06	1.1760E-02	9.3591E-03	3.9931E-03	3.1000E-06	1.3355E-02
PNC	9.7880E-03	3.0290E-03	7.7730E-07	1.2820E-02	1.0560E-02	3.8300E-03	2.3870E-06	1.4400E-02
PSI(BOXER)	8.8580E-03	3.1136E-03	9.0694E-07	1.1972E-02	9.5881E-03	3.8303E-03	2.6094E-06	1.3421E-02
PSI(DANDE)	8.6392E-03	3.3835E-03	9.5985E-07	1.2024E-02	9.4044E-03	4.2950E-03	2.9124E-06	1.3702E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	8.5340E-03	3.3130E-03	9.3810E-07	1.1850E-02	9.1330E-03	4.2320E-03	2.7780E-06	1.3370E-02
TUBS(DATUBS5)	8.3120E-03	3.4400E-03	9.2580E-07	1.1750E-02	8.9110E-03	4.4290E-03	2.7630E-06	1.3340E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF U238 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.7500E-01	0.0	7.3000E-15	1.7500E-01	1.9200E-01	0.0	2.1000E-14	1.9200E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.8450E-01	2.7853E-07	0.0	1.8450E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.7000E-01	1.5790E-05	1.5300E-12	1.7000E-01	1.8750E-01	1.8000E-05	2.9790E-12	1.8750E-01
HITACHI(J2)	1.7730E-01	4.1760E-05	2.3780E-11	1.7740E-01	1.9170E-01	4.8300E-05	3.0510E-11	1.9170E-01
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.8745E-01	4.3613E-05	0.0	1.8749E-01	2.0092E-01	5.2459E-05	0.0	2.0097E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.8125E-01	0.0	0.0	1.8126E-01	1.9840E-01	0.0	0.0	1.9841E-01
KFK(1985LIB.)	1.8181E-01	0.0	0.0	1.8181E-01	2.0010E-01	0.0	0.0	2.0010E-01
MAPI-CRC	1.9570E-01	3.8460E-05	9.7800E-12	1.9580E-01	2.1470E-01	4.6080E-05	2.4750E-11	2.1470E-01
NAIG	1.9522E-01	9.5000E-06	0.0	1.9523E-01	2.0492E-01	1.1400E-05	0.0	2.0494E-01
PNC	1.8500E-01	0.0	0.0	1.8500E-01	2.0090E-01	0.0	0.0	2.0090E-01
PSI(BOXER)	1.8976E-01	3.2001E-05	1.0167E-11	1.8981E-01	2.0799E-01	3.6910E-05	2.7596E-11	2.0802E-01
PSI(DANDE)	1.7370E-01	3.8521E-05	1.1250E-11	1.7374E-01	1.9230E-01	4.7334E-05	3.2455E-11	1.9234E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.8290E-01	7.6720E-06	0.0	1.8290E-01	2.0550E-01	9.1610E-06	0.0	2.0550E-01
TUBS(DATUBS5)	1.8540E-01	4.9350E-05	1.0520E-11	1.8540E-01	2.0750E-01	5.8400E-05	2.9940E-11	2.0750E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU239 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	4.9000E-01	1.0500E-01	4.9100E-05	5.9500E-01	3.7000E-01	9.3100E-02	1.1100E-04	4.6300E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	4.7742E-01	1.0799E-01	5.9490E-05	5.8541E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	4.7270E-01	1.1010E-01	5.5940E-05	5.8290E-01	3.5590E-01	9.4270E-02	1.0500E-04	4.5030E-01
HITACHI(J2)	4.6490E-01	1.1590E-01	8.7400E-05	5.8090E-01	3.4720E-01	1.0050E-01	1.1950E-04	4.4790E-01
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	4.6646E-01	1.1452E-01	1.0591E-05	5.8098E-01	3.5480E-01	9.8551E-02	3.2457E-05	4.5339E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	4.6903E-01	9.7358E-02	4.8293E-05	5.6644E-01	3.4721E-01	8.3633E-02	1.0355E-04	4.3094E-01
KFK(1985LIB.)	4.7493E-01	9.6210E-02	4.2419E-05	5.7118E-01	3.5392E-01	8.3267E-02	9.1959E-05	4.3728E-01
MAPI-CRC	4.9230E-01	1.1130E-01	4.5620E-05	6.0360E-01	3.7690E-01	9.4650E-02	9.0920E-05	4.7170E-01
NAIG	4.8751E-01	1.0287E-01	4.9200E-05	5.9043E-01	3.6135E-01	9.5829E-02	1.2180E-04	4.5730E-01
PNC	4.9890E-01	9.1010E-02	4.7030E-05	5.8990E-01	3.7100E-01	8.3240E-02	1.0740E-04	4.5430E-01
PSI(BOXER)	4.9858E-01	1.0753E-01	5.5420E-05	6.0617E-01	3.7406E-01	9.3682E-02	1.2015E-04	4.6786E-01
PSI(DANDE)	4.8674E-01	1.1703E-01	5.4298E-05	6.0383E-01	3.6709E-01	1.0512E-01	1.2592E-04	4.7233E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	4.6570E-01	1.1700E-01	5.6020E-05	5.8280E-01	3.5560E-01	1.0760E-01	1.2620E-04	4.6330E-01
TUBS(DATUBS5)	4.6690E-01	1.2150E-01	5.8500E-05	5.8840E-01	3.5780E-01	1.1300E-01	1.3260E-04	4.7090E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU240 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	6.1600E-02	2.4700E-03	1.2600E-08	6.4100E-02	5.0200E-02	2.2000E-03	3.1000E-08	5.2400E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	6.0824E-02	2.4048E-03	2.1536E-08	6.3232E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	6.0420E-02	2.5610E-03	2.5230E-08	6.2980E-02	5.0020E-02	2.2730E-03	4.4570E-08	5.2290E-02
HITACHI(J2)	5.8020E-02	2.8050E-03	4.1720E-08	6.0830E-02	4.7060E-02	2.5020E-03	5.1520E-08	4.9570E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	5.9188E-02	2.8505E-03	4.1222E-09	6.2038E-02	4.8431E-02	2.4705E-03	1.4429E-08	5.0902E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	6.2707E-02	1.7413E-03	1.8117E-08	6.4450E-02	5.0317E-02	1.5620E-03	4.1187E-08	5.1879E-02
KFK(1985LIB.)	6.4331E-02	1.7333E-03	1.6128E-08	6.6065E-02	5.1878E-02	1.5685E-03	3.6594E-08	5.3447E-02
MAPI-CRC	6.3170E-02	2.4540E-03	1.9860E-08	6.5620E-02	5.2080E-02	2.1020E-03	4.0830E-08	5.4180E-02
NAIG	6.2869E-02	1.6453E-03	0.0	6.4514E-02	5.0434E-02	1.4980E-03	0.0	5.1932E-02
PNC	6.7470E-02	2.0340E-03	1.8700E-08	6.9510E-02	5.4020E-02	1.8280E-03	4.5200E-08	5.5840E-02
PSI(BOXER)	6.9388E-02	2.3886E-03	2.1577E-08	7.1776E-02	5.6517E-02	2.1537E-03	4.9004E-08	5.8671E-02
PSI(DANDE)	5.8506E-02	2.4431E-03	2.1472E-08	6.0949E-02	4.7010E-02	2.2110E-03	5.1639E-08	4.9221E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	5.8470E-02	2.3490E-03	2.7670E-08	6.0820E-02	4.7870E-02	2.2280E-03	6.3870E-08	5.0090E-02
TUBS(DATUBS5)	5.4760E-02	2.5950E-03	2.7880E-08	5.7360E-02	4.5050E-02	2.5420E-03	6.4840E-08	4.7600E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU241 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2400E-01	4.4000E-02	1.6000E-05	1.6900E-01	1.3800E-01	5.6400E-02	4.9500E-05	1.9500E-01
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.2811E-01	4.7106E-02	2.3360E-05	1.7523E-01	0.0	0.0	0.0	0.0
HITACHI(B4)	1.2600E-01	4.8390E-02	1.8690E-05	1.7440E-01	1.3850E-01	5.9600E-02	4.3920E-05	1.9810E-01
HITACHI(J2)	1.2680E-01	4.9380E-02	3.6120E-05	1.7620E-01	1.3720E-01	6.0860E-02	5.5260E-05	1.9810E-01
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.2415E-01	4.7907E-02	5.1304E-06	1.7206E-01	1.3687E-01	5.8424E-02	1.9641E-05	1.9531E-01
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.2019E-01	3.8286E-02	1.4954E-05	1.5949E-01	1.3112E-01	4.7894E-02	4.3922E-05	1.7906E-01
KFK(1985LIB.)	1.1818E-01	3.6817E-02	1.2280E-05	1.5501E-01	1.2979E-01	4.6444E-02	3.6388E-05	1.7627E-01
MAPI-CRC	1.2950E-01	4.7570E-02	1.5030E-05	1.7710E-01	1.4190E-01	5.5790E-02	4.0410E-05	1.9780E-01
NAIG	1.2817E-01	4.0522E-02	1.6900E-05	1.6871E-01	1.4033E-01	5.4666E-02	5.6500E-05	1.9505E-01
PNC	1.3190E-01	3.9770E-02	1.5300E-05	1.7170E-01	1.4340E-01	5.1430E-02	4.7580E-05	1.9490E-01
PSI(BOXER)	1.3337E-01	4.7152E-02	1.8907E-05	1.8054E-01	1.4824E-01	5.9770E-02	5.6065E-05	2.0806E-01
PSI(DANDE)	1.2821E-01	4.8084E-02	1.8914E-05	1.7631E-01	1.4114E-01	6.2198E-02	5.8086E-05	2.0340E-01
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.2570E-01	4.8670E-02	3.6270E-05	1.7440E-01	1.3620E-01	6.3260E-02	1.0230E-04	1.9960E-01
TUBS(DATUBS5)	1.2470E-01	4.8690E-02	3.6240E-05	1.7350E-01	1.3330E-01	6.2570E-02	1.0140E-04	1.9590E-01
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF PU242 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	1.2100E-02	0.0	0.0	1.2100E-02	1.1200E-02	0.0	0.0	1.1200E-02
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	1.2415E-02	0.0	0.0	1.2415E-02	0.0	0.0	0.0	0.0
HITACHI(B4)	1.2240E-02	0.0	0.0	1.2240E-02	1.1700E-02	0.0	0.0	1.1700E-02
HITACHI(J2)	1.1700E-02	8.7300E-05	1.2380E-07	1.1780E-02	1.1000E-02	9.1900E-05	8.3710E-08	1.1090E-02
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	1.1614E-02	8.3498E-05	1.7878E-08	1.1697E-02	1.1031E-02	8.7678E-05	5.2748E-08	1.1119E-02
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	1.2837E-02	2.9159E-05	1.8848E-11	1.2866E-02	1.2667E-02	3.2185E-05	4.8247E-11	1.2699E-02
KFK(1985LIB.)	1.0772E-02	2.3810E-05	1.2313E-11	1.0796E-02	9.8070E-03	2.4304E-05	2.9081E-11	9.8314E-03
MAPI-CRC	1.2920E-02	7.2490E-05	3.9940E-08	1.3000E-02	1.2280E-02	7.3310E-05	9.0250E-08	1.2350E-02
NAIG	1.2769E-02	6.5800E-05	0.0	1.2835E-02	1.2008E-02	8.0200E-05	1.0000E-07	1.2088E-02
PNC	1.3790E-02	6.0580E-05	1.6430E-07	1.3850E-02	1.3240E-02	6.8720E-05	4.2050E-07	1.3310E-02
PSI(BOXER)	1.1895E-02	0.0	0.0	1.1895E-02	1.0899E-02	0.0	0.0	1.0899E-02
PSI(DANDE)	1.1488E-02	5.9141E-05	6.8576E-08	1.1558E-02	1.0729E-02	7.4640E-05	1.6308E-07	1.0804E-02
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	1.0960E-02	7.4940E-05	2.3600E-11	1.1030E-02	1.0600E-02	8.0480E-05	5.9820E-11	1.0680E-02
TUBS(DATUBS5)	1.0980E-02	7.8390E-05	5.5430E-08	1.1050E-02	1.0650E-02	8.8430E-05	1.2750E-07	1.0740E-02
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF AM241 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.4800E-03	5.0000E-05	3.9800E-08	2.5300E-03	2.3900E-03	5.4000E-05	1.0200E-07	2.4400E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.6352E-03	6.7078E-04	4.4500E-08	3.3065E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	2.7730E-03	5.9880E-05	5.8250E-08	2.8330E-03	2.6960E-03	6.5070E-05	1.1880E-07	2.7620E-03
HITACHI(J2)	2.6690E-03	6.2980E-05	8.9750E-08	2.7320E-03	2.5110E-03	6.8550E-05	1.1270E-07	2.5800E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	2.7039E-03	5.9363E-05	1.1512E-08	2.7633E-03	2.5394E-03	6.3371E-05	4.1263E-08	2.6028E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.6507E-03	3.9163E-05	5.0471E-08	2.6900E-03	2.4754E-03	4.1319E-05	1.2700E-07	2.5168E-03
KFK(1985LIB.)	2.6645E-03	3.8263E-05	4.2522E-08	2.7028E-03	2.5032E-03	4.0579E-05	1.0751E-07	2.5439E-03
MAPI-CRC	3.1470E-03	6.6100E-05	5.4360E-08	3.2130E-03	3.0120E-03	6.7700E-05	1.2240E-07	3.0800E-03
NAIG	2.8260E-03	6.4710E-04	1.0000E-07	3.4730E-03	2.6618E-03	6.9730E-04	2.0000E-07	3.3590E-03
PNC	3.4130E-03	5.7150E-05	5.2720E-08	3.4710E-03	3.2090E-03	6.4570E-05	1.4160E-07	3.2730E-03
PSI(BOXER)	3.0371E-03	7.0344E-04	5.1973E-08	3.7406E-03	2.9483E-03	7.3374E-04	1.3100E-07	3.6822E-03
PSI(DANDE)	2.3552E-03	4.6494E-05	6.2924E-08	2.4018E-03	2.2341E-03	5.1154E-05	1.6768E-07	2.2854E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.6010E-03	5.4010E-05	4.6380E-08	2.6550E-03	2.5080E-03	5.9870E-05	1.2040E-07	2.5680E-03
TUBS(DATUBS5)	2.4530E-03	4.7160E-05	8.0460E-08	2.5010E-03	2.3220E-03	5.2240E-05	2.0630E-07	2.3740E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF AM243 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	2.9900E-03	9.3500E-06	0.0	3.0000E-03	3.1100E-03	1.1100E-05	0.0	3.1200E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	2.5945E-03	0.0	0.0	2.5945E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	2.9630E-03	2.4110E-05	1.2400E-07	2.9870E-03	3.1000E-03	2.7760E-05	1.8380E-07	3.1280E-03
HITACHI(J2)	2.8270E-03	2.5000E-05	1.5840E-07	2.8520E-03	2.9060E-03	2.9500E-05	2.3040E-07	2.9360E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	2.9140E-03	2.3767E-05	2.2536E-08	2.9378E-03	2.9656E-03	2.7418E-05	8.2260E-08	2.9931E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.7113E-03	1.0340E-05	1.6740E-10	2.7217E-03	2.6852E-03	1.1041E-05	4.2346E-10	2.6963E-03
KFK(1985LIB.)	3.9752E-03	1.4722E-05	1.9002E-10	3.9900E-03	4.2793E-03	1.7093E-05	5.2162E-10	4.2965E-03
MAPI-CRC	2.8580E-03	2.1630E-05	7.4520E-08	2.8800E-03	3.0740E-03	2.4760E-05	1.7990E-07	3.0990E-03
NAIG	2.7257E-03	0.0	0.0	2.7260E-03	2.8428E-03	0.0	0.0	2.8430E-03
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	3.9949E-03	0.0	0.0	3.9949E-03	4.2560E-03	0.0	0.0	4.2560E-03
PSI(DANDE)	2.5148E-03	7.9648E-06	2.2401E-08	2.5228E-03	2.6191E-03	9.5596E-06	6.1269E-08	2.6288E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.7400E-03	0.0	0.0	2.7400E-03	2.9250E-03	0.0	0.0	2.9250E-03
TUBS(DATUBS5)	2.7280E-03	0.0	0.0	2.7280E-03	2.8920E-03	0.0	0.0	2.8920E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCTION RATE OF CM244 (BURN-UP=50GWD/T VOID=99%)

	VM/VF = 0.6				VM/VF = 1.1			
	1/3	2/3	3/3	1/1	1/3	2/3	3/3	1/1
ANSTO	3.1400E-03	6.9500E-05	1.9900E-09	3.2100E-03	3.9600E-03	1.0100E-04	6.7300E-09	4.0600E-03
CEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GKSS	3.4212E-03	1.6876E-04	4.4052E-09	3.5890E-03	0.0	0.0	0.0	0.0
HITACHI(B4)	2.8830E-03	7.8780E-05	7.3430E-09	2.9610E-03	3.4230E-03	1.0510E-04	1.6750E-08	3.5280E-03
HITACHI(J2)	2.7000E-03	8.1500E-05	1.2550E-08	2.7810E-03	3.1270E-03	1.0990E-04	1.7830E-08	3.2370E-03
IKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAERI(SRAC)	2.7625E-03	8.0008E-05	2.0788E-09	2.8426E-03	3.2868E-03	1.0819E-04	8.7633E-09	3.3950E-03
JAERI(VIM)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KFK(NEWEST)	2.9374E-03	8.4036E-05	2.3147E-09	3.0215E-03	3.4346E-03	1.1127E-04	7.1564E-09	3.5459E-03
KFK(1985LIB.)	4.1967E-03	1.1670E-04	2.6336E-09	4.3134E-03	5.4066E-03	1.7027E-04	8.9878E-09	5.5769E-03
MAPI-CRC	2.7610E-03	7.3430E-05	4.8700E-09	2.8350E-03	3.3850E-03	9.7620E-05	1.4210E-08	3.4830E-03
NAIG	2.7825E-03	1.2680E-04	0.0	2.9090E-03	3.4366E-03	1.8450E-04	0.0	3.6210E-03
PNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PSI(BOXER)	4.4843E-03	5.8481E-05	6.6101E-09	4.5428E-03	5.6892E-03	8.6132E-05	2.1639E-08	5.7754E-03
PSI(DANDE)	2.9250E-03	3.1328E-05	3.2015E-09	2.9564E-03	3.4415E-03	4.9941E-05	1.0543E-08	3.4915E-03
STUDSVIK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TUBS(DATUBS4)	2.4970E-03	1.3600E-04	4.6980E-09	2.6330E-03	3.1660E-03	1.9440E-04	1.5400E-08	3.3600E-03
TUBS(DATUBS5)	2.3870E-03	1.4130E-04	4.5540E-09	2.5290E-03	3.0210E-03	2.0300E-04	1.5060E-08	3.2240E-03
VA.TECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WINFRITH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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