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Gamma-ray Spectra of the FPs (FPDATA-2)

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Over 300 radioactive nuclides are produced by the fission of a fuel material, and these emit γ -rays of different energies. Their half lives vary widely, so the γ -ray spectrum due to FPs differs in complex manner with the irradiation and cooling times. To measure the particular γ -ray from a particular nuclide with high accuracy, irradiation and cooling behaviour of the γ -ray spectrum must be observed closely. It is then desirable to calculate the γ -ray spectra and thereby anticipate the experimental results, especially in the case of a long cooling time required or a short cooling time permitted.

The Gamma-ray spectra from FPs were calculated with irradiation and cooling times as the parameters, assuming a Ge(Li) detector for γ -ray detection, the results are given in tables and figures. The energy resolution (FEHM) of the detector is constant at 4keV, independent of the photon energy. The number of nuclei for each FP is calculated analytically by using the BATEMAN's equation and its integral form repeatedly, with thermal-neutron fission yields of ^{235}U . Compton effects and characteristic X rays are omitted in the calculation.

FPからのガンマ線スペクトル (FPDATA-2)

日本原子力研究所動力炉開発管理室

笹本宣雄・田坂完二

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核分裂により生成される放射性FPは300種類にもおよびそれらから放出される γ 線は素性の分っているものだけでも2000種類近くにおよぶ。またその半減期も非常に広い範囲にわたっている。したがってFPから放出される γ 線スペクトルも照射時間および冷却時間に応じて複雑な変化を示し、ある特定の核種からのある特定のエネルギーの γ 線を精度よく測定するためには測定器の分解能に応じて γ 線スペクトルの照射挙動と冷却挙動をよく知っておく必要がある。特に長い冷却時間を必要とする測定、または極端に短い冷却時間しか許されない測定においてはあらかじめパラメトリックに γ 線スペクトルを計算し実験結果を予測しておくことが得策である。そこで本稿においては測定器としてはGe(Li)検出器を想定してその半値巾(FWHM)を4 keVに固定し、照射時間および冷却時間をパラメータとしてFPからの γ 線のスペクトルを計算し図および表にまとめた。FPの生成量の計算はBATEMANの式およびその時間積分型をくり返し使って解析的に行ない、その際、核分裂収率としては ^{235}U の熱中性子核分裂に対するものを使った。なお、今回の計算ではコンプトン効果および特性X線は無視した。

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1. Introduction

Important nuclear properties of fission products (FP's) β^- decay scheme, half life, fission yield, γ -ray energy and its branching ratio — were compiled and reported¹⁾ in the 1st number of FP-DATA series. Gamma-ray spectra of FP's are calculated as a function of irradiation time, cooling time and fission yield in the present work using the nuclear data in the 1st number. The results are represented in figures and tables.

More than 300 radioactive nuclides are produced by the fission in the nuclear reactor and their half lives range from 0.4 second to more than 10^{10} years. Photons of almost 1700 different energies are emitted following β^- decay and energy of photons emitted ranges from a few keV to 6 MeV. Therefore, γ -ray spectrum of FP is very complicated. It becomes possible to measure separately the considerable photopeaks through the remarkable development in the resolution using a Ge(Li) detector. It is preferable to study the irradiation and cooling behaviour of the γ -ray spectrum in order to pick out the particular photopeaks from the complicated spectrum with high accuracy. It is desirable for this purpose to calculate γ -ray as a function of irradiation and cooling time. Unrecognized photopeaks contained in the observed spectra may be distinguished by comparing the measured spectra with the calculation.

2. Method of calculations

In order to calculate γ -ray spectra of FP as a function of irradiation and cooling time, atom number of each FP nuclide is obtained by using the well-known BATEMAN's equation²⁾ and its integral form repeatedly³⁾. The line intensity of each photopeak is obtained by multiplying the atom number by its decay constant and the branching ratio of γ -ray. The line intensity is distributed by a Gaussian function because a Ge(Li) detector has finite resolution (FWHM), which is approximately proportional to the square root of the photon energy. The resolution depends mainly on the electronic noise of the preamplifier, the noise associated with the leakage current of the detector and the noise resulting from the statistical effect in the production and collection of electron-hole pairs. In order to get a good agreement on spectra between measured and calculated, the response of the Ge(Li) detector must be considered carefully. The mean value of FWHM is obtained by observing it over the photon energy range under consideration and then line spectra obtained previously are distributed by a Gaussian function, (2-1), which has a standard deviation σ ,

$$G(r) = \frac{1}{\sqrt{2\pi} \cdot \sigma} \exp \left(- \frac{(r - r_0)^2}{2\sigma^2} \right) \quad (2-1)$$

r : channel number

r_0 : channel number of peak center

$$\sigma = \text{FWHM} / 2 \cdot \sqrt{2 \log 2} \quad (2-2)$$

Then, the intensity of photopeaks for each channel is determined by the integration of eq.(2-1) for the channel width. (cf. Fig. A)

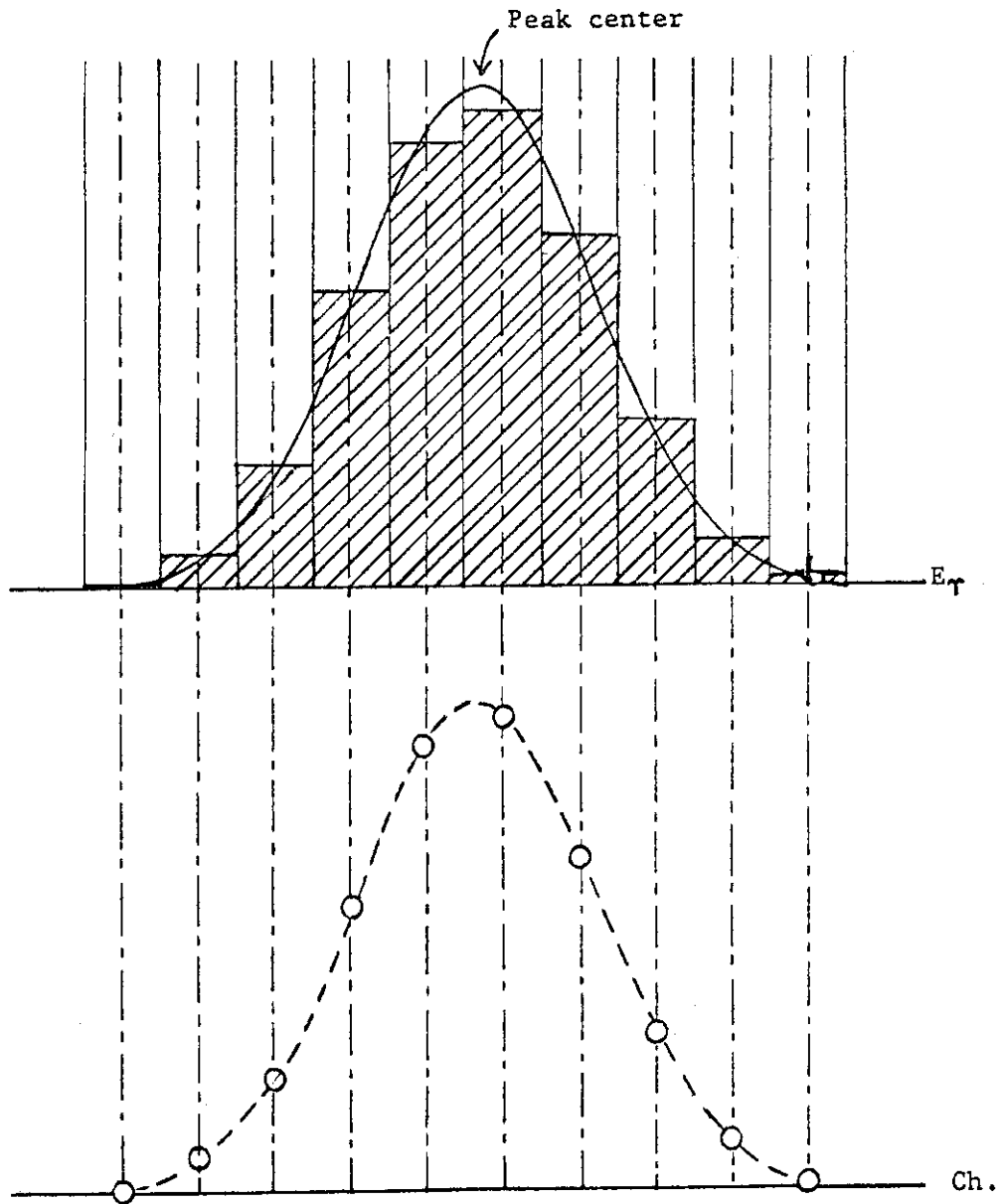


Fig. A Distribution of photon intensity to neighboring channels using Gaussian function

3. Results of calculation

The results of the calculation are edited in two ways, one is the decay behavior of the activity of each FP for the cases of infinite and burst irradiations and another is γ -ray spectra of FP's for each irradiation and cooling time. The irradiation time ranges from 1 minute to 10 years and the cooling time from 0.1 to 10 times of the irradiation time.

3.1. Calculation of decay behavior of each FP

The atom number of each FP produced in the reactor at the shutdown is obtained for the case of burst fission by multiplying the independent fission yield for each FP by the total fission number and these results are used as the initial values on the calculation of decay behavior of each FP after shutdown. The irradiation of 10000 days (~ 30 years) is substituted for the infinite irradiation. Both total γ -ray intensity and the normalized intensity of each photopeak exceeding 0.1% normalized by total γ -ray intensity are listed in tables. Normalized intensities are arranged according to decreasing order of photon energy. The relative activity of FP nuclides are shown in figures as a function of cooling time. The cooling time is limited to 5000 days. Fission yield data⁴⁾ for the thermal neutron induced fission of ^{235}U are used in both cases.

3.2. Calculation of γ -ray spectra of FP

Gamma ray spectra are calculated for the irradiation time of 1 minute, 1 hour, 1 day, 1 week, 1 month, 1 year and 10 years and the cooling times are chosen to be 0.1, 0.2, 0.5, 1, 2, 5 and 10 times of the irradiation time respectively. The photon energy in the calculated spectra ranges from 0 to 2.558MeV and the energy interval is divided into 1024 channels. So energy width per channel is 2.5keV. The energy resolution of the detector

is fixed to be 4keV and assumed to be independent of the photon energy. This resolution corresponds to the standard deviation of 1.7keV for a Gaussian function. Fission yield data for thermal neutron induced fission of ^{235}U are used for all of the cases. The data for ^{235}U fast fission, ^{239}Pu thermal fission and ^{239}Pu fast fission are also used for the case of 1 year irradiation and the difference in spectra is examined. Calculated spectra are shown in figures. The total intensity of γ -rays of FP and the normalized intensity of each γ -ray are also listed in tables. The normalized intensities, exceeding 0.1% are arranged in the decreasing order of the photo energy. The ratio of the photopeak intensity concerned to the Compton intensity of other photopeaks may be estimated by referring to tables and figures. It may be possible to recognize the nuclide for each photopeak by comparing the measured spectra with the calculated one. When one compare the measured spectra with the calculated one, it may be probable that the calculation parameters, such as irradiation and cooling time, do not get correspondence with the experimental condition. The parameters used in the calculations are selected properly so that the correspondence between measured and calculated spectra be obtained by interpolation or extrapolation of the calculated data.

3.3. Input Data

The analysis is performed by using the following data. Fission yields of FP's are referred from the data of ENDF/B-II and the other characteristics of FP's such as decay schemes, half lives, γ -ray energies and their branching ratios are referred from the data in Table of Isotopes⁴⁾.

Acknowledgement

Authors are greatly indebted to Mr. K. Koyama for his continuous discussions during the execution of this work.

References

- 1) N. Sasamoto and K. Tasaka ; "Nuclear Characteristics of Fission Product," JAERI-memo 4586 (unpublished), Sep. 1971.
- 2) G. Friedlander and J. W. Kennedy ; "Nuclear and Radiochemistry," Jhon Wiley & Sons, Inc., New York. (1955)
- 3) K. Tasaka and N. Sasamoto ; "FP-S : Program for Calculation of Atomic Density for Each Fission Nuclide," JAERI 1198, Dec. 1971.
- 4) Lederer, Hollander and Perlman ; "Table of Isotopes, 6th edition," John Willey & Sons, Inc. March 1968.

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References

- 1) N. Sasamoto and K. Tasaka ; "Nuclear Characteristics of Fission Product," JAERI-memo 4586 (unpublished), Sep. 1971.
- 2) G. Friedlander and J. W. Kennedy ; "Nuclear and Radiochemistry," Jhon Wiley & Sons, Inc., New York. (1955)
- 3) K. Tasaka and N. Sasamoto ; "FP-S : Program for Calculation of Atomic Density for Each Fission Nuclide," JAERI 1198, Dec. 1971.
- 4) Lederer, Hollander and Perlman ; "Table of Isotopes, 6th edition," John Wiley & Sons, Inc. March 1968.

Table 1.

Relative intensities of γ rays of FP for ^{235}U burst
fissions by thermal neutrons.

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 4.3400 MEV TO 0.1050 MEV

***IRRADIATION TIME** 0.0 DAY 0.0 HR 0.0 MIN 1.000E 00 SEC
***COOLING TIME ** 0.0 DAY 0.0 HR 0.0 MIN 0.000E 00 SEC
***TOTAL GAMMA INTENSITY = 1.14208E 02 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
RB 90	4.3400 MEV	1.8046E-03	KR 90	1.9400 MEV	5.1184E-03	KR 90	0.7700 MEV	7.6776E-03	KR 90	0.4400 MEV	1.0237E-02
RB 90	4.1300 MEV	1.5270E-03	KR 90	1.7900 MEV	2.8151E-02	TE133	0.7540 MEV	7.0615E-03	TE133	0.4320 MEV	4.1538E-03
KR 90	3.6000 MEV	2.5592E-03	KR 90	1.7000 MEV	1.2794E-02	KR 90	0.7200 MEV	1.0237E-02	KR 90	0.4000 MEV	7.6776E-03
RB 90	3.3400 MEV	2.0823E-03	KR 90	1.6300 MEV	1.0237E-02	TE133	0.7000 MEV	1.9938E-03	TE133	0.3100 MEV	1.7446E-03
KR 90	3.1700 MEV	2.5542E-03	KR 90	1.5400 MEV	4.3804E-02	KR 90	0.6700 MEV	1.0237E-02	KR 90	0.3100 MEV	7.6776E-03
KR 90	3.0800 MEV	5.1184E-03	SR 94	1.4200 MEV	9.2017E-02	AS 60	0.6660 MEV	3.8818E-03	PR148	0.3000 MEV	6.5445E-03
KR 90	2.9400 MEV	7.6776E-03	KR 90	1.4000 MEV	1.2794E-02	KR 90	0.6400 MEV	1.7914E-02	KR 90	0.2700 MEV	7.6776E-03
KR 90	2.7000 MEV	5.1184E-03	KR 90	1.3400 MEV	1.0237E-02	TE133	0.6300 MEV	1.4954E-03	KR 90	0.2360 MEV	4.0947E-02
KR 90	2.5800 MEV	5.1184E-03	KR 90	1.2300 MEV	7.6776E-03	TE133	0.5570 MEV	2.9077E-03	TE134	0.2040 MEV	1.0773E-03
KR 90	2.4800 MEV	1.0237E-02	KR 90	1.1100 MEV	1.2284E-01	KR 90	0.5360 MEV	1.2284E-01	KR 90	0.1700 MEV	1.2796E-02
KR 90	2.4000 MEV	2.5542E-03	KR 90	0.9700 MEV	1.0237E-02	KR 90	0.4950 MEV	3.0710E-02	TE131	0.1500 MEV	5.2910E-03
KR 90	2.2900 MEV	2.5592E-03	TE133	0.9100 MEV	4.7454E-03	TE133	0.4700 MEV	1.8277E-03	KR 90	0.1200 MEV	1.6635E-01
KR 90	2.1200 MEV	5.1184E-03	KR 90	0.8900 MEV	5.1184E-03	XE137	0.4530 MEV	1.4219E-03	KR 90	0.1050 MEV	3.8388E-02
KR 90	2.0300 MEV	2.5592E-03	RB 90	0.8300 MEV	7.7737E-03	TE131	0.4530 MEV	1.2698E-03			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 4.3400 MEV TO 0.1050 MEV

***IRRADIATION TIME** 0.0 DAY 0.0 HR 0.0 MIN 1.000E 00 SEC
***COOLING TIME ** 0.0 DAY 0.0 HR 0.0 MIN 1.000E 01 SEC
***TOTAL GAMMA INTENSITY = 1.06844E 02 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
RB 90	4.3400 MEV	2.5566E-03	KR 90	1.7900 MEV	2.7091E-02	KR 90	0.7700 MEV	7.3885E-03	TE133	0.4320 MEV	4.4807E-03
RB 90	4.1300 MEV	2.1633E-03	KR 90	1.7000 MEV	1.2314E-02	TE133	0.7540 MEV	7.6173E-03	KR 87	0.4050 MEV	1.0193E-03
KR 90	3.6000 MEV	2.4628E-03	KR 90	1.6300 MEV	9.8514E-03	KR 90	0.7200 MEV	9.8514E-03	KR 90	0.4000 MEV	7.3885E-03
RB 90	3.3400 MEV	2.9649E-03	KR 90	1.5400 MEV	4.1868E-02	TE133	0.7000 MEV	2.1508E-03	TE133	0.3100 MEV	1.8819E-03
KR 90	3.1700 MEV	2.4628E-03	SR 94	1.4200 MEV	1.0497E-01	KR 90	0.6700 MEV	9.8514E-03	KR 90	0.3100 MEV	7.3885E-03
KR 90	3.0800 MEV	4.9257E-03	KR 90	1.4000 MEV	9.8514E-02	AS 60	0.6660 MEV	3.3083E-03	PR148	0.3000 MEV	8.2540E-03
KR 90	2.9400 MEV	7.3845E-03	KR 90	1.3400 MEV	1.2314E-02	KR 90	0.6400 MEV	1.7240E-02	KR 90	0.2700 MEV	7.3885E-03
KR 90	2.7000 MEV	4.9257E-03	KR 90	1.2300 MEV	7.3885E-03	TE133	0.6300 MEV	1.6131E-03	TE134	0.2620 MEV	1.0404E-03
KR 90	2.5800 MEV	4.9257E-03	RB 90	1.1100 MEV	1.3766E-03	TE133	0.5570 MEV	3.1365E-03	KR 90	0.2360 MEV	3.9405E-02
KR 90	2.4800 MEV	9.8514E-03	KR 90	1.1100 MEV	1.1822E-01	KR 90	0.5360 MEV	1.1822E-01	TE134	0.2040 MEV	1.1499E-03
KR 90	2.4000 MEV	2.4628E-03	KR 90	0.9700 MEV	9.8514E-03	KR 90	0.4950 MEV	2.9554E-02	KR 90	0.1700 MEV	1.2314E-02
KR 90	2.2900 MEV	2.4628E-03	TE133	0.9100 MEV	5.1080E-03	TE133	0.4700 MEV	1.9715E-03	TE131	0.1500 MEV	5.6396E-03
KR 90	2.1200 MEV	4.9257E-03	KR 90	0.8900 MEV	4.9257E-03	XE137	0.4530 MEV	1.4976E-03	KR 90	0.1200 MEV	1.6008E-01
KR 90	2.0300 MEV	2.4628E-03	RB 90	0.8600 MEV	1.1800E-03	TE131	0.4530 MEV	1.3535E-03	KR 90	0.1050 MEV	3.6943E-02
KR 90	1.9400 MEV	4.9257E-03	RB 90	0.8300 MEV	1.1013E-02	KR 90	0.4400 MEV	9.8514E-03			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 5.2000 MEV TO 0.0800 MEV

***IRRADIATION TIME** 0.0 DAY 0.0 HR 0.0 MIN 1.000E 00 SEC
***COOLING TIME ** 0.0 DAY 0.0 HR 0.0 MIN 0.000E 01 SEC
***TOTAL GAMMA INTENSITY = 6.23646E 02 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
RB 90	5.2000 MEV	2.8122E-03	KR 90	1.7900 MEV	2.0031E-02	MO141	0.8900 MEV	1.4194E-03	XE137	0.4550 MEV	2.2788E-03
RB 90	5.1000 MEV	1.4061E-03	KR 90	1.7000 MEV	2.1091E-03	KR 90	0.8900 MEV	3.6421E-03	TE131	0.4530 MEV	2.2670E-03
RB 90	4.6000 MEV	3.5152E-03	KR 90	1.7000 MEV	9.1052E-03	PR 90	0.8600 MEV	4.2183E-03	KR 90	0.4400 MEV	7.2842E-03
RB 90	4.3700 MEV	2.8122E-03	KR 90	1.6300 MEV	7.2842E-03	I 134	0.8500 MEV	1.0136E-03	TE133	0.4320 MEV	8.1719E-03
RB 90	4.3400 MEV	9.1396E-03	MO141	1.5600 MEV	1.0609E-03	RB 90	0.8300 MEV	3.9371E-02	KR 87	0.4050 MEV	1.7356E-03
RB 90	4.1300 MEV	7.7335E-03	KR 90	1.5400 MEV	3.0958E-02	NR 98	0.7800 MEV	3.0879E-03	KR 90	0.4000 MEV	5.4631E-03
KR 90	3.6000 MEV	1.8210E-03	CS136	1.4200 MEV	1.2735E-03	KP 90	0.7700 MEV	5.4631E-03	TE131	0.3440 MEV	1.0391E-03
RB 90	3.5400 MEV	3.5152E-03	SR 94	1.4200 MEV	1.3215E-01	TE133	0.7540 MEV	1.3892E-02	TE131	0.3430 MEV	1.0391E-03
RB 90	3.3400 MEV	1.0546E-02	KR 90	1.4000 MEV	3.5152E-03	NR 98	0.7200 MEV	2.3161E-03	PR147	0.3400 MEV	1.1765E-03
KR 90	3.1700 MEV	1.8210E-03	KR 90	1.4000 MEV	5.1052E-03	RB 90	0.7200 MEV	2.8122E-03	TE133	0.3100 MEV	3.3422E-03
KR 90	3.0800 MEV	3.6421E-03	SR 92	1.3700 MEV	1.6715E-03	KR 90	0.7200 MEV	7.2842E-03	KR 90	0.3100 MEV	5.4631E-03
RB 90	3.0700 MEV	3.5152E-03	KR 90	1.3400 MEV	7.2842E-03	MO141	0.7040 MEV	1.0409E-03	PR148	0.3000 MEV	2.3875E-02
KR 90	2.9400 MEV	5.4641E-03	PR 89	1.2600 MEV	1.8210E-03	TE133	0.7000 MEV	3.9225E-03	KR 90	0.2700 MEV	5.4631E-03
RB 90	2.9400 MEV	1.4061E-03	RB 90	1.2400 MEV	1.4061E-03	KR 90	0.6700 MEV	7.2842E-03	TE134	0.2620 MEV	1.7628E-03
KR 90	2.8000 MEV	3.6421E-03	KR 90	1.2300 MEV	5.4631E-03	PR147	0.6500 MEV	1.1295E-03	KR 90	0.2360 MEV	2.9137E-02
KR 90	2.5800 MEV	3.6421E-03	MO141	1.1800 MEV	1.0409E-03	SR131	0.6400 MEV	1.3432E-03	TE134	0.2040 MEV	1.9484E-03
PR 90	2.5100 MEV	1.4061E-03	KR 90	1.1100 MEV	4.6213E-03	KP 90	0.6400 MEV	1.2747E-02	MO141	0.1910 MEV	2.3656E-03
KR 90	2.4800 MEV	7.2842E-03	KR 90	1.1100 MEV	8.7410E-02	TE133	0.6300 MEV	2.9419E-03	TE134	0.1700 MEV	1.4845E-03
KR 90	2.4000 MEV	1.8210E-03	RA 44	1.0500 MEV	2.5010E-03	MO141	0.5900 MEV	1.9871E-03	KR 90	0.1700 MEV	9.1052E-03
KR 90	2.2900 MEV	1.8210E-03	PR 90	1.0300 MEV	3.5152E-03	PR147	0.5500 MEV	1.8354E-03	TE131	0.1500 MEV	9.4460E-03
RB 90	2.2000 MEV	1.4061E-03	MO141	1.0200 MEV	2.3656E-03	TE133	0.5570 MEV	5.7203E-03	KR 90	0.1200 MEV	1.1837E-01
KR 90	2.1200 MEV	3.6421E-03	TE133	0.9700 MEV	1.6344E-03	KR 90	0.5360 MEV	8.7410E-04	KR 90	0.1050 MEV	7.2316E-02
MO141	2.0600 MEV	1.5140E-03	KR 90	0.9700 MEV	7.2842E-03	RB 90	0.5300 MEV	2.8122E-03	TE134	0.0800 MEV	1.2061E-03
KR 90	2.0300 MEV	1.8210E-03	SR131	0.9500 MEV	1.7426E-03	MO141	0.5100 MEV	1.5140E-03			
KR 90	1.9400 MEV	3.6421E-03	Y 84	0.8700 MEV	2.8546E-03	KR 90	0.4950 MEV	2.1833E-02			
RB 90	1.8200 MEV	2.1091E-03	TE133	0.9100 MEV	9.1160E-03	TE133	0.4700 MEV	3.5956E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 5.2000 MEV TO 0.0780 MEV

IRRADIATION TIME 0.0 DAY 0.0 HR 0.0 MIN 1.000E 00 SEC
 **COOLING TIME ** 0.0 DAY 0.0 HR 1.000E 00 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 5.56224E 07 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
RB 90	5.2000	MEV 3.3177E-03	RR 90	1.7000	MEV 2.4883E-03	MO101	0.8900	MEV 1.7600E-03	TE131	0.4530	MEV 2.5279E-03
RB 90	5.1000	MEV 1.6588E-03	RR 90	1.7000	MEV 8.2734E-03	RR 90	0.8900	MEV 3.3102E-03	RR 90	0.4400	MEV 6.6203E-03
RB 90	4.6000	MEV 4.1471E-03	RR 90	1.6300	MEV 6.6203E-03	RR 90	0.8900	MEV 4.9765E-03	TE131	0.4320	MEV 9.2844E-03
RB 90	4.3700	MEV 3.3177E-03	MO101	1.5600	MEV 1.2907E-03	I 134	0.8500	MEV 1.1557E-03	RR 87	0.4050	MEV 1.9432E-03
RB 90	4.3400	MEV 1.0782E-02	RR 90	1.5400	MEV 2.8136E-03	RR 90	0.8300	MEV 4.6447E-03	RR 90	0.4000	MEV 4.9652E-03
RB 90	4.1300	MEV 9.1236E-03	CS138	1.4260	MEV 1.4779E-03	RR 90	0.7600	MEV 3.8775E-03	TE133	0.3900	MEV 1.1141E-03
RR 90	3.6000	MEV 1.6551E-03	SR 84	1.4200	MEV 1.3558E-03	RR 90	0.7700	MEV 4.9652E-03	TE131	0.3840	MEV 1.1586E-03
RR 90	3.5400	MEV 4.1471E-03	RR 90	1.4000	MEV 4.1471E-03	TE133	0.7540	MEV 1.5783E-04	TE131	0.3430	MEV 1.1586E-03
RR 90	3.3400	MEV 1.2441E-02	RR 90	1.4000	MEV 8.2734E-03	RR 90	0.7200	MEV 2.9083E-03	PR147	0.3400	MEV 1.4646E-03
RR 90	3.1700	MEV 1.6551E-03	MO101	1.3800	MEV 1.0560E-03	RR 90	0.7200	MEV 3.3177E-03	PR147	0.3100	MEV 1.1717E-03
RR 90	3.0800	MEV 3.3177E-03	SR 82	1.3700	MEV 1.8755E-03	RR 90	0.7200	MEV 6.6203E-03	TE133	0.3100	MEV 3.8994E-03
RR 90	3.0700	MEV 4.1471E-03	RR 90	1.3400	MEV 6.6203E-03	MO101	0.7940	MEV 1.2907E-03	RR 90	0.3100	MEV 4.9652E-03
RR 90	2.9400	MEV 4.9652E-03	RR 89	1.2600	MEV 2.3121E-03	TE133	0.7000	MEV 4.4565E-03	PR148	0.3000	MEV 2.7836E-02
RR 90	2.8400	MEV 1.6588E-03	RR 90	1.2400	MEV 1.6588E-03	RR 90	0.6700	MEV 6.6203E-03	RR 90	0.2700	MEV 4.9652E-03
RR 90	2.7000	MEV 3.3102E-03	RR 90	1.2300	MEV 4.9652E-03	PR147	0.6500	MEV 1.4060E-03	TE134	0.2620	MEV 1.9712E-03
RR 90	2.5800	MEV 3.3102E-03	MO101	1.1800	MEV 1.2907E-03	SB131	0.6400	MEV 1.5334E-03	RR 90	0.2360	MEV 2.6481E-02
RR 90	2.5100	MEV 1.6588E-03	RR 98	1.1600	MEV 1.1633E-03	RR 90	0.6400	MEV 1.1586E-02	TE134	0.2040	MEV 2.1787E-03
RR 90	2.4800	MEV 6.6203E-03	RR 90	1.1100	MEV 5.8059E-03	TE133	0.6300	MEV 3.3424E-03	MO101	0.1910	MEV 2.9334E-03
RR 90	2.4000	MEV 1.6551E-03	RR 89	1.1100	MEV 7.9444E-02	MO101	0.5900	MEV 2.4641E-03	TE134	0.1700	MEV 1.6600E-03
RR 90	2.2900	MEV 1.6551E-03	RR 89	1.0500	MEV 3.2370E-03	PR147	0.5600	MEV 2.2848E-03	RR 90	0.1700	MEV 8.2734E-03
RR 90	2.2000	MEV 1.6551E-03	RR 90	1.0300	MEV 4.1471E-03	TE133	0.5570	MEV 6.4991E-03	TE131	0.1600	MEV 1.0533E-02
RR 90	2.1200	MEV 3.3177E-03	MO101	1.0200	MEV 2.9334E-03	RR 90	0.5360	MEV 7.9444E-02	RR 90	0.1200	MEV 1.0758E-01
MO101	2.0800	MEV 1.8774E-03	TE133	0.9700	MEV 1.8569E-03	RR 90	0.5300	MEV 3.3177E-03	RR 90	0.1050	MEV 2.4826E-02
RR 90	2.0300	MEV 1.6551E-03	RR 90	0.9700	MEV 6.6203E-03	MO101	0.5100	MEV 1.8774E-03	TE134	0.0800	MEV 1.3487E-03
RR 90	1.9400	MEV 3.3102E-03	SH131	0.9500	MEV 1.9893E-03	RR 90	0.4950	MEV 1.9861E-02			
RR 90	1.8200	MEV 2.4883E-03	Y 94	0.9200	MEV 3.5287E-03	TE133	0.4700	MEV 4.0831E-03			
RR 90	1.7900	MEV 1.8206E-02	TE133	0.9100	MEV 1.0584E-02	XE137	0.4550	MEV 2.4806E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 5.2000 MEV TO 0.0780 MEV

IRRADIATION TIME 0.0 DAY 0.0 HR 0.0 MIN 1.000E 00 SEC
 **COOLING TIME ** 0.0 DAY 0.0 HR 1.000E 01 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 1.38698E 07 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
RB 90	5.2000	MEV 2.2709E-03	NR 98	1.4400	MEV 2.6255E-03	RR 88	0.8500	MEV 1.1937E-03	TE133	0.4700	MEV 1.7435E-02
RB 90	5.1000	MEV 1.1355E-03	CS138	1.4260	MEV 1.4064E-02	RR 90	0.8300	MEV 3.1793E-02	CS138	0.4626	MEV 4.4313E-03
RB 90	4.6000	MEV 2.8387E-03	SR 84	1.4200	MEV 4.4806E-03	SE 83	0.8300	MEV 1.8669E-03	PR146	0.4550	MEV 8.4066E-03
RB 90	4.3700	MEV 2.2709E-03	RR 90	1.4000	MEV 2.8387E-03	PR146	0.7900	MEV 1.6316E-03	XE137	0.4550	MEV 2.0093E-03
RB 90	4.3400	MEV 7.3805E-03	MO101	1.3800	MEV 5.2534E-03	RR 98	0.7800	MEV 2.6245E-02	TE131	0.4530	MEV 7.7011E-03
RB 90	4.1300	MEV 6.2450E-03	RR 92	1.3700	MEV 7.2421E-03	TE133	0.7540	MEV 6.7362E-02	TE133	0.4320	MEV 3.9624E-02
RR 90	3.5400	MEV 2.8387E-03	SR 83	1.3100	MEV 1.1575E-03	NR 97*	0.7470	MEV 1.3958E-03	RR 87	0.4050	MEV 7.1787E-03
RR 89	3.5200	MEV 1.1438E-03	I 115	1.2800	MEV 1.3009E-03	PR146	0.7400	MEV 1.7468E-03	MO101	0.4000	MEV 1.1679E-03
RR 90	3.3400	MEV 8.5160E-03	MO101	1.2800	MEV 1.7618E-03	RR 98	0.7200	MEV 1.9685E-02	TE133	0.3900	MEV 4.7549E-03
RR 90	3.0700	MEV 2.8387E-03	PR147	1.2600	MEV 3.1551E-03	RR 90	0.7200	MEV 2.2709E-03	TE131	0.3840	MEV 3.5296E-03
RR 90	2.8400	MEV 1.1355E-03	RR 88	1.2400	MEV 2.8333E-02	SE 83	0.7100	MEV 1.1575E-03	SE 83	0.3900	MEV 1.1575E-03
RR 89	2.7500	MEV 1.4586E-03	RR 90	1.2400	MEV 1.1355E-03	MO101	0.7040	MEV 6.4233E-03	TE131	0.3430	MEV 3.5296E-03
CS138	2.6300	MEV 1.7340E-03	MO101	1.1800	MEV 6.4233E-03	TE133	0.7000	MEV 1.9020E-02	PR147	0.3400	MEV 7.1707E-03
RR 89	2.5900	MEV 6.6897E-03	NR 98	1.1600	MEV 7.8739E-03	NR 98	0.6650	MEV 1.0684E-03	NR 98	0.3900	MEV 2.3627E-03
RR 87	2.5700	MEV 1.7018E-03	TE131	1.1470	MEV 3.0153E-03	RR 88	0.6600	MEV 8.6573E-03	PR147	0.3100	MEV 5.7366E-03
RR 90	2.5100	MEV 1.1355E-03	I 115	1.1450	MEV 1.4157E-03	PR147	0.6500	MEV 6.8839E-03	TE133	0.3100	MEV 1.6642E-02
LA142	2.4100	MEV 1.0894E-03	Y 84	1.1300	MEV 2.5428E-03	LA142	0.6500	MEV 3.4134E-03	RH107	0.3070	MEV 1.0626E-03
RR 88	2.4000	MEV 1.8324E-03	RR 90	1.1100	MEV 3.9741E-03	SR131	0.6400	MEV 7.6438E-03	TC101	0.3070	MEV 2.1660E-02
CS138	2.2100	MEV 3.4679E-03	I 114	1.0700	MEV 1.2308E-03	TE133	0.6300	MEV 1.4265E-02	PR148	0.3000	MEV 9.0933E-03
RR 90	2.2000	MEV 1.1355E-03	RR 89	1.0500	MEV 3.9451E-02	PR147	0.6100	MEV 2.8683E-03	MO101	0.3000	MEV 4.0875E-03
RR 89	2.2000	MEV 7.4747E-03	RR 90	1.0300	MEV 2.8387E-03	I 134	0.6100	MEV 1.5590E-03	TE134	0.2620	MEV 6.8141E-03
Y 94	2.1300	MEV 1.2302E-03	MO101	1.0200	MEV 1.4595E-02	TE131	0.6030	MEV 1.8922E-03	TE134	0.2040	MEV 7.5313E-03
MO101	2.0800	MEV 9.3480E-03	CS138	1.0100	MEV 4.8166E-03	PR146	0.5900	MEV 1.0918E-03	MO101	0.1930	MEV 1.1679E-03
NR 98	1.9300	MEV 2.0989E-03	TE131	0.9970	MEV 1.6374E-03	MO101	0.5900	MEV 1.2263E-02	MO101	0.1910	MEV 1.4598E-02
NR 98	1.8800	MEV 1.0446E-03	TE133	0.9780	MEV 7.9749E-03	PR147	0.5600	MEV 1.1186E-02	RR 88	0.1910	MEV 1.8324E-03
RR 90	1.8200	MEV 1.7032E-03	SA131	0.9500	MEV 5.9163E-03	Y 94	0.5600	MEV 3.0754E-03	TE134	0.1700	MEV 5.7382E-03
RR 90	1.7000	MEV 1.7032E-03	MO101	0.9500	MEV 1.1479E-03	TE133	0.5570	MEV 2.7737E-04	RA139	0.1658	MEV 2.0294E-03
NR 98	1.6800	MEV 2.6255E-03	Y 94	0.9200	MEV 2.2040E-02	SR 91	0.5510	MEV 1.5021E-03	TE131	0.1500	MEV 3.2088E-02
MO101	1.6600	MEV 1.7518E-03	TE133	0.9180	MEV 4.5172E-02	CS138	0.5500	MEV 1.5413E-03	PR147	0.1270	MEV 2.5815E-03
Y 94	1.6500	MEV 1.2302E-03	I 114	0.8900	MEV 5.5797E-03	TC101	0.5450	MEV 1.7427E-03	TE134	0.0800	MEV 4.6623E-03
MO101	1.5600	MEV 6.4233E-03	MO101	0.8900	MEV 8.7590E-03	RR 90	0.5300	MEV 2.2709E-03	MO101	0.0800	MEV 1.7518E-03
RR 89	1.5500	MEV 1.9676E-03	RR 84	0.8800	MEV 2.4816E-03	SE 83	0.5200	MEV 2.1105E-03	PR147	0.0780	MEV 4.8761E-03
NR 98	1.5200	MEV 1.0446E-03	RR 90	0.8600	MEV 3.4064E-03	MO101	0.5100	MEV 9.3430E-03			
PR146	1.5100	MEV 2.9478E-03	I 114	0.8500	MEV 8.2055E-03	TE131	0.4930	MEV 2.2461E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 2.9900 MEV TO 0.0800 MEV

IRRADIATION TIME 0.0 DAY 0.0 HR 0.0 MIN 1.000E 00 SEC
 **COOLING TIME ** 0.0 DAY 1.000E 00 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 4.05792E 06 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA142	2.9900 MEV	2.0386E-03	I 135	1.2800 MEV	4.1524E-03	KR 87	0.8500 MEV	1.3983E-03	PR146	0.4550 MEV	2.4842E-02
LA142	2.6700 MEV	1.1127E-03	RA 89	1.2600 MEV	1.2360E-02	SE 93	0.8300 MEV	1.5953E-03	TE131	0.4530 MEV	6.5368E-03
CS138	2.6300 MEV	6.3275E-03	LA142	1.2500 MEV	1.1127E-03	PR146	0.7800 MEV	4.8394E-03	TE133	0.4320 MEV	1.0618E-02
RB 89	2.5900 MEV	2.9184E-03	MO101	1.1800 MEV	2.0474E-03	NR 98	0.7800 MEV	4.5513E-02	I 134	0.4300 MEV	1.5310E-03
KR 87	2.5700 MEV	3.6865E-03	PR146	1.1600 MEV	1.2905E-03	I 134	0.7700 MEV	3.0619E-03	CS138	0.4106 MEV	2.1092E-03
LA142	2.5500 MEV	4.2601E-03	LA142	1.1600 MEV	1.1127E-03	TE133	0.7540 MEV	1.8051E-02	KR 87	0.4050 MEV	1.5551E-02
LA142	2.4100 MEV	5.7423E-03	NR 98	1.1600 MEV	1.3655E-02	SR 91	0.7480 MEV	2.3837E-03	I 134	0.3900 MEV	3.5722E-03
KR 88	2.4000 MEV	5.0955E-03	I 134	1.1500 MEV	5.1032E-03	NR 97	0.7470 MEV	4.6159E-03	TE133	0.3900 MEV	1.2742E-03
PR146	2.2300 MEV	1.2905E-03	TE131	1.1470 MEV	2.5595E-03	PR146	0.7400 MEV	5.1620E-03	TE131	0.3840 MEV	2.9960E-03
CS138	2.2100 MEV	1.2655E-02	I 135	1.1400 MEV	4.5188E-03	RU105	0.7250 MEV	1.1485E-03	TE131	0.3430 MEV	2.9960E-03
RB 89	2.2000 MEV	3.2618E-03	Y 94	1.1300 MEV	1.5981E-03	NR 98	0.7200 MEV	3.4137E-02	PR147	0.3400 MEV	1.3684E-03
LA142	2.1900 MEV	1.8519E-03	I 134	1.0700 MEV	1.5310E-03	MO101	0.7040 MEV	2.0474E-03	PM150	0.3330 MEV	1.8871E-03
KR 88	2.1900 MEV	2.5477E-03	I 134	1.0700 MEV	7.6548E-03	TE133	0.7000 MEV	5.0967E-03	NR 98	0.3300 MEV	4.0973E-03
MO101	2.0800 MEV	2.9781E-03	LA142	1.0600 MEV	1.4823E-03	I 134	0.6900 MEV	3.5722E-03	PR147	0.3100 MEV	1.0947E-03
LA142	2.0600 MEV	2.4082E-03	RR 89	1.0500 MEV	1.7167E-02	NR 97	0.6650 MEV	4.1131E-03	TE133	0.3100 MEV	4.4596E-03
NR 98	1.9300 MEV	3.6416E-03	I 135	1.0400 MEV	1.0992E-03	RB 89	0.6600 MEV	3.7768E-03	RH107	0.3070 MEV	1.0572E-03
LA142	1.9100 MEV	3.3341E-03	SR 91	1.0250 MEV	2.4684E-03	PR147	0.6500 MEV	1.3137E-03	TC101	0.3070 MEV	4.4341E-02
NR 98	1.8800 MEV	1.8185E-03	PR146	1.0200 MEV	1.6131E-03	LA142	0.6500 MEV	1.8519E-02	MO101	0.3000 MEV	1.3029E-03
RB 88	1.8500 MEV	3.3294E-03	MO101	1.0200 MEV	4.6532E-03	SR 91	0.6450 MEV	1.1483E-03	CE143	0.2930 MEV	1.0306E-03
I 135	1.8000 MEV	1.3434E-03	LA142	1.0100 MEV	1.6651E-03	SR131	0.6400 MEV	7.1594E-03	TE134	0.2620 MEV	1.0205E-02
I 134	1.7900 MEV	2.5316E-03	CS138	1.0100 MEV	1.7476E-02	TE133	0.6300 MEV	3.8226E-03	XE135	0.2500 MEV	1.0671E-03
LA142	1.7400 MEV	2.0386E-03	I 134	1.0000 MEV	2.5516E-03	I 134	0.6100 MEV	9.6961E-03	CS138	0.2289 MEV	1.1249E-03
PR146	1.7200 MEV	1.2905E-03	TE131	0.9970 MEV	1.3899E-03	TE131	0.6030 MEV	1.6062E-03	ND149	0.2100 MEV	1.3619E-03
I 135	1.7200 MEV	2.3205E-03	TF133	0.9700 MEV	2.1236E-03	PR146	0.5900 MEV	3.2263E-03	TE134	0.2040 MEV	1.1279E-02
NR 98	1.6800 MEV	4.5531E-03	I 134	0.9600 MEV	1.0706E-03	MO101	0.5900 MEV	3.9087E-03	MO101	0.1910 MEV	4.6532E-03
I 134	1.6200 MEV	2.5516E-03	SB131	0.9500 MEV	9.2879E-03	PR147	0.5600 MEV	2.1347E-03	KR 88	0.1910 MEV	5.0955E-03
MO101	1.5600 MEV	2.0474E-03	PR146	0.9200 MEV	1.9358E-03	Y 94	0.5600 MEV	1.9178E-03	TC101	0.1860 MEV	1.0193E-03
KR 88	1.5500 MEV	2.0382E-03	Y 94	0.9200 MEV	1.3744E-02	TE133	0.5570 MEV	7.4327E-03	TE134	0.1700 MEV	8.5934E-03
NR 98	1.5200 MEV	1.8185E-03	TF133	0.9100 MEV	1.2105E-02	Y 91	0.5510 MEV	2.6315E-03	KR 88	0.1660 MEV	1.0191E-03
PR146	1.5100 MEV	8.7109E-03	RR 88	0.9100 MEV	2.0970E-03	SR 91	0.5510 MEV	4.8522E-03	BA139	0.1658 MEV	1.0036E-02
I 135	1.4600 MEV	1.4656E-03	LA142	0.9000 MEV	3.3341E-03	CS138	0.5500 MEV	5.6244E-03	TE131	0.1500 MEV	2.7237E-02
I 134	1.4600 MEV	2.0413E-03	I 134	0.8900 MEV	3.4702E-02	TC101	0.5450 MEV	3.5677E-03	KR 85	0.1495 MEV	2.7654E-03
NR 98	1.4400 MEV	4.5531E-03	MO101	0.8900 MEV	2.7619E-03	I 134	0.5400 MEV	4.0826E-03	CS138	0.1389 MEV	1.4061E-03
CS138	1.4260 MEV	5.1323E-02	RR 84	0.8800 MEV	3.3534E-03	I 133	0.5300 MEV	4.0993E-03	I 134	0.1350 MEV	1.5310E-03
MO101	1.3800 MEV	1.6752E-03	CS138	0.8700 MEV	2.8122E-03	SE 83	0.5200 MEV	1.8033E-03	TC101	0.1300 MEV	1.1519E-03
PR146	1.3700 MEV	1.9358E-03	I 135	0.8600 MEV	1.3434E-03	MO101	0.5100 MEV	2.9781E-03	ND149	0.1140 MEV	1.1987E-03
SR 92	1.3700 MEV	2.0001E-02	I 134	0.8600 MEV	2.5516E-03	TE131	0.4930 MEV	1.9066E-03	TE134	0.0800 MEV	6.9822E-03
I 134	1.3400 MEV	1.0206E-03	I 134	0.8500 MEV	5.1032E-02	TE133	0.4700 MEV	4.6720E-03			
I 133	1.3000 MEV	1.6397E-03	KR 88	0.8500 MEV	3.3193E-03	CS138	0.4620 MEV	1.6170E-02			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.9000 MEV TO 0.0270 MEV

IRRADIATION TIME 0.0 DAY 0.0 HR 0.0 MIN 1.000E 00 SEC
 **COOLING TIME ** 1.000E 00 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 8.69082E 04 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
Y 93	1.9000 MEV	1.4616E-03	Y 93	0.9400 MEV	1.8676E-03	SR 91	0.6450 MEV	1.0311E-02	RH105	0.3193 MEV	2.2608E-03
I 135	1.8000 MEV	5.8084E-03	Y 92	0.9300 MEV	4.2375E-03	I 132	0.6303 MEV	3.0904E-03	CE143	0.2930 MEV	3.1339E-02
ZR 97	1.7500 MEV	1.0720E-03	SR 91	0.9300 MEV	2.1922E-03	I 132	0.6207 MEV	2.5146E-03	Y 93	0.2670 MEV	4.8721E-03
I 135	1.7200 MEV	1.0033E-02	I 133	0.8700 MEV	8.4965E-03	BR 82	0.6170 MEV	1.0081E-03	XE135	0.2500 MEV	1.3359E-01
LA140	1.5970 MEV	4.3334E-03	I 135	0.8600 MEV	5.8084E-03	XE135	0.6100 MEV	4.1317E-03	ZR 97	0.2500 MEV	1.3400E-03
I 135	1.4600 MEV	6.3364E-03	MO 99	0.7800 MEV	2.1625E-03	ZR 97	0.6000 MEV	1.4293E-03	CE143	0.2340 MEV	1.2834E-03
SR 91	1.4130 MEV	5.1667E-03	BR 82	0.7800 MEV	1.9377E-03	BR 82	0.5540 MEV	1.6065E-03	TF132	0.2300 MEV	2.3097E-02
Y 92	1.4000 MEV	1.4411E-03	I 132	0.7730 MEV	1.8707E-02	Y 91	0.5510 MEV	4.5295E-02	MO 99	0.1810 MEV	3.3421E-03
I 132	1.3900 MEV	1.8704E-03	ZR 95	0.7560 MEV	1.3169E-03	SR 91	0.5510 MEV	4.3570E-02	RA140	0.1620 MEV	1.0644E-03
SR 92	1.3700 MEV	2.6026E-03	SR 91	0.7480 MEV	2.1405E-02	BA140	0.5360 MEV	3.8584E-03	KR 85	0.1495 MEV	3.4471E-03
ZR 97	1.3500 MEV	2.4119E-03	NR 87	0.7470 MEV	8.4576E-02	I 133	0.5300 MEV	9.3961E-03	CE141	0.1484 MEV	2.3617E-03
I 133	1.3000 MEV	3.7584E-02	MO 99	0.7400 MEV	5.8978E-03	RU103	0.5000 MEV	1.8783E-03	CE143	0.1430 MEV	1.9400E-03
I 135	1.2800 MEV	1.7953E-02	I 132	0.7280 MEV	1.4565E-03	CE143	0.4930 MEV	1.2834E-03	TC 99	0.1405 MEV	3.9246E-02
I 132	1.2800 MEV	1.4565E-03	CE143	0.7250 MEV	3.8800E-03	LA140	0.4870 MEV	2.0831E-03	ND147	0.0910 MEV	1.4292E-03
I 133	1.2400 MEV	1.8792E-03	RU105	0.7250 MEV	1.4895E-03	TE129	0.4550 MEV	1.5845E-03	XE135	0.0810 MEV	6.7359E-03
ZR 97	1.1500 MEV	2.5013E-03	ZR 95	0.7240 MEV	1.3169E-03	I 135	0.4200 MEV	3.6434E-03	CE143	0.0570 MEV	7.4616E-03
I 135	1.1400 MEV	1.9337E-02	I 133	0.7100 MEV	1.8792E-03	I 131	0.3640 MEV	7.9171E-03	TE132	0.0530 MEV	4.3835E-03
I 135	1.0400 MEV	4.7523E-03	ZR 97	0.6900 MEV	1.0720E-03	CE143	0.3500 MEV	2.9100E-03	BA140	0.0300 MEV	1.7296E-03
SR 91	1.0250 MEV	2.2165E-02	CE143	0.6680 MEV	4.1785E-03	ZR 97	0.3400 MEV	2.5013E-03	TE129	0.0770 MEV	1.9310E-03
NR 97	1.0200 MEV	2.8188E-03	I 132	0.6670 MEV	2.3403E-02	PM151	0.3399 MEV	1.2278E-03			
I 132	0.9547 MEV	4.3663E-03	NR 87	0.6650 MEV	9.4089E-02	LA140	0.3290 MEV	1.0289E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 3.1300 MEV TO 0.0270 MEV

IRRADIATION TIME 0.0 DAY 0.0 HR 0.0 MIN 1.000E 00 SEC
 **COOLING TIME ** 7.000E 00 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 7.80391E 03 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	3.4098E-03	ZR 95	0.7560 MEV	1.3757E-02	I 132	0.5230 MEV	1.6402E-03	MO 99	0.1810 MEV	8.3900E-03
LA140	2.5300 MEV	4.5464E-03	LA140	0.7520 MEV	3.6830E-03	I 132	0.5080 MEV	2.5761E-03	BA140	0.1620 MEV	8.5652E-03
LA140	1.5970 MEV	9.7179E-02	NR 97*	0.7470 MEV	2.6488E-03	RU103	0.5000 MEV	1.8832E-02	CE141	0.1454 MEV	2.3553E-02
I 132	1.4400 MEV	1.9297E-03	MO 99	0.7400 MEV	1.4480E-02	LA140	0.4870 MEV	4.6714E-02	CE143	0.1430 MEV	1.0495E-02
I 132	1.3900 MEV	5.7986E-03	I 132	0.7280 MEV	4.5154E-03	TE129	0.4550 MEV	1.6883E-03	TC 99*	0.1405 MEV	9.8523E-02
I 132	1.3600 MEV	1.2929E-03	CF143	0.7250 MEV	2.0989E-03	LA140	0.4360 MEV	2.7278E-03	BA140	0.1320 MEV	1.8201E-03
I 133	1.3000 MEV	3.6102E-03	ZR 95	0.7240 MEV	1.3757E-02	BA140	0.4360 MEV	5.3533E-03	ND147	0.0910 MEV	1.0943E-02
I 132	1.2800 MEV	4.5154E-03	CF143	0.6680 MEV	2.2604E-03	MO 99	0.3720 MEV	1.6040E-03	XE133	0.0810 MEV	7.0514E-02
I 132	1.1400 MEV	2.5761E-03	I 132	0.6678 MEV	7.2555E-02	I 131	0.3640 MEV	3.2595E-02	I 131	0.0800 MEV	1.6290E-03
I 132	1.1390 MEV	1.2929E-03	NR 97	0.6650 MEV	2.9537E-03	CE143	0.3500 MEV	1.5742E-03	CE143	0.0570 MEV	4.0364E-03
I 132	0.9547 MEV	1.3537E-02	I 131	0.6370 MEV	4.3629E-03	LA140	0.3290 MEV	2.3073E-02	TE132	0.0530 MEV	1.3577E-02
LA140	0.9240 MEV	1.1366E-02	I 132	0.6303 MEV	9.5807E-03	ND147	0.3220 MEV	1.2969E-03	MO 99	0.0400 MEV	1.2338E-03
LA140	0.8680 MEV	5.6830E-03	I 132	0.6207 MEV	7.7958E-03	RH105	0.3193 MEV	1.6242E-03	BA140	0.0300 MEV	1.3918E-02
LA140	0.8150 MEV	2.1368E-02	RU103	0.6100 MEV	1.0692E-03	BA140	0.3040 MEV	7.4946E-03	TE129	0.0270 MEV	2.1107E-03
MO 99	0.7800 MEV	5.4288E-03	NR 97	0.5540 MEV	1.0617E-03	CE143	0.2930 MEV	1.6953E-02			
BR 82	0.7800 MEV	1.2806E-02	BA140	0.5360 MEV	3.1049E-02	I 131	0.2840 MEV	3.4727E-03			
I 132	0.7730 MEV	5.7996E-02	ND147	0.5330 MEV	5.2687E-03	I 132	0.2630 MEV	1.2929E-03			
NR 95	0.7645 MEV	5.3841E-03	I 133	0.5300 MEV	9.0255E-03	TE132	0.2500 MEV	7.1539E-02			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 3.1300 MEV TO 0.0300 MEV

IRRADIATION TIME 0.0 DAY 0.0 HR 0.0 MIN 1.000E 00 SEC
 **COOLING TIME ** 3.000E 01 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 1.34651E 03 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	6.1644E-03	ZR 95	0.7240 MEV	6.2390E-02	LA140	0.4360 MEV	4.9315E-03	TC 99*	0.1405 MEV	1.8900E-03
LA140	2.5300 MEV	8.2192E-03	I 132	0.6678 MEV	3.1144E-03	BA140	0.4360 MEV	8.9291E-03	CE144	0.1335 MEV	2.1578E-03
LA140	1.5970 MEV	1.7569E-01	I 131	0.6370 MEV	3.4897E-03	I 131	0.3640 MEV	4.2069E-02	BA140	0.1320 MEV	3.0359E-03
LA140	0.9240 MEV	2.0548E-02	RU103	0.6100 MEV	4.1429E-03	LA140	0.3290 MEV	4.1713E-02	ND147	0.0910 MEV	1.5082E-02
LA140	0.8680 MEV	1.0274E-02	RU103	0.5500 MEV	1.6488E-03	ND147	0.3220 MEV	1.7875E-03	XE133	0.0810 MEV	2.0040E-02
LA140	0.8150 MEV	3.8630E-02	BA140	0.5360 MEV	5.1789E-02	BA140	0.3040 MEV	1.2501E-02	I 131	0.0800 MEV	1.3030E-03
I 132	0.7730 MEV	2.4895E-03	ND147	0.5330 MEV	7.2618E-03	I 131	0.2840 MEV	2.7776E-03	BA140	0.0300 MEV	2.3216E-02
NR 95	0.7645 MEV	7.2126E-02	RU103	0.5000 MEV	7.2972E-02	TE132	0.2300 MEV	3.0708E-03			
ZR 95	0.7560 MEV	6.2390E-02	LA140	0.4870 MEV	8.4492E-02	BA140	0.1620 MEV	1.4287E-02			
LA140	0.7520 MEV	1.0274E-02	ND147	0.4420 MEV	1.1137E-03	CE141	0.1454 MEV	8.4203E-02			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 2.1860 MEV TO 0.0801 MEV

IRRADIATION TIME 0.0 DAY 0.0 HR 0.0 MIN 1.000E 00 SEC
 **COOLING TIME ** 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 1.90253E 01 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
PR144	2.1860 MEV	7.1150E-03	ZR 95	0.7240 MEV	1.2398E-01	RH106	0.5120 MEV	1.3983E-02	CE144	0.1335 MEV	6.7386E-02
PR144	1.4870 MEV	2.9476E-03	PR144	0.6970 MEV	1.5746E-02	RU103	0.5000 MEV	1.4662E-02	EU155	0.0865 MEV	1.0045E-03
NR 95	0.7645 MEV	5.3031E-01	BA137*	0.6616 MEV	5.7959E-02	NR 95*	0.2350 MEV	1.2699E-03	CE144	0.0801 MEV	2.2259E-02
ZR 95	0.7560 MEV	1.2398E-01	RH106	0.6200 MEV	6.1489E-03	CE141	0.1454 MEV	5.2364E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 0.6616 MEV TO 0.4270 MEV

IRRADIATION TIME 0.0 DAY 0.0 HR 0.0 MIN 1.000E 00 SEC
 **COOLING TIME ** 3.650E 03 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 9.02799E-01 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
BA137*	0.6616 MEV	9.0261E-01	SA135	0.4270 MEV	1.4050E-03						

Table 2.

Relative intensities of γ rays of FP for ^{235}U fissions
by thermal neutrons for 10^4 days of irradiation.

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 4.3400 MEV TO 0.0300 MEV

IRRADIATION TIME 1.000E 04 DAY 0.0 HR 0.0 MIN 0.0 SEC
COOLING TIME 0.0 DAY 0.0 HR 1.000E 00 MIN 0.0 SEC
***TOTAL GAMMA INTENSITY = 8.60799E 10 DPS ***

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
RB 90	4.3400 MEV	2.3830E-03	RR 80	1.1100 MEV	1.2831E-03	MO 99	0.7400 MEV	2.6546E-03	I 135	0.4200 MEV	1.5274E-03
RB 90	4.1300 MEV	2.0164E-03	KR 80	1.1100 MEV	2.2471E-03	RU105	0.7250 MEV	1.4221E-03	KR 87	0.4050 MEV	8.2557E-03
RB 90	3.3400 MEV	2.7496E-03	I 134	1.0700 MEV	3.9849E-03	ZR 95	0.7240 MEV	1.0888E-02	I 134	0.3900 MEV	1.8596E-03
CS138	2.6300 MEV	2.0623E-03	RB 89	1.0500 MEV	1.2737E-02	NB 98	0.7200 MEV	1.5666E-02	TE133	0.3900 MEV	1.3973E-03
RB 89	2.5900 MEV	2.1653E-03	I 135	1.0400 MEV	1.9623E-03	MO101	0.7040 MEV	1.9395E-03	TE131	0.3840 MEV	3.0948E-03
KR 87	2.5700 MEV	1.9571E-03	SR 91	1.0250 MEV	6.2637E-03	TE133	0.7000 MEV	5.5891E-03	I 131	0.3640 MEV	8.6864E-03
LA142	2.4100 MEV	1.0867E-03	MO101	1.0200 MEV	4.4079E-03	I 134	0.6900 MEV	1.3596E-03	TE131	0.3430 MEV	3.0948E-03
KR 88	2.4000 MEV	4.4550E-03	CS138	1.0100 MEV	5.7286E-03	I 132	0.6678 MEV	1.1505E-02	PM150	0.3330 MEV	1.2175E-03
CS138	2.2100 MEV	4.1246E-03	I 134	1.0000 MEV	1.3283E-03	NB 97	0.6650 MEV	2.1765E-02	NB 98	0.3300 MEV	1.8828E-03
RB 89	2.2000 MEV	2.4220E-03	TE131	0.9970 MEV	1.4357E-03	BA137*	0.6616 MEV	8.6426E-03	LA140	0.3290 MEV	2.7778E-03
KR 88	2.1900 MEV	2.2275E-03	TE133	0.9700 MEV	2.3288E-03	RB 89	0.6600 MEV	2.8021E-03	TE133	0.3100 MEV	4.8905E-03
MO101	2.0800 MEV	2.8211E-03	I 132	0.9547 MEV	2.1464E-03	LA142	0.6500 MEV	3.5046E-03	TC101	0.3070 MEV	1.5675E-02
NB 98	1.9300 MEV	1.6733E-03	SR131	0.9500 MEV	4.5763E-03	SR 91	0.6450 MEV	2.9139E-03	MO101	0.3000 MEV	1.2342E-03
RB 88	1.8500 MEV	2.9792E-03	I 132	0.9340 MEV	2.8713E-03	SR131	0.6400 MEV	3.5275E-03	CE143	0.2930 MEV	3.4344E-03
I 135	1.8000 MEV	2.4350E-03	LA140	0.9240 MEV	1.3654E-03	I 132	0.6303 MEV	1.5192E-03	Y 93	0.2670 MEV	1.3143E-03
I 134	1.7900 MEV	1.3283E-03	Y 94	0.9200 MEV	8.2727E-03	TE133	0.6300 MEV	4.1919E-03	TE134	0.2620 MEV	4.6260E-03
I 134	1.7200 MEV	4.2054E-03	PM148	0.9140 MEV	1.5890E-03	I 132	0.6207 MEV	1.2361E-03	XE135	0.2400 MEV	2.1946E-02
NB 98	1.6800 MEV	2.0922E-03	TE133	0.9100 MEV	1.3274E-02	I 134	0.6100 MEV	5.0475E-03	TE132	0.2300 MEV	1.1688E-02
I 134	1.6200 MEV	1.3283E-03	RB 88	0.9100 MEV	1.8765E-03	TE131	0.6030 MEV	1.6591E-03	TE134	0.2040 MEV	5.1129E-03
LA140	1.5970 MEV	1.1700E-02	I 134	0.8900 MEV	1.8065E-02	MO101	0.5900 MEV	3.7027E-03	MO101	0.1910 MEV	4.4079E-03
MO101	1.5600 MEV	1.9395E-03	MO101	0.8900 MEV	2.6448E-03	Y 94	0.5800 MEV	1.1494E-03	KR 88	0.1910 MEV	4.4550E-03
KR 88	1.5500 MEV	1.8220E-03	RR 84	0.8800 MEV	1.4413E-03	TE133	0.5570 MEV	8.1508E-03	MO 99	0.1810 MEV	1.5043E-03
PM148	1.4650 MEV	2.4365E-03	I 133	0.8700 MEV	2.4021E-03	PM148	0.5510 MEV	2.8602E-03	TE134	0.1700 MEV	3.8956E-03
I 135	1.4600 MEV	2.6523E-03	I 135	0.8600 MEV	2.4350E-03	Y 91*	0.5510 MEV	1.1701E-02	BA139	0.1658 MEV	4.6169E-03
I 134	1.4600 MEV	2.4350E-03	I 134	0.8600 MEV	1.3283E-03	SR 91	0.5510 MEV	1.2313E-02	BA140	0.1620 MEV	1.0917E-03
NB 98	1.4400 MEV	2.0922E-03	RB 90	0.8600 MEV	1.0998E-03	CS138	0.5500 MEV	1.8331E-03	TE131	0.1500 MEV	2.8134E-02
CS138	1.4260 MEV	1.6727E-02	I 134	0.8500 MEV	2.1283E-03	TC101	0.5450 MEV	1.2612E-03	KR 85*	0.1495 MEV	5.0368E-03
SR 91	1.4200 MEV	9.1552E-03	KR 88	0.8500 MEV	2.9021E-03	I 134	0.5400 MEV	2.1253E-03	CE141	0.1454 MEV	6.0368E-03
SR 91	1.4130 MEV	1.4601E-03	RR 80	0.8300 MEV	1.0265E-02	BA140	0.5360 MEV	3.9575E-03	TC 99*	0.1405 MEV	1.7401E-02
MO101	1.3800 MEV	1.5869E-03	LA140	0.8150 MEV	5.7225E-03	KR 90	0.5360 MEV	2.2471E-03	KR 90	0.1200 MEV	3.0430E-03
SR 92	1.3760 MEV	1.0763E-02	NB 98	0.7800 MEV	2.0913E-02	I 133	0.5300 MEV	2.2584E-02	EU135	0.1053 MEV	2.0502E-03
I 133	1.3000 MEV	9.0355E-03	I 132	0.7730 MEV	9.1461E-03	MO101	0.5100 MEV	2.8211E-03	SM153	0.1050 MEV	8.1591E-03
I 135	1.2800 MEV	7.5263E-03	I 134	0.7700 MEV	1.5939E-03	RU103	0.5000 MEV	9.5261E-03	SM153	0.1032 MEV	3.4399E-03
EU154	1.2770 MEV	1.0480E-03	NB 95	0.7645 MEV	2.2492E-02	TE131	0.4930 MEV	1.9694E-03	EU153	0.0865 MEV	3.2022E-03
RB 89	1.2600 MEV	9.1705E-03	ZR 95	0.7560 MEV	1.0488E-02	LA140	0.4870 MEV	5.6240E-03	XE135	0.0810 MEV	8.8654E-03
MO101	1.1800 MEV	1.9395E-03	TE133	0.7540 MEV	1.9795E-02	TE133	0.4700 MEV	5.1234E-03	TE134	0.0800 MEV	3.1652E-03
NB 98	1.1600 MEV	4.7494E-03	PM146	0.7490 MEV	1.6103E-03	CS138	0.4626 MEV	5.2703E-03	TE132	0.0530 MEV	2.2182E-03
I 134	1.1500 MEV	2.6566E-03	SR 91	0.7480 MEV	6.0489E-03	PM146	0.4530 MEV	4.8596E-03	BA140	0.0300 MEV	1.7741E-03
TE131	1.1470 MEV	2.6438E-03	NB 97*	0.7470 MEV	1.9698E-02	TE131	0.4530 MEV	6.7522E-03			
I 135	1.1400 MEV	8.1904E-03	PM146	0.7450 MEV	2.2429E-03	TE133	0.4320 MEV	1.1644E-02			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 2.6300 MEV TO 0.0270 MEV

IRRADIATION TIME 1.000E 04 DAY 0.0 HR 0.0 MIN 0.0 SEC
COOLING TIME 0.0 DAY 1.000E 00 HR 0.0 MIN 0.0 SEC
***TOTAL GAMMA INTENSITY = 5.29329E 10 DPS ***

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
CS138	2.6300 MEV	1.5765E-03	SR 91	1.0250 MEV	9.5039E-03	ZR 95	0.7240 MEV	1.7699E-02	LA140	0.3290 MEV	4.5167E-03
KR 87	2.5700 MEV	1.8592E-03	NR 97	1.0200 MEV	1.0290E-03	NB 98	0.7200 MEV	1.1553E-02	TC101	0.3070 MEV	5.6883E-03
LA142	2.4100 MEV	1.1755E-03	CS138	1.0100 MEV	4.3792E-03	I 134	0.6900 MEV	2.2471E-03	KR 85*	0.3050 MEV	1.0255E-03
KR 88	2.4000 MEV	5.6806E-03	I 134	1.0000 MEV	1.6050E-03	I 132	0.6678 MEV	1.8687E-02	BA140	0.3040 MEV	1.5500E-03
CS138	2.2100 MEV	3.1530E-03	I 132	0.9547 MEV	3.4864E-03	NB 97	0.6650 MEV	3.4346E-02	CE143	0.2930 MEV	5.4968E-03
KR 88	2.1900 MEV	2.8403E-03	SR131	0.9500 MEV	1.5409E-03	BA137*	0.6616 MEV	1.4054E-02	Y 93	0.2670 MEV	2.0225E-03
NB 98	1.9300 MEV	1.2324E-03	Y 92	0.9340 MEV	4.4956E-03	LA142	0.6500 MEV	3.7910E-03	TE134	0.2620 MEV	2.8441E-03
RB 88	1.8500 MEV	4.1555E-03	LA140	0.9240 MEV	2.2250E-03	SR 91	0.6450 MEV	4.4212E-03	XE135	0.2500 MEV	3.5511E-02
I 135	1.8000 MEV	3.5858E-03	Y 94	0.9200 MEV	1.8514E-03	SR131	0.6400 MEV	1.1878E-03	TE132	0.2300 MEV	1.8846E-02
I 134	1.7900 MEV	1.6050E-03	PM148	0.9140 MEV	2.5703E-03	I 131	0.6370 MEV	1.1756E-03	TE134	0.2040 MEV	3.1435E-03
I 134	1.7200 MEV	6.1901E-03	TE133	0.9100 MEV	1.0046E-03	I 132	0.6303 MEV	2.4676E-03	KR 88	0.1910 MEV	5.6806E-03
NB 98	1.6800 MEV	2.1509E-03	RB 88	0.9100 MEV	2.6173E-03	I 132	0.6207 MEV	2.0078E-03	MO 99	0.1810 MEV	2.4223E-03
I 134	1.6200 MEV	1.6050E-03	I 134	0.8900 MEV	2.1829E-02	XE135	0.6100 MEV	1.0983E-03	TE134	0.1700 MEV	2.3951E-03
LA140	1.5970 MEV	1.9023E-02	I 133	0.8700 MEV	3.2491E-03	I 134	0.6100 MEV	6.0992E-03	KR 88	0.1660 MEV	1.1361E-03
KR 88	1.5500 MEV	2.2723E-03	LA140	0.8680 MEV	1.1125E-03	PM148	0.5510 MEV	4.6266E-03	BA139	0.1658 MEV	5.1625E-03
PM148	1.4650 MEV	3.9412E-03	I 135	0.8600 MEV	3.5838E-03	Y 91*	0.5510 MEV	1.8621E-02	BA140	0.1620 MEV	1.7714E-03
I 135	1.4600 MEV	3.9086E-03	I 134	0.8600 MEV	1.6050E-03	SR 91	0.5510 MEV	1.8682E-02	TE131	0.1500 MEV	8.9082E-03
I 134	1.4600 MEV	1.2840E-03	I 134	0.8500 MEV	3.2101E-02	CS138	0.5500 MEV	1.4013E-03	KR 85*	0.1495 MEV	4.8448E-03
NB 98	1.4400 MEV	1.5409E-03	KR 88	0.8500 MEV	3.7005E-03	I 134	0.5400 MEV	2.5681E-03	CE141	0.1454 MEV	9.8135E-03
CS138	1.4260 MEV	1.7878E-02	LA140	0.8150 MEV	4.1829E-03	BA140	0.5360 MEV	6.4213E-03	TC 99*	0.1405 MEV	2.8223E-02
SR 91	1.4130 MEV	2.2154E-03	MO 99	0.7800 MEV	1.5674E-03	I 133	0.5300 MEV	3.5932E-02	RU105	0.1294 MEV	1.3027E-03
Y 92	1.4000 MEV	1.5288E-03	NB 98	0.7800 MEV	1.5403E-02	RU103	0.5000 MEV	1.5480E-02	EU154	0.1229 MEV	1.4202E-03
I 132	1.3900 MEV	1.4935E-03	I 132	0.7730 MEV	1.4937E-02	LA140	0.4870 MEV	9.1446E-03	EU153	0.1053 MEV	3.3338E-03
SR 92	1.3760 MEV	2.1581E-02	I 134	0.7700 MEV	1.9261E-03	CS138	0.4626 MEV	4.0288E-03	SM153	0.1050 MEV	2.2462E-03
I 133	1.3000 MEV	1.4373E-02	NR 95	0.7645 MEV	3.7878E-02	PM146	0.4530 MEV	7.9020E-03	SM153	0.1032 MEV	5.5131E-03
I 135	1.2800 MEV	1.1077E-02	ZR 95	0.7560 MEV	1.7699E-02	TE131	0.4530 MEV	2.1380E-03	EU155	0.0865 MEV	5.2070E-03
I 132	1.2800 MEV	1.1630E-03	TE133	0.7540 MEV	1.4982E-03	BA140	0.4360 MEV	1.1071E-03	XE135	0.0810 MEV	1.4415E-02
EU154	1.2770 MEV	1.7042E-03	LA140	0.7520 MEV	1.1125E-03	I 135	0.4200 MEV	2.2480E-03	TE134	0.0800 MEV	1.9460E-03
RB 89	1.2600 MEV	4.2632E-03	PM146	0.7490 MEV	4.2549E-03	KR 87	0.4050 MEV	7.8427E-03	SM153	0.0697 MEV	1.0470E-03
NB 98	1.1600 MEV	4.6212E-03	SR 91	0.7480 MEV	9.1779E-03	I 134	0.3900 MEV	2.2471E-03	CE143	0.0570 MEV	1.3088E-03
I 134	1.1500 MEV	3.2101E-03	NB 97*	0.7470 MEV	3.1243E-02	GO159	0.3640 MEV	1.5279E-03	TE132	0.0530 MEV	3.5768E-03
I 135	1.1400 MEV	1.2054E-02	PM146	0.7450 MEV	3.6471E-03	I 131	0.3640 MEV	1.4172E-02	BA140	0.0300 MEV	2.8785E-03
I 134	1.0700 MEV	4.8151E-03	MO 99	0.7400 MEV	4.2747E-03	PM151	0.3399 MEV	1.2890E-03	TE129	0.0270 MEV	1.0013E-03
RB 89	1.0500 MEV	4.7544E-03	I 132	0.7280 MEV	1.1630E-03	PM150	0.3330 MEV	1.5385E-03			
I 135	1.0400 MEV	2.9322E-03	RU105	0.7250 MEV	2.0442E-03	NB 98	0.3300 MEV	1.3867E-03			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 3.1300 MEV TO 0.0270 MEV

***IRRADIATION TIME** 1.000E 04 DAY 0.0

HR 0.0

MIN 0.0

SEC

***COOLING TIME ** 1.000E 00 DAY 0.0

HR 0.0

MIN 0.0

SEC

***TOTAL GAMMA INTENSITY = 2.35011E 10 DPS ***

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	1.4877E-03	LA140	0.8680 MEV	2.4796E-03	I 132	0.6303 MEV	4.6337E-03	RH105	0.3193 MEV	1.6137E-03
LA140	2.5300 MEV	1.9837E-03	LA140	0.8150 MEV	9.3232E-03	I 132	0.6207 MEV	3.7705E-03	BA140	0.3040 MEV	3.3145E-03
I 135	1.7200 MEV	1.2910E-03	MO 99	0.7800 MEV	2.7828E-03	RU103	0.6100 MEV	1.9465E-03	CE143	0.2930 MEV	7.6394E-03
LA140	1.5970 MEV	4.2401E-02	RR 82	0.7800 MEV	1.3152E-03	BR 82	0.5540 MEV	1.0904E-03	I 131	0.2840 MEV	1.9439E-03
PM148	1.4650 MEV	7.8494E-03	I 132	0.7730 MEV	2.8050E-02	PM148	0.5510 MEV	9.2145E-03	XE135	0.2500 MEV	3.0197E-02
EU152	1.4080 MEV	1.5632E-03	NB 95	0.7645 MEV	8.4148E-02	Y 91*	0.5510 MEV	8.4126E-03	TE132	0.2300 MEV	3.4601E-02
I 132	1.3900 MEV	2.8045E-03	ZR 95	0.7560 MEV	3.9460E-02	SR 91	0.5510 MEV	8.0922E-03	MO 99	0.1810 MEV	4.3006E-03
I 133	1.3000 MEV	1.5159E-02	LA140	0.7520 MEV	2.4796E-03	BA140	0.5360 MEV	1.3732E-02	BA140	0.1620 MEV	3.7880E-03
I 135	1.2800 MEV	2.3102E-03	PM146	0.7490 MEV	9.5792E-03	I 133	0.5300 MEV	3.7898E-02	CE141	0.1454 MEV	2.1727E-02
I 132	1.2800 MEV	2.1839E-03	SR 91	0.7480 MEV	3.9755E-03	RH106	0.5120 MEV	1.0303E-03	TC 99*	0.1405 MEV	5.0502E-02
EU154	1.2770 MEV	3.8380E-03	NB 97*	0.7470 MEV	2.7349E-02	I 132	0.5080 MEV	1.2459E-03	CE144	0.1335 MEV	1.5473E-03
I 135	1.1400 MEV	2.5141E-03	PM146	0.7450 MEV	8.2108E-03	RU103	0.5000 MEV	3.4286E-02	EU154	0.1229 MEV	3.1983E-03
I 132	1.1400 MEV	1.2459E-03	MO 99	0.7400 MEV	7.5894E-03	LA140	0.4870 MEV	2.0382E-02	EU155	0.1053 MEV	7.5013E-03
SR 91	1.0250 MEV	4.1167E-03	I 132	0.7280 MEV	2.1839E-03	TE129	0.4550 MEV	1.2756E-03	SM153	0.1032 MEV	8.8455E-03
EU154	1.0070 MEV	1.5535E-03	EU154	0.7250 MEV	1.9190E-03	PM146	0.4530 MEV	1.7790E-02	EU154	0.0865 MEV	1.1716E-02
EU154	0.9980 MEV	1.2793E-03	ZR 95	0.7240 MEV	3.9460E-02	LA140	0.4360 MEV	1.1902E-03	XE133	0.0810 MEV	3.1240E-02
EU152	0.9650 MEV	1.0659E-03	CE143	0.6680 MEV	1.0186E-03	LA140	0.4360 MEV	2.3675E-03	SM153	0.0697 MEV	1.6798E-03
I 132	0.9567 MEV	6.5470E-03	I 132	0.6678 MEV	3.5091E-02	GD159	0.3640 MEV	1.4218E-03	CE143	0.0570 MEV	1.8181E-03
LA140	0.9240 MEV	4.9992E-03	NR 97	0.6650 MEV	3.0721E-02	I 131	0.3640 MEV	2.9441E-02	TE132	0.0330 MEV	6.5669E-03
PM148	0.9140 MEV	5.1192E-03	BA137*	0.6616 MEV	3.1652E-02	EU152	0.3442 MEV	1.9185E-03	BA140	0.0300 MEV	6.1356E-03
EU154	0.8750 MEV	1.1880E-03	SR 91	0.6430 MEV	1.9151E-03	PM151	0.3399 MEV	1.6432E-03	TE129	0.0270 MEV	1.5947E-03
I 133	0.8700 MEV	3.4249E-03	I 131	0.6370 MEV	2.4422E-03	LA140	0.3290 MEV	1.0067E-02			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 3.1300 MEV TO 0.0300 MEV

***IRRADIATION TIME** 1.000E 04 DAY 0.0

HR 0.0

MIN 0.0

SEC

***COOLING TIME ** 7.000E 00 DAY 0.0

HR 0.0

MIN 0.0

SEC

***TOTAL GAMMA INTENSITY = 1.25020E 10 DPS ***

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	2.1971E-03	LA140	0.8150 MEV	1.3769E-02	I 132	0.6207 MEV	1.9713E-03	MO 99	0.1810 MEV	1.8224E-03
LA140	2.5300 MEV	2.9295E-03	MO 99	0.7800 MEV	1.1792E-03	RU103	0.6100 MEV	3.2943E-03	BA140	0.1620 MEV	5.1454E-03
LA140	1.5970 MEV	6.2618E-02	EU152	0.7790 MEV	1.8682E-03	PM148	0.5510 MEV	8.0185E-03	CE141	0.1454 MEV	3.6007E-02
PM148	1.4650 MEV	6.8306E-03	I 132	0.7730 MEV	1.4665E-02	RU103	0.5500 MEV	1.3190E-03	TC 99*	0.1405 MEV	2.1400E-02
EU152	1.4080 MEV	2.9357E-03	NR 95	0.7645 MEV	1.5490E-01	BA140	0.5360 MEV	1.8652E-02	CE144	0.1335 MEV	2.8663E-03
I 132	1.3900 MEV	1.4663E-03	ZR 95	0.7560 MEV	6.9578E-02	RH106	0.5120 MEV	1.9150E-03	BA140	0.1320 MEV	1.0934E-03
I 133	1.2800 MEV	1.1418E-03	LA140	0.7520 MEV	3.6619E-03	RU103	0.5000 MEV	5.8024E-02	EU154	0.1229 MEV	6.0079E-03
EU154	1.2770 MEV	7.2095E-03	PM146	0.7490 MEV	1.7956E-02	LA140	0.4870 MEV	3.0101E-02	EU155	0.1053 MEV	1.4012E-02
EU152	1.1130 MEV	1.8682E-03	PM146	0.7450 MEV	1.5391E-02	PM146	0.4530 MEV	3.3346E-02	SM153	0.1032 MEV	1.9885E-03
EU152	1.0870 MEV	1.6013E-03	MO 99	0.7400 MEV	3.2160E-03	LA140	0.4360 MEV	1.7577E-03	XE133	0.0865 MEV	2.1886E-02
EU154	1.0070 MEV	2.9181E-03	I 132	0.7280 MEV	1.1418E-03	BA140	0.4360 MEV	3.2158E-03	EU155	0.0810 MEV	2.9155E-02
EU154	0.9980 MEV	2.4032E-03	EU154	0.7250 MEV	3.6047E-03	I 131	0.3640 MEV	3.3014E-02	CE143	0.0570 MEV	1.0225E-03
EU152	0.9650 MEV	2.0016E-03	ZR 95	0.7240 MEV	6.9578E-02	EU152	0.3442 MEV	3.6029E-03	I 131	0.0400 MEV	1.0225E-03
I 132	0.9567 MEV	3.4230E-03	I 132	0.6678 MEV	1.8347E-02	LA140	0.3290 MEV	1.4867E-02	TE132	0.0330 MEV	3.4334E-03
LA140	0.9240 MEV	7.3237E-03	BA137*	0.6616 MEV	5.9477E-02	LA140	0.3040 MEV	4.5022E-03	BA140	0.0300 MEV	8.3612E-03
PM148	0.9140 MEV	4.4547E-03	I 131	0.6370 MEV	2.7386E-03	I 131	0.2840 MEV	2.1798E-03			
EU154	0.8750 MEV	2.2315E-03	PM146	0.6350 MEV	1.5391E-03	EU152	0.2447 MEV	1.0675E-03			
LA140	0.8680 MEV	3.6619E-03	I 132	0.6303 MEV	2.4227E-03	TE132	0.2300 MEV	1.8090E-02			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 3.1300 MEV TO 0.0265 MEV

***IRRADIATION TIME** 1.000E 04 DAY 0.0

HR 0.0

MIN 0.0

SEC

***COOLING TIME ** 3.000E 01 DAY 0.0

HR 0.0

MIN 0.0

SEC

***TOTAL GAMMA INTENSITY = 7.50346E 09 DPS ***

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	1.0646E-03	EU152	0.7790 MEV	3.1013E-03	EU154	0.5930 MEV	1.1409E-03	CE141	0.1454 MEV	3.7008E-02
LA140	2.5300 MEV	1.4195E-03	NB 95	0.7645 MEV	2.4198E-01	RU103	0.5500 MEV	1.4694E-03	CE144	0.1335 MEV	4.5151E-03
LA140	1.5970 MEV	3.0342E-02	ZR 95	0.7560 MEV	9.0714E-02	BA140	0.5360 MEV	8.9439E-03	EU154	0.1229 MEV	9.9828E-03
EU152	1.4080 MEV	4.8735E-03	LA140	0.7520 MEV	1.7744E-03	RH106	0.5120 MEV	3.0551E-03	EU155	0.1053 MEV	2.2790E-02
EU154	1.2770 MEV	1.1979E-02	PM146	0.7490 MEV	2.9592E-02	RU103	0.5000 MEV	4.4638E-02	EU155	0.0865 MEV	3.5596E-02
EU152	1.1130 MEV	3.1013E-03	PM146	0.7450 MEV	2.5365E-02	LA140	0.4870 MEV	1.4585E-02	XE133	0.0810 MEV	2.3624E-03
EU152	1.0870 MEV	2.6583E-03	EU154	0.7250 MEV	3.9897E-03	PM146	0.4530 MEV	5.4957E-02	CE144	0.0801 MEV	1.4914E-03
EU154	1.0070 MEV	4.8488E-03	ZR 95	0.7240 MEV	9.0714E-02	BA140	0.4360 MEV	1.5421E-03	EU155	0.0600 MEV	1.4179E-03
EU154	0.9980 MEV	3.9931E-03	EU154	0.7250 MEV	1.1409E-03	I 131	0.3640 MEV	7.5914E-03	BA140	0.0300 MEV	4.0093E-03
EU152	0.9650 MEV	3.3229E-03	PR144	0.6970 MEV	1.0216E-03	EU152	0.3442 MEV	5.9812E-03	EU155	0.0265 MEV	1.4179E-03
LA140	0.9240 MEV	3.5487E-03	BA137*	0.6616 MEV	9.8933E-02	LA140	0.3290 MEV	7.2039E-03			
EU154	0.8750 MEV	3.7079E-03	PM146	0.6350 MEV	2.5365E-03	BA140	0.3040 MEV	2.1589E-03			
LA140	0.8680 MEV	1.7744E-03	RH106	0.6200 MEV	1.3435E-03	EU152	0.2447 MEV	1.7722E-03			
LA140	0.8150 MEV	6.6716E-03	RU103	0.6100 MEV	3.6698E-03	BA140	0.1620 MEV	2.4673E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.6000 MEV TO 0.0265 MEV

IRRADIATION TIME 1.000E 04 DAY 0.0

HR 0.0

MIN 0.0

SEC

**COOLING TIME ** 3.650E 02 DAY 0.0

HR 0.0

MIN 0.0

SEC

**TOTAL GAMMA INTENSITY = 2.47522E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
FU154	1.6000 MEV	2.4928E-03	EU142	0.7790 MEV	8.9161E-03	BA137*	0.6616 MEV	2.9368E-01	FU154	0.1229 MEV	2.9083E-02
FU152	1.4080 MEV	1.4011E-02	NR 95	0.7645 MEV	3.3590E-02	PM146	0.6350 MEV	6.5585E-03	FU155	0.1053 MEV	4.8614E-02
FU152	1.2980 MEV	1.0827E-03	EU164	0.7590 MEV	2.4928E-03	RH106	0.6200 MEV	2.1632E-03	FU155	0.0865 MEV	7.5929E-02
FU154	1.2770 MEV	3.4899E-02	ZR 95	0.7560 MEV	7.7252E-03	EU154	0.5930 MEV	3.3237E-03	CE144	0.0801 MEV	1.9960E-03
FU152	1.1130 MEV	8.9161E-03	PM146	0.7490 MEV	7.6516E-02	RH106	0.5120 MEV	4.9191E-03	FU155	0.0600 MEV	3.0246E-03
FU152	1.0870 MEV	7.6424E-03	PM146	0.7450 MEV	6.5585E-02	PM146	0.4530 MEV	1.4210E-01	FU155	0.0453 MEV	1.7328E-03
FU154	1.0070 MEV	1.4126E-02	FU154	0.7250 MEV	1.7450E-02	FU152	0.4442 MEV	2.3182E-03	FU155	0.0265 MEV	3.0246E-03
FU154	0.9980 MEV	1.1633E-02	ZR 95	0.7240 MEV	7.7252E-03	EU152	0.4112 MEV	1.4011E-03			
FU152	0.9650 MEV	9.5530E-03	FU144	0.7060 MEV	3.3237E-03	EU152	0.3442 MEV	1.7195E-02			
FU154	0.8750 MEV	1.0802E-02	PR144	0.6970 MEV	1.3672E-03	EU152	0.2447 MEV	5.0949E-03			
FU152	0.8690 MEV	2.6111E-03	FU144	0.6940 MEV	2.4928E-03	CE144	0.1335 MEV	6.0427E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.6000 MEV TO 0.0865 MEV

IRRADIATION TIME 1.000E 04 DAY 0.0

HR 0.0

MIN 0.0

SEC

**COOLING TIME ** 3.650E 03 DAY 0.0

HR 0.0

MIN 0.0

SEC

**TOTAL GAMMA INTENSITY = 1.09379E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
FU154	1.6000 MEV	3.8198E-03	EU144	0.9980 MEV	1.7426E-02	EU154	0.7250 MEV	2.6739E-02	FU152	0.4112 MEV	1.8853E-03
FU152	1.4080 MEV	1.8853E-02	EU142	0.9650 MEV	1.2154E-02	EU154	0.7060 MEV	5.0931E-03	FU152	0.3442 MEV	2.3138E-02
FU152	1.2980 MEV	1.4564E-03	FU144	0.8750 MEV	1.6553E-02	EU154	0.6940 MEV	3.8198E-03	FU152	0.2447 MEV	6.8356E-03
FU154	1.2770 MEV	5.3477E-02	FU142	0.8690 MEV	3.5135E-03	BA137*	0.6616 MEV	3.3981E-01	FU154	0.1229 MEV	4.4564E-02
FU152	1.2130 MEV	1.1140E-03	FU142	0.7790 MEV	1.1897E-02	PM146	0.6350 MEV	3.1201E-03	FU155	0.1053 MEV	3.5047E-03
FU152	1.1130 MEV	1.1997E-02	EU144	0.7590 MEV	3.8198E-03	EU154	0.5930 MEV	5.0931E-03	FU155	0.0865 MEV	5.4740E-03
FU152	1.0870 MEV	1.0283E-02	PM146	0.7490 MEV	3.6401E-02	PM146	0.4530 MEV	6.7602E-02			
FU154	1.0070 MEV	2.1646E-02	PM146	0.7450 MEV	3.1201E-02	EU152	0.4442 MEV	3.1193E-03			

Table 3.1. Relative intensities of γ rays of FP for ^{235}U fissions
by the irradiation of thermal neutrons for 1 minute.

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 5.2000 MEV TO 0.1050 MEV

IRRADIATION TIME 0.0 DAY 0.0 HR 1.000F 00 MIN 0.0 SEC
**COOLING TIME ** 0.0 DAY 0.0 HR 1.000F 01 MIN 0.0 SEC
**TOTAL GAMMA INTENSITY = 4.62389E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
RB 90	5.2000 MEV	1.8982E-03	KR 90	1.7000 MEV	1.0556E-02	RB 90	0.8300 MEV	2.6574E-02	TE133	0.4320 MEV	6.4749E-03
RB 90	4.6000 MEV	2.3727E-03	KR 90	1.6300 MEV	8.4446E-03	RB 90	0.7800 MEV	1.9470E-03	KR 87	0.4050 MEV	1.4076E-03
RB 90	4.3700 MEV	1.8982E-03	KR 90	1.5400 MEV	3.5890E-02	KR 90	0.7700 MEV	6.3335E-03	KR 90	0.4000 MEV	6.3335E-03
RB 90	4.3400 MEV	6.1690E-03	SR 94	1.4200 MEV	1.2128E-01	TE133	0.7540 MEV	1.1007E-02	TE131	0.3840 MEV	1.6680E-03
RB 90	4.1300 MEV	5.2199E-03	RB 90	1.4000 MEV	2.3727E-03	RB 90	0.7200 MEV	1.4603E-03	TE131	0.3430 MEV	1.6680E-03
KR 90	3.6000 MEV	2.1112E-03	KR 90	1.4000 MEV	1.0556E-02	RB 90	0.7200 MEV	1.8982E-03	TE133	0.3100 MEV	2.7195E-03
RB 90	3.5400 MEV	2.3727E-03	SR 92	1.3700 MEV	1.2645E-03	KR 90	0.7200 MEV	8.4446E-03	KR 90	0.3100 MEV	6.3335E-03
RB 90	3.3400 MEV	7.1181E-03	KR 90	1.3400 MEV	8.4446E-03	TE133	0.7000 MEV	3.1080E-03	PR148	0.3000 MEV	2.3432E-03
KR 90	3.1700 MEV	2.1112E-03	RA 89	1.2600 MEV	1.1500E-03	KR 90	0.6700 MEV	8.4446E-03	KR 90	0.2700 MEV	6.3335E-03
KR 90	3.0700 MEV	2.3727E-03	KR 90	1.2300 MEV	6.3335E-03	AS 80	0.6600 MEV	1.8891E-03	TE134	0.2620 MEV	1.4322E-03
KR 90	2.9400 MEV	6.3335E-03	TE131	1.1470 MEV	1.4250E-03	SB131	0.6400 MEV	1.0565E-03	KR 90	0.2360 MEV	3.3779E-02
KR 90	2.7000 MEV	4.2223E-03	RB 90	1.1100 MEV	3.3918E-03	KR 90	0.6400 MEV	1.4778E-02	TE134	0.2040 MEV	1.5829E-03
KR 90	2.5800 MEV	4.2223E-03	RB 89	1.0500 MEV	1.5972E-03	TE133	0.6300 MEV	2.3310E-03	MO101	0.1910 MEV	1.5316E-03
KR 90	2.4800 MEV	8.4446E-03	RA 90	1.0300 MEV	2.3727E-03	TE133	0.5900 MEV	1.2866E-03	TE134	0.1700 MEV	1.2060E-03
KR 90	2.4000 MEV	2.1112E-03	MO101	1.0200 MEV	1.5316E-03	TE133	0.5570 MEV	4.5324E-03	KR 90	0.1700 MEV	1.0556E-02
KR 90	2.2900 MEV	2.1112E-03	TF133	0.9700 MEV	1.2950E-03	KR 90	0.5300 MEV	1.0134E-01	TE131	0.1500 MEV	1.5164E-02
KR 90	2.1200 MEV	4.2223E-03	KR 90	0.9700 MEV	8.4446E-03	RB 90	0.5300 MEV	1.8982E-03	KR 90	0.1200 MEV	1.3723E-01
KR 90	2.0300 MEV	2.1112E-03	SB131	0.9500 MEV	1.3705E-03	KR 90	0.4920 MEV	2.5334E-02	SM155	0.1050 MEV	4.6422E-03
KR 90	1.9400 MEV	4.2223E-03	Y 84	0.9200 MEV	1.8982E-03	TE131	0.4930 MEV	1.0615E-03	KR 90	0.1050 MEV	3.1667E-02
KR 90	1.8200 MEV	1.4236E-03	TE133	0.9100 MEV	7.3814E-03	TE133	0.4700 MEV	2.8490E-03			
KR 90	1.7900 MEV	2.3223E-02	KR 90	0.8900 MEV	4.2223E-03	TE131	0.4520 MEV	1.9249E-03			
RB 90	1.7000 MEV	1.4236E-03	RB 90	0.8600 MEV	2.8472E-03	KR 90	0.4530 MEV	3.6394E-03			
							0.4400 MEV	8.4446E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 5.2000 MEV TO 0.0800 MEV

IRRADIATION TIME 0.0 DAY 0.0 HR 1.000F 00 MIN 0.0 SEC
 **COOLING TIME ** 0.0 DAY 0.0 HR 2.000F-01 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 4.26970E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
RB 90	5.2000 MEV	2.2100F-03	RB 90	1.8200 MEV	1.6575E-03	MO101	0.8900 MEV	1.0948E-03	TE131	0.4530 MEV	3.9292E-03
RB 90	5.1000 MEV	1.1050F-03	KR 90	1.7900 MEV	2.2171E-02	KR 90	0.8900 MEV	4.0311E-03	KR 90	0.4400 MEV	8.0623E-03
RB 90	4.6000 MEV	2.7624E-03	RB 90	1.7000 MEV	1.6575E-03	RB 90	0.8630 MEV	3.3149E-02	TE133	0.4320 MEV	7.0743E-03
RB 90	4.3700 MEV	2.2100E-03	KR 90	1.7000 MEV	1.0078E-02	RB 90	0.8300 MEV	3.0939E-02	KR 87	0.4050 MEV	1.5230E-03
RB 90	4.3400 MEV	7.1823F-03	KR 90	1.6300 MEV	8.0623E-03	NB 98	0.8000 MEV	2.3491E-03	KR 90	0.4000 MEV	6.0467E-03
RB 90	4.1300 MEV	6.0774E-03	KR 90	1.5400 MEV	3.4265E-02	KR 90	0.7700 MEV	6.0467E-03	TE131	0.3840 MEV	1.8009E-03
KR 90	3.6000 MEV	2.0156F-03	SR 94	1.4200 MEV	1.2551E-01	TE133	0.7540 MEV	1.2026E-02	TE131	0.3430 MEV	1.8009E-03
RB 90	3.5400 MEV	2.7624E-03	KR 90	1.4000 MEV	2.7624E-03	NB 98	0.7200 MEV	1.7619E-03	TE133	0.3100 MEV	2.9712E-03
RB 90	3.3400 MEV	8.2873F-03	KR 90	1.4000 MEV	1.0078E-02	RB 90	0.7200 MEV	2.2100E-03	KR 90	0.3100 MEV	6.0467E-03
KR 90	3.1700 MEV	2.0156F-03	SR 92	1.3700 MEV	1.4205E-03	KR 90	0.7200 MEV	8.0623E-03	PR148	0.3000 MEV	2.4512E-03
KR 90	3.0800 MEV	4.0311F-03	KR 90	1.3400 MEV	8.0623E-03	TE133	0.7000 MEV	3.3957F-03	KR 90	0.2700 MEV	6.0467E-03
RB 90	3.0700 MEV	2.7624E-03	RB 89	1.2600 MEV	1.3917E-03	KR 90	0.6700 MEV	8.0623E-03	TE134	0.2620 MEV	1.5484E-03
KR 90	2.9400 MEV	6.0467E-03	RB 90	1.2400 MEV	1.1050E-03	AS 80	0.6660 MEV	1.5589E-03	KR 90	0.2360 MEV	3.2249E-02
RB 90	2.8400 MEV	1.1050F-03	KR 90	1.2300 MEV	6.0467E-03	SB131	0.6400 MEV	1.1579E-03	TE134	0.2040 MEV	1.7114E-03
KR 90	2.7000 MEV	4.0311F-03	TE131	1.1470 MEV	1.5385E-03	KR 90	0.6400 MEV	1.4109E-02	MO101	0.1910 MEV	1.8247E-03
KR 90	2.5800 MEV	4.0311F-03	KR 90	1.1100 MEV	3.8674E-03	TE133	0.6300 MEV	2.5467E-03	TE134	0.1700 MEV	1.3039E-03
RB 90	2.5100 MEV	1.1050F-03	KR 90	1.1100 MEV	9.6747E-02	MO101	0.5900 MEV	1.5328E-03	KR 90	0.1700 MEV	1.0078E-02
KR 90	2.4800 MEV	8.0623E-03	RB 89	1.0500 MEV	1.9330E-03	TE133	0.5570 MEV	4.9520E-03	TE131	0.1500 MEV	1.6372E-02
KR 90	2.4000 MEV	2.0156F-03	RB 90	1.0300 MEV	2.7624E-03	KR 90	0.5360 MEV	9.6747E-02	KR 90	0.1200 MEV	1.3101E-01
KR 90	2.2900 MEV	2.0156F-03	MO101	1.0200 MEV	1.8247E-03	RB 90	0.5300 MEV	2.2100E-03	SM155	0.1050 MEV	5.0122E-03
RB 90	2.2000 MEV	1.1050F-03	TE133	0.9700 MEV	1.4149E-03	MO101	0.5100 MEV	1.1678E-03	KR 90	0.1050 MEV	3.0233E-02
KR 90	2.1200 MEV	4.0311F-03	KR 90	0.9700 MEV	8.0623E-03	KR 90	0.4950 MEV	2.4187E-02	TE134	0.0800 MEV	1.0595E-03
MO101	2.0800 MEV	1.1678E-03	SB131	0.9500 MEV	2.5249E-03	TE131	0.4930 MEV	1.1460E-03			
KR 90	2.0300 MEV	2.0156F-03	Y 94	0.9200 MEV	2.2349E-03	TE133	0.4700 MEV	3.1127E-03			
KR 90	1.9400 MEV	4.0311F-03	TE133	0.9100 MEV	8.0647E-03	XE137	0.4550 MEV	2.0478E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 5.2000 MEV TO 0.0800 MEV

IRRADIATION TIME 0.0 DAY 0.0 HR 1.000E 00 MIN 0.0 SEC
 **COOLING TIME ** 0.0 DAY 0.0 HR 5.000E-01 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 3.41610E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
RB 90	5.2000 MEV	3.1503F-03	RB 90	1.7000 MEV	2.3627E-03	Y 94	0.9200 MEV	3.4014E-03	TE133	0.4700 MEV	3.9866E-03
RB 90	5.1000 MEV	1.5752F-03	KR 90	1.7000 MEV	8.6304F-03	TE133	0.9100 MEV	1.0329F-02	XE137	0.4550 MEV	2.4266E-03
RB 90	4.6000 MEV	3.9379F-03	KR 90	1.6300 MEV	6.9043E-03	MO101	0.8900 MEV	1.6884E-03	TE131	0.4530 MEV	4.8661E-03
RB 90	4.3700 MEV	3.1503E-03	MO101	1.5600 MEV	1.2382E-03	KR 90	0.8900 MEV	3.4522E-03	KR 90	0.4400 MEV	6.9043E-03
RB 90	4.3400 MEV	1.0239F-02	KR 90	1.5400 MEV	2.9343E-02	RB 90	0.8630 MEV	4.7255E-03	TE133	0.4320 MEV	9.0605E-03
RB 90	4.1300 MEV	8.6634F-03	CS138	1.4260 MEV	1.0192E-03	I 134	0.8300 MEV	1.1289E-03	KR 87	0.4050 MEV	1.8984E-03
KR 90	3.6000 MEV	1.7261F-03	SR 94	1.4200 MEV	1.3403E-01	RB 90	0.8000 MEV	4.4105E-02	KR 90	0.4000 MEV	5.1782E-03
RB 90	3.5400 MEV	3.9379E-03	RB 90	1.4000 MEV	3.9379E-03	NB 98	0.7800 MEV	3.7188E-03	TE133	0.3900 MEV	1.0873E-03
RB 90	3.3400 MEV	1.1814F-02	KR 90	1.4000 MEV	8.6304E-03	KR 90	0.7700 MEV	5.1782E-03	TE131	0.3840 MEV	2.2303E-03
KR 90	3.1700 MEV	1.7261F-03	MO101	1.3800 MEV	1.0131E-03	TE133	0.7540 MEV	1.5403E-02	TE131	0.3430 MEV	2.2303E-03
KR 90	3.0800 MEV	3.4522E-03	SR 92	1.3700 MEV	1.8272E-03	NB 98	0.7200 MEV	2.7893E-03	TE133	0.3100 MEV	3.8054E-03
RB 90	3.0700 MEV	3.9379E-03	KR 90	1.3400 MEV	6.9043E-03	RB 90	0.7200 MEV	3.1503E-03	KR 90	0.3100 MEV	5.1782E-03
KR 90	2.9400 MEV	5.1782F-03	RB 89	1.2600 MEV	2.2593E-03	KR 90	0.7200 MEV	6.9043E-03	PR148	0.3000 MEV	2.7611E-03
RB 90	2.8400 MEV	1.5752E-03	RB 90	1.2400 MEV	1.5752E-03	MO101	0.7040 MEV	1.2382E-03	KR 90	0.2700 MEV	5.1782E-03
KR 90	2.7000 MEV	3.4522E-03	KR 90	1.2300 MEV	5.1782E-03	TE133	0.7000 MEV	4.3491E-03	TE134	0.2620 MEV	1.9258E-03
KR 90	2.5800 MEV	3.4522E-03	MO101	1.1800 MEV	1.2382E-03	KR 90	0.6700 MEV	6.9043E-03	KR 90	0.2360 MEV	3.2249E-02
RB 90	2.5100 MEV	1.5752F-03	NB 98	1.1600 MEV	1.1157E-03	SB131	0.6400 MEV	1.4962E-03	TE134	0.2040 MEV	2.1285E-03
KR 90	2.4800 MEV	6.9043E-03	TE131	1.1470 MEV	1.9053E-03	KR 90	0.6400 MEV	1.2083E-02	MO101	0.1910 MEV	1.8247E-03
KR 90	2.4000 MEV	1.7261F-03	KR 90	1.1100 MEV	5.5131E-03	TE133	0.6300 MEV	3.2618E-03	TE134	0.1700 MEV	1.6217E-03
KR 90	2.2900 MEV	1.7261F-03	KR 90	1.1100 MEV	8.2852E-02	TE131	0.6030 MEV	1.1956E-03	KR 90	0.1700 MEV	8.6304E-03
RB 90	2.2000 MEV	1.5752E-03	RB 89	1.0500 MEV	3.1579E-03	TE133	0.5900 MEV	2.3638E-03	TE131	0.1500 MEV	2.0275E-02
KR 90	2.1200 MEV	3.4522E-03	RB 90	1.0300 MEV	3.9379E-03	TE133	0.5570 MEV	6.3424E-03	KR 90	0.1200 MEV	1.1220E-01
MO101	2.0800 MEV	1.8010F-03	MO101	1.0200 MEV	2.8140E-03	RB 90	0.5360 MEV	9.2852E-02	SM155	0.1050 MEV	6.2083E-03
KR 90	2.0300 MEV	1.7261F-03	TE131	0.9970 MEV	1.0346E-03	KR 90	0.5300 MEV	3.1503E-03	KR 90	0.1050 MEV	2.5891E-02
KR 90	1.9400 MEV	3.4522E-03	TE133	0.9700 MEV	1.8121E-03	MO101	0.5100 MEV	1.8010E-03	TE134	0.0800 MEV	1.3176E-03
RB 90	1.8200 MEV	2.3627E-03	KR 90	0.9700 MEV	6.9043E-03	KR 90	0.4950 MEV	2.0713E-02			
KR 90	1.7900 MEV	1.8987F-02	SB131	0.9500 MEV	1.9411E-03	TE131	0.4930 MEV	1.4193E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 5.2000 MEV TO 0.0800 MEV

IRRADIATION TIME 0.0 DAY 0.0 HR 1.000E 00 MIN 0.0 SEC
 **COOLING TIME ** 0.0 DAY 0.0 HR 1.000E 00 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 2.50653E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
RB 90	5.2000 MEV	4.5913E-03	KR 90	1.7900 MEV	1.3780E-02	Y 94	0.9240 MEV	5.7239E-03	TE131	0.4930 MEV	1.9051E-03
RB 90	5.1000 MEV	2.2957E-03	RB 90	1.7000 MEV	3.4435E-03	TE133	0.9100 MEV	1.4571E-02	TE133	0.4700 MEV	5.6238E-03
RB 90	4.6000 MEV	5.7392E-03	KR 90	1.7000 MEV	6.2635E-03	I 134	0.8900 MEV	1.0975E-03	XE137	0.4550 MEV	3.0260E-03
RB 90	4.3700 MEV	4.5913E-03	KR 90	1.6300 MEV	5.0108E-03	MO101	0.8900 MEV	2.8302E-03	TE131	0.4530 MEV	6.5318E-03
RB 90	4.3400 MEV	1.4922E-02	MO101	1.5600 MEV	2.0755E-03	KR 90	0.8900 MEV	2.5054E-03	KR 90	0.4400 MEV	5.0108E-03
RB 90	4.1300 MEV	1.2626E-02	KR 90	1.5400 MEV	2.1996E-02	RB 90	0.8600 MEV	6.8870E-03	TE133	0.4320 MEV	1.2781E-02
KR 90	3.6000 MEV	1.2527E-03	CS138	1.4260 MEV	1.5945E-03	I 134	0.8500 MEV	1.6140E-03	KR 87	0.4050 MEV	2.5755E-03
RB 90	3.5400 MEV	5.7392E-03	SR 94	1.4200 MEV	1.3992E-01	RB 90	0.8300 MEV	6.4279E-02	KR 90	0.4000 MEV	3.7581E-03
RB 90	3.3400 MEV	1.7218E-02	RB 90	1.4000 MEV	5.7192E-03	NB 98	0.7800 MEV	6.4043E-03	TE133	0.3600 MEV	1.5338E-03
KR 90	3.1700 MEV	1.2527E-03	KR 90	1.4000 MEV	6.2635E-03	KR 90	0.7700 MEV	3.7581E-03	TE131	0.3840 MEV	2.9937E-03
KR 90	3.0800 MEV	2.5054E-03	MO101	1.3800 MEV	1.6981E-03	TE133	0.7540 MEV	2.1729E-02	TE131	0.3430 MEV	2.9937E-03
RB 90	3.0700 MEV	5.7392E-03	SR 92	1.3700 MEV	2.4930E-03	NB 98	0.7200 MEV	4.8036E-03	TE133	0.3100 MEV	5.3682E-03
RB 90	2.9400 MEV	3.7581E-03	KR 90	1.3400 MEV	5.0108E-03	RB 90	0.7200 MEV	4.5913E-03	KR 90	0.3100 MEV	3.7581E-03
RB 90	2.8400 MEV	2.2957E-03	RB 89	1.2600 MEV	4.1371E-03	KR 90	0.7200 MEV	5.0108E-03	PR148	0.3000 MEV	3.1644E-03
RB 90	2.7200 MEV	1.1478E-03	RB 90	1.2400 MEV	2.2957E-03	MO101	0.7040 MEV	2.0755E-03	MO101	0.3000 MEV	1.3208E-03
KR 90	2.7000 MEV	2.5054E-03	KR 90	1.2300 MEV	3.7581E-03	TE133	0.7000 MEV	6.1351E-03	KR 90	0.2700 MEV	3.7581E-03
KR 90	2.5800 MEV	2.5054E-03	MO101	1.1800 MEV	2.0755E-03	KR 90	0.6700 MEV	5.0108E-03	TE134	0.2620 MEV	2.6030E-03
RB 90	2.5100 MEV	2.2957E-03	NB 98	1.1600 MEV	1.9214E-03	RB 89	0.6600 MEV	1.2694E-03	KR 90	0.2360 MEV	2.0043E-02
KR 90	2.4800 MEV	5.0108E-03	TE131	1.1470 MEV	2.5575E-03	SB131	0.6400 MEV	2.1384E-03	TE134	0.2040 MEV	2.8771E-03
KR 90	2.4000 MEV	1.2527E-03	RB 90	1.1100 MEV	8.0348E-03	KR 90	0.6400 MEV	8.7689E-03	MO101	0.1910 MEV	4.7170E-03
KR 90	2.2900 MEV	1.2527E-03	KR 90	1.1100 MEV	6.0130E-03	TE133	0.6300 MEV	4.6013E-03	TE134	0.1700 MEV	2.1920E-03
RB 90	2.2000 MEV	2.2957E-03	RB 89	1.0500 MEV	5.7460E-03	TE131	0.6030 MEV	1.6049E-03	KR 90	0.1700 MEV	2.7216E-02
RB 89	2.2000 MEV	1.0917E-03	RB 90	1.0300 MEV	5.7392E-03	MO101	0.5900 MEV	3.9623E-03	TE131	0.1500 MEV	2.7216E-02
KR 90	2.1200 MEV	2.5054E-03	MO101	1.0200 MEV	4.7170E-03	TE133	0.5570 MEV	8.9470E-03	KR 90	0.1200 MEV	8.1426E-02
MO101	2.0800 MEV	3.0189E-03	TE131	0.9970 MEV	1.3888E-03	KR 90	0.5360 MEV	6.0130E-02	SM155	0.1050 MEV	8.3346E-03
KR 90	2.0300 MEV	1.2527E-03	TE133	0.9700 MEV	2.5563E-03	RB 90	0.5300 MEV	4.5913E-03	KR 90	0.1050 MEV	1.8791E-02
KR 90	1.9400 MEV	2.5054E-03	KR 90	0.9700 MEV	5.0108E-03	MO101	0.5100 MEV	3.0189E-03	TE134	0.0800 MEV	1.7810E-03
RB 90	1.8200 MEV	3.4435E-03	SB131	0.9500 MEV	2.7742E-03	KR 90	0.4920 MEV	1.5032E-02			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 5.2000 MEV TO 0.0800 MEV

IRRADIATION TIME 0.0 DAY 0.0 HR 1.000E 00 MIN 0.0 SEC
 **COOLING TIME ** 0.0 DAY 0.0 HR 2.000E 00 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 1.66309E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
RB 90	5.2000 MEV	6.3392E-03	KR 90	1.5400 MEV	9.1015E-03	MO101	0.8900 MEV	5.1140E-03	XE137	0.4550 MEV	3.8180E-03
RB 90	5.1000 MEV	3.1696E-03	NB 98	1.4400 MEV	1.2010E-03	KR 90	0.8900 MEV	1.0708E-03	TE131	0.4530 MEV	9.5524E-03
RB 90	4.6000 MEV	7.9240E-03	CS138	1.4260 MEV	2.9927E-03	I 134	0.8900 MEV	9.5088E-03	KR 90	0.4400 MEV	2.1415E-03
RB 90	4.3700 MEV	6.3392E-03	SR 94	1.4200 MEV	1.2373E-01	R 90	0.8500 MEV	2.6545E-03	TE133	0.4320 MEV	2.0250E-02
RB 90	4.3400 MEV	2.0602E-02	RB 90	1.4000 MEV	7.9240E-03	RB 90	0.8300 MEV	8.8749E-02	KR 87	0.4050 MEV	3.8464E-03
RB 90	4.1300 MEV	1.7433E-02	KR 90	1.4000 MEV	2.6769E-03	SE 83	0.8300 MEV	1.1502E-03	KR 90	0.4000 MEV	1.6061E-03
RB 90	3.5400 MEV	7.9240E-03	MO101	1.3800 MEV	3.0684E-03	NB 98	0.7800 MEV	1.2005E-02	TE133	0.3600 MEV	2.4300E-03
RB 90	3.3400 MEV	2.3772E-02	SR 92	1.3700 MEV	3.7416E-03	KR 90	0.7700 MEV	1.6061E-03	TE131	0.3840 MEV	4.3782E-03
KR 90	3.0800 MEV	1.0708E-03	KR 90	1.3400 MEV	2.1415E-03	TE133	0.7540 MEV	3.4424E-02	TE131	0.3430 MEV	4.3782E-03
RB 90	3.0700 MEV	7.9240E-03	MO101	1.2800 MEV	1.0228E-03	NB 98	0.7200 MEV	9.0045E-03	NB 98	0.3300 MEV	1.0808E-03
KR 90	2.9400 MEV	1.6061E-03	RB 89	1.2600 MEV	8.8175E-03	RB 90	0.7200 MEV	6.3392E-03	TE133	0.3100 MEV	8.5049E-03
RB 90	2.8400 MEV	3.1696E-03	RB 90	1.2400 MEV	3.1696E-03	KR 90	0.7200 MEV	2.1415E-03	KR 90	0.3100 MEV	1.6061E-03
RB 90	2.7200 MEV	1.5848E-03	KR 90	1.2300 MEV	1.6061E-03	MO101	0.7040 MEV	3.7502E-03	TE101	0.3070 MEV	2.6155E-03
KR 90	2.7000 MEV	1.0708E-03	MO101	1.1800 MEV	3.7502E-03	TE133	0.7000 MEV	9.7199E-03	PR148	0.3000 MEV	3.3723E-03
RB 89	2.5900 MEV	2.0819E-03	NB 98	1.1400 MEV	3.6018E-03	KR 90	0.6700 MEV	2.1415E-03	MO101	0.3000 MEV	2.3865E-03
KR 90	2.5800 MEV	1.0708E-03	TE131	1.1470 MEV	3.7402E-03	RB 89	0.6600 MEV	2.6942E-03	KR 90	0.2700 MEV	1.6061E-03
RB 90	2.5100 MEV	3.1696E-03	Y 94	1.1300 MEV	1.2434E-03	LA142	0.6500 MEV	1.0016E-03	TE134	0.2620 MEV	3.8590E-03
KR 90	2.4800 MEV	2.1415E-03	RB 90	1.1100 MEV	1.1094E-02	SB131	0.6400 MEV	3.4622E-03	KR 90	0.2360 MEV	8.5661E-03
RB 90	2.2000 MEV	3.1696E-03	KR 90	1.1100 MEV	2.5698E-02	KR 90	0.6400 MEV	3.7477E-03	TE134	0.2040 MEV	4.2652E-03
RB 89	2.2000 MEV	3.3268E-03	RB 89	1.0500 MEV	1.2247E-02	TE133	0.6300 MEV	7.2899E-03	MO101	0.1910 MEV	8.5233E-03
KR 90	2.1200 MEV	1.0708E-03	RB 90	1.0300 MEV	7.9240E-03	TE131	0.6030 MEV	2.3471E-03	TE134	0.1700 MEV	3.2497E-03
MO101	2.0800 MEV	5.4549E-03	MO101	1.0200 MEV	8.5233E-03	MO101	0.5900 MEV	7.1595E-03	KR 90	0.1700 MEV	2.6769E-03
KR 90	1.9400 MEV	1.0708E-03	CS138	1.0100 MEV	1.0249E-03	Y 94	0.5600 MEV	1.4921E-03	TE131	0.1500 MEV	3.9802E-02
RB 90	1.8200 MEV	4.7544E-03	TE131	0.9970 MEV	2.0311E-03	TE133	0.5570 MEV	1.4175E-02	KR 90	0.1200 MEV	3.4800E-02
KR 90	1.7900 MEV	5.8892E-03	TE133	0.9700 MEV	4.0499E-03	KR 90	0.5360 MEV	2.5698E-02	SM155	0.1050 MEV	1.2189E-02
RB 90	1.7000 MEV	4.7544E-03	KR 90	0.9700 MEV	2.1415E-03	RB 90	0.5300 MEV	6.3392E-03	KR 90	0.1050 MEV	8.0307E-03
KR 90	1.7000 MEV	2.6769E-03	SA131	0.9500 MEV	4.4915E-03	SE 83	0.5200 MEV	1.3002E-03	TE134	0.0800 MEV	2.6404E-03
NB 98	1.6800 MEV	1.2010E-03	TE131	0.9480 MEV	1.1941E-03	MO101	0.5100 MEV	5.4549E-03	MO101	0.0800 MEV	1.0228E-03
MO101	1.6600 MEV	1.0228E-03	Y 94	0.9200 MEV	1.0693E-02	KR 90	0.4950 MEV	6.4246E-03			
KR 90	1.6300 MEV	2.1415E-03	TE133	0.9100 MEV	2.3085E-02	TE131	0.4930 MEV	2.7861E-03			
MO101	1.5600 MEV	3.7502E-03	I 134	0.8900 MEV	1.8051E-03	TE133	0.4700 MEV	8.9099E-03			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 5.2000 MEV TO 0.0800 MEV

***IRRADIATION TIME** 0.0 DAY 0.0 HR 1.000F 00 MIN 0.0 SEC
 ***COOLING TIME ** 0.0 DAY 0.0 HR 5.000E 00 MIN 0.0 SEC
 ***TOTAL GAMMA INTENSITY = 1.06324E 09 DPS ***

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
RB 90	5.2000 MEV	5.2056E-03	NB 98	1.4400 MEV	2.1370E-03	BR 84	0.8800 MEV	1.6391E-03	XE137	0.4550 MEV	3.5040E-03
RB 90	5.1000 MEV	2.6028E-03	CS138	1.4260 MEV	7.1098E-03	RB 90	0.8600 MEV	7.8083E-03	TE131	0.4530 MEV	1.3679E-02
RB 90	4.6000 MEV	6.5069E-03	SR 94	1.4200 MEV	3.9092E-02	I 134	0.8500 MEV	5.1288E-02	TE133	0.4320 MEV	3.3309E-02
RB 90	4.3700 MEV	5.2056E-03	RR 90	1.4000 MEV	6.5069E-03	RB 90	0.8300 MEV	7.2878E-02	KR 87	0.4050 MEV	5.8541E-03
RB 90	4.3400 MEV	1.6918E-02	MO101	1.3800 MEV	4.9656E-03	SE 83	0.8300 MEV	1.6555E-03	MO101	0.4000 MEV	1.1035E-03
RB 90	4.1300 MEV	1.4315E-02	SR 92	1.3700 MEV	5.7781E-03	NB 98	0.7800 MEV	2.1361E-02	TE123	0.3900 MEV	3.9971E-03
RB 90	3.5400 MEV	6.5069E-03	SE 83	1.3100 MEV	1.0764E-03	TE133	0.7540 MEV	5.6625E-02	TE131	0.3840 MEV	6.2697E-03
RB 90	3.3400 MEV	1.9521E-02	MO101	1.2800 MEV	1.6552E-03	NB 97*	0.7470 MEV	1.0721E-03	SE 83	0.3500 MEV	1.0264E-03
RB 90	3.0700 MEV	6.5069E-03	RR 89	1.2600 MEV	2.0441E-02	NB 98	0.7200 MEV	1.6022E-02	TE131	0.3430 MEV	6.2697E-03
RB 90	2.8400 MEV	2.6028E-03	RR 90	1.2400 MEV	2.6028E-03	RB 90	0.7200 MEV	5.2056E-03	NB 98	0.3300 MEV	1.9231E-03
RB 89	2.7500 MEV	1.0523E-03	MO101	1.1800 MEV	6.0690E-03	SE 83	0.7100 MEV	1.0264E-03	TE139	0.3100 MEV	1.3990E-02
RB 90	2.7200 MEV	1.3014E-03	NB 98	1.1600 MEV	6.4088E-03	MO101	0.7040 MEV	6.0690E-03	TC101	0.3070 MEV	1.0235E-02
RB 89	2.5900 MEV	4.8264E-03	TF131	1.1470 MEV	5.3561E-03	TE133	0.7000 MEV	1.5988E-02	PR148	0.3000 MEV	1.8649E-03
KR 87	2.5700 MEV	1.3878E-03	I 135	1.1400 MEV	1.0417E-03	RR 89	0.6800 MEV	6.2459E-03	MO101	0.3000 MEV	3.8621E-03
RB 90	2.5100 MEV	2.6028E-03	Y 94	1.1300 MEV	2.2194E-03	TE131	0.6540 MEV	1.0226E-03	TE134	0.2620 MEV	5.7445E-03
KR 88	2.4000 MEV	1.4611E-03	RB 90	1.1100 MEV	9.1097E-03	LA142	0.6500 MEV	1.6261E-03	TE134	0.2040 MEV	6.3492E-03
CS138	2.2100 MEV	1.7509E-03	TF131	1.0500 MEV	2.8391E-02	SB131	0.6400 MEV	5.9874E-03	MO101	0.1930 MEV	1.1035E-03
RB 90	2.2000 MEV	2.6028E-03	RR 90	1.0300 MEV	5.6089E-03	TE133	0.6300 MEV	1.1991E-02	MO101	0.1910 MEV	1.3793E-02
RB 89	2.2000 MEV	5.3742E-03	MO101	1.0200 MEV	1.3773E-02	TE131	0.6300 MEV	3.3612E-03	KR 88	0.1910 MEV	1.4611E-03
Y 94	2.1300 MEV	1.0653E-03	CS138	1.0100 MEV	2.4318E-03	MO101	0.5900 MEV	1.1586E-02	TE134	0.1700 MEV	4.8375E-03
MO101	2.0800 MEV	8.8277E-03	TE131	0.9970 MEV	2.9086E-03	Y 94	0.5800 MEV	2.6633E-02	TE131	0.1500 MEV	5.6998E-02
NB 98	1.9300 MEV	1.7092E-03	TF133	0.9700 MEV	6.6618E-03	TE133	0.5570 MEV	2.3316E-02	KR 90	0.1200 MEV	1.2412E-02
RB 90	1.8200 MEV	3.9042E-03	SR131	0.9500 MEV	1.7475E-03	SR 91	0.5510 MEV	1.1339E-03	SM155	0.1050 MEV	1.7417E-02
RB 90	1.7000 MEV	3.9042E-03	MO101	0.9500 MEV	1.1035E-03	RB 90	0.5300 MEV	5.2056E-03	TE134	0.0800 MEV	3.9305E-03
NB 98	1.6800 MEV	2.1370E-03	TE131	0.9480 MEV	1.7099E-03	SE 83	0.5200 MEV	1.8714E-03	MO101	0.0800 MEV	1.6552E-03
MO101	1.6600 MEV	1.6552E-03	Y 94	0.9200 MEV	1.9087E-02	MO101	0.5100 MEV	8.8277E-03			
Y 94	1.6500 MEV	1.0653E-03	TE133	0.9100 MEV	3.7972E-02	TE131	0.4930 MEV	3.9988E-02			
MO101	1.5600 MEV	4.0690E-03	I 134	0.8900 MEV	3.4876E-03	TE133	0.4700 MEV	1.4656E-02			
RB 89	1.5500 MEV	1.4195E-03	MO101	0.8900 MEV	8.2759E-03	CS138	0.4646 MEV	2.2372E-03			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 5.2000 MEV TO 0.0800 MEV

***IRRADIATION TIME** 0.0 DAY 0.0 HR 1.000F 00 MIN 0.0 SEC
 ***COOLING TIME ** 0.0 DAY 0.0 HR 1.000F 01 MIN 0.0 SEC
 ***TOTAL GAMMA INTENSITY = 8.14935E 08 DPS ***

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
RB 90	5.2000 MEV	2.0627E-03	NR 98	1.5200 MEV	1.0639E-03	MO101	0.8900 MEV	8.7387E-03	MO101	0.5100 MEV	9.3213E-03
RB 90	5.1000 MEV	1.0314E-03	NR 98	1.4400 MEV	2.6637E-03	BR 84	0.8800 MEV	2.5456E-03	TE131	0.4930 MEV	4.5122E-03
RB 90	4.6000 MEV	2.5784E-03	CS138	1.4260 MEV	1.3224E-02	RB 90	0.8600 MEV	3.0941E-03	TE133	0.4700 MEV	1.7551E-02
RB 90	4.3700 MEV	2.0627E-03	SR 94	1.4200 MEV	3.5464E-03	I 134	0.8500 MEV	8.5505E-03	CS138	0.4626 MEV	4.1665E-03
RB 90	4.3400 MEV	6.7038E-03	RR 90	1.4000 MEV	2.5784E-03	KR 88	0.8500 MEV	2.1644E-03	XF137	0.4550 MEV	1.8799E-03
RB 90	4.1300 MEV	5.6724E-03	MO101	1.3800 MEV	5.2432E-03	RB 90	0.8300 MEV	2.8878E-02	TE131	0.4530 MEV	1.5470E-02
RB 90	3.5400 MEV	2.5784E-03	SR 92	1.3700 MEV	7.3797E-03	SE 83	0.8300 MEV	1.8803E-03	TF133	0.4520 MEV	3.9888E-02
RB 89	3.5200 MEV	1.1616E-03	SE 83	1.3100 MEV	1.1638E-03	NB 98	0.7800 MEV	2.6627E-02	KR 87	0.4050 MEV	7.2973E-03
RB 90	3.3400 MEV	7.7351E-03	I 135	1.2800 MEV	1.3310E-03	TE133	0.7540 MEV	6.7810E-02	MO101	0.4000 MEV	1.1652E-03
RB 90	3.0700 MEV	2.5784E-03	MO101	1.2800 MEV	1.7477E-03	NB 97*	0.7470 MEV	1.4252E-03	TE133	0.3900 MEV	4.7866E-03
RB 90	2.8400 MEV	1.0314E-03	RR 89	1.2600 MEV	2.8773E-02	NB 98	0.7200 MEV	1.9971E-02	TE131	0.3840 MEV	7.0906E-03
RB 89	2.7500 MEV	1.4813E-03	RR 90	1.2400 MEV	1.0314E-03	RB 90	0.7200 MEV	2.0627E-03	SE 83	0.3500 MEV	1.1658E-03
CS138	2.6300 MEV	1.6304E-03	MO101	1.1800 MEV	6.4084E-03	SE 83	0.7100 MEV	1.1658E-03	TE131	0.3430 MEV	7.0906E-03
RB 89	2.5900 MEV	6.7937E-03	NB 98	1.1600 MEV	7.9855E-03	MO101	0.7040 MEV	6.4084E-03	NB 98	0.3300 MEV	2.3971E-03
KR 87	2.5700 MEV	1.7299E-03	TE131	1.1470 MEV	6.0574E-03	TE133	0.7000 MEV	1.9146E-02	TF133	0.3100 MEV	1.6753E-02
RB 90	2.5100 MEV	1.0314E-03	I 135	1.1400 MEV	1.4485E-03	NR 97	0.6820 MEV	1.0929E-03	RH107	0.3070 MEV	1.0958E-03
KR 88	2.4000 MEV	1.8673E-03	Y 94	1.1300 MEV	2.5781E-03	RB 89	0.6600 MEV	8.7918E-03	TC101	0.3070 MEV	2.2823E-02
CS138	2.2100 MEV	3.2607E-03	RB 90	1.1100 MEV	3.6097E-03	TE131	0.6540 MEV	1.1365E-03	MO101	0.3000 MEV	4.0781E-03
RB 90	2.2000 MEV	1.0314E-03	I 134	1.0700 MEV	1.2826E-03	LA142	0.6500 MEV	2.2016E-03	TE134	0.2620 MEV	6.9012E-03
RB 89	2.2000 MEV	7.5929E-03	RR 89	1.0500 MEV	3.9963E-02	SB131	0.6400 MEV	7.7596E-03	SM155	0.2450 MEV	1.0418E-03
Y 94	2.1300 MEV	1.2365E-03	RR 90	1.0300 MEV	2.5784E-03	TE133	0.6300 MEV	1.4360E-02	TE134	0.2040 MEV	7.6276E-03
MO101	2.0800 MEV	9.3213E-03	MO101	1.0200 MEV	1.4564E-02	I 134	0.6100 MEV	1.6246E-03	MO101	0.1930 MEV	1.1652E-03
NB 98	1.9300 MEV	2.1304E-03	CS138	1.0100 MEV	4.5288E-03	TE131	0.6030 MEV	3.8013E-03	MO101	0.1910 MEV	1.4564E-02
NB 98	1.8800 MEV	1.0639E-03	TE131	0.9970 MEV	3.2694E-03	MO101	0.5900 MEV	1.2234E-02	KR 88	0.1910 MEV	1.8673E-03
RB 90	1.8200 MEV	1.5470E-03	TF133	0.9700 MEV	7.0977E-02	Y 94	0.5800 MEV	3.0914E-03	TE134	0.1700 MEV	5.8115E-03
RB 90	1.7000 MEV	3.5470E-03	SR131	0.9500 MEV	1.0967E-02	TE133	0.5570 MEV	2.7922E-02	BA139	0.1658 MEV	1.9518E-03
NB 98	1.6800 MEV	2.6637E-03	MO101	0.9500 MEV	1.1652E-03	SR 91	0.5510 MEV	1.5342E-03	TE131	0.1500 MEV	6.4460E-02
MO101	1.6600 MEV	1.7477E-03	TE131	0.9480 MEV	1.9338E-03	CS138	0.5500 MEV	1.4492E-03	SM155	0.1050 MEV	1.9545E-02
Y 94	1.6500 MEV	1.2365E-03	Y 94	0.9200 MEV	2.2155E-02	TC101	0.5450 MEV	1.8364E-03	TE134	0.0800 MEV	4.7219E-03
MO101	1.5600 MEV	6.4084E-03	TE133	0.9100 MEV	4.5473E-02	RB 90	0.5300 MEV	2.0627E-03	MO101	0.0800 MEV	1.7477E-03
RB 89	1.5500 MEV	1.9981E-03	I 134	0.8900 MEV	5.8144E-03	SE 83	0.5200 MEV	2.1255E-03			

Table 3.2.

Relative intensities of γ rays of FP for ^{235}U fissions
by the irradiation of thermal neutrons for 1 hour.

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 4.3400 MEV TO 0.0800 MEV

***IRRADIATION TIME** 0.0 DAY 1.000E+00 HR 0.0 MIN 0.0 SEC
***COOLING TIME ** 0.0 DAY 1.000E+01 HR 0.0 MIN 0.0 SEC
***TOTAL GAMMA INTENSITY = 2.69551E+10 DPS ***

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
RB 90	4.3400 MEV	2.4792E-03	SR 82	1.3700 MEV	1.2040E-02	KR 88	0.8500 MEV	1.9913E-03	TE131	0.4930 MEV	4.4437E-03
RB 90	4.1300 MEV	2.0978E-03	SE 83	1.3100 MEV	1.1672E-03	RB 90	0.8300 MEV	1.0680E-02	TE133	0.4700 MEV	1.3055E-02
RB 90	3.3400 MEV	2.8606E-03	I 135	1.2800 MEV	2.3383E-03	SE 83	0.8300 MEV	1.8826E-03	CS138	0.4426 MEV	9.3935E-03
RB 89	2.7300 MEV	1.2492E-03	MO101	1.2800 MEV	1.2977E-03	NB 98	0.7800 MEV	3.5114E-02	TE131	0.4530 MEV	1.5235E-02
CS138	2.6300 MEV	3.6757E-03	RB 89	1.2600 MEV	2.4266E-02	I 134	0.7700 MEV	1.4209E-03	TE133	0.4320 MEV	2.9670E-02
RB 89	2.5900 MEV	3.7294E-03	MO101	1.1800 MEV	4.7582E-03	TE133	0.7540 MEV	5.0439E-02	CS138	0.4106 MEV	1.2252E-03
KR 87	2.5700 MEV	2.5179E-03	NB 98	1.1600 MEV	1.0535E-02	SR 91	0.7480 MEV	1.3285E-03	KR 87	0.4050 MEV	1.0622E-02
LA142	2.4100 MEV	1.1671E-03	I 134	1.1500 MEV	2.3681E-03	NB 97*	0.7470 MEV	2.5419E-03	I 134	0.3900 MEV	1.6577E-03
KR 88	2.4000 MEV	3.0568E-03	TE131	1.1470 MEV	5.9653E-03	NB 98	0.7200 MEV	2.6338E-02	TE133	0.3900 MEV	3.5604E-03
CS138	2.2100 MEV	7.3515E-03	I 135	1.1400 MEV	2.5446E-03	SE 83	0.7100 MEV	1.1672E-03	TE131	0.3840 MEV	6.9829E-03
RB 89	2.2000 MEV	4.4034E-03	Y 94	1.1300 MEV	2.3203E-03	MO101	0.7040 MEV	4.7582E-03	SE 83	0.3500 MEV	1.1672E-03
KR 88	2.1900 MEV	1.5284E-03	RB 90	1.1100 MEV	1.3349E-03	TE133	0.7000 MEV	1.4242E-02	TE131	0.3430 MEV	6.9829E-03
Y 94	2.1300 MEV	1.1137E-03	I 134	1.0700 MEV	3.5522E-03	I 134	0.6900 MEV	1.6577E-03	NB 98	0.3300 MEV	3.1612E-03
MO101	2.0800 MEV	6.9210E-03	RB 89	1.0500 MEV	3.3702E-02	NB 97	0.6650 MEV	2.1197E-03	TE133	0.3100 MEV	1.2461E-02
NB 98	1.9300 MEV	2.8096E-03	SR 91	1.0250 MEV	1.3756E-03	RB 89	0.6600 MEV	7.4145E-03	RM107	0.3070 MEV	1.2544E-03
NB 98	1.8800 MEV	1.4030E-03	MO101	1.0200 MEV	1.0814E-02	TE131	0.6540 MEV	1.1389E-03	TC101	0.3070 MEV	3.9855E-02
RB 88	1.8500 MEV	1.5004E-03	CS138	1.0100 MEV	1.0210E-02	LA142	0.6500 MEV	3.7637E-03	MO101	0.3000 MEV	3.0279E-03
I 134	1.7900 MEV	1.1841E-03	I 134	1.0000 MEV	1.1841E-03	SR131	0.6400 MEV	8.1975E-03	TE134	0.2620 MEV	8.5582E-03
I 134	1.7200 MEV	1.3047E-03	TE131	0.9970 MEV	3.2594E-03	TE133	0.6300 MEV	1.0681E-02	SM155	0.2450 MEV	1.0007E-03
NB 98	1.6800 MEV	3.5128E-03	TE133	0.9700 MEV	5.9340E-03	I 134	0.6100 MEV	4.4994E-03	TE134	0.2040 MEV	9.4591E-03
MO101	1.6600 MEV	1.2977E-03	SR131	0.9500 MEV	1.0635E-02	TE131	0.6030 MEV	3.7435E-03	MO101	0.1910 MEV	1.0814E-02
Y 94	1.6500 MEV	1.1137E-03	TE131	0.9480 MEV	1.9044E-03	MO101	0.5900 MEV	9.0838E-03	KR 88	0.1910 MEV	3.0568E-03
I 134	1.6200 MEV	1.1841E-03	Y 94	0.9200 MEV	1.9054E-02	Y 94	0.5600 MEV	2.7843E-03	TE134	0.1700 MEV	7.2069E-03
MO101	1.5600 MEV	4.7582E-03	TE133	0.9100 MEV	3.3824E-02	TE133	0.5570 MEV	2.0769E-02	BA139	0.1658 MEV	4.9907E-03
RB 89	1.5500 MEV	1.6851E-03	I 134	0.8900 MEV	1.6103E-02	SR 91	0.5510 MEV	2.7041E-03	TE131	0.1500 MEV	6.3481E-02
KR 88	1.5500 MEV	1.2227E-03	MO101	0.8900 MEV	6.4885E-03	CS138	0.5500 MEV	3.2673E-03	KR 85*	0.1495 MEV	1.5589E-03
NB 98	1.5200 MEV	1.4030E-03	BR 84	0.8800 MEV	3.1413E-03	TC101	0.5450 MEV	3.2067E-03	TC101	0.1300 MEV	1.0393E-03
NB 98	1.4400 MEV	3.5128E-03	CS138	0.8700 MEV	1.6737E-03	I 134	0.5400 MEV	1.8945E-03	SM155	0.1050 MEV	1.8773E-02
CS138	1.4260 MEV	2.9814E-02	I 134	0.8600 MEV	1.1841E-03	I 133	0.5300 MEV	1.7563E-03	TE134	0.0800 MEV	5.8556E-03
SR 91	1.4200 MEV	2.1892E-03	RB 90	0.8600 MEV	1.1442E-03	SE 83	0.5200 MEV	2.1282E-03	MO101	0.0800 MEV	1.2977E-03
MO101	1.3800 MEV	3.8931E-03	I 134	0.8500 MEV	2.3681E-02	MO101	0.5100 MEV	6.9210E-03			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 2.7500 MEV TO 0.0800 MEV

***IRRADIATION TIME** 0.0 DAY 1.000E+00 HR 0.0 MIN 0.0 SEC
***COOLING TIME ** 0.0 DAY 2.000E+01 HR 0.0 MIN 0.0 SEC
***TOTAL GAMMA INTENSITY = 2.28809E+10 DPS ***

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
RB 89	2.7500 MEV	1.1839E-03	MO101	1.2800 MEV	1.1514E-03	NB 98	0.7800 MEV	3.8148E-02	CS138	0.4426 MEV	1.1131E-02
CS138	2.6300 MEV	4.3555E-03	RB 89	1.2600 MEV	2.2996E-02	I 134	0.7700 MEV	1.7651E-03	TE131	0.4530 MEV	1.5186E-02
RB 89	2.5900 MEV	5.4296E-03	MO101	1.1800 MEV	4.2216E-03	TE133	0.7540 MEV	4.5139E-02	TE133	0.4320 MEV	2.6552E-02
KR 87	2.5700 MEV	2.8083E-03	NB 98	1.1600 MEV	1.1445E-02	SR 91	0.7480 MEV	1.5553E-03	CS138	0.4106 MEV	1.4518E-03
LA142	2.4100 MEV	1.3446E-03	I 134	1.1500 MEV	2.9418E-03	NB 97*	0.7470 MEV	2.9835E-03	KR 87	0.4050 MEV	1.1847E-02
KR 88	2.4000 MEV	3.5130E-03	TE131	1.1470 MEV	5.9461E-03	NB 98	0.7200 MEV	2.8613E-02	I 134	0.3900 MEV	2.0593E-03
CS138	2.2100 MEV	7.3511E-03	I 135	1.1400 MEV	2.9760E-03	SE 83	0.7100 MEV	1.1643E-03	TE133	0.3600 MEV	3.1842E-03
RB 89	2.2000 MEV	6.0684E-03	Y 94	1.1300 MEV	2.2339E-03	MO101	0.7040 MEV	4.2216E-03	TE131	0.3840 MEV	6.9604E-03
KR 88	2.1900 MEV	1.7565E-03	I 134	1.0700 MEV	4.4127E-03	TE133	0.7000 MEV	1.2745E-02	SE 83	0.3500 MEV	1.1643E-03
Y 94	2.1300 MEV	1.0723E-03	RB 89	1.0500 MEV	3.1939E-02	I 134	0.6900 MEV	2.0593E-03	TE131	0.3430 MEV	6.9604E-03
MO101	2.0800 MEV	6.1406E-03	SR 91	1.0250 MEV	1.6105E-03	NB 97	0.6650 MEV	2.5309E-03	NB 98	0.3300 MEV	3.4344E-03
NB 98	1.9300 MEV	3.0523E-03	MO101	1.0200 MEV	9.5946E-03	RB 89	0.6600 MEV	7.0265E-03	TE133	0.3100 MEV	1.1152E-02
NB 98	1.8800 MEV	1.5243E-03	CS138	1.0100 MEV	1.2099E-02	TE131	0.6540 MEV	1.1352E-03	RM107	0.3070 MEV	1.3074E-03
RB 88	1.8500 MEV	1.8899E-03	I 134	1.0000 MEV	1.4709E-03	LA142	0.6500 MEV	4.3364E-03	TC101	0.3070 MEV	4.4740E-02
I 134	1.7900 MEV	1.4709E-03	TE131	0.9970 MEV	3.2289E-03	SR131	0.6400 MEV	8.3409E-03	MO101	0.3000 MEV	2.6865E-03
I 135	1.7200 MEV	1.5282E-03	TE133	0.9700 MEV	5.3104E-03	TE133	0.6300 MEV	9.5587E-03	TE134	0.2620 MEV	9.1316E-03
NB 98	1.6800 MEV	3.8164E-03	SR131	0.9500 MEV	1.0821E-02	I 134	0.6100 MEV	5.5894E-03	TE134	0.2040 MEV	1.0093E-02
MO101	1.6600 MEV	1.2514E-03	TE131	0.9480 MEV	1.8983E-03	TE131	0.6030 MEV	3.7314E-03	MO101	0.1910 MEV	9.5946E-03
Y 94	1.6500 MEV	1.0723E-03	Y 94	0.9200 MEV	1.9211E-02	MO101	0.5900 MEV	8.0595E-03	KR 88	0.1910 MEV	3.5130E-03
I 134	1.6200 MEV	1.4709E-03	Y 94	0.9100 MEV	3.0269E-02	Y 94	0.5600 MEV	2.6807E-03	TC101	0.1860 MEV	1.0285E-03
MO101	1.5600 MEV	4.2216E-03	RB 88	0.9100 MEV	1.1903E-03	TE133	0.5570 MEV	1.8586E-02	TE134	0.1700 MEV	7.6898E-03
RB 89	1.5500 MEV	1.5969E-03	I 134	0.8900 MEV	2.0004E-02	Y 91*	0.5510 MEV	1.2568E-03	BA139	0.1658 MEV	6.0621E-03
KR 88	1.5500 MEV	1.4052E-03	MO101	0.8900 MEV	5.7568E-03	SR 91	0.5510 MEV	3.1658E-03	TE131	0.1500 MEV	6.3276E-02
NB 98	1.5200 MEV	1.5243E-03	BR 84	0.8800 MEV	3.3509E-03	CS138	0.5500 MEV	3.8716E-03	KR 85*	0.1495 MEV	1.8415E-03
I 134	1.4600 MEV	1.1767E-03	CS138	0.8700 MEV	1.9358E-03	TC101	0.5450 MEV	3.5998E-03	TC101	0.1300 MEV	1.1622E-03
NB 98	1.4400 MEV	3.8164E-03	I 134	0.8600 MEV	1.4709E-03	I 134	0.5400 MEV	2.3534E-03	SM155	0.1050 MEV	1.8458E-02
CS138	1.4260 MEV	3.5328E-02	I 134	0.8500 MEV	2.9418E-02	I 133	0.5300 MEV	2.2521E-03	TE134	0.0800 MEV	6.2480E-03
MO101	1.3800 MEV	3.4541E-03	KR 88	0.8500 MEV	2.2885E-03	SE 83	0.5200 MEV	2.1229E-03	MO101	0.0800 MEV	1.1514E-03
SR 92	1.3700 MEV	1.1826E-02	KR 87	0.8500 MEV	1.0652E-03	MO101	0.5100 MEV	6.1406E-03			
SE 83	1.3100 MEV	1.1643E-03	RB 90	0.8300 MEV	2.9996E-03	TE131	0.4930 MEV	4.4293E-03			
I 134	1.2800 MEV	2.7347E-03	SE 83	0.8300 MEV	1.8779E-03	TE133	0.4700 MEV	1.1683E-02			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 2.6300 MEV TO 0.0800 MEV

IRRADIATION TIME 0.0 DAY 1.000E 00 HR 0.0 MIN 0.0 SEC
 **COOLING TIME ** 0.0 DAY 5.000E-01 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 1.51655E 10 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
CS138	2.6300 MEV	5.8077E-03	NR 98	1.1600 MEV	1.3521E-02	SR 91	0.7480 MEV	2.2967E-03	CS138	0.4106 MEV	1.9359E-03
RB 89	2.5900 MEV	3.7423E-03	I 134	1.1500 MEV	4.7513E-03	NR 97*	0.7470 MEV	4.4466E-03	KR 87	0.4050 MEV	1.5167E-02
KR 87	2.5700 MEV	3.5956E-03	TE131	1.1470 MEV	5.4443E-03	RU105	0.7250 MEV	1.0951E-03	I 134	0.3900 MEV	3.3259E-03
LA142	2.5500 MEV	1.3619E-03	I 135	1.1400 MEV	4.3548E-03	NR 98	0.7200 MEV	3.3802E-02	TE133	0.3900 MEV	1.8639E-03
LA142	2.4100 MEV	1.8357E-03	Y 94	1.1300 MEV	1.8232E-03	SE 83	0.7100 MEV	1.0665E-03	TE131	0.3840 MEV	6.3730E-03
KR 88	2.4000 MEV	4.9209E-03	I 134	1.0700 MEV	1.4254E-03	MO101	0.7040 MEV	2.7100E-03	SE 83	0.3500 MEV	1.0665E-03
CS138	2.2100 MEV	1.1615E-02	I 134	1.0700 MEV	7.1269E-03	TE133	0.7000 MEV	7.4557E-03	TE131	0.3430 MEV	6.3730E-03
RB 89	2.2000 MEV	4.1826E-03	RB 89	1.0500 MEV	2.2014E-02	I 134	0.6900 MEV	3.3259E-03	PM150	0.3330 MEV	1.3824E-03
KR 88	2.1900 MEV	2.4605E-03	I 135	1.0400 MEV	1.0493E-03	NR 97	0.6650 MEV	3.9485E-03	NR 98	0.3300 MEV	4.0571E-03
MO101	2.0800 MEV	3.9419E-03	SR 91	1.0250 MEV	2.3783E-03	RB 89	0.6600 MEV	4.8430E-03	TE133	0.3100 MEV	6.5237E-03
NR 98	1.9300 MEV	3.6058E-03	MO101	1.0200 MEV	6.1592E-03	TE131	0.6540 MEV	1.0394E-03	RM107	0.3070 MEV	1.1720E-03
LA142	1.9100 MEV	1.0659E-03	CS138	1.0100 MEV	1.6132E-02	LA142	0.6500 MEV	5.9201E-03	TC101	0.3070 MEV	4.6443E-02
NR 98	1.8800 MEV	1.8007E-03	I 134	1.0000 MEV	2.3756E-03	SR 91	0.6450 MEV	1.1064E-03	MO101	0.3000 MEV	1.7246E-03
RB 88	1.8500 MEV	3.1120E-03	TE131	0.9970 MEV	2.9646E-03	SB131	0.6400 MEV	7.7164E-03	TE134	0.2620 MEV	1.0236E-02
I 135	1.8000 MEV	1.2947E-03	TE133	0.9700 MEV	3.1065E-03	TE133	0.6300 MEV	5.5918E-03	XF135	0.2500 MEV	1.0217E-03
I 134	1.7900 MEV	2.3756E-03	SB131	0.9500 MEV	1.0011E-02	I 134	0.6100 MEV	9.0274E-03	CS138	0.2289 MEV	1.0325E-03
I 135	1.7200 MEV	2.2363E-03	TE131	0.9480 MEV	1.7381E-03	TE131	0.6030 MEV	3.4165E-03	ND149	0.2100 MEV	1.0232E-03
NR 98	1.6800 MEV	4.5084E-03	Y 94	0.9200 MEV	1.5679E-02	MO101	0.5900 MEV	5.1737E-03	TE134	0.2040 MEV	1.1314E-02
I 134	1.6200 MEV	2.3756E-03	TE133	0.9100 MEV	1.7707E-02	Y 94	0.5600 MEV	2.1878E-03	MO101	0.1910 MEV	6.1592E-03
MO101	1.5600 MEV	2.7100E-03	RB 88	0.9100 MEV	1.9601E-03	TE133	0.5570 MEV	1.0873E-02	KR 88	0.1910 MEV	4.9209E-03
RB 88	1.5500 MEV	1.1007E-03	LA142	0.9000 MEV	1.0659E-03	Y 91*	0.5540 MEV	2.4684E-03	TC101	0.1860 MEV	1.0677E-03
KR 88	1.5500 MEV	1.9684E-03	I 134	0.8900 MEV	3.2309E-02	SR 91	0.5540 MEV	4.6750E-03	TE134	0.1700 MEV	8.6202E-03
NR 98	1.5200 MEV	1.8007E-03	MO101	0.8900 MEV	3.6955E-03	CS138	0.5500 MEV	5.1624E-03	RA139	0.1658 MEV	8.7546E-03
I 135	1.4600 MEV	1.4124E-03	RB 88	0.8800 MEV	3.4638E-03	TC101	0.5450 MEV	3.7368E-03	TE131	0.1500 MEV	5.7936E-02
I 134	1.4600 MEV	1.9005E-03	CS138	0.8700 MEV	2.5612E-03	I 134	0.5400 MEV	3.8010E-03	KR 85*	0.1495 MEV	2.6664E-03
NR 98	1.4400 MEV	4.5084E-03	I 135	0.8600 MEV	1.2947E-03	I 133	0.5300 MEV	3.8475E-03	CS138	0.1389 MEV	1.2906E-03
CS138	1.4260 MEV	4.7107E-02	I 134	0.8600 MEV	2.3756E-03	SE 83	0.5200 MEV	1.9445E-03	I 134	0.1350 MEV	1.4254E-03
MO101	1.3800 MEV	2.2173E-03	I 134	0.8500 MEV	4.7513E-02	MO101	0.5100 MEV	3.9419E-03	TC101	0.1300 MEV	1.2064E-03
SR 92	1.3700 MEV	1.9319E-02	KR 88	0.8500 MEV	3.2656E-03	TE131	0.4930 MEV	4.0555E-03	SM155	0.1050 MEV	1.6188E-02
SE 83	1.3100 MEV	1.0665E-03	KR 87	0.8500 MEV	1.3638E-03	TE133	0.4700 MEV	6.8344E-03	TE134	0.0800 MEV	7.0039E-03
I 133	1.3000 MEV	1.5390E-03	SE 83	0.8300 MEV	1.7501E-03	CS138	0.4666 MEV	1.4842E-02			
I 135	1.2800 MEV	4.0017E-03	NR 98	0.7800 MEV	4.5066E-02	TE131	0.4530 MEV	1.3905E-02			
RB 89	1.2600 MEV	1.5850E-02	I 134	0.7700 MEV	2.8508E-03	TE133	0.4320 MEV	1.5533E-02			
MO101	1.1800 MEV	2.7100E-03	TE133	0.7540 MEV	2.6406E-02	I 134	0.4300 MEV	1.4254E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 2.6300 MEV TO 0.0280 MEV

IRRADIATION TIME 0.0 DAY 1.000E 00 HR 0.0 MIN 0.0 SEC
 **COOLING TIME ** 0.0 DAY 1.000E 00 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 8.92762E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
CS138	2.6300 MEV	6.4431E-03	I 134	1.1500 MEV	7.6400E-03	TE133	0.7540 MEV	8.5638E-03	I 135	0.4200 MEV	1.3100E-03
RB 89	2.5900 MEV	1.6496E-03	TE131	1.1470 MEV	4.0255E-03	SR 91	0.7480 MEV	3.7641E-03	CS138	0.4106 MEV	2.1477E-03
KR 87	2.5700 MEV	4.6458E-03	I 135	1.1400 MEV	7.0247E-03	NR 97*	0.7470 MEV	7.4011E-03	KR 87	0.4050 MEV	1.9598E-02
LA142	2.5500 MEV	1.8769E-03	Y 94	1.1300 MEV	1.1119E-03	RU105	0.7250 MEV	1.7497E-03	I 134	0.3900 MEV	5.3480E-03
LA142	2.4100 MEV	2.5287E-03	I 134	1.0700 MEV	2.2920E-03	NR 98	0.7200 MEV	3.8193E-02	TE131	0.3840 MEV	4.7121E-03
KR 88	2.4000 MEV	7.3860E-03	I 134	1.0700 MEV	1.1460E-02	MO101	0.7040 MEV	1.1980E-03	KR 88	0.3600 MEV	1.0340E-03
CS138	2.2100 MEV	1.2886E-02	RB 89	1.0500 MEV	9.7036E-03	TE133	0.7000 MEV	2.4180E-03	TE131	0.3430 MEV	6.7121E-03
RB 89	2.2000 MEV	1.8437E-03	I 135	1.0400 MEV	1.7078E-03	I 134	0.6900 MEV	3.3480E-03	PM150	0.3330 MEV	2.0654E-03
KR 88	2.1900 MEV	3.6930E-03	SR 91	1.0250 MEV	3.8978E-03	NR 97	0.6650 MEV	6.9678E-03	NR 98	0.3300 MEV	4.5842E-03
MO101	2.0800 MEV	1.6116E-03	MO101	1.0200 MEV	2.5182E-03	RB 89	0.6600 MEV	2.1348E-03	TE133	0.3100 MEV	2.1158E-03
LA142	2.0600 MEV	1.0605E-03	CS138	1.0100 MEV	1.7897E-02	LA142	0.6500 MEV	8.1549E-03	TC101	0.3070 MEV	3.0491E-02
NR 98	1.9300 MEV	4.0743E-03	I 134	1.0000 MEV	3.8200E-03	SR 91	0.6450 MEV	1.8132E-03	TE134	0.2620 MEV	1.0599E-02
LA142	1.9100 MEV	1.4682E-03	TE131	0.9970 MEV	2.1860E-03	SB131	0.6400 MEV	3.7081E-03	XF135	0.2500 MEV	2.3701E-03
NR 98	1.8800 MEV	2.0344E-03	TE133	0.9700 MEV	1.0075E-03	TE133	0.6300 MEV	1.8135E-03	SR 92	0.2300 MEV	1.1263E-03
RB 88	1.8500 MEV	5.1897E-03	I 134	0.9600 MEV	1.5280E-03	I 134	0.6100 MEV	1.4516E-02	CS138	0.2289 MEV	1.1454E-03
I 135	1.8000 MEV	2.0884E-03	SB131	0.9500 MEV	7.4050E-03	TE131	0.6030 MEV	2.5261E-03	ND149	0.2100 MEV	1.4337E-03
I 134	1.7900 MEV	3.8200E-03	TE131	0.9480 MEV	1.2851E-03	MO101	0.5900 MEV	2.1153E-03	TE134	0.2040 MEV	1.1714E-02
I 135	1.7200 MEV	3.6073E-03	Y 94	0.9200 MEV	1.7320E-03	Y 94	0.5600 MEV	1.3343E-03	MO101	0.1910 MEV	2.5182E-03
NR 98	1.6800 MEV	5.0941E-03	Y 94	0.9200 MEV	9.5624E-03	TE133	0.5570 MEV	3.5263E-03	KR 88	0.1910 MEV	7.3860E-03
I 134	1.6200 MEV	3.8200E-03	TE133	0.9100 MEV	5.7428E-03	Y 91*	0.5510 MEV	3.2847E-03	TE134	0.1700 MEV	8.9251E-03
MO101	1.5600 MEV	1.1080E-03	RB 88	0.9100 MEV	3.2687E-03	SR 91	0.5510 MEV	7.6619E-03	KR 88	0.1660 MEV	1.4772E-03
KR 88	1.5500 MEV	2.8508E-03	LA142	0.9000 MEV	1.0659E-03	CS138	0.5500 MEV	5.7272E-03	RA139	0.1658 MEV	1.2028E-02
NR 98	1.5200 MEV	2.0344E-03	I 134	0.8900 MEV	5.1952E-02	TC101	0.5450 MEV	2.4533E-03	TE131	0.1500 MEV	4.2837E-02
I 135	1.4600 MEV	2.5783E-03	MO101	0.8900 MEV	1.5109E-03	I 134	0.5400 MEV	6.1120E-03	KR 85*	0.1495 MEV	4.1867E-03
I 134	1.4600 MEV	3.0560E-03	RB 88	0.8800 MEV	3.0612E-03	I 133	0.5300 MEV	6.8255E-03	TC 99*	0.1405 MEV	1.0754E-03
NR 98	1.4400 MEV	5.0941E-03	CS138	0.8700 MEV	2.8636E-03	SE 83	0.5200 MEV	1.4378E-03	CS138	0.1389 MEV	1.4318E-03
CS138	1.4260 MEV	5.2260E-02	I 135	0.8600 MEV	2.0884E-03	MO101	0.5100 MEV	1.6116E-03	I 134	0.1350 MEV	2.2920E-03
SR 92	1.3700 MEV	2.8878E-02	I 134	0.8600 MEV	3.8200E-03	TE131	0.4930 MEV	2.9986E-03	RM107	0.1294 MEV	1.1149E-03
I 134	1.3400 MEV	1.5280E-03	I 134	0.8500 MEV	7.6400E-02	TE133	0.4700 MEV	2.2165E-03	ND149	0.1140 MEV	1.2619E-03
I 133	1.3000 MEV	2.7302E-03	KR 88	0.8500 MEV	4.8715E-03	CS138	0.4666 MEV	1.6466E-02	SM155	0.1050 MEV	1.1135E-02
I 135	1.2800 MEV	6.4551E-03	KR 87	0.8500 MEV	1.7622E-03	TE131	0.4530 MEV	1.0281E-02	TE134	0.0800 MEV	7.2517E-03
RB 89	1.2600 MEV	6.9868E-03	SE 83	0.8300 MEV	1.7210E-03	SR 92	0.4400 MEV	1.2995E-03	KR 88	0.0780 MEV	1.2282E-03
MO101	1.1800 MEV	1.1080E-03	NR 98	0.7800 MEV	5.0921E-02	TE133	0.4320 MEV	5.0375E-03			
NR 98	1.1600 MEV	1.5277E-02	I 134	0.7700 MEV	4.5840E-03	I 134	0.4300 MEV	2.2920E-03			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 2.9900 MEV TO 0.0280 MEV

IRRADIATION TIME 0.0			DAY 1.000E 00 HR 0.0			MIN 0.0			SEC		
**COOLING TIME ** 0.0			DAY 2.000E 00 HR 0.0			MIN 0.0			SEC		
**TOTAL GAMMA INTENSITY = 4.40540E 09 DPS **											
NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA142	2.9900	MEV 1.1621E-03	PM140	1.3300	MEV 1.0039E-03	NB 98	0.7800	MEV 4.5665E-02	TF131	0.3430	MEV 1.8096E-03
CS138	2.6300	MEV 4.2100E-03	I 133	1.3000	MEV 5.4261E-03	I 134	0.7700	MEV 6.3173E-03	PM150	0.3330	MEV 3.2386E-03
KR 87	2.5700	MEV 5.4481E-03	I 135	1.2800	MEV 1.1798E-02	I 134	0.7500	MEV 1.0529E-03	NB 98	0.3300	MEV 4.1111E-03
LA142	2.5500	MEV 2.4285E-03	I 134	1.2800	MEV 1.0529E-03	SR 91	0.7480	MEV 7.1020E-03	TC101	0.3070	MEV 6.0461E-03
LA142	2.4100	MEV 3.2735E-03	PM150	1.1700	MEV 1.0363E-03	NB 97*	0.7470	MEV 1.4403E-02	KR 85*	0.3050	MEV 1.5345E-03
KR 88	2.4000	MEV 1.1688E-02	NR 98	1.1600	MEV 1.3701E-02	RU105	0.7250	MEV 3.0384E-03	CE143	0.2930	MEV 1.3441E-03
CS138	2.2100	MEV 8.4200E-03	I 134	1.1500	MEV 1.0529E-02	NB 98	0.7200	MEV 3.4231E-02	ND149	0.2690	MEV 1.1267E-03
LA142	2.1900	MEV 1.0557E-03	TF131	1.1470	MEV 1.5459E-03	I 134	0.6900	MEV 7.3702E-03	Y 93	0.2670	MEV 1.4922E-03
KR 88	2.1900	MEV 5.8441E-03	I 135	1.1400	MEV 1.2839E-02	I 132	0.6678	MEV 1.0275E-03	TF134	0.2620	MEV 7.9809E-03
LA142	2.0600	MEV 1.3728E-03	I 134	1.0700	MEV 3.1586E-03	NR 97	0.6620	MEV 1.4598E-02	XE135	0.2500	MEV 7.0275E-03
NR 98	1.9300	MEV 3.6538E-03	I 134	1.0700	MEV 5.5793E-02	LA142	0.6500	MEV 1.0557E-02	TE132	0.2300	MEV 1.9861E-03
LA142	1.9100	MEV 1.9007E-03	RR 89	1.0500	MEV 1.3211E-03	SR 91	0.6450	MEV 3.4212E-03	SR 92	0.2300	MEV 1.7677E-03
NR 98	1.8800	MEV 1.8246E-03	I 135	1.0400	MEV 3.1231E-03	SB131	0.6400	MEV 2.1921E-03	ND149	0.2100	MEV 1.9772E-03
RB 88	1.8500	MEV 8.6031E-03	SR 91	1.0250	MEV 7.3542E-03	I 134	0.6100	MEV 2.0005E-02	TE134	0.2040	MEV 8.8210E-03
I 135	1.8000	MEV 3.8171E-03	CS138	1.0100	MEV 1.1694E-02	Y 91*	0.5510	MEV 1.2664E-02	KR 88	0.1910	MEV 1.1688E-02
I 134	1.7900	MEV 5.2644E-03	I 134	1.0000	MEV 5.2644E-03	SR 91	0.5510	MEV 1.4456E-02	TE134	0.1700	MEV 6.7208E-03
LA142	1.7400	MEV 1.1621E-03	I 134	0.9800	MEV 2.1038E-03	CS138	0.5500	MEV 3.7422E-03	KR 88	0.1660	MEV 2.3376E-03
I 135	1.7200	MEV 6.5932E-03	SR141	0.9500	MEV 2.8438E-03	I 134	0.5400	MEV 8.4230E-03	BA139	0.1658	MEV 1.4856E-02
NB 98	1.6800	MEV 4.5684E-03	Y 92	0.9340	MEV 4.2675E-03	I 133	0.5300	MEV 1.3565E-02	TF131	0.1600	MEV 1.6451E-02
I 134	1.6200	MEV 5.2644E-03	Y 94	0.9200	MEV 2.4984E-03	TE131	0.4930	MEV 1.1516E-03	KR 85*	0.1495	MEV 2.8130E-03
KR 88	1.5500	MEV 4.6753E-03	RR 88	0.9100	MEV 4.4187E-03	TE135	0.4700	MEV 1.3120E-03	TC 99*	0.1405	MEV 2.8130E-03
NB 98	1.5200	MEV 1.8246E-03	LA142	0.9000	MEV 1.9007E-03	CS138	0.4626	MEV 1.0759E-02	I 134	0.1350	MEV 3.1586E-03
I 134	1.4900	MEV 1.0529E-03	I 134	0.8900	MEV 7.1596E-03	TE131	0.4530	MEV 3.9483E-03	RH105*	0.1294	MEV 1.9362E-03
I 135	1.4600	MEV 4.1641E-03	RR 88	0.8800	MEV 1.6778E-03	SR 92	0.4400	MEV 2.0396E-03	ND149	0.1140	MEV 1.7403E-03
I 134	1.4600	MEV 4.2115E-03	CS138	0.8700	MEV 1.8711E-03	I 134	0.4300	MEV 3.1586E-03	SM155	0.1050	MEV 3.7003E-03
NB 98	1.4400	MEV 4.5684E-03	I 133	0.8700	MEV 1.2266E-03	I 135	0.4200	MEV 2.3944E-03	TE134	0.0800	MEV 5.4606E-03
CS138	1.4260	MEV 3.4148E-02	I 135	0.8400	MEV 3.8171E-03	CS138	0.4106	MEV 1.4033E-03	KR 88	0.0780	MEV 1.9436E-03
SR 91	1.4130	MEV 1.7143E-03	I 134	0.8600	MEV 5.2644E-03	KR 87	0.4020	MEV 2.2982E-02			
Y 92	1.4000	MEV 1.4513E-03	I 134	0.8500	MEV 1.0529E-01	I 134	0.3900	MEV 7.3702E-03			
SR 92	1.3700	MEV 4.5325E-02	KR 88	0.8500	MEV 7.6140E-03	TE131	0.3840	MEV 1.8096E-03			
I 134	1.3400	MEV 2.1058E-03	KR 87	0.8500	MEV 2.0665E-03	KR 88	0.3600	MEV 1.6363E-03			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 2.6800 MEV TO 0.0280 MEV

IRRADIATION TIME 0.0			DAY 1.000E 00 HR 0.0			MIN 0.0			SEC		
**COOLING TIME ** 0.0			DAY 5.000E 00 HR 0.0			MIN 0.0			SEC		
**TOTAL GAMMA INTENSITY = 1.39848E 09 DPS **											
NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
RR 88	2.6800	MEV 1.4274E-03	NR 98	1.1600	MEV 3.7368E-03	NB 97*	0.7470	MEV 4.0137E-02	NR 98	0.3300	MEV 1.1213E-03
KR 87	2.5700	MEV 3.3227E-03	I 134	1.1500	MEV 5.2164E-03	MO 99	0.7400	MEV 1.5978E-03	RU104	0.3150	MEV 1.3615E-03
LA142	2.5500	MEV 1.9709E-03	ZR 87	1.1500	MEV 1.1898E-03	RU105	0.7250	MEV 5.9906E-03	KR 85*	0.3050	MEV 3.0126E-03
LA142	2.4100	MEV 2.6566E-03	I 135	1.1400	MEV 2.9647E-02	NB 98	0.7200	MEV 9.3421E-03	CF143	0.2930	MEV 3.9772E-03
KR 88	2.4000	MEV 1.7516E-02	I 134	1.0700	MEV 1.5649E-03	I 134	0.6900	MEV 3.6515E-03	ND149	0.2690	MEV 1.1177E-03
KR 88	2.1900	MEV 8.7582E-03	I 134	1.0700	MEV 7.8247E-03	I 132	0.6678	MEV 4.9186E-03	Y 93	0.2670	MEV 3.8327E-03
LA142	2.0600	MEV 1.1141E-03	I 135	1.0400	MEV 7.2114E-03	NR 97	0.6650	MEV 4.3944E-02	RU105	0.2630	MEV 1.2254E-03
LA142	1.9100	MEV 1.5425E-03	SR 91	1.0250	MEV 1.8688E-02	LA142	0.6500	MEV 8.5675E-03	TE134	0.2620	MEV 1.2887E-03
Y 93	1.9000	MEV 1.1498E-03	NR 97	1.0200	MEV 1.3165E-03	SR 91	0.6450	MEV 8.6899E-03	XE135	0.2500	MEV 3.5984E-02
RR 88	1.8500	MEV 1.2975E-02	I 134	1.0000	MEV 2.6082E-03	XE135	0.6100	MEV 1.1129E-03	TF132	0.2300	MEV 6.0905E-03
I 135	1.8000	MEV 8.8140E-03	I 134	0.9600	MEV 1.0433E-03	I 134	0.6100	MEV 9.9112E-03	SR 92	0.2300	MEV 2.5846E-03
I 134	1.7900	MEV 2.6082E-03	Y 93	0.9400	MEV 1.0433E-03	Y 92	0.5600	MEV 2.6443E-03	ND149	0.2100	MEV 1.9613E-03
I 135	1.7200	MEV 1.5224E-02	Y 92	0.9340	MEV 1.3994E-02	Y 91*	0.5510	MEV 3.7558E-02	TE134	0.2040	MEV 1.4243E-03
NR 98	1.6800	MEV 1.2460E-03	SR 91	0.9300	MEV 1.8475E-03	SR 91	0.5510	MEV 3.6719E-02	KR 88	0.1910	MEV 1.7516E-02
I 134	1.6200	MEV 2.6082E-03	RR 88	0.9100	MEV 8.1726E-03	I 134	0.5400	MEV 4.1732E-03	TE134	0.1700	MEV 1.0852E-03
KR 88	1.5500	MEV 7.0065E-03	LA142	0.9000	MEV 1.5425E-03	I 133	0.5300	MEV 3.8714E-02	KR 88	0.1660	MEV 3.5033E-03
I 135	1.4600	MEV 9.6153E-03	I 134	0.8900	MEV 3.5472E-02	RU105	0.4700	MEV 2.5869E-03	BA139	0.1658	MEV 1.0389E-02
I 134	1.4600	MEV 2.0866E-03	I 133	0.8700	MEV 3.6007E-03	Y 92	0.4480	MEV 2.3573E-03	KR 85*	0.1495	MEV 1.4233E-02
NR 98	1.4400	MEV 1.2460E-03	I 135	0.8600	MEV 8.8140E-03	SR 92	0.4400	MEV 2.9822E-03	TC 99*	0.1405	MEV 1.0369E-02
CS138	1.4260	MEV 2.3793E-03	I 134	0.8400	MEV 2.6082E-03	I 134	0.4300	MEV 1.5649E-03	I 134	0.1350	MEV 1.5649E-03
SR 91	1.4130	MEV 4.3543E-03	I 134	0.8500	MEV 5.2164E-02	I 135	0.4200	MEV 5.5288E-03	RH105*	0.1294	MEV 3.8176E-03
Y 92	1.4000	MEV 4.7249E-03	KR 88	0.8500	MEV 1.1411E-02	KR 87	0.4050	MEV 1.4016E-02	ND149	0.1140	MEV 1.7263E-03
ZR 97	1.3700	MEV 6.6271E-02	KR 87	0.8500	MEV 1.2603E-03	I 134	0.3900	MEV 3.6515E-03	SM153	0.1032	MEV 2.8799E-03
I 134	1.3400	MEV 1.0433E-03	PM150	0.8400	MEV 1.1808E-03	GO159	0.3640	MEV 1.8761E-03	TF132	0.0530	MEV 1.1559E-03
PM150	1.3300	MEV 1.4637E-02	Y 92	0.8400	MEV 1.1069E-03	I 131	0.3640	MEV 2.8130E-03	KR 88	0.0780	MEV 2.9127E-03
I 133	1.3000	MEV 1.5486E-02	NR 98	0.7800	MEV 1.2455E-02	KR 88	0.3600	MEV 2.4523E-03			
I 135	1.2800	MEV 2.7243E-02	I 132	0.7730	MEV 3.9316E-03	ZR 97	0.3400	MEV 1.1898E-03			
PM150	1.1700	MEV 1.5109E-03	I 134	0.7700	MEV 3.1299E-03	PM151	0.3399	MEV 1.0807E-03			
			SR 91	0.7480	MEV 1.8039E-02	PM150	0.3330	MEV 4.7218E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 2.4000 MEV TO 0.0270 MEV
 IRRADIATION TIME 0.0 DAY 1.000E 00 HR 0.0 MIN 0.0 SEC
 **COOLING TIME ** 0.0 DAY 1.000E 01 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 6.87783E 08 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
KR 88	2.4000	MEV 1.0330E-02	Y 92	0.9340	MEV 1.7042E-02	I 132	0.6207	MEV 1.2299E-03	CF143	0.2930	MEV 7.2806E-03
KR 88	2.1900	MEV 5.1649E-03	SR 91	0.9300	MEV 2.6250E-03	XE135	0.6100	MEV 2.7312E-03	Y 93	0.2670	MEV 5.5481E-03
Y 93	1.9000	MEV 1.6644E-03	PM148	0.9140	MEV 1.0056E-03	ZR 97	0.6000	MEV 1.1275E-03	RU105	0.2630	MEV 1.1415E-03
RB 88	1.8500	MEV 7.6520E-03	RR 88	0.9100	MEV 4.8196E-03	Y 92	0.5800	MEV 3.2435E-03	XE135	0.2500	MEV 8.8307E-02
I 135	1.8000	MEV 1.0684E-02	I 134	0.8900	MEV 1.8747E-03	PM148	0.5510	MEV 1.8101E-03	ZR 97	0.2500	MEV 1.0570E-03
I 135	1.7200	MEV 1.8454E-02	I 135	0.8700	MEV 6.0352E-03	Y 91*	0.5510	MEV 5.4219E-02	TE132	0.2300	MEV 1.1846E-02
KR 88	1.5500	MEV 4.1319E-03	I 135	0.8600	MEV 1.0684E-02	SR 91	0.5510	MEV 5.2173E-02	SR 92	0.2300	MEV 1.4628E-03
PM148	1.4650	MEV 1.5419E-03	I 134	0.8500	MEV 2.6981E-03	BA140	0.5360	MEV 1.0914E-03	KR 88	0.1910	MEV 1.0330E-02
I 135	1.4600	MEV 1.1655E-02	KR 88	0.8500	MEV 6.7291E-03	I 133	0.5300	MEV 6.6742E-02	MO 99	0.1810	MEV 1.7482E-03
SR 91	1.4150	MEV 6.1869E-03	Y 92	0.8400	MEV 1.3578E-03	RU105	0.4700	MEV 2.4098E-03	PM151	0.1680	MEV 1.0170E-03
Y 92	1.4000	MEV 5.7956E-03	MO 99	0.7800	MEV 1.1312E-03	Y 92	0.4480	MEV 2.8915E-03	KR 88	0.1660	MEV 2.0660E-03
SR 92	1.3700	MEV 3.7507E-02	RR 82	0.7800	MEV 1.1487E-03	SR 92	0.4400	MEV 1.6878E-03	BA139	0.1658	MEV 1.7197E-03
ZR 97	1.3500	MEV 1.9027E-03	I 132	0.7730	MEV 9.1499E-03	I 135	0.4200	MEV 6.7016E-03	KR 85*	0.1495	MEV 1.3155E-02
I 135	1.3000	MEV 2.6697E-02	SR 91	0.7480	MEV 2.5631E-02	KR 87	0.4050	MEV 1.8473E-03	TC 99*	0.1405	MEV 2.0512E-02
I 133	1.2800	MEV 3.3673E-02	NR 27*	0.7470	MEV 6.6560E-02	GD159	0.3640	MEV 3.1465E-03	RH105*	0.1294	MEV 3.5563E-03
I 133	1.2400	MEV 1.3348E-03	MO 99	0.7400	MEV 3.0450E-03	I 131	0.3640	MEV 5.6200E-03	SM153	0.1032	MEV 5.4395E-03
ZR 97	1.1500	MEV 1.9731E-03	RU105	0.7250	MEV 5.5806E-03	KR 88	0.3600	MEV 1.4462E-03	XF133	0.0810	MEV 1.6803E-03
I 135	1.1400	MEV 3.5936E-02	I 133	0.7100	MEV 1.3348E-03	ZR 97	0.3400	MEV 1.9731E-03	SM153	0.0697	MEV 1.0330E-03
I 135	1.0400	MEV 8.7413E-03	I 132	0.6678	MEV 1.1447E-02	PM151	0.3399	MEV 1.9416E-03	CF143	0.0570	MEV 1.7335E-03
SR 91	1.0250	MEV 2.6542E-02	NR 97	0.6650	MEV 7.4131E-02	PM150	0.3330	MEV 2.6598E-03	TE132	0.0430	MEV 2.2482E-03
NR 97	1.0200	MEV 2.2209E-03	IA142	0.6500	MEV 1.8174E-03	RH105	0.3193	MEV 1.0479E-03	KR 88	0.0280	MEV 1.7177E-03
I 132	0.9547	MEV 2.1356E-03	SR 91	0.6450	MEV 1.2347E-02	RU105	0.3150	MEV 1.2683E-03	TE129	0.0270	MEV 1.0854E-03
Y 93	0.9400	MEV 2.1268E-03	I 132	0.6303	MEV 1.5115E-03	KR 85*	0.3050	MEV 2.7866E-03			

Table 3.3.

Relative intensities of γ rays of FP for ^{235}U fissions
by the irradiation of thermal neutrons for 1 day.

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 2.5700 MEV TO 0.0280 MEV
IRRADIATION TIME 1.000E 00 DAY 0.0 HR 0.0 MIN 0.0 SEC
**COOLING TIME ** 1.000E-01 DAY 0.0 HR 0.0 MIN 0.0 SEC
**TOTAL GAMMA INTENSITY = 1.91470E 10 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
KR 87	2.5700 MEV	2.3890E-03	ZR 67	1.1500 MEV	1.5095E-03	I 134	0.6900 MEV	2.9393E-03	KR 85*	0.3050 MEV	2.2221E-03
LA142	2.5500 MEV	1.2821E-03	I 135	1.1400 MEV	2.6424E-02	I 132	0.6678 MEV	9.2507E-03	CE143	0.2930 MEV	5.8442E-03
LA142	2.4100 MEV	1.7282E-03	I 134	1.0700 MEV	2.2597E-03	NR 97	0.6620 MEV	5.6172E-02	Y 93	0.2670 MEV	4.0891E-03
KR 88	2.4000 MEV	1.1075E-02	I 134	1.0700 MEV	6.2986E-03	LA142	0.6200 MEV	5.5734E-03	TE134	0.2620 MEV	1.9657E-03
CS138	2.2100 MEV	1.6473E-03	I 135	1.0400 MEV	6.4276E-03	SR 91	0.6350 MEV	4.0766E-03	XF135	0.2400 MEV	6.4636E-02
KR 88	2.1900 MEV	5.5377E-03	SR 61	1.0250 MEV	1.9511E-02	I 132	0.6303 MEV	1.2215E-03	TE132	0.2300 MEV	9.8831E-03
NR 98	1.9300 MEV	1.0678E-03	NR 67	1.0200 MEV	1.6829E-03	XF135	0.6100 MEV	1.9906E-03	SR 92	0.2300 MEV	1.6230E-03
LA142	1.9100 MEV	1.0034E-03	CS138	1.0100 MEV	2.2879E-03	I 134	0.6100 MEV	7.9782E-03	ND140	0.2100 MEV	1.2198E-03
Y 93	1.9000 MEV	1.2267E-03	I 134	1.0000 MEV	2.0895E-03	Y 92	0.5600 MEV	2.0934E-03	TF134	0.2040 MEV	2.1726E-03
RB 88	1.8500 MEV	8.1989E-03	I 132	0.9547 MEV	1.7259E-03	PM148	0.5510 MEV	1.5293E-03	KR 88	0.1910 MEV	1.1075E-02
I 135	1.8000 MEV	7.8559E-03	Y 93	0.9400 MEV	1.5675E-03	Y 91*	0.5510 MEV	3.9181E-02	MO 99	0.1810 MEV	1.4512E-03
I 134	1.7900 MEV	2.0995E-03	Y 92	0.9340 MEV	1.0999E-02	SR 91	0.5510 MEV	3.8353E-02	TE134	0.1700 MEV	1.6553E-03
I 135	1.7200 MEV	1.3569E-02	SR 61	0.9300 MEV	1.9297E-03	I 134	0.5400 MEV	3.3592E-03	KR 88	0.1660 MEV	2.2151E-03
NR 98	1.6800 MEV	1.3602E-03	RB 88	0.9100 MEV	5.1641E-03	I 133	0.5300 MEV	5.1920E-02	RA139	0.1658 MEV	7.0886E-03
I 134	1.6200 MEV	2.0995E-03	LA142	0.9000 MEV	1.0034E-03	RU105	0.4700 MEV	1.9154E-03	TE131	0.1500 MEV	2.3986E-03
KR 88	1.5500 MEV	4.4302E-03	I 134	0.8900 MEV	2.8553E-02	CS138	0.4646 MEV	2.1049E-03	KR 85*	0.1495 MEV	1.0498E-02
PM148	1.4650 MEV	1.3078E-03	I 133	0.8700 MEV	4.6648E-03	Y 92	0.4480 MEV	1.8662E-03	TC 99*	0.1405 MEV	1.6808E-02
I 135	1.4600 MEV	6.5701E-03	I 135	0.8600 MEV	2.5595E-03	SR 92	0.4430 MEV	1.8727E-03	I 134	0.1350 MEV	1.2597E-03
I 134	1.4600 MEV	1.6746E-03	I 134	0.8600 MEV	2.0895E-03	I 134	0.4300 MEV	1.2597E-03	RD105*	0.1294 MEV	2.8267E-03
NR 98	1.4400 MEV	1.3602E-03	I 134	0.8500 MEV	4.1990E-02	I 135	0.4200 MEV	4.9278E-03	ND149	0.1140 MEV	1.0736E-03
CS138	1.4240 MEV	6.6807E-03	KR 88	0.8500 MEV	7.2149E-03	KR 87	0.4050 MEV	1.0078E-02	SM153	0.1032 MEV	4.4504E-03
SR 91	1.4130 MEV	4.5481E-03	NR 98	0.7800 MEV	1.3596E-02	I 134	0.3900 MEV	2.9393E-03	XE133	0.0810 MEV	1.7662E-03
Y 92	1.4000 MEV	3.7405E-03	I 132	0.7730 MEV	7.3944E-03	GD159	0.3640 MEV	2.6179E-03	TE134	0.0800 MEV	1.3449E-03
SR 92	1.3700 MEV	4.1615E-02	I 134	0.7700 MEV	2.5194E-03	I 131	0.3640 MEV	3.2921E-03	CE143	0.0570 MEV	1.3915E-03
ZR 97	1.3500 MEV	1.4555E-03	SR 61	0.7480 MEV	1.8842E-02	KR 88	0.3600 MEV	1.5506E-03	TE132	0.0530 MEV	1.8757E-03
I 133	1.3000 MEV	2.0768E-02	NR 97*	0.7470 MEV	5.0919E-02	ZR 97	0.3400 MEV	1.5506E-03	KR 88	0.0280 MEV	1.8417E-03
I 135	1.2800 MEV	2.4282E-02	MO 99	0.7400 MEV	2.5610E-03	PM151	0.3399 MEV	1.5422E-03			
I 133	1.2400 MEV	1.0384E-03	RU105	0.7250 MEV	4.4356E-03	PM150	0.3330 MEV	2.9629E-03			
NR 98	1.1600 MEV	4.0791E-03	NR 68	0.7200 MEV	1.0198E-02	NR 98	0.3300 MEV	1.2240E-03			
I 134	1.1500 MEV	4.1990E-03	I 133	0.7100 MEV	1.0384E-03	RU105	0.3120 MEV	1.0081E-03			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 2.4000 MEV TO 0.0270 MEV
IRRADIATION TIME 1.000E 00 DAY 0.0 HR 0.0 MIN 0.0 SEC
**COOLING TIME ** 2.000E-01 DAY 0.0 HR 0.0 MIN 0.0 SEC
**TOTAL GAMMA INTENSITY = 1.32114E 10 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
KR 88	2.4000 MEV	8.8611E-03	I 132	0.9547 MEV	2.5517E-03	SR 91	0.6450 MEV	1.1075E-02	RM105	0.3193 MEV	1.2801E-03
KR 88	2.1900 MEV	4.4305E-03	Y 93	0.9400 MEV	1.9299E-03	I 132	0.6303 MEV	1.8060E-03	RU105	0.3150 MEV	1.0048E-03
Y 93	1.9000 MEV	1.5103E-03	Y 92	0.9340 MEV	1.2441E-02	I 132	0.6207 MEV	1.4695E-03	KR 85*	0.3050 MEV	2.2065E-03
RB 88	1.8500 MEV	6.5640E-03	SR 61	0.9300 MEV	2.3544E-03	XE135	0.6100 MEV	2.8609E-03	CE143	0.2930 MEV	8.0536E-03
I 135	1.8000 MEV	8.8820E-03	PM148	0.9140 MEV	1.2154E-03	I 134	0.6100 MEV	2.3579E-03	Y 93	0.2670 MEV	5.0344E-03
I 135	1.7200 MEV	1.5342E-02	RB 88	0.9100 MEV	4.1344E-03	ZR 97	0.6000 MEV	1.1335E-03	XE135	0.2500 MEV	9.2501E-02
LA140	1.5970 MEV	1.0574E-03	I 134	0.8900 MEV	8.4388E-03	Y 92	0.5600 MEV	2.3678E-03	ZR 97	0.2500 MEV	1.0627E-03
KR 88	1.5500 MEV	3.5444E-03	I 133	0.8700 MEV	6.2860E-03	BR 82	0.5590 MEV	1.0613E-03	TE132	0.2300 MEV	1.4021E-02
PM148	1.4650 MEV	1.8640E-03	I 135	0.8600 MEV	8.8820E-03	PM148	0.5510 MEV	2.1882E-03	SR 92	0.2300 MEV	1.2731E-03
I 134	1.4600 MEV	9.6895E-03	I 134	0.8500 MEV	1.2810E-02	Y 91*	0.5510 MEV	4.8516E-02	KR 88	0.1910 MEV	8.8611E-03
SR 91	1.4130 MEV	5.5494E-03	KR 88	0.8500 MEV	5.7723E-03	SR 91	0.5510 MEV	4.6799E-02	MO 99	0.1810 MEV	2.0517E-03
Y 92	1.4000 MEV	4.2309E-03	MO 99	0.7800 MEV	1.3275E-03	BA140	0.5380 MEV	1.3446E-03	PM151	0.1680 MEV	1.1032E-03
I 132	1.3900 MEV	1.0931E-03	NR 98	0.7800 MEV	2.7835E-03	I 133	0.5300 MEV	6.4515E-02	KR 88	0.1660 MEV	1.7722E-03
SR 92	1.3700 MEV	3.2644E-02	BR 82	0.7800 MEV	1.2801E-03	RU105	0.5000 MEV	1.0732E-03	RA139	0.1658 MEV	3.0820E-03
ZR 97	1.3500 MEV	1.9128E-03	I 132	0.7730 MEV	1.0832E-02	RU105	0.4700 MEV	1.9085E-03	KR 85*	0.1495 MEV	1.0424E-02
I 133	1.3000 MEV	2.7806E-02	SR 61	0.7480 MEV	2.2991E-02	Y 92	0.4480 MEV	1.4690E-03	TC 99*	0.1405 MEV	2.4028E-02
I 135	1.2800 MEV	2.7454E-02	NR 97*	0.7470 MEV	6.6916E-02	SR 92	0.4400 MEV	1.4690E-03	RH105*	0.1294 MEV	2.8165E-03
I 133	1.2400 MEV	1.3903E-03	MO 99	0.7400 MEV	3.6206E-03	I 135	0.4200 MEV	5.5715E-03	SM153	0.1032 MEV	6.2255E-03
I 134	1.1500 MEV	1.2410E-03	RU105	0.7250 MEV	4.4196E-03	KR 87	0.4050 MEV	3.9276E-03	XF133	0.0810 MEV	2.8973E-03
ZR 97	1.1500 MEV	1.9837E-03	NR 98	0.7200 MEV	2.4078E-03	GD159	0.3640 MEV	3.1952E-03	SM153	0.0697 MEV	1.1822E-03
I 135	1.1400 MEV	2.9876E-02	I 133	0.7100 MEV	1.3803E-03	I 131	0.3640 MEV	4.7392E-03	CF143	0.0570 MEV	1.9175E-03
I 134	1.0700 MEV	1.8615E-03	CF143	0.6680 MEV	1.0738E-03	KR 88	0.3600 MEV	1.2403E-03	TE132	0.0530 MEV	2.6611E-03
I 135	1.0400 MEV	7.2671E-03	I 132	0.6678 MEV	1.3677E-02	ZR 97	0.3400 MEV	1.9837E-03	KR 88	0.0280 MEV	1.4735E-03
SR 91	1.0250 MEV	2.3808E-02	NR 97	0.6650 MEV	7.4399E-02	PM151	0.3399 MEV	2.1062E-03	TE129	0.0270 MEV	1.2261E-03
NR 97	1.0200 MEV	2.2249E-03	LA142	0.6500 MEV	2.7796E-03	PM150	0.3330 MEV	2.3189E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 2.4000 MEV TO 0.0270 MEV

IRRADIATION TIME 1.000E+00 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **COOLING TIME ** 5.000E+01 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 8.06462E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
KR 88	2.4000 MEV	2.4421E-03	I 132	0.9547 MEV	4.0537E-03	NB 97	0.6650 MEV	9.1137E-02	RH105	0.3193 MEV	2.0657E-03
KR 88	2.1900 MEV	1.2211E-03	Y 93	0.9400 MEV	1.9387E-03	SR 91	0.6450 MEV	1.0829E-02	KR 85*	0.3050 MEV	1.1627E-03
Y 93	1.9000 MEV	1.5168E-03	Y 93	0.9340 MEV	7.2106E-03	I 132	0.6303 MEV	2.8720E-03	CF143	0.2930 MEV	1.1342E-02
RB 88	1.8500 MEV	1.8091E-03	SR 91	0.9300 MEV	2.3022E-03	I 132	0.6207 MEV	2.3370E-03	Y 93	0.2470 MEV	5.0562E-03
I 135	1.8000 MEV	6.4084E-03	PM148	0.9140 MEV	1.9167E-03	XE135	0.6100 MEV	3.8573E-03	XE135	0.2400 MEV	1.2472E-01
ZR 97	1.7500 MEV	1.0384E-03	RR 88	0.9100 MEV	1.1394E-03	ZR 97	0.6000 MEV	1.3845E-03	ZR 97	0.2500 MEV	1.2980E-03
I 135	1.7200 MEV	1.1933E-02	I 133	0.8700 MEV	8.1195E-03	Y 92	0.5800 MEV	1.3723E-03	TF132	0.2300 MEV	2.1546E-02
LA140	1.5970 MEV	2.2744E-03	I 135	0.8600 MEV	6.4084E-03	BR 82	0.5540 MEV	1.5097E-03	KR 88	0.1910 MEV	2.4421E-03
PM148	1.4650 MEV	2.4387E-03	KR 88	0.8500 MEV	1.5909E-03	PM148	0.5510 MEV	3.4492E-03	MO 99	0.1810 MEV	3.1198E-03
I 135	1.4600 MEV	7.9364E-03	MO 99	0.7800 MEV	2.0187E-03	Y 91*	0.5510 MEV	4.7569E-02	PM151	0.1680 MEV	1.5123E-03
SR 91	1.4130 MEV	3.4267E-03	BR 82	0.7400 MEV	1.8209E-03	SR 91	0.5510 MEV	4.5754E-02	KR 85*	0.1495 MEV	5.4493E-03
Y 92	1.4000 MEV	2.4321E-03	I 132	0.7730 MEV	1.7386E-02	BA140	0.5360 MEV	2.1672E-03	CF141	0.1454 MEV	1.3032E-03
I 132	1.3900 MEV	1.7389E-03	ZR 97	0.7560 MEV	1.2262E-03	I 133	0.5300 MEV	8.9792E-02	TC 99*	0.1405 MEV	3.6634E-02
SR 92	1.3700 MEV	8.4797E-03	SR 91	0.7480 MEV	2.2480E-02	RU103	0.5000 MEV	1.7488E-03	RH105*	0.1294 MEV	1.4494E-03
SR 92	1.3500 MEV	2.3364E-03	NB 97*	0.7470 MEV	8.1733E-02	LA140	0.4870 MEV	1.0933E-03	SM153	0.1032 MEV	9.1713E-03
ZR 97	1.3000 MEV	3.5917E-02	MO 99	0.7400 MEV	5.5055E-03	RU105	0.4700 MEV	1.0160E-03	XE133	0.0810 MEV	6.1010E-03
I 135	1.2800 MEV	2.1353E-02	I 132	0.7280 MEV	1.3536E-03	TF129	0.4550 MEV	1.4468E-03	SM153	0.0697 MEV	1.7416E-03
I 135	1.2800 MEV	1.3536E-03	CF143	0.7250 MEV	1.4042E-03	Y 92	0.4480 MEV	1.2234E-03	CE143	0.0570 MEV	2.7004E-03
I 135	1.2400 MEV	1.7958E-03	RU105	0.7250 MEV	2.3429E-03	I 135	0.4200 MEV	4.3335E-03	TF132	0.0530 MEV	4.0892E-03
ZR 97	1.1500 MEV	2.4229E-03	ZR 95	0.7240 MEV	1.2262E-03	GD159	0.3640 MEV	3.9669E-03	TF129	0.0270 MEV	1.8087E-03
I 135	1.1400 MEV	2.3237E-02	I 133	0.7100 MEV	1.7058E-03	I 131	0.3640 MEV	7.5660E-03			
I 135	1.0400 MEV	5.6523E-03	ZR 97	0.6900 MEV	1.0384E-03	CE143	0.3500 MEV	1.0532E-03			
SR 91	1.0250 MEV	2.3278E-02	CF143	0.6680 MEV	1.5127E-03	ZR 97	0.3400 MEV	2.4229E-03			
NB 97	1.0200 MEV	2.7304E-03	I 132	0.6678 MEV	2.1750E-02	PM151	0.3399 MEV	2.8871E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.9000 MEV TO 0.0270 MEV

IRRADIATION TIME 1.000E+00 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **COOLING TIME ** 1.000E+00 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 4.76405E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
Y 93	1.9000 MEV	1.1360E-03	Y 92	0.9340 MEV	1.5020E-03	I 132	0.6303 MEV	4.3899E-03	CF143	0.2930 MEV	1.4922E-02
I 135	1.8000 MEV	3.3792E-03	SR 91	0.9300 MEV	1.6489E-03	I 132	0.6207 MEV	3.5720E-03	PM151	0.2749 MEV	1.0375E-03
ZR 97	1.7500 MEV	1.0777E-03	PM148	0.9140 MEV	3.0422E-03	BR 82	0.6170 MEV	1.2673E-03	Y 93	0.2670 MEV	3.7867E-03
I 135	1.7200 MEV	5.8368E-03	I 133	0.8700 MEV	9.2494E-03	XE135	0.6100 MEV	3.6349E-03	XE135	0.2500 MEV	1.1753E-01
LA140	1.5970 MEV	5.1235E-03	I 135	0.8600 MEV	3.3792E-03	ZR 97	0.6000 MEV	1.4369E-03	ZR 97	0.2500 MEV	1.3471E-03
PM148	1.4650 MEV	4.6646E-03	LA140	0.8150 MEV	1.1266E-03	BR 82	0.5540 MEV	2.0196E-03	TF132	0.2300 MEV	3.2784E-02
I 135	1.4600 MEV	3.6864E-03	MO 99	0.7800 MEV	3.0183E-03	PM148	0.5510 MEV	5.4759E-03	MO 99	0.1810 MEV	4.6646E-03
SR 91	1.4130 MEV	3.8863E-03	BR 82	0.7800 MEV	2.4359E-03	Y 91*	0.5510 MEV	3.4070E-02	PM151	0.1680 MEV	1.9021E-03
I 132	1.3900 MEV	2.6569E-03	I 132	0.7730 MEV	2.6573E-02	SR 91	0.5510 MEV	3.2773E-02	KR 85*	0.1495 MEV	1.4043E-03
ZR 97	1.3500 MEV	2.4247E-03	ZR 95	0.7560 MEV	2.0647E-03	BA140	0.5360 MEV	3.5706E-03	CE141	0.1454 MEV	2.2225E-03
I 135	1.3000 MEV	4.0915E-02	SR 91	0.7480 MEV	1.6101E-02	I 133	0.5300 MEV	1.0229E-01	TC 99*	0.1405 MEV	3.4776E-02
I 135	1.2800 MEV	1.0445E-02	NB 97*	0.7470 MEV	8.4823E-02	I 132	0.5080 MEV	1.1804E-03	SM153	0.1032 MEV	1.3007E-02
I 132	1.2800 MEV	2.0689E-03	MO 99	0.7400 MEV	8.2316E-03	RU103	0.5000 MEV	2.9347E-03	XE133	0.0810 MEV	1.2799E-02
I 135	1.2400 MEV	2.0458E-03	I 132	0.7280 MEV	2.0689E-03	LA140	0.4870 MEV	2.4629E-03	SM153	0.0697 MEV	2.4701E-03
ZR 97	1.1500 MEV	2.5145E-03	CF143	0.7250 MEV	1.8474E-03	TF129	0.4550 MEV	2.0188E-03	GD159	0.0570 MEV	1.0007E-03
I 135	1.1400 MEV	1.1366E-02	ZR 95	0.7240 MEV	2.0647E-03	I 135	0.4200 MEV	2.1197E-03	CE143	0.0570 MEV	3.5528E-03
I 132	1.1400 MEV	1.1804E-03	I 133	0.7100 MEV	2.0458E-03	GD159	0.3640 MEV	4.2303E-03	TF132	0.0530 MEV	6.2220E-03
I 135	1.0500 MEV	1.0882E-03	ZR 97	0.6900 MEV	1.0777E-03	I 131	0.3640 MEV	1.2268E-02	HA140	0.0300 MEV	1.6006E-03
I 135	1.0400 MEV	2.7648E-03	CF143	0.6680 MEV	1.9896E-03	CE143	0.3500 MEV	1.3856E-03	TF129	0.0270 MEV	2.5239E-03
SR 91	1.0250 MEV	1.6672E-02	I 132	0.6678 MEV	3.3244E-02	ZR 97	0.3400 MEV	2.5145E-03			
NB 97	1.0200 MEV	2.8338E-03	NR 97	0.6650 MEV	9.4588E-02	PM151	0.3399 MEV	3.6312E-03			
I 132	0.9547 MEV	6.2024E-03	SR 91	0.6450 MEV	7.7560E-03	LA140	0.3290 MEV	1.2164E-03			
Y 93	0.9400 MEV	1.4516E-03	I 131	0.6370 MEV	1.0177E-03	RH105	0.3193 MEV	2.9290E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.7200 MEV TO 0.0270 MEV

IRRADIATION TIME 1.000E 00 DAY 0.0

HR 0.0

MIN 0.0

SEC

**COOLING TIME ** 2.000E 00 DAY 0.0

HR 0.0

MIN 0.0

SEC

**TOTAL GAMMA INTENSITY = 2.28817E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
I 135	1.7200 MEV	1.0147E-03	MO 99	0.7800 MEV	4.9024E-03	PM148	0.5510 MEV	1.0028E-02	I 131	0.2840 MEV	1.5473E-03
LA140	1.5970 MEV	1.4267E-02	RR 82	0.7800 MEV	3.1675E-03	Y 91*	0.5510 MEV	1.2698E-02	PM151	0.2749 MEV	1.1925E-03
PM148	1.4650 MEV	8.5420E-03	I 132	0.7730 MEV	4.4706E-02	SR 91*	0.5510 MEV	1.2215E-02	Y 93	0.2670 MEV	1.5432E-03
I 132	1.4400 MEV	1.4875E-03	ZR 95	0.7560 MEV	4.2531E-03	RA140	0.5300 MEV	7.0423E-03	XE135	0.2500 MEV	5.3495E-02
SR 91	1.4190 MEV	1.4485E-03	SR 91	0.7480 MEV	6.0008E-03	I 133	0.5300 MEV	9.6444E-02	ZR 97	0.2500 MEV	1.0541E-03
I 132	1.3900 MEV	4.4699E-03	NR 97*	0.7470 MEV	0.6377E-02	I 132	0.5230 MEV	1.2644E-03	TE132	0.2300 MEV	5.5147E-02
ZR 97	1.3500 MEV	1.8974E-03	MO 99	0.7400 MEV	1.3370E-02	I 132	0.5080 MEV	1.9858E-03	MO 99	0.1810 MEV	7.5765E-03
RR 82	1.3200 MEV	1.2015E-03	I 132	0.7280 MEV	3.4807E-03	RU103	0.5000 MEV	6.0041E-03	PM151	0.1680 MEV	2.1862E-03
I 133	1.3000 MEV	3.8578E-02	CF143	0.7250 MEV	2.3234E-03	LA140	0.4870 MEV	6.8584E-03	RA140	0.1620 MEV	1.9427E-03
I 135	1.2800 MEV	1.8157E-03	ZR 95	0.7240 MEV	4.2531E-03	TE129	0.4550 MEV	2.8547E-03	CE141	0.1454 MEV	4.5419E-03
I 132	1.2800 MEV	3.4807E-03	I 133	0.7100 MEV	1.0289E-03	RA140	0.4360 MEV	1.2142E-03	CF143	0.1430 MEV	1.1617E-03
I 133	1.2400 MEV	1.9289E-03	BR 82	0.7000 MEV	1.0115E-03	MO 99	0.3720 MEV	1.4484E-03	TC 99*	0.1405 MEV	8.8970E-02
ZR 97	1.1500 MEV	1.9677E-03	CF143	0.6680 MEV	2.5021E-03	GN199	0.3640 MEV	3.4952E-03	SM153	0.1032 MEV	1.9009E-02
I 135	1.1400 MEV	1.9759E-03	I 132	0.6678 MEV	5.5930E-02	I 131	0.3640 MEV	2.3435E-02	XE133	0.0810 MEV	3.0420E-02
I 132	1.1400 MEV	1.8858E-03	NR 97	0.6650 MEV	7.4018E-02	CE143	0.3500 MEV	1.7426E-03	SM153	0.0697 MEV	3.6098E-03
I 133	1.0500 MEV	1.0260E-03	SR 91	0.6450 MEV	2.8907E-03	ZR 97	0.3400 MEV	1.9677E-03	CE143	0.0570 MEV	4.4681E-03
SR 91	1.0250 MEV	6.2139E-03	I 131	0.6370 MEV	1.9440E-03	PM151	0.3399 MEV	4.1736E-03	TF132	0.0530 MEV	1.0466E-02
NB 97	1.0200 MEV	2.2175E-03	I 132	0.6303 MEV	7.3854E-03	LA140	0.3290 MEV	3.3875E-03	MO 99	0.0400 MEV	1.1142E-03
I 132	0.9547 MEV	1.0435E-02	I 132	0.6207 MEV	6.0095E-03	RH105	0.3193 MEV	3.8838E-03	RA140	0.0300 MEV	3.1569E-03
LA140	0.9240 MEV	1.6687E-03	BR 82	0.6170 MEV	1.6479E-03	RH105	0.3063 MEV	1.0221E-03	TE129	0.0270 MEV	3.5689E-03
PM148	0.9140 MEV	5.5708E-03	XF145	0.6100 MEV	1.6545E-03	RA140	0.3040 MEV	1.6999E-03			
I 133	0.8700 MEV	8.7210E-03	ZR 97	0.6000 MEV	1.1244E-03	CE143	0.2930 MEV	1.8766E-02			
LA140	0.8150 MEV	3.1377E-03	RR 82	0.5540 MEV	2.4261E-03	PM149	0.2857 MEV	1.1708E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 3.1300 MEV TO 0.0270 MEV

IRRADIATION TIME 1.000E 00 DAY 0.0

HR 0.0

MIN 0.0

SEC

**COOLING TIME ** 5.000E 00 DAY 0.0

HR 0.0

MIN 0.0

SEC

**TOTAL GAMMA INTENSITY = 8.15922E 08 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	1.7245E-03	I 132	0.7730 MEV	6.6120E-02	I 133	0.5300 MEV	2.5119E-02	I 132	0.2630 MEV	1.4740E-03
LA140	2.5300 MEV	2.2994E-03	NR 95	0.7645 MEV	3.8814E-03	I 132	0.5230 MEV	1.8700E-03	TE132	0.2300 MEV	8.1561E-02
LA140	1.5970 MEV	4.9149E-02	ZR 95	0.7560 MEV	1.1552E-02	I 132	0.5080 MEV	2.9370E-03	MO 99	0.1810 MEV	1.0088E-02
PM148	1.4650 MEV	1.6299E-02	LA140	0.7520 MEV	2.8742E-03	RU103	0.5000 MEV	1.5976E-03	PM151	0.1680 MEV	1.0314E-03
I 132	1.4400 MEV	2.2000E-03	NR 97*	0.7470 MEV	9.8832E-03	LA140	0.4870 MEV	2.3626E-02	RA140	0.1620 MEV	4.6312E-03
I 132	1.3900 MEV	6.6109E-03	MO 99	0.7400 MEV	1.0210E-02	SB127	0.4600 MEV	1.0320E-03	CE141	0.1454 MEV	1.1960E-02
I 132	1.3600 MEV	1.4740E-03	I 132	0.7280 MEV	5.1479E-03	TE129	0.4550 MEV	2.5082E-03	TC 99*	0.1405 MEV	1.1844E-01
I 133	1.3000 MEV	1.0048E-02	CE143	0.7250 MEV	1.4361E-03	LA140	0.4360 MEV	1.3796E-03	SM153	0.1032 MEV	1.8435E-02
I 132	1.2800 MEV	5.1479E-03	ZR 95	0.7240 MEV	1.1552E-02	BA140	0.4360 MEV	2.8945E-03	XF133	0.0810 MEV	1.9778E-02
I 132	1.1400 MEV	2.9370E-03	CE143	0.6680 MEV	1.5465E-03	MO 99	0.3720 MEV	1.9286E-03	I 131	0.0800 MEV	1.5722E-03
I 132	1.1380 MEV	1.4740E-03	I 132	0.6678 MEV	8.2719E-02	I 131	0.3640 MEV	3.0760E-02	SM153	0.0697 MEV	2.7617E-03
I 132	0.9547 MEV	1.9433E-02	NB 97	0.6650 MEV	1.1021E-02	CE143	0.3500 MEV	1.0770E-03	CE143	0.0570 MEV	4.4681E-03
LA140	0.9240 MEV	5.7484E-03	I 131	0.6370 MEV	4.2107E-03	PM151	0.3399 MEV	1.9691E-03	TF132	0.0530 MEV	1.5479E-02
PM148	0.9140 MEV	1.0630E-02	I 132	0.6303 MEV	1.0923E-02	LA140	0.3290 MEV	1.1669E-02	MO 99	0.0400 MEV	1.1142E-03
I 133	0.8700 MEV	2.2714E-03	I 132	0.6207 MEV	8.8879E-03	RH105	0.3193 MEV	2.7137E-03	RA140	0.0300 MEV	3.1569E-03
LA140	0.8680 MEV	2.8742E-03	BR 82	0.6170 MEV	1.1258E-03	BA140	0.3063 MEV	4.0523E-03	TE129	0.0270 MEV	3.1356E-03
LA140	0.8150 MEV	1.0807E-02	RR 82	0.5540 MEV	1.7941E-03	CE143	0.2930 MEV	1.1599E-02			
MO 99	0.7800 MEV	6.5275E-03	PM148	0.5510 MEV	1.9133E-02	PM149	0.2857 MEV	1.2828E-03			
RR 82	0.7800 MEV	2.1640E-03	RA140	0.5360 MEV	1.6784E-02	I 131	0.2840 MEV	3.3515E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 3.1300 MEV TO 0.0257 MEV

IRRADIATION TIME 1.000E 00 DAY 0.0

HR 0.0

MIN 0.0

SEC

**COOLING TIME ** 1.000E 01 DAY 0.0

HR 0.0

MIN 0.0

SEC

**TOTAL GAMMA INTENSITY = 3.67947E 08 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	3.3034E-03	I 132	0.7730 MEV	5.0474E-02	I 132	0.5230 MEV	1.4275E-03	CE141	0.1454 MEV	2.3877E-02
LA140	2.5300 MEV	4.4045E-03	NR 95	0.7645 MEV	1.2577E-02	I 132	0.5080 MEV	2.2420E-03	TC 99*	0.1405 MEV	7.5906E-02
LA140	1.5970 MEV	9.4147E-02	ZR 95	0.7560 MEV	2.4286E-02	RU103	0.5000 MEV	3.2459E-02	RA140	0.1320 MEV	1.6647E-03
PM148	1.4650 MEV	1.9023E-02	LA140	0.7520 MEV	5.5057E-03	LA140	0.4870 MEV	4.5257E-02	SM153	0.1032 MEV	6.9649E-03
I 132	1.4400 MEV	1.6794E-03	MO 99	0.7400 MEV	1.1407E-02	LA140	0.4360 MEV	2.6427E-03	ND147	0.0910 MEV	1.4708E-03
I 132	1.3900 MEV	5.0466E-03	I 132	0.7280 MEV	3.9298E-03	BA140	0.4360 MEV	4.8960E-03	XE133	0.0810 MEV	8.2336E-02
I 132	1.3600 MEV	1.1242E-03	ZR 95	0.7240 MEV	2.4286E-02	MO 99	0.3720 MEV	1.2358E-03	I 131	0.0800 MEV	2.2667E-03
I 132	1.2800 MEV	3.9298E-03	I 131	0.7230 MEV	1.3881E-03	I 131	0.3640 MEV	7.3183E-02	SM153	0.0697 MEV	1.3227E-03
I 132	1.1400 MEV	2.2470E-03	I 132	0.6678 MEV	6.3145E-02	LA140	0.3290 MEV	2.2353E-02	TF132	0.0530 MEV	1.1817E-02
I 132	1.1380 MEV	1.1252E-03	I 131	0.6370 MEV	6.0704E-03	BA140	0.3040 MEV	6.8545E-03	RA140	0.0300 MEV	1.2730E-02
I 132	0.9547 MEV	1.1781E-02	I 132	0.6303 MEV	8.3382E-03	CE143	0.2930 MEV	2.0683E-03	TE129	0.0270 MEV	1.0049E-03
LA140	0.9240 MEV	1.1011E-02	I 132	0.6207 MEV	6.7848E-03	I 131	0.2840 MEV	4.8320E-03	TR161	0.0257 MEV	1.0147E-03
PM148	0.9140 MEV	1.2404E-02	RU103	0.6100 MEV	1.8428E-03	I 132	0.2630 MEV	1.1252E-03			
LA140	0.8680 MEV	5.5057E-03	PM148	0.5510 MEV	2.2331E-02	TE132	0.2300 MEV	6.2261E-02			
LA140	0.8150 MEV	2.0701E-02	RA140	0.5360 MEV	2.8397E-02	MO 99	0.1810 MEV	6.4640E-03			
MO 99	0.7800 MEV	4.1826E-03	I 133	0.5300 MEV	1.0409E-03	BA140	0.1620 MEV	7.8337E-03			

Table 3.4.

Relative intensities of γ rays of FP for ^{235}U fissions
by the irradiations of thermal neutrons for 1 week.

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 1.8000 MEV TO 0.0270 MEV

IRRADIATION TIME 7.000E 00 DAY 0.0

HR 0.0

MIN 0.0

SEC

**COOLING TIME ** 7.000E-01 DAY 0.0

HR 0.0

MIN 0.0

SEC

**TOTAL GAMMA INTENSITY = 1.40733E 10 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
I 135	1.8000 MEV	2.6288E-03	PM148	0.9140 MEV	5.2669E-03	I 132	0.6207 MEV	5.2027E-03	RH105	0.3193 MEV	2.9503E-03
I 135	1.7200 MEV	4.5407E-03	I 133	0.8700 MEV	7.2295E-03	RR 82	0.6170 MEV	1.2671E-03	BA140	0.3040 MEV	1.7749E-03
LA140	1.5970 MEV	1.7474E-02	LA140	0.8680 MEV	1.0219E-03	XE135	0.6100 MEV	2.3307E-03	CF143	0.2930 MEV	1.4404E-02
PM148	1.4650 MEV	8.0759E-03	I 135	0.8600 MEV	2.6288E-03	ZR 97	0.6000 MEV	1.0441E-03	I 131	0.2840 MEV	1.5118E-03
I 135	1.4600 MEV	2.8678E-03	LA160	0.8190 MEV	3.4027E-03	RR 82	0.5540 MEV	2.0194E-03	Y 99	0.2670 MEV	2.5998E-03
I 132	1.4400 MEV	1.2878E-03	MO 99	0.7800 MEV	4.1259E-03	PM148	0.5510 MEV	9.4804E-03	XE135	0.2500 MEV	7.5360E-02
SR 91	1.4130 MEV	2.6848E-03	RR 82	0.7800 MEV	2.4357E-03	Y 91*	0.5510 MEV	2.3537E-02	TF132	0.2300 MEV	4.7756E-02
I 132	1.3900 MEV	3.8698E-03	I 132	0.7730 MEV	3.8704E-02	SR 91	0.5510 MEV	2.2641E-02	MO 99	0.1810 MEV	6.3764E-03
SR 97	1.3700 MEV	1.4266E-03	NR 95	0.7645 MEV	1.3470E-03	RA140	0.5360 MEV	7.3530E-03	PM151	0.1680 MEV	1.6910E-03
ZR 97	1.3500 MEV	1.7619E-03	ZR 95	0.7560 MEV	4.7547E-03	I 133	0.5300 MEV	7.9950E-02	RA140	0.1620 MEV	2.0284E-03
I 133	1.3000 MEV	3.1980E-02	LA160	0.7520 MEV	1.0219E-03	I 132	0.5230 MEV	1.0946E-03	KR 85*	0.1495 MEV	1.5129E-03
I 135	1.2800 MEV	8.1255E-03	SR 91	0.7480 MEV	1.1123E-02	I 132	0.5080 MEV	1.7192E-03	CF141	0.1454 MEV	4.9859E-03
I 132	1.2800 MEV	3.0134E-03	NR 97*	0.7470 MEV	6.1637E-02	RU103	0.5000 MEV	6.6371E-03	TC 99*	0.1405 MEV	7.4877E-02
I 133	1.2400 MEV	1.5990E-03	MO 99	0.7400 MEV	1.1252E-03	LA140	0.4870 MEV	8.3998E-03	SM153	0.1032 MEV	1.5047E-02
ZR 97	1.1500 MEV	1.8272E-03	I 132	0.7280 MEV	3.0134E-03	TE129	0.4550 MEV	2.7528E-03	XE133	0.0810 MEV	2.9503E-02
I 135	1.1400 MEV	8.8424E-03	CE143	0.7250 MEV	1.7834E-03	BA140	0.4360 MEV	1.2678E-03	SM153	0.0697 MEV	2.8575E-03
I 132	1.1400 MEV	1.7192E-03	ZR 95	0.7240 MEV	4.7547E-03	I 135	0.4200 MEV	1.6490E-03	CF143	0.0570 MEV	3.4296E-03
I 135	1.0400 MEV	2.1509E-03	I 133	0.7100 MEV	5.9900E-03	MO 99	0.3720 MEV	1.2190E-03	TE132	0.0530 MEV	9.0637E-03
SR 91	1.0250 MEV	1.1518E-02	CF143	0.6680 MEV	1.9206E-03	GD159	0.3640 MEV	3.1279E-03	RA140	0.0300 MEV	3.2962E-03
NR 97	1.0200 MEV	2.0592E-03	I 132	0.6678 MEV	4.8421E-02	I 131	0.3640 MEV	2.2898E-02	TE129	0.0270 MEV	2.7914E-03
I 132	0.9547 MEV	9.0338E-03	NR 97	0.6650 MEV	6.8733E-02	CE143	0.3500 MEV	1.3376E-03			
Y 92	0.9340 MEV	1.8655E-03	SR 91	0.6450 MEV	5.3582E-03	ZR 97	0.3400 MEV	1.6272E-03			
SR 91	0.9300 MEV	1.1391E-03	I 131	0.6370 MEV	1.8994E-03	PM151	0.3399 MEV	3.2282E-03			
LA140	0.9240 MEV	2.0438E-03	I 132	0.6303 MEV	6.3939E-03	LA140	0.3290 MEV	4.1488E-03			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 2.5300 MEV TO 0.0270 MEV

IRRADIATION TIME 7.000E 00 DAY 0.0

HR 0.0

MIN 0.0

SEC

**COOLING TIME ** 1.400E 00 DAY 0.0

HR 0.0

MIN 0.0

SEC

**TOTAL GAMMA INTENSITY = 9.33795E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	2.5300 MEV	1.2991E-03	I 133	0.8700 MEV	6.2579E-03	RR 82	0.6170 MEV	1.3736E-03	CF143	0.2930 MEV	1.5254E-02
I 135	1.7200 MEV	1.2035E-03	LA140	0.8680 MEV	1.6238E-03	XE135	0.6100 MEV	1.2981E-03	PM149	0.2857 MEV	1.1437E-03
LA140	1.5970 MEV	2.7767E-02	LA140	0.8150 MEV	6.1056E-03	RR 82	0.5540 MEV	2.1890E-03	I 131	0.2840 MEV	2.1492E-03
PM148	1.4650 MEV	1.1125E-02	MO 99	0.7800 MEV	5.2261E-03	PM148	0.5510 MEV	1.3060E-02	Y 99	0.2670 MEV	1.2510E-03
I 132	1.4400 MEV	1.6721E-03	RR 82	0.7800 MEV	2.6403E-03	Y 91*	0.5510 MEV	1.0639E-02	I 132	0.2630 MEV	1.1203E-03
SR 91	1.4130 MEV	1.2136E-03	I 132	0.7730 MEV	3.0256E-02	SR 91	0.5510 MEV	1.0234E-02	XE135	0.2500 MEV	4.1972E-02
I 132	1.3900 MEV	5.0248E-03	NR 95	0.7645 MEV	2.7159E-03	BA140	0.5360 MEV	1.0670E-02	TF132	0.2300 MEV	6.1992E-02
I 132	1.3600 MEV	1.1203E-03	ZR 95	0.7560 MEV	7.1125E-03	I 133	0.5300 MEV	6.9205E-02	MO 99	0.1810 MEV	8.0767E-03
ZR 97	1.3500 MEV	1.3386E-03	LA140	0.7520 MEV	1.6238E-03	I 132	0.5230 MEV	1.4213E-03	PM151	0.1680 MEV	1.6814E-03
RR 82	1.3200 MEV	1.0015E-03	SR 91	0.7480 MEV	5.0778E-03	I 132	0.5080 MEV	2.2523E-03	BA140	0.1620 MEV	2.9433E-03
I 133	1.3000 MEV	2.7682E-02	NR 97*	0.7470 MEV	4.6827E-02	RU103	0.5000 MEV	9.8810E-03	CF141	0.1454 MEV	7.4139E-03
I 135	1.2800 MEV	2.1536E-03	MO 99	0.7400 MEV	1.4253E-02	LA140	0.4870 MEV	1.3348E-02	TC 99*	0.1405 MEV	9.4845E-02
I 132	1.2800 MEV	3.9128E-03	I 132	0.7280 MEV	3.9128E-03	TE129	0.4550 MEV	2.7668E-03	SM153	0.1032 MEV	1.7701E-02
I 133	1.2400 MEV	1.3841E-03	CE143	0.7250 MEV	1.8868E-03	BA140	0.4360 MEV	1.8396E-03	XE133	0.0810 MEV	4.3734E-02
ZR 97	1.1500 MEV	1.3882E-03	ZR 95	0.7240 MEV	1.1252E-03	MO 99	0.3720 MEV	1.8441E-03	I 131	0.0800 MEV	1.0063E-03
I 135	1.1400 MEV	2.3436E-03	I 133	0.7100 MEV	1.3841E-03	GD159	0.3640 MEV	2.4685E-03	SM153	0.0697 MEV	3.3614E-03
I 132	1.1400 MEV	2.7323E-03	CF143	0.6680 MEV	2.0339E-03	I 131	0.3640 MEV	3.7491E-02	CF143	0.0570 MEV	3.6320E-03
I 132	1.1380 MEV	1.1203E-03	I 132	0.6678 MEV	6.2873E-02	CE143	0.3500 MEV	1.4165E-03	TE132	0.0530 MEV	1.1766E-02
SR 91	1.0250 MEV	1.2064E-03	NR 97	0.6650 MEV	5.2218E-02	ZR 97	0.3400 MEV	1.3882E-03	MO 99	0.0400 MEV	1.1878E-03
NR 97	1.0200 MEV	1.5644E-03	SR 91	0.6450 MEV	2.4220E-03	PM151	0.3399 MEV	3.2099E-03	BA140	0.0300 MEV	4.7829E-03
I 132	0.9547 MEV	1.1730E-02	I 131	0.6370 MEV	2.6952E-03	LA140	0.3290 MEV	6.5927E-03	TE129	0.0270 MEV	3.2089E-03
LA140	0.9240 MEV	3.2476E-03	I 132	0.6303 MEV	8.3022E-03	RH105	0.3193 MEV	3.2537E-03			
PM148	0.9140 MEV	2.2556E-03	I 132	0.6207 MEV	6.7555E-03	BA140	0.3040 MEV	2.5754E-03			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 3.1300 MEV TO 0.0270 MEV

IRRADIATION TIME 7.000E 00 DAY 0.0

HR 0.0

MIN 0.0

SEC

**COOLING TIME ** 3.500E 00 DAY 0.0

HR 0.0

MIN 0.0

SEC

**TOTAL GAMMA INTENSITY = 4.82227E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	1.9547E-03	I 132	0.7730 MEV	6.2184E-02	I 133	0.5300 MEV	2.5390E-02	TE132	0.2300 MEV	7.6705E-03
LA140	2.5300 MEV	2.6063E-03	NR 95	0.7645 MEV	5.2615E-02	I 132	0.5230 MEV	1.7587E-03	MO 99	0.1810 MEV	9.2851E-03
LA140	1.5970 MEV	5.9709E-02	ZR 95	0.7560 MEV	1.3468E-02	I 132	0.5080 MEV	2.7621E-03	RA140	0.1620 MEV	5.0869E-03
PM148	1.4650 MEV	1.6453E-02	LA140	0.7520 MEV	3.2578E-03	RU103	0.5000 MEV	1.8443E-02	CF141	0.1454 MEV	1.3738E-02
I 132	1.4400 MEV	2.0690E-03	NR 97*	0.7470 MEV	1.1615E-02	LA140	0.4870 MEV	2.6779E-02	TC 99*	0.1405 MEV	1.0903E-01
I 132	1.3900 MEV	6.2173E-03	MO 99	0.7400 MEV	1.6385E-02	TE129	0.4550 MEV	2.2057E-03	BA140	0.1320 MEV	1.0810E-03
I 132	1.3600 MEV	1.3862E-03	I 132	0.7280 MEV	4.8415E-03	LA140	0.4360 MEV	1.5638E-03	SM153	0.1032 MEV	1.6300E-02
I 133	1.3000 MEV	1.0156E-02	CE143	0.7250 MEV	1.2688E-03	BA140	0.3660 MEV	3.1793E-03	XE133	0.0810 MEV	7.0210E-02
I 132	1.2800 MEV	4.8415E-03	ZR 95	0.7240 MEV	1.3468E-02	MO 99	0.3720 MEV	1.7751E-03	I 131	0.0800 MEV	1.6263E-03
I 132	1.1400 MEV	2.7621E-03	CE143	0.6680 MEV	1.3664E-03	I 131	0.3640 MEV	5.2508E-02	SM153	0.0697 MEV	3.0954E-03
I 132	1.1380 MEV	1.3862E-03	I 132	0.6678 MEV	7.7794E-02	PM151	0.3399 MEV	1.7850E-03	CF143	0.0570 MEV	2.4400E-03
I 132	0.9547 MEV	1.4514E-02	NR 97	0.6650 MEV	1.2952E-02	LA140	0.3290 MEV	1.3227E-02	TE132	0.0530 MEV	1.4558E-02
LA140	0.9240 MEV	6.5157E-03	I 131	0.6370 MEV	4.3557E-03	RH105	0.3193 MEV	2.3842E-03	MO 99	0.0400 MEV	1.3655E-03
PM148	0.9140 MEV	1.0730E-02	I 132	0.6303 MEV	1.0273E-02	BA140	0.3040 MEV	4.4510E-03	BA140	0.0300 MEV	8.2662E-03
I 133	0.8700 MEV	2.2959E-03	I 132	0.6207 MEV	8.3588E-03	CF143	0.2930 MEV	1.0248E-02	TE129	0.0270 MEV	2.7575E-03
LA140	0.8680 MEV	3.2578E-03	RU103	0.6100 MEV	1.0471E-03	PM149	0.2857 MEV	1.1470E-03			
LA140	0.8150 MEV	1.2249E-02	RR 82	0.5540 MEV	1.5774E-03	I 131	0.2840 MEV	3.4669E-03			
MO 99	0.7800 MEV	6.0080E-03	PM148	0.5510 MEV	1.9314E-02	I 132	0.2630 MEV	1.3862E-03			
RR 82	0.7800 MEV	1.9026E-03	BA140	0.5360 MEV	1.8440E-02	XE135	0.2500 MEV	2.3652E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 3.1300 MEV TO 0.0270 MEV

IRRADIATION TIME 7.000E 00 DAY 0.0
 **COOLING TIME ** 7.000E 00 DAY 0.0
 **TOTAL GAMMA INTENSITY = 2.70677E 09 DPS **

HR 0.0 MIN 0.0 SEC
 HR 0.0 MIN 0.0 SEC

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	3.1347E-03	MO 99	0.7800 MEV	4.4886E-03	I 133	0.5300 MEV	2.8270E-03	MO 99	0.1810 MEV	6.9369E-03
LA140	2.5300 MEV	4.1795E-03	I 132	0.7730 MEV	5.2516E-02	I 132	0.5230 MEV	1.4852E-03	RA140	0.1620 MEV	7.4979E-03
LA140	1.5970 MEV	8.9338E-02	NR 95	0.7645 MEV	1.1921E-02	I 132	0.5080 MEV	2.3327E-03	CE141	0.1454 MEV	2.2740E-02
PM148	1.4650 MEV	1.8704E-02	ZR 95	0.7560 MEV	2.3115E-02	RU103	0.5000 MEV	3.0905E-02	TC 99*	0.1405 MEV	8.1460E-02
I 132	1.4400 MEV	1.7473E-03	LA140	0.7520 MEV	5.2244E-01	LA140	0.4870 MEV	4.2945E-02	RA140	0.1370 MEV	1.5933E-03
I 132	1.3900 MEV	5.2507E-03	MO 99	0.7400 MEV	1.2742E-02	TE129	0.4550 MEV	1.0146E-03	SM153	0.1032 MEV	8.4136E-03
I 132	1.3600 MEV	1.1707E-03	I 132	0.7280 MEV	4.0887E-03	LA140	0.4360 MEV	2.5077E-03	ND147	0.0910 MEV	1.4105E-03
I 133	1.3000 MEV	1.1308E-03	ZR 95	0.7240 MEV	2.3115E-02	BA140	0.4360 MEV	4.6862E-03	XE133	0.0810 MEV	6.0946E-02
I 132	1.2800 MEV	4.0887E-03	I 131	0.7230 MEV	1.3127E-03	MO 99	0.3720 MEV	1.3262E-03	I 131	0.0800 MEV	2.1435E-03
I 132	1.1400 MEV	2.3327E-03	I 132	0.6678 MEV	6.5699E-02	I 131	0.3640 MEV	6.9206E-02	SM153	0.0697 MEV	1.5978E-03
I 132	1.1380 MEV	1.1707E-03	I 131	0.6370 MEV	5.7409E-03	LA140	0.3290 MEV	2.1211E-02	TF132	0.0530 MEV	1.2294E-02
I 132	0.9547 MEV	1.2257E-02	I 132	0.6303 MEV	8.6754E-03	BA140	0.3040 MEV	6.5607E-03	MO 99	0.0400 MEV	1.0201E-03
LA140	0.9240 MEV	1.0449E-02	I 132	0.6207 MEV	7.0592E-03	CE143	0.2930 MEV	3.1273E-03	RA140	0.0300 MEV	1.2184E-02
PM148	0.9140 MEV	1.2198E-02	RU103	0.6100 MEV	1.7536E-03	I 131	0.2840 MEV	4.5695E-03	TE129	0.0270 MEV	1.2684E-03
LA140	0.8680 MEV	5.2244E-03	PM148	0.5510 MEV	2.1956E-02	I 132	0.2630 MEV	1.1707E-03			
LA140	0.8150 MEV	1.9644E-02	BA140	0.5360 MEV	2.7180E-02	TE132	0.2300 MEV	6.4779E-02			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 3.1300 MEV TO 0.0257 MEV

IRRADIATION TIME 7.000E 00 DAY 0.0
 **COOLING TIME ** 1.400E 01 DAY 0.0
 **TOTAL GAMMA INTENSITY = 1.29874E 09 DPS **

HR 0.0 MIN 0.0 SEC
 HR 0.0 MIN 0.0 SEC

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	4.6039E-03	NR 95	0.7645 MEV	3.3882E-02	RA140	0.5360 MEV	3.8775E-02	CE141	0.1454 MEV	4.0914E-02
LA140	2.5300 MEV	6.1385E-03	ZR 95	0.7560 MEV	4.4710E-02	I 132	0.5080 MEV	1.0925E-03	TC 99*	0.1405 MEV	2.9856E-02
LA140	1.5970 MEV	1.3121E-01	LA140	0.7520 MEV	7.6732E-03	RU103	0.5000 MEV	5.6984E-02	RA140	0.1370 MEV	2.2730E-03
PM148	1.4650 MEV	1.3871E-02	MO 99	0.7400 MEV	4.4886E-03	LA140	0.4870 MEV	6.3073E-02	SM153	0.1032 MEV	1.4719E-03
I 132	1.3900 MEV	2.4590E-03	I 132	0.7280 MEV	1.4973E-03	PM148	0.4530 MEV	1.0708E-03	ND147	0.0910 MEV	1.8987E-03
I 132	1.3600 MEV	1.9149E-03	ZR 95	0.7240 MEV	4.4710E-02	LA140	0.4360 MEV	3.6831E-03	FU155	0.0865 MEV	1.5303E-03
I 132	1.1400 MEV	1.0925E-03	I 131	0.7230 MEV	1.4973E-03	BA140	0.4360 MEV	6.8854E-03	XE133	0.0810 MEV	6.7367E-02
I 132	0.9547 MEV	1.7403E-03	I 132	0.6678 MEV	3.0769E-02	I 131	0.3640 MEV	7.8942E-02	I 131	0.0800 MEV	2.4450E-03
LA140	0.9240 MEV	1.5346E-02	I 131	0.6370 MEV	6.5485E-03	LA140	0.3290 MEV	3.1153E-02	TE132	0.0530 MEV	5.7579E-03
PM148	0.9140 MEV	1.0351E-02	I 132	0.6303 MEV	4.0629E-03	SA140	0.3040 MEV	9.3595E-03	RA140	0.0300 MEV	1.7362E-02
LA140	0.8680 MEV	1.0925E-03	I 132	0.6207 MEV	3.3060E-03	I 131	0.2840 MEV	5.2123E-03	TR161	0.0257 MEV	1.0163E-03
LA140	0.8150 MEV	2.8851E-02	RU103	0.6100 MEV	3.7352E-03	TE132	0.2300 MEV	3.0338E-02			
MO 99	0.7800 MEV	1.6451E-03	PM148	0.5510 MEV	1.8637E-02	MO 99	0.1810 MEV	2.5425E-03			
I 132	0.7730 MEV	2.4595E-02	RU103	0.5360 MEV	1.2954E-03	BA140	0.1620 MEV	1.0697E-02			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 3.1300 MEV TO 0.0300 MEV

IRRADIATION TIME 7.000E 00 DAY 0.0
 **COOLING TIME ** 3.900E 01 DAY 0.0
 **TOTAL GAMMA INTENSITY = 4.55110E 08 DPS **

HR 0.0 MIN 0.0 SEC
 HR 0.0 MIN 0.0 SEC

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	4.2242E-03	PM148	0.7490 MEV	1.6290E-03	PM146	0.4530 MEV	3.0253E-03	CE144	0.1335 MEV	1.2457E-03
LA140	2.5300 MEV	5.6323E-03	PM146	0.7450 MEV	1.3963E-03	RU103	0.4400 MEV	1.1461E-03	BA140	0.1320 MEV	2.0803E-03
LA140	1.5970 MEV	1.2039E-01	ZR 95	0.7240 MEV	1.0199E-01	LA140	0.4360 MEV	3.7794E-03	FU155	0.1053 MEV	2.7351E-03
PM148	1.4650 MEV	3.0571E-03	BA137*	0.6616 MEV	1.5405E-03	BA140	0.4360 MEV	6.1186E-03	ND147	0.0910 MEV	1.4600E-03
LA140	0.9240 MEV	1.4081E-02	I 131	0.6370 MEV	3.0637E-03	I 131	0.3640 MEV	3.6933E-02	FU155	0.0865 MEV	4.2719E-03
PM148	0.9140 MEV	1.9938E-03	RU103	0.6100 MEV	6.3925E-03	LA140	0.3290 MEV	2.8584E-02	XE133	0.0810 MEV	1.2143E-02
LA140	0.8680 MEV	7.0404E-03	PM148	0.5510 MEV	3.5888E-03	RA140	0.3040 MEV	8.5661E-03	I 131	0.0800 MEV	1.1439E-03
LA140	0.8150 MEV	2.6472E-02	RU103	0.5360 MEV	2.5595E-03	I 131	0.2840 MEV	2.4386E-03	BA140	0.0300 MEV	1.5908E-02
NR 95	0.7645 MEV	1.4270E-01	RA140	0.5360 MEV	3.5688E-02	NB 95*	0.2350 MEV	1.0433E-03			
ZR 95	0.7560 MEV	1.0199E-01	RU103	0.5000 MEV	1.1259E-01	BA140	0.1620 MEV	9.7898E-03			
LA140	0.7520 MEV	7.0404E-03	LA140	0.4870 MEV	5.7872E-02	CE141	0.1454 MEV	7.5111E-02			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 3.1300 MEV TO 0.0300 MEV

IRRADIATION TIME 7.000E 00 DAY 0.0
 **COOLING TIME ** 7.000E 01 DAY 0.0
 **TOTAL GAMMA INTENSITY = 2.17730E 08 DPS **

HR 0.0 MIN 0.0 SEC
 HR 0.0 MIN 0.0 SEC

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	1.3268E-03	PM146	0.7490 MEV	3.3689E-03	LA140	0.4870 MEV	1.8178E-02	RA140	0.1620 MEV	3.0750E-03
LA140	2.5300 MEV	1.7691E-03	PM146	0.7450 MEV	2.8705E-03	PM146	0.4530 MEV	6.2194E-03	CE141	0.1454 MEV	7.5271E-02
LA140	1.5970 MEV	3.7815E-02	ZR 95	0.7240 MEV	1.4678E-01	RU103	0.4400 MEV	1.2982E-03	CE144	0.1335 MEV	2.3906E-03
LA140	0.9240 MEV	4.4228E-03	BA137*	0.6616 MEV	3.2130E-03	LA140	0.4360 MEV	1.0615E-03	FU155	0.1053 MEV	5.5109E-03
LA140	0.8680 MEV	2.2114E-03	RU103	0.6100 MEV	7.2611E-03	LA140	0.4360 MEV	1.9219E-03	FU155	0.0865 MEV	8.6075E-03
LA140	0.8150 MEV	8.3148E-03	RU103	0.5500 MEV	2.8993E-03	I 131	0.3640 MEV	3.7913E-03	RU103	0.0530 MEV	1.0097E-03
NR 95	0.7645 MEV	3.2720E-01	RA140	0.5360 MEV	1.1147E-02	LA140	0.3290 MEV	8.9782E-03	RA140	0.0300 MEV	4.9968E-03
ZR 95	0.7560 MEV	1.4678E-01	PM146	0.5120 MEV	1.2822E-03	BA140	0.3040 MEV	2.6906E-03			
LA140	0.7520 MEV	2.2114E-03	RU103	0.5000 MEV	1.2754E-01	NB 95*	0.2350 MEV	1.5035E-03			

Table 3.5. Relative intensities of γ rays of FP for ^{235}U fissions by the irradiation of thermal neutrons for 1 month.

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 3.1300 MEV TO 0.0270 MEV

IRRADIATION TIME 3.000E 01 DAY 0.0
**COOLING TIME ** 3.000E 00 DAY 0.0
**TOTAL GAMMA INTENSITY = 9.20022E 09 DPS **

HR 0.0 MIN 0.0 SEC
HR 0.0 MIN 0.0 SEC

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	2.8446E-03	RR 42	0.7800 MEV	1.3104E-03	RA140	0.5360 MEV	2.5275E-02	XE135	0.2500 MEV	2.9716E-03
LA140	2.5300 MEV	3.7928E-03	I 132	0.7730 MEV	4.6693E-02	I 133	0.5300 MEV	1.9853E-02	TE132	0.2300 MEV	5.7597E-02
LA140	1.5970 MEV	8.1072E-02	NR 95	0.7645 MEV	1.9958E-02	I 132	0.5230 MEV	1.3206E-03	MO 99	0.1410 MEV	6.6819E-03
PM148	1.4650 MEV	1.5181E-02	ZR 95	0.7560 MEV	2.7014E-02	I 132	0.5080 MEV	2.0741E-03	RA140	0.1620 MEV	6.9724E-03
I 132	1.4400 MEV	1.5536E-03	LA140	0.7520 MEV	4.7410E-03	RU103	0.5000 MEV	3.4544E-02	CF141	0.1450 MEV	2.4878E-02
I 132	1.3900 MEV	4.6686E-03	NR 97*	0.7470 MEV	9.9410E-03	LA140	0.4870 MEV	3.8971E-02	TC 99*	0.1405 MEV	7.8465E-02
I 132	1.3600 MEV	1.0409E-03	MO 99	0.7400 MEV	1.1792E-02	TE129	0.4550 MEV	1.5030E-03	RA140	0.1320 MEV	1.4816E-03
I 133	1.3000 MEV	7.9412E-03	I 132	0.7280 MEV	3.6354E-03	LA140	0.4360 MEV	2.2757E-03	SM153	0.1032 MEV	1.1132E-02
I 132	1.2800 MEV	3.6354E-03	ZR 95	0.7240 MEV	2.7014E-02	RA140	0.4360 MEV	4.3578E-03	ND147	0.0910 MEV	1.2733E-03
I 132	1.1400 MEV	2.0741E-03	I 131	0.7230 MEV	1.1103E-03	MO 99	0.3720 MEV	1.2774E-03	XE133	0.0810 MEV	6.4308E-02
I 132	1.1380 MEV	1.0409E-03	I 132	0.6678 MEV	5.8615E-02	I 131	0.3640 MEV	5.8534E-02	I 131	0.0800 MEV	1.8130E-03
I 132	0.9547 MEV	1.0898E-02	NR 97	0.6650 MEV	1.1085E-02	PM151	0.3399 MEV	1.2792E-03	SM153	0.0697 MEV	1.0931E-02
LA140	0.9240 MEV	9.4821E-03	I 131	0.6370 MEV	4.8557E-03	LA140	0.3290 MEV	1.9249E-02	CF141	0.0570 MEV	1.6953E-03
PM148	0.9140 MEV	9.9006E-03	I 132	0.6303 MEV	7.7136E-03	RU103	0.3193 MEV	1.6395E-03	TE132	0.0530 MEV	1.0931E-02
I 133	0.8700 MEV	1.7942E-03	I 132	0.6207 MEV	6.2765E-03	BA140	0.3040 MEV	6.1009E-03	RA140	0.0300 MEV	1.1330E-02
LA140	0.8680 MEV	4.7410E-03	RU103	0.6100 MEV	1.9613E-03	CE143	0.2930 MEV	7.1201E-03	TE129	0.0270 MEV	1.8791E-03
LA140	0.8150 MEV	1.7876E-02	RR 42	0.5540 MEV	1.0865E-03	I 131	0.2840 MEV	3.8649E-03			
MO 99	0.7800 MEV	4.3236E-03	PM148	0.5510 MEV	1.7821E-02	I 132	0.2630 MEV	1.0409E-03			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 3.1300 MEV TO 0.0300 MEV

IRRADIATION TIME 3.000E 01 DAY 0.0
**COOLING TIME ** 6.000E 00 DAY 0.0
**TOTAL GAMMA INTENSITY = 6.14022E 09 DPS **

HR 0.0 MIN 0.0 SEC
HR 0.0 MIN 0.0 SEC

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	3.7609E-03	I 132	0.7730 MEV	3.6A97E-02	RA140	0.5360 MEV	3.2192E-02	-RA140	0.1620 MEV	8.8806E-03
LA140	2.5300 MEV	5.0146E-03	NR 95	0.7645 MEV	3.286AE-02	I 133	0.5300 MEV	2.7627E-03	CE141	0.1450 MEV	3.5000E-02
LA140	1.5970 MEV	1.0719E-01	ZR 95	0.7560 MEV	3.9202E-02	I 132	0.5230 MEV	1.0435E-03	TC 99*	0.1405 MEV	5.5820E-02
PM148	1.4650 MEV	1.5476E-02	LA140	0.7520 MEV	6.2682E-03	I 132	0.5080 MEV	1.6389E-03	RA140	0.1320 MEV	1.8871E-03
I 132	1.4400 MEV	1.2277E-03	MO 99	0.7400 MEV	8.3885E-03	RU103	0.5000 MEV	4.9115E-02	SM153	0.1032 MEV	5.7681E-03
I 132	1.3900 MEV	3.6891E-03	I 132	0.7280 MEV	2.8727E-03	LA140	0.4870 MEV	5.1525E-02	ND147	0.0910 MEV	1.5619E-03
I 133	1.3000 MEV	1.1051E-03	ZR 95	0.7240 MEV	3.9502E-02	LA140	0.4360 MEV	3.0087E-03	FU155	0.0865 MEV	1.3822E-03
I 132	1.2800 MEV	2.8727E-03	I 131	0.7230 MEV	1.2849E-03	BA140	0.4360 MEV	5.5504E-03	XE133	0.0810 MEV	6.6291E-02
I 132	1.1400 MEV	1.6389E-03	I 132	0.6678 MEV	4.6160E-02	I 131	0.3640 MEV	8.7741E-02	I 131	0.0800 MEV	2.0981E-03
I 132	0.9547 MEV	8.6120E-03	I 131	0.6370 MEV	5.6193E-03	LA140	0.3290 MEV	2.5449E-02	SM153	0.0697 MEV	1.0954E-03
LA140	0.9240 MEV	1.2536E-02	I 132	0.6303 MEV	6.0653E-03	BA140	0.3040 MEV	7.7706E-03	TF132	0.0530 MEV	8.6380E-03
PM148	0.9140 MEV	1.0093E-02	I 132	0.6207 MEV	4.9597E-03	CE143	0.2930 MEV	2.3513E-03	BA140	0.0300 MEV	1.4431E-02
LA140	0.8680 MEV	6.2682E-03	RU103	0.6100 MEV	2.7885E-03	I 131	0.2840 MEV	4.4727E-03			
LA140	0.8150 MEV	2.3568E-02	PM148	0.5510 MEV	1.8168E-02	TE132	0.2300 MEV	4.5513E-02			
MO 99	0.7800 MEV	3.0758E-03	RU103	0.5500 MEV	1.1165E-03	MO 99	0.1810 MEV	4.7535E-03			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 3.1300 MEV TO 0.0300 MEV

IRRADIATION TIME 3.000E 01 DAY 0.0
**COOLING TIME ** 1.500E 01 DAY 0.0
**TOTAL GAMMA INTENSITY = 3.08127E 09 DPS **

HR 0.0 MIN 0.0 SEC
HR 0.0 MIN 0.0 SEC

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	4.6870E-03	LA140	0.7520 MEV	7.8117E-03	RU103	0.5000 MEV	8.3608E-02	TC 99*	0.1405 MEV	1.1905E-02
LA140	2.5300 MEV	6.2493E-03	PM148	0.7490 MEV	1.0354E-03	LA140	0.4870 MEV	6.4212E-02	RA140	0.1320 MEV	2.3099E-03
LA140	1.5970 MEV	1.3358E-01	MO 99	0.7400 MEV	1.7891E-03	PM146	0.4530 MEV	1.9228E-03	FU155	0.1053 MEV	1.7469E-03
PM148	1.4650 MEV	9.7138E-03	ZR 95	0.7240 MEV	7.0971E-02	LA140	0.4360 MEV	3.7496E-03	ND147	0.0910 MEV	1.7971E-03
I 132	1.3900 MEV	1.0783E-03	I 131	0.7230 MEV	1.1797E-03	BA140	0.4360 MEV	6.7539E-03	FU155	0.0865 MEV	2.7285E-03
I 132	0.9547 MEV	2.5173E-03	I 132	0.6678 MEV	1.3492E-02	I 131	0.3640 MEV	6.2194E-02	XE133	0.0810 MEV	4.0572E-02
LA140	0.9240 MEV	1.5623E-02	I 131	0.6370 MEV	5.1592E-03	LA140	0.3290 MEV	3.1715E-02	I 131	0.0800 MEV	1.9263E-03
PM148	0.9140 MEV	6.3351E-03	I 132	0.6303 MEV	1.7816E-03	BA140	0.3040 MEV	9.5114E-03	TE132	0.0530 MEV	2.5249E-03
LA140	0.8680 MEV	7.8117E-03	I 132	0.6207 MEV	1.4497E-03	I 131	0.2840 MEV	4.1065E-03	RA140	0.0300 MEV	1.7664E-02
LA140	0.8150 MEV	2.9372E-02	RU103	0.6100 MEV	4.7468E-03	TE132	0.2300 MEV	1.3303E-02			
I 132	0.7730 MEV	1.0783E-02	PM148	0.5510 MEV	1.1403E-02	MO 99	0.1810 MEV	1.0138E-03			
NR 95	0.7645 MEV	7.9619E-02	RU103	0.5500 MEV	1.9006E-03	BA140	0.1620 MEV	1.0870E-02			
ZR 95	0.7560 MEV	7.0971E-02	RA140	0.5360 MEV	3.9404E-02	CE141	0.1450 MEV	5.7733E-02			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 3.1300 MEV TO 0.0300 MEV

***IRRADIATION TIME** 3.000E 01 DAY 0.0 HR 0.0 MIN 0.0 SEC
 ***COOLING TIME ** 3.000E 01 DAY 0.0 HR 0.0 MIN 0.0 SEC
 ***TOTAL GAMMA INTENSITY = 1.7028E 09 DPS ***

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	3.7669E-03	PM146	0.7490 MEV	1.8601E-03	PM146	0.4530 MEV	3.4545E-03	CE144	0.1335 MEV	1.4046E-03
LA140	2.5300 MEV	5.0228E-03	PM146	0.7450 MEV	1.5944E-03	RU103	0.4400 MEV	1.1843E-03	BA140	0.1920 MEV	1.8551E-03
LA140	1.5970 MEV	1.0736E-01	7R 95	0.7240 MEV	1.0944E-01	LA140	0.4380 MEV	3.0135E-03	FU155	0.1053 MEV	3.1116E-03
PM146	1.4650 MEV	2.5628E-03	BA140	0.6616 MEV	1.7638E-03	BA140	0.4360 MEV	5.4563E-03	ND147	0.0910 MEV	1.2744E-03
LA140	0.9240 MEV	1.2556E-02	I 131	0.6370 MEV	2.5657E-03	I 131	0.3640 MEV	3.0929E-02	FU155	0.0865 MEV	4.8600E-03
PM146	0.9140 MEV	1.6714E-03	RU103	0.6100 MEV	6.6057E-03	LA140	0.3290 MEV	2.5490E-02	XE133	0.0810 MEV	1.0208E-02
LA140	0.8680 MEV	6.2782E-03	PM146	0.5510 MEV	3.0085E-03	BA140	0.3040 MEV	7.6388E-03	BA140	0.0300 MEV	1.4186E-02
LA140	0.8150 MEV	2.3606E-02	RU103	0.5500 MEV	2.6449E-03	I 131	0.2840 MEV	2.0421E-03			
NR 95	0.7645 MEV	1.6916E-01	BA140	0.5360 MEV	3.1446E-02	NR 95*	0.2350 MEV	1.1197E-03			
7R 95	0.7560 MEV	1.0944E-01	RU103	0.5000 MEV	1.1635E-01	BA140	0.1620 MEV	8.7300E-03			
LA140	0.7570 MEV	6.2782E-03	LA140	0.4870 MEV	5.1607E-02	CE141	0.1454 MEV	7.6232E-02			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 3.1300 MEV TO 0.0300 MEV

***IRRADIATION TIME** 3.000E 01 DAY 0.0 HR 0.0 MIN 0.0 SEC
 ***COOLING TIME ** 6.000E 01 DAY 0.0 HR 0.0 MIN 0.0 SEC
 ***TOTAL GAMMA INTENSITY = 9.27065E 08 DPS ***

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	1.3631E-03	PM146	0.7490 MEV	3.3685E-03	LA140	0.4870 MEV	1.8674E-02	BA140	0.1620 MEV	3.1590E-03
LA140	2.5300 MEV	1.8174E-03	PM146	0.7450 MEV	2.8872E-03	PM146	0.4530 MEV	6.2557E-03	CE141	0.1454 MEV	7.4567E-02
LA140	1.5970 MEV	3.8848E-02	7R 95	0.7240 MEV	1.4998E-01	RU103	0.4400 MEV	1.2867E-03	CE144	0.1335 MEV	2.3979E-03
LA140	0.9240 MEV	4.5436E-03	BA140	0.6616 MEV	3.2337E-03	LA140	0.4360 MEV	1.0905E-03	FU155	0.1053 MEV	5.5385E-03
LA140	0.8680 MEV	2.2718E-03	RU103	0.6100 MEV	7.1770E-03	BA140	0.4360 MEV	1.9744E-03	FU155	0.0865 MEV	8.6505E-03
LA140	0.8150 MEV	8.5420E-03	RU103	0.5500 MEV	2.8736E-03	I 131	0.3640 MEV	4.2913E-03	RU103	0.0530 MEV	1.0008E-03
NR 95	0.7645 MEV	3.2666E-01	BA140	0.5360 MEV	1.1451E-02	LA140	0.3290 MEV	6.2236E-03	BA140	0.0300 MEV	5.1334E-03
7R 95	0.7560 MEV	1.4598E-01	RH106	0.5120 MEV	1.2871E-03	BA140	0.3040 MEV	2.7641E-03			
LA140	0.7570 MEV	2.2718E-03	RU103	0.5000 MEV	1.2641E-01	NR 95*	0.2350 MEV	1.4953E-03			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 1.2770 MEV TO 0.0801 MEV

***IRRADIATION TIME** 3.000E 01 DAY 0.0 HR 0.0 MIN 0.0 SEC
 ***COOLING TIME ** 1.500E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 ***TOTAL GAMMA INTENSITY = 3.57695E 08 DPS ***

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
FU154	1.2770 MEV	1.2673E-03	PR144	0.6970 MEV	1.1288E-03	RU103	0.5000 MEV	6.7799E-02	FU155	0.1053 MEV	1.3061E-02
NR 95	0.7645 MEV	5.0246E-01	BA157*	0.6616 MEV	8.3333E-03	PM146	0.4530 MEV	1.5535E-02	FU155	0.0865 MEV	2.0400E-02
7R 95	0.7560 MEV	1.4491E-01	RH106	0.6200 MEV	1.2376E-03	NR 95*	0.2350 MEV	1.4844E-03	CE144	0.0801 MEV	1.6480E-03
PM146	0.7490 MEV	8.3651E-03	RU103	0.6100 MEV	3.8493E-03	CE141	0.1454 MEV	2.9184E-02			
PM146	0.7450 MEV	7.1701E-03	RU103	0.5500 MEV	1.5612E-03	CE144	0.1335 MEV	4.9893E-03			
7R 95	0.7240 MEV	1.4491E-01	RH106	0.5120 MEV	2.8144E-03	EU154	0.1229 MEV	1.0561E-03			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 2.1860 MEV TO 0.0265 MEV

***IRRADIATION TIME** 3.000E 01 DAY 0.0 HR 0.0 MIN 0.0 SEC
 ***COOLING TIME ** 3.000E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 ***TOTAL GAMMA INTENSITY = 9.81386E 07 DPS ***

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
PR144	2.1860 MEV	1.3314E-03	FU152	0.7790 MEV	1.3544E-03	PM146	0.6350 MEV	2.4337E-03	CE144	0.1335 MEV	1.2610E-02
FU152	1.4080 MEV	2.1283E-03	NR 95	0.7645 MEV	4.4661E-01	RH106	0.6200 MEV	3.3980E-03	FU154	0.1229 MEV	3.7813E-03
FU154	1.2770 MEV	4.5375E-03	7R 95	0.7560 MEV	1.0669E-01	RU103	0.6100 MEV	1.0157E-03	FU155	0.1053 MEV	4.0673E-02
FU152	1.1130 MEV	1.3544E-03	PM146	0.7490 MEV	2.8393E-02	RH106	0.5120 MEV	7.7271E-03	EU155	0.0865 MEV	6.3527E-02
FU152	1.0870 MEV	1.1609E-03	PM146	0.7450 MEV	2.4337E-02	RU103	0.5000 MEV	1.7891E-02	CE144	0.0801 MEV	4.1653E-03
FU154	1.0070 MEV	1.8366E-03	FU154	0.7250 MEV	2.2688E-03	PM146	0.4530 MEV	5.2731E-02	EU155	0.0600 MEV	2.5305E-03
FU154	0.9980 MEV	1.5125E-03	7R 95	0.7240 MEV	1.0669E-01	EU152	0.3442 MEV	2.6120E-03	FU155	0.0453 MEV	1.4498E-03
FU152	0.9650 MEV	1.4511E-03	PR144	0.6970 MEV	2.8331E-03	NR 95*	0.2350 MEV	1.0928E-03	EU155	0.0265 MEV	2.5305E-03
FU154	0.8750 MEV	1.4045E-03	BA147*	0.6616 MEV	3.0086E-02	CE141	0.1454 MEV	4.5549E-03			

Table 3.6.

Relative intensities of γ rays of FP for ^{235}U fissions
by the irradiation of thermal neutrons for 1 year.

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 3.1300 MEV TO 0.0300 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
**COOLING TIME ** 3.650E 01 DAY 0.0 HR 0.0 MIN 0.0 SEC
**TOTAL GAMMA INTENSITY = 4.62447E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	1.2149E-03	LA140	0.7520 MEV	2.0248E-03	RH106	0.5120 MEV	2.4390E-03	BA140	0.1620 MEV	2.8155E-03
LA140	2.5300 MEV	1.6198E-03	PM146	0.7490 MEV	7.6824E-03	RU103	0.5000 MEV	9.3442E-02	CE141	0.1454 MEV	5.2359E-02
LA140	1.5970 MEV	3.4624E-02	PM146	0.7450 MEV	6.5849E-03	LA140	0.4870 MEV	1.6644E-02	CF144	0.1335 MEV	4.2520E-03
EU154	1.2770 MEV	1.1851E-03	ZR 95	0.7240 MEV	1.3453E-01	PM146	0.4530 MEV	1.4267E-02	EU155	0.1053 MEV	1.1685E-02
LA140	0.9240 MEV	4.0495E-03	BA137*	0.6616 MEV	7.8157E-03	BA140	0.4360 MEV	1.7597E-03	EU155	0.0865 MEV	1.8251E-02
LA140	0.8680 MEV	2.0248E-03	RH106	0.6200 MEV	1.0726E-03	I 131	0.3640 MEV	7.0381E-03	XE133	0.0810 MEV	1.6303E-03
LA140	0.8150 MEV	7.6131E-03	RU103	0.6100 MEV	5.3051E-03	LA140	0.3290 MEV	8.2206E-03	CE144	0.0801 MEV	1.4045E-03
NB 95	0.7645 MEV	3.6805E-01	RU103	0.5500 MEV	2.1242E-03	BA140	0.3040 MEV	2.4635E-03	BA140	0.0900 MEV	4.5752E-03
ZR 95	0.7560 MEV	1.3453E-01	BA140	0.5360 MEV	1.0206E-02	NB 95*	0.2350 MEV	1.3779E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.5970 MEV TO 0.0265 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
**COOLING TIME ** 7.300E 01 DAY 0.0 HR 0.0 MIN 0.0 SEC
**TOTAL GAMMA INTENSITY = 3.03831E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	1.5970 MEV	7.3012E-03	PR144	0.6970 MEV	1.3395E-03	LA140	0.4870 MEV	3.5097E-03	EU155	0.1053 MEV	1.7117E-02
EU154	1.2770 MEV	1.7960E-03	BA137*	0.6616 MEV	1.1868E-02	PM146	0.4530 MEV	2.1343E-02	EU155	0.0865 MEV	2.6735E-02
LA140	0.8150 MEV	1.6054E-03	RH106	0.6200 MEV	1.5538E-03	FU152	0.3442 MEV	1.0363E-03	CE144	0.0801 MEV	1.9555E-03
NB 95	0.7645 MEV	4.4629E-01	RU103	0.6100 MEV	4.2625E-03	LA140	0.3290 MEV	1.7335E-03	EU155	0.0600 MEV	1.0650E-03
ZR 95	0.7560 MEV	1.3874E-01	RU103	0.5500 MEV	1.7067E-03	NB 95*	0.2350 MEV	1.4212E-03	FU155	0.0265 MEV	1.0650E-03
PM146	0.7490 MEV	1.1492E-02	BA140	0.5360 MEV	2.1522E-03	CE141	0.1454 MEV	3.7022E-02			
PM146	0.7450 MEV	8.8505E-03	RH106	0.5120 MEV	3.4650E-03	CE144	0.1335 MEV	5.9202E-03			
ZR 95	0.7240 MEV	1.3874E-01	RU103	0.5000 MEV	7.5077E-02	EU154	0.1229 MEV	1.4966E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 2.1860 MEV TO 0.0265 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
**COOLING TIME ** 1.825E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
**TOTAL GAMMA INTENSITY = 1.19798E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
PR144	2.1860 MEV	1.2135E-03	FU152	0.7790 MEV	1.3394E-03	PM146	0.6350 MEV	2.3717E-03	CE144	0.1335 MEV	1.1494E-02
EU152	1.4080 MEV	2.1048E-03	NB 95	0.7645 MEV	4.3618E-01	RH106	0.6200 MEV	3.1426E-03	EU154	0.1229 MEV	3.7468E-03
FU154	1.2770 MEV	4.4961E-03	ZR 95	0.7560 MEV	1.0947E-01	RU103	0.6100 MEV	1.5902E-03	FU155	0.1053 MEV	3.8701E-02
FU152	1.1130 MEV	1.3394E-03	PM146	0.7450 MEV	2.7670E-02	RH106	0.5120 MEV	7.1461E-03	EU155	0.0865 MEV	6.0446E-02
EU152	1.0870 MEV	1.1481E-03	PM146	0.7450 MEV	2.3717E-02	RU103	0.5000 MEV	2.8009E-02	CF144	0.0801 MEV	3.7965E-03
FU154	1.0070 MEV	1.8199E-03	EU154	0.7250 MEV	2.2481E-03	PM146	0.4530 MEV	5.1387E-02	EU155	0.0600 MEV	2.4078E-03
FU154	0.9980 MEV	1.4987E-03	ZR 95	0.7240 MEV	1.0847E-01	EU152	0.3442 MEV	2.5832E-03	FU155	0.0453 MEV	1.3795E-03
FU152	0.9650 MEV	1.4351E-03	PR144	0.6970 MEV	2.6005E-03	NB 95*	0.2350 MEV	1.1213E-03	EU155	0.0265 MEV	2.4078E-03
FU154	0.8750 MEV	1.3917E-03	BA137*	0.6616 MEV	2.9893E-02	CF141	0.1454 MEV	9.4137E-03			

**** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 2.1860 MEV TO 0.0265 MEV**

****IRRADIATION TIME** 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC**
****COOLING TIME ** 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC**
****TOTAL GAMMA INTENSITY = 4.35980E 08 DPS ****

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
PR144	2.1860 MEV	2.1360E-03	FU152	0.7790 MEV	3.5757E-03	PM146	0.6350 MEV	5.9761E-03	FU155	0.1053 MEV	8.7810E-02
FU152	1.4080 MEV	5.6190E-03	NR 95	0.7645 MEV	1.8674E-01	RH106	0.6200 MEV	6.1174E-03	FU155	0.0865 MEV	1.3715E-01
FU154	1.2770 MEV	1.2090E-02	ZR 95	0.7560 MEV	4.2964E-02	FU154	0.5930 MEV	1.1514E-03	CE144	0.0801 MEV	6.6823E-03
FU152	1.1130 MEV	3.5757E-03	PM146	0.7490 MEV	6.9721E-02	RH106	0.5120 MEV	1.3911E-02	FU155	0.0600 MEV	5.4633E-03
FU152	1.0870 MEV	3.0649E-03	PM146	0.7450 MEV	5.9761E-02	RH103	0.5000 MEV	3.1544E-03	FU155	0.0453 MEV	3.1300E-03
FU154	1.0070 MEV	4.8934E-03	FU154	0.7250 MEV	6.0448E-03	PM146	0.4530 MEV	1.2948E-01	FU155	0.0265 MEV	5.4633E-03
FU154	0.9980 MEV	4.0299E-03	ZR 95	0.7240 MEV	4.2964E-02	FU152	0.3442 MEV	6.8960E-03			
FU152	0.9650 MEV	3.8311E-03	FU154	0.7060 MEV	1.1514E-03	FU152	0.2447 MEV	2.0433E-03			
FU154	0.8750 MEV	3.7420E-03	PR144	0.6970 MEV	4.5771E-03	CE144	0.1335 MEV	2.0230E-02			
FU152	0.8690 MEV	1.0472E-03	RA137*	0.6616 MEV	8.1195E-02	FU154	0.1229 MEV	1.0075E-02			

**** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 2.1860 MEV TO 0.0265 MEV**

****IRRADIATION TIME** 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC**
****COOLING TIME ** 7.300E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC**
****TOTAL GAMMA INTENSITY = 2.49495E 08 DPS ****

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
PR144	2.1860 MEV	1.5315E-03	FU152	0.7790 MEV	5.8977E-03	RA137*	0.6616 MEV	1.3864E-01	FU154	0.1229 MEV	1.6859E-02
FU154	1.6000 MEV	1.4450E-03	NR 95	0.7645 MEV	6.7816E-03	PM146	0.6350 MEV	8.7814E-03	FU155	0.1053 MEV	1.0463E-01
FU152	1.4080 MEV	9.2678E-03	FU154	0.7590 MEV	1.4450E-03	RH106	0.6200 MEV	5.3652E-03	FU155	0.0865 MEV	1.6342E-01
FU154	1.2770 MEV	2.0230E-02	ZR 95	0.7560 MEV	1.5316E-03	FU154	0.5930 MEV	1.9267E-03	CE144	0.0801 MEV	4.7912E-03
FU152	1.1130 MEV	5.8977E-03	PM146	0.7490 MEV	1.0245E-01	RH106	0.5120 MEV	1.2200E-02	FU155	0.0600 MEV	6.5095E-03
FU152	1.0870 MEV	5.0551E-03	PM146	0.7450 MEV	8.7814E-02	PM146	0.4530 MEV	1.9026E-01	FU155	0.0453 MEV	3.7294E-03
FU154	1.0070 MEV	8.1845E-03	FU154	0.7250 MEV	1.0115E-02	FU152	0.4442 MEV	1.5334E-03	FU155	0.0265 MEV	6.5095E-03
FU154	0.9980 MEV	6.7434E-03	ZR 95	0.7240 MEV	1.5316E-03	SB125	0.4270 MEV	1.1026E-03			
FU152	0.9650 MEV	6.3149E-03	FU154	0.7060 MEV	1.9267E-03	FU152	0.3442 MEV	1.1374E-02			
FU154	0.8750 MEV	6.2618E-03	PR144	0.6970 MEV	3.2818E-03	FU152	0.2447 MEV	3.3701E-03			
FU152	0.8690 MEV	1.7272E-03	FU154	0.6940 MEV	1.4450E-03	CE144	0.1335 MEV	1.4505E-02			

**** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.6000 MEV TO 0.0265 MEV**

****IRRADIATION TIME** 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC**
****COOLING TIME ** 1.825E 03 DAY 0.0 HR 0.0 MIN 0.0 SEC**
****TOTAL GAMMA INTENSITY = 1.42016E 08 DPS ****

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
FU154	1.6000 MEV	2.2292E-03	FU154	0.8750 MEV	9.6599E-03	RA137*	0.6616 MEV	2.2726E-01	FU152	0.2447 MEV	4.9785E-03
FU152	1.4080 MEV	1.3691E-02	FU152	0.8690 MEV	2.5515E-03	PM146	0.6350 MEV	9.1729E-03	CE144	0.1335 MEV	1.7603E-03
FU152	1.2980 MEV	1.0579E-03	FU152	0.7790 MEV	8.7125E-03	RH106	0.6200 MEV	1.1916E-03	FU154	0.1229 MEV	2.6007E-02
FU154	1.2770 MEV	3.1209E-02	FU154	0.7490 MEV	2.2292E-03	FU154	0.5930 MEV	2.9723E-03	FU155	0.1053 MEV	5.8268E-02
FU152	1.1130 MEV	8.7125E-03	PM146	0.7490 MEV	1.0702E-01	RH106	0.5120 MEV	2.7096E-03	FU155	0.0865 MEV	9.1008E-02
FU152	1.0870 MEV	7.4678E-03	PM146	0.7450 MEV	9.1729E-02	PM146	0.4530 MEV	1.9875E-01	FU155	0.0600 MEV	3.6252E-03
FU154	1.0070 MEV	1.2632E-02	FU154	0.7250 MEV	1.5604E-02	FU152	0.4442 MEV	2.2652E-03	FU155	0.0453 MEV	2.0770E-03
FU154	0.9980 MEV	1.0403E-02	FU154	0.7060 MEV	2.9723E-03	FU152	0.4112 MEV	1.3691E-03	FU155	0.0265 MEV	3.6252E-03
FU152	0.9650 MEV	9.3384E-03	FU154	0.6940 MEV	2.2292E-03	FU152	0.3442 MEV	1.6803E-02			

**** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.6000 MEV TO 0.0865 MEV**

****IRRADIATION TIME** 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC**
****COOLING TIME ** 3.650E 03 DAY 0.0 HR 0.0 MIN 0.0 SEC**
****TOTAL GAMMA INTENSITY = 7.84480E 07 DPS ****

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
FU154	1.6000 MEV	3.2497E-03	FU154	0.9980 MEV	1.5165E-02	FU154	0.7250 MEV	2.2748E-02	FU152	0.4112 MEV	1.8568E-03
FU152	1.4080 MEV	1.8568E-02	FU152	0.9650 MEV	1.2660E-02	FU154	0.7060 MEV	4.3329E-03	FU152	0.3442 MEV	2.2788E-02
FU152	1.2980 MEV	1.4344E-03	FU154	0.8750 MEV	1.4082E-02	FU154	0.6940 MEV	3.2497E-03	FU152	0.2447 MEV	6.7520E-03
FU154	1.2770 MEV	4.5495E-02	FU152	0.8690 MEV	3.4604E-03	RA137*	0.6616 MEV	3.6652E-01	FU154	0.1229 MEV	3.7913E-02
FU152	1.2130 MEV	1.0972E-03	FU152	0.7790 MEV	1.1816E-02	PM146	0.6350 MEV	6.9820E-03	FU155	0.1053 MEV	1.5547E-02
FU152	1.1130 MEV	1.1816E-02	FU154	0.7590 MEV	3.2497E-03	FU154	0.5930 MEV	4.3329E-03	FU155	0.0865 MEV	2.4282E-02
FU152	1.0870 MEV	1.0128E-02	PM146	0.7490 MEV	8.1456E-02	PM146	0.4530 MEV	1.5128E-01			
FU154	1.0070 MEV	1.8415E-02	PM146	0.7450 MEV	6.9820E-02	FU152	0.4442 MEV	3.0722E-03			

Table 3.7.

Relative intensities of γ rays of FP for ^{235}U fissions
by the irradiation of thermal neutrons for 10 years.

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.6000 MEV TO 0.0265 MEV

IRRADIATION TIME 3.640E 03 DAY 0.0

HR 0.0

MIN 0.0

SEC

**COOLING TIME

** 3.640E 02 DAY 0.0

HR 0.0

MIN 0.0

SEC

**TOTAL GAMMA INTENSITY = 1.68684E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
FU154	1.6000 MEV	1.8508E-03	FU152	0.7790 MEV	7.2248E-03	FU154	0.6940 MEV	1.8508E-03	FU152	0.2447 MEV	4.1285E-03
FU152	1.4080 MEV	1.1353E-02	NR 95	0.7645 MEV	4.9289E-02	BA137*	0.6616 MEV	1.8955E-01	CE144	0.1335 MEV	8.8656E-03
FU154	1.2770 MEV	7.5912E-02	FU144	0.7590 MEV	1.8508E-03	PM146	0.6350 MEV	7.9918E-03	FU154	0.1229 MEV	2.1593E-02
FU152	1.1130 MEV	7.2248E-03	ZR 95	0.7560 MEV	1.1336E-02	RH106	0.6200 MEV	3.1710E-03	FU155	0.1053 MEV	6.9787E-02
FU152	1.0870 MEV	4.1927E-03	PM144	0.7490 MEV	9.3238E-02	FU154	0.5930 MEV	2.4678E-03	FU155	0.0865 MEV	1.0900E-01
FU154	1.0070 MEV	1.0488E-02	PM146	0.7450 MEV	7.9918E-02	RH106	0.5120 MEV	7.2108E-03	CE144	0.0801 MEV	2.9285E-03
FU154	0.9980 MEV	4.6373E-03	FU154	0.7250 MEV	1.2956E-02	PM146	0.4530 MEV	1.7316E-01	FU155	0.0600 MEV	4.3419E-03
FU152	0.9650 MEV	7.7409E-03	ZR 95	0.7240 MEV	1.1336E-02	FU152	0.4442 MEV	1.8785E-03	FU155	0.0453 MEV	2.4875E-03
FU154	0.8750 MEV	8.0203E-03	FU144	0.7060 MEV	2.4678E-03	FU152	0.4112 MEV	1.1353E-03	FU155	0.0265 MEV	4.3419E-03
FU152	0.8690 MEV	2.1158E-03	PR144	0.6970 MEV	2.0059E-03	FU152	0.3442 MEV	1.3934E-02			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.6000 MEV TO 0.0265 MEV

IRRADIATION TIME 3.650E 03 DAY 0.0

HR 0.0

MIN 0.0

SEC

**COOLING TIME

** 7.300E 02 DAY 0.0

HR 0.0

MIN 0.0

SEC

**TOTAL GAMMA INTENSITY = 1.32265E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
FU154	1.6000 MEV	2.2604E-03	FU152	0.8690 MEV	2.5470E-03	BA137*	0.6616 MEV	2.3622E-01	CE144	0.1335 MEV	4.6393E-03
FU152	1.4080 MEV	1.3667E-02	FU142	0.7790 MEV	8.6970E-03	PM146	0.6350 MEV	8.5707E-03	FU154	0.1229 MEV	2.6371E-02
FU152	1.2980 MEV	1.0561E-03	NR 95	0.7645 MEV	1.3059E-03	RH106	0.6200 MEV	2.0297E-03	FU155	0.1053 MEV	6.0686E-02
FU154	1.2770 MEV	3.1645E-02	FU154	0.7590 MEV	2.2604E-03	FU154	0.5930 MEV	3.0139E-03	FU155	0.0865 MEV	9.4786E-02
FU152	1.1130 MEV	8.6970E-03	PM146	0.7490 MEV	9.9991E-02	RH106	0.5120 MEV	4.6155E-03	CE144	0.0801 MEV	1.5324E-03
FU152	1.0870 MEV	7.4546E-03	PM146	0.7450 MEV	8.5707E-02	PM146	0.4530 MEV	1.8570E-01	FU155	0.0600 MEV	3.7757E-03
FU154	1.0070 MEV	1.2809E-02	FU144	0.7250 MEV	1.5823E-02	FU152	0.4442 MEV	2.2612E-03	FU155	0.0453 MEV	2.1632E-03
FU154	0.9980 MEV	1.0548E-02	FU154	0.7060 MEV	3.0139E-03	FU152	0.4112 MEV	1.3667E-03	FU155	0.0265 MEV	3.7757E-03
FU152	0.9650 MEV	8.3183E-03	PR144	0.6970 MEV	1.0497E-03	FU152	0.3442 MEV	1.6773E-02			
FU154	0.8750 MEV	9.7950E-03	FU144	0.6940 MEV	2.2604E-03	FU152	0.2447 MEV	4.9697E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.6000 MEV TO 0.0265 MEV

IRRADIATION TIME 3.650E 03 DAY 0.0

HR 0.0

MIN 0.0

SEC

**COOLING TIME

** 1.825E 03 DAY 0.0

HR 0.0

MIN 0.0

SEC

**TOTAL GAMMA INTENSITY = 8.90422E 08 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
FU154	1.6000 MEV	2.9484E-03	FU152	0.9650 MEV	1.1639E-02	FU154	0.6940 MEV	2.9484E-03	FU154	0.1229 MEV	3.4398E-02
FU152	1.4080 MEV	1.7071E-02	FU144	0.8750 MEV	1.2777E-02	BA137*	0.6616 MEV	3.2739E-01	FU155	0.1053 MEV	2.8577E-02
FU152	1.2980 MEV	1.3191E-03	FU142	0.8690 MEV	3.1814E-03	PM146	0.6350 MEV	7.5700E-03	FU154	0.0865 MEV	4.4634E-02
FU154	1.2770 MEV	4.1278E-02	FU142	0.7790 MEV	1.0863E-02	FU154	0.5930 MEV	3.9312E-03	FU155	0.0600 MEV	1.7779E-03
FU152	1.2130 MEV	1.0087E-03	FU144	0.7590 MEV	2.9484E-03	PM146	0.4530 MEV	1.6402E-01	FU155	0.0453 MEV	1.0186E-03
FU152	1.1130 MEV	1.0863E-02	PM146	0.7490 MEV	8.8316E-02	FU152	0.4442 MEV	2.8245E-03	FU154	0.0265 MEV	1.7779E-03
FU152	1.0870 MEV	9.3115E-03	PM146	0.7450 MEV	7.5700E-02	FU152	0.4112 MEV	1.7071E-03			
FU154	1.0070 MEV	1.6708E-02	FU144	0.7250 MEV	2.0639E-02	FU152	0.3442 MEV	2.0951E-02			
FU154	0.9980 MEV	1.3758E-02	FU144	0.7060 MEV	3.9312E-03	FU152	0.2447 MEV	6.2077E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.6000 MEV TO 0.0865 MEV

IRRADIATION TIME 3.650F 03 DAY 0.0

HR 0.0

MIN 0.0

SEC

**COOLING TIME ** 3.650F 03 DAY 0.0

HR 0.0

MIN 0.0

SEC

**TOTAL GAMMA INTENSITY = 5.74165F 08 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
FU154	1.6000 MEV	3.6820F-03	FU154	0.9980 MEV	1.7183E-02	FU154	0.7250 MEV	2.5774E-02	FU152	0.4112 MEV	1.9833E-03
FU152	1.4080 MEV	1.9833F-02	FU152	0.9650 MEV	1.3523E-02	FU154	0.7060 MEV	4.9093E-03	FU152	0.3442 MEV	2.4341E-02
FU152	1.2980 MEV	1.5326F-03	FU154	0.8750 MEV	1.5955E-02	FU154	0.6940 MEV	3.6820F-03	FU152	0.2447 MEV	7.2121E-03
FU154	1.2770 MEV	5.1548F-02	FU152	0.8690 MEV	3.6962E-03	RA137*	0.6616 MEV	4.9233E-01	FU154	0.1229 MEV	4.2956E-02
FU152	1.2130 MEV	1.1720F-03	FU152	0.7790 MEV	1.2621E-02	PM146	0.6350 MEV	4.9359E-03	FU154	0.1053 MEV	6.5317E-03
FU152	1.1130 MEV	1.2621F-02	FU154	0.7590 MEV	3.6820E-03	FU154	0.5930 MEV	4.9093E-03	FU154	0.0865 MEV	1.0202E-02
FU152	1.0870 MEV	1.0818F-02	PM146	0.7490 MEV	5.7485F-02	PM146	0.4530 MEV	1.0694F-01			
FU154	1.0070 MEV	2.0865F-02	PM146	0.7450 MEV	4.9359E-02	FU152	0.4442 MEV	3.2815E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.6000 MEV TO 0.1229 MEV

IRRADIATION TIME 3.650F 03 DAY 0.0

HR 0.0

MIN 0.0

SEC

**COOLING TIME ** 7.300E 03 DAY 0.0

HR 0.0

MIN 0.0

SEC

**TOTAL GAMMA INTENSITY = 3.38342E 08 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
FU154	1.6000 MEV	4.0515F-03	FU154	0.9980 MEV	1.8907E-02	FU154	0.7250 MEV	2.8361F-02	FU152	0.4112 MEV	1.8889E-03
FU152	1.4080 MEV	1.8889F-02	FU152	0.9650 MEV	1.2479E-02	FU154	0.7060 MEV	5.4021E-03	FU152	0.3442 MEV	2.3183E-02
FU152	1.2980 MEV	1.4596F-03	FU154	0.8750 MEV	1.7557E-02	FU154	0.6940 MEV	4.0515F-03	FU152	0.2447 MEV	6.8689E-03
FU154	1.2770 MEV	5.6722E-02	FU152	0.8690 MEV	3.5203E-03	RA137*	0.6616 MEV	6.0925F-01	FU154	0.1229 MEV	4.7268E-02
FU152	1.2130 MEV	1.1162E-03	FU152	0.7790 MEV	1.2021F-02	PM146	0.6350 MEV	1.4807F-03			
FU152	1.1130 MEV	1.2021F-02	FU154	0.7590 MEV	4.0515E-03	FU154	0.5930 MEV	5.4021F-03			
FU152	1.0870 MEV	1.0303F-02	PM146	0.7490 MEV	1.7275E-02	PM146	0.4530 MEV	3.2082E-02			
FU154	1.0070 MEV	2.2959E-02	PM146	0.7450 MEV	1.4807E-02	FU152	0.4442 MEV	3.1253E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.6000 MEV TO 0.1229 MEV

IRRADIATION TIME 3.650E 03 DAY 0.0

HR 0.0

MIN 0.0

SEC

**COOLING TIME ** 1.825E 04 DAY 0.0

HR 0.0

MIN 0.0

SEC

**TOTAL GAMMA INTENSITY = 1.29553E 08 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
FU154	1.6000 MEV	2.8847F-03	FU154	0.9980 MEV	1.3462E-02	FU154	0.7250 MEV	2.0193E-02	FU152	0.3442 MEV	1.0703E-02
FU152	1.4080 MEV	8.7210E-03	FU152	0.9650 MEV	5.9461E-03	FU154	0.7060 MEV	3.8463E-03	FU152	0.2447 MEV	3.1713E-03
FU154	1.2770 MEV	4.0386F-02	FU154	0.8750 MEV	1.2501E-02	FU154	0.6940 MEV	2.8847E-03	FU154	0.1229 MEV	3.3655E-02
FU152	1.1130 MEV	5.5497E-03	FU152	0.8690 MEV	1.6253E-03	RA137*	0.6616 MEV	7.9556E-01			
FU152	1.0870 MEV	4.7569F-03	FU152	0.7790 MEV	5.5497E-03	FU154	0.5930 MEV	3.8463F-03			
FU154	1.0070 MEV	1.6347F-02	FU154	0.7590 MEV	2.8847E-03	FU152	0.4442 MEV	1.4429E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.6000 MEV TO 0.1229 MEV

IRRADIATION TIME 3.650F 03 DAY 0.0

HR 0.0

MIN 0.0

SEC

**COOLING TIME ** 3.650E 04 DAY 0.0

HR 0.0

MIN 0.0

SEC

**TOTAL GAMMA INTENSITY = 3.50996E 07 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
FU154	1.6000 MEV	1.2205F-03	FU154	0.9980 MEV	5.6958E-03	FU154	0.7250 MEV	8.5437E-03	FU152	0.3442 MEV	2.1998E-03
FU152	1.4080 MEV	1.7924F-03	FU152	0.9650 MEV	1.2221E-03	FU154	0.7060 MEV	1.6274E-03	FU154	0.1229 MEV	1.4240E-02
FU154	1.2770 MEV	1.7087F-02	FU154	0.8750 MEV	5.2890E-03	FU154	0.6940 MEV	1.2205E-03			
FU152	1.1130 MEV	1.1406E-03	FU152	0.7790 MEV	1.1406E-03	RA137*	0.6616 MEV	9.2491E-01			
FU154	1.0070 MEV	6.9163F-03	FU154	0.7590 MEV	1.2205E-03	FU154	0.5930 MEV	1.6274F-03			

Table 3.8. Relative intensities of γ rays of FP for ^{239}Pu fissions by the irradiation of thermal neutrons for 1 year.

 ** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 3.1300 MEV TO 0.0238 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **COOLING TIME ** 3.650E 01 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 2.99292E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	2.7452E-03	NR 95	0.7645 MEV	6.3816E-02	LA140	0.4870 MEV	3.7609E-02	CF144	0.1335 MEV	5.6366E-03
LA140	2.5300 MEV	3.6603E-03	LA140	0.7520 MEV	4.5753E-03	PM146	0.4530 MEV	3.1821E-02	BA140	0.1320 MEV	1.3519E-03
LA140	1.5970 MEV	7.8238E-02	PM146	0.7490 MEV	1.7134E-02	ND147	0.4420 MEV	1.1886E-03	FU154	0.1229 MEV	3.0836E-03
FU152	1.4080 MEV	2.0498E-03	PM146	0.7450 MEV	1.4687E-02	RU103	0.4400 MEV	2.8015E-03	FU155	0.1053 MEV	6.0154E-03
FU154	1.2770 MEV	3.7003E-03	FU154	0.7250 MEV	1.8501E-03	LA140	0.4360 MEV	2.1962E-03	ND147	0.0910 MEV	1.6046E-02
FU152	1.1130 MEV	1.3044E-03	PR144	0.6970 MEV	1.2753E-03	BA140	0.4360 MEV	3.9763E-03	FU155	0.0865 MEV	9.3954E-03
FU152	1.0870 MEV	1.1180E-03	RA137*	0.6616 MEV	3.5463E-03	SB125	0.4270 MEV	1.8039E-03	CF144	0.0801 MEV	1.8619E-03
FU154	1.0070 MEV	1.4977E-03	PM146	0.6350 MEV	1.4687E-03	FU152	0.3442 MEV	2.5156E-03	RU103	0.0530 MEV	2.1789E-03
FU154	0.9980 MEV	1.2334E-03	RH106	0.6200 MEV	5.7916E-03	AG111	0.3420 MEV	2.6638E-03	RH103*	0.0400 MEV	1.2956E-03
FU152	0.9650 MEV	1.3976E-03	RU103	0.6100 MEV	1.5626E-02	LA140	0.3290 MEV	1.8576E-02	BA140	0.0300 MEV	1.0338E-02
LA140	0.9240 MEV	9.1507E-03	RU103	0.5500 MEV	6.2567E-03	ND147	0.3220 MEV	1.9018E-03	SN119*	0.0238 MEV	7.3155E-03
FU154	0.8750 MEV	1.1453E-03	BA140	0.5360 MEV	2.5062E-02	BA140	0.3040 MEV	5.5668E-03			
LA140	0.8680 MEV	4.5753E-03	ND147	0.5330 MEV	7.7259E-03	RU103	0.2970 MEV	1.8677E-03			
LA140	0.8150 MEV	1.7203E-02	RH106	0.5120 MEV	1.3170E-02	BA140	0.1620 MEV	6.3621E-03			
FU152	0.7790 MEV	1.3044E-03	RU143	0.5000 MEV	2.7523E-01	CE141	0.1454 MEV	2.0015E-01			

 ** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 2.5300 MEV TO 0.0238 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **COOLING TIME ** 7.300E 01 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 1.41791E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	2.5300 MEV	1.0704E-03	LA140	0.8150 MEV	5.0310E-03	ND147	0.5330 MEV	1.6692E-03	RA140	0.1620 MEV	1.8605E-03
PR144	2.1860 MEV	1.1492E-03	FU152	0.7790 MEV	2.7374E-03	RH106	0.5120 MEV	2.5947E-02	CE141	0.1454 MEV	1.9627E-01
LA140	1.5970 MEV	2.2880E-02	NR 95	0.7645 MEV	6.5574E-02	RU103	0.5000 MEV	3.0668E-01	CF144	0.1335 MEV	1.0884E-02
FU152	1.4080 MEV	4.3017E-03	LA140	0.7520 MEV	1.3380E-03	LA140	0.4870 MEV	1.0999E-02	FU154	0.1229 MEV	6.4806E-03
FU154	1.2770 MEV	7.7768E-03	PM146	0.7490 MEV	3.5546E-02	SB125	0.4620 MEV	1.1536E-03	FU155	0.1053 MEV	1.2220E-02
FU152	1.1130 MEV	2.7374E-03	PM146	0.7450 MEV	3.0468E-02	PM146	0.4530 MEV	6.6014E-02	ND147	0.0910 MEV	3.4669E-03
FU152	1.0870 MEV	2.3464E-03	FU154	0.7250 MEV	3.8884E-03	RU103	0.4400 MEV	3.1216E-03	FU155	0.0865 MEV	1.9087E-02
RH106	1.0600 MEV	1.6093E-03	PR144	0.6970 MEV	2.4625E-03	BA140	0.4360 MEV	1.1628E-03	CE144	0.0801 MEV	3.5951E-03
FU154	1.0070 MEV	3.1477E-03	RA137*	0.6616 MEV	7.0470E-03	SB125	0.4270 MEV	3.7212E-03	RU103	0.0530 MEV	2.4279E-03
FU154	0.9980 MEV	2.5923E-03	PM146	0.6350 MEV	3.0468E-03	RU103	0.3570 MEV	1.0405E-03	RH103*	0.0400 MEV	1.4436E-03
TR160	0.9663 MEV	1.0269E-03	SR125	0.6130 MEV	1.3396E-03	FU152	0.3442 MEV	5.2793E-03	RA140	0.0300 MEV	3.0234E-03
FU152	0.9650 MEV	2.9330E-03	RH106	0.6200 MEV	1.1410E-02	LA140	0.3290 MEV	5.4324E-03	SN119*	0.0238 MEV	1.3955E-02
LA140	0.9240 MEV	2.6760E-03	RU103	0.6100 MEV	1.7411E-02	RA140	0.3040 MEV	1.6280E-03			
TR160	0.8793 MEV	1.4469E-03	SR125	0.5970 MEV	1.9722E-03	TR160	0.2985 MEV	1.4003E-03			
FU154	0.8750 MEV	2.4071E-03	RU103	0.5500 MEV	6.9715E-03	RU103	0.2970 MEV	2.0810E-03			
LA140	0.8680 MEV	1.3380E-03	RA140	0.5360 MEV	6.7445E-03	FU152	0.2447 MEV	1.5642E-03			

 ** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 2.1860 MEV TO 0.0238 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **COOLING TIME ** 1.825E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 5.18811E 08 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
PR144	2.1860 MEV	2.4041E-03	FU152	0.7790 MEV	7.3529E-03	SR125	0.6040 MEV	1.6952E-03	FU152	0.2447 MEV	4.2016E-03
FU154	1.6000 MEV	1.4985E-03	NR 95	0.7645 MEV	2.0837E-02	SB125	0.5970 MEV	4.9915E-03	SB125	0.1760 MEV	2.1661E-03
FU152	1.4080 MEV	1.1555E-02	FU154	0.7590 MEV	1.4985E-03	FU154	0.5930 MEV	1.9980E-03	CF144	0.1454 MEV	5.3778E-02
FU154	1.2770 MEV	2.0980E-02	PM146	0.7490 MEV	9.2262E-02	RU103	0.5500 MEV	2.8026E-03	CE144	0.1335 MEV	2.2769E-02
RH106	1.1400 MEV	1.0847E-02	PM146	0.7450 MEV	7.9051E-02	RH106	0.5120 MEV	5.7665E-02	FU154	0.1229 MEV	1.7483E-02
FU152	1.1130 MEV	7.3529E-03	FU154	0.7250 MEV	1.0490E-02	RU103	0.5000 MEV	1.2329E-01	FU155	0.1053 MEV	2.9773E-02
FU152	1.0870 MEV	6.3025E-03	FU154	0.7060 MEV	1.4988E-03	SB125	0.4620 MEV	2.9196E-03	FU155	0.0865 MEV	4.6502E-02
RH106	1.0600 MEV	3.5766E-03	PR144	0.6970 MEV	5.1517E-03	PM146	0.4530 MEV	1.7128E-01	CE144	0.0801 MEV	7.5211E-03
FU154	1.0070 MEV	8.4917E-03	FU154	0.6940 MEV	1.4085E-03	FU152	0.4442 MEV	1.6118E-03	FU155	0.0600 MEV	1.8524E-03
FU154	0.9980 MEV	6.9932E-03	RA137*	0.6616 MEV	1.9126E-02	RU103	0.4400 MEV	1.2549E-03	FU155	0.0453 MEV	1.0613E-03
FU152	0.9650 MEV	7.8781E-03	PM146	0.6350 MEV	7.9051E-03	SR125	0.4270 MEV	9.4180E-03	FU155	0.0265 MEV	1.8524E-03
TR160	0.8793 MEV	1.3800E-03	SR125	0.6330 MEV	3.3905E-03	FU152	0.4112 MEV	1.1555E-03	SN119*	0.0238 MEV	2.8153E-02
FU154	0.8750 MEV	6.4937E-03	RH106	0.6200 MEV	2.5358E-02	FU152	0.3442 MEV	1.4181E-02			
FU152	0.8690 MEV	2.1533E-03	RU103	0.6100 MEV	6.9996E-03	TR160	0.2985 MEV	1.3356E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 2.1860 MEV TO 0.0238 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0

HR 0.0

MIN 0.0

SEC

**COOLING TIME ** 3.650E 02 DAY 0.0

HR 0.0

MIN 0.0

SEC

**TOTAL GAMMA INTENSITY = 3.56800E 08 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
PR144	2.1860 MEV	2.2392E-03	FU152	0.8690 MEV	3.0420E-03	SR125	0.6040 MEV	2.1680E-03	CE141	0.1454 MEV	1.6919E-03
FU154	1.6000 MEV	2.1323E-03	FU152	0.7790 MEV	1.0387E-02	SR125	0.5970 MEV	6.3837E-03	CF144	0.1335 MEV	2.1208E-02
FU152	1.4080 MEV	1.6323E-02	FU154	0.7590 MEV	2.1323E-03	FU154	0.5930 MEV	2.8430E-03	FU154	0.1229 MEV	2.4677E-02
FU152	1.2980 MEV	1.2613E-03	PM146	0.7490 MEV	1.2297E-01	RH106	0.5120 MEV	5.9402E-02	FU155	0.1053 MEV	3.5748E-02
FU154	1.2770 MEV	2.9832E-02	PM146	0.7450 MEV	1.0541E-01	RU103	0.5000 MEV	7.3482E-03	FU155	0.0865 MEV	5.5835E-02
RH106	1.1400 MEV	1.1174E-03	FU154	0.7250 MEV	1.6926E-02	SR125	0.4620 MEV	3.7339E-03	CE144	0.0801 MEV	7.0053E-03
FU152	1.1130 MEV	1.0387E-02	FU154	0.7060 MEV	2.8630E-03	PM146	0.4530 MEV	2.2838E-01	FU155	0.0600 MEV	2.2241E-03
FU152	1.0870 MEV	8.9033E-03	PR144	0.6970 MEV	4.7983E-03	FU152	0.4442 MEV	2.7007E-03	FU155	0.0453 MEV	1.2742E-03
RH106	1.0600 MEV	3.6843E-03	FU154	0.6940 MEV	2.1323E-03	SR125	0.4270 MEV	1.2043E-02	FU155	0.0265 MEV	2.2241E-03
FU154	1.0070 MEV	1.2083E-02	RA137*	0.6616 MEV	2.7492E-02	FU152	0.4112 MEV	1.6323E-02	SN119*	0.0238 MEV	2.4681E-02
FU154	0.9980 MEV	9.9506E-03	PM146	0.6350 MEV	1.0541E-02	FU152	0.3442 MEV	2.0032E-02			
FU152	0.9650 MEV	1.1129E-02	SR125	0.6330 MEV	4.3361E-03	FU152	0.2447 MEV	5.9355E-03			
FU154	0.8750 MEV	4.2399E-03	RH106	0.6200 MEV	2.6122E-02	SR125	0.1760 MEV	2.7703E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 2.1860 MEV TO 0.0238 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0

HR 0.0

MIN 0.0

SEC

**COOLING TIME ** 7.300E 02 DAY 0.0

HR 0.0

MIN 0.0

SEC

**TOTAL GAMMA INTENSITY = 2.74559E 08 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
PR144	2.1860 MEV	1.1769E-03	FU154	0.8750 MEV	1.1333E-02	SR125	0.6330 MEV	4.2965E-03	FU152	0.2447 MEV	7.1760E-03
FU154	1.6000 MEV	2.6154E-03	FU152	0.8690 MEV	3.6777E-03	RH106	0.6200 MEV	1.6793E-02	SR125	0.1760 MEV	2.7450E-03
FU152	1.4080 MEV	1.9734E-02	FU152	0.7790 MEV	1.2558E-02	SR125	0.6040 MEV	2.1482E-03	CF144	0.1335 MEV	1.1146E-02
FU152	1.2980 MEV	1.5249E-03	FU154	0.7590 MEV	2.6154E-03	SR125	0.5970 MEV	6.3254E-03	FU154	0.1229 MEV	3.0513E-02
FU154	1.2770 MEV	3.6616E-02	PM146	0.7490 MEV	1.3745E-01	FU154	0.5930 MEV	3.4872E-03	FU155	0.1053 MEV	3.1221E-02
FU152	1.2130 MEV	1.1661E-03	PM146	0.7450 MEV	1.1353E-01	RH106	0.5120 MEV	3.8187E-02	FU155	0.0865 MEV	4.8764E-02
FU152	1.1130 MEV	1.2558E-02	FU154	0.7250 MEV	1.8308E-02	SR125	0.4620 MEV	3.6997E-03	CF144	0.0801 MEV	3.6817E-03
FU152	1.0870 MEV	1.0764E-02	FU154	0.7060 MEV	3.4872E-03	PM146	0.4530 MEV	2.4598E-01	FU155	0.0600 MEV	1.9425E-03
RH106	1.0600 MEV	2.3684E-03	PR144	0.6970 MEV	2.5218E-03	FU152	0.4442 MEV	3.2651E-03	FU155	0.0453 MEV	1.1129E-03
FU154	1.0070 MEV	1.4821E-02	FU154	0.6940 MEV	2.6154E-03	SR125	0.4270 MEV	1.1935E-02	FU155	0.0265 MEV	1.9425E-03
FU154	0.9980 MEV	1.2205E-02	RA137*	0.6616 MEV	3.4409E-02	FU152	0.4112 MEV	1.0734E-03	SN119*	0.0238 MEV	1.1491E-02
FU152	0.9650 MEV	1.3455E-02	PM146	0.6350 MEV	1.1353E-02	FU152	0.3442 MEV	2.4219E-02			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.6000 MEV TO 0.0265 MEV

IRRADIATION TIME 3.640E 02 DAY 0.0

HR 0.0

MIN 0.0

SEC

**COOLING TIME ** 1.825E 03 DAY 0.0

HR 0.0

MIN 0.0

SEC

**TOTAL GAMMA INTENSITY = 1.67585E 08 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
FU154	1.6000 MEV	3.8175E-03	FU154	0.8750 MEV	1.6542E-02	SR125	0.6330 MEV	3.3061E-03	FU152	0.3442 MEV	3.3852E-02
FU152	1.4080 MEV	2.7583E-02	FU152	0.8690 MEV	5.1405E-03	RH106	0.6200 MEV	3.5288E-03	FU152	0.2447 MEV	1.0030E-02
FU152	1.2980 MEV	2.1314E-03	FU152	0.7790 MEV	1.7553E-02	SR125	0.6040 MEV	1.6530E-03	SR125	0.1760 MEV	2.1122E-03
FU154	1.2770 MEV	5.3445E-02	FU154	0.7590 MEV	3.8175E-03	SR125	0.5970 MEV	4.8673E-03	CE144	0.1335 MEV	1.2798E-03
FU152	1.2130 MEV	1.6299E-03	PM146	0.7490 MEV	1.3091E-01	FU154	0.5930 MEV	5.0900E-03	FU154	0.1229 MEV	4.4537E-02
FU152	1.1130 MEV	1.7553E-02	PM146	0.7450 MEV	1.1221E-01	RH106	0.5120 MEV	8.0245E-03	FU155	0.1053 MEV	1.6452E-02
FU152	1.0870 MEV	1.5045E-02	FU154	0.7250 MEV	2.6722E-02	SR125	0.4620 MEV	2.8469E-03	FU155	0.0865 MEV	2.5695E-02
FU154	1.0070 MEV	2.1632E-02	FU154	0.7060 MEV	5.0000E-03	PM146	0.4530 MEV	2.4312E-01	FU155	0.0600 MEV	1.0236E-03
FU152	1.0060 MEV	1.0030E-03	FU154	0.6940 MEV	3.8175E-03	FU152	0.4442 MEV	4.5637E-03	FU155	0.0265 MEV	1.0236E-03
FU154	0.9980 MEV	1.7815E-02	RA137*	0.6616 MEV	5.3365E-02	SR125	0.4270 MEV	9.1836E-03			
FU152	0.9650 MEV	1.8807E-02	PM146	0.6350 MEV	1.1221E-02	FU152	0.4112 MEV	2.7583E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.6000 MEV TO 0.0865 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0

HR 0.0

MIN 0.0

SEC

**COOLING TIME ** 3.650E 03 DAY 0.0

HR 0.0

MIN 0.0

SEC

**TOTAL GAMMA INTENSITY = 9.28367E 07 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
FU154	1.6000 MEV	5.5491E-03	FU152	0.9650 MEV	2.5433E-02	RA137*	0.6616 MEV	8.5822E-02	FU152	0.3670 MEV	1.0173E-03
FU152	1.4080 MEV	3.7302E-02	FU154	0.8750 MEV	2.4046E-02	PM146	0.6350 MEV	8.5162E-03	FU152	0.3442 MEV	4.5780E-02
FU152	1.2980 MEV	2.8874E-03	FU152	0.8690 MEV	6.9517E-03	SR125	0.6330 MEV	1.6534E-03	FU152	0.2447 MEV	1.3564E-02
FU154	1.2770 MEV	7.7687E-02	FU152	0.7790 MEV	2.3738E-02	SR125	0.5970 MEV	2.4341E-03	SR125	0.1760 MEV	1.0563E-03
FU152	1.2130 MEV	2.2042E-03	FU154	0.7590 MEV	5.5491E-03	FU154	0.5930 MEV	7.3988E-03	FU154	0.1229 MEV	6.4740E-02
FU152	1.1130 MEV	2.3738E-02	FU154	0.7490 MEV	9.9562E-02	SR125	0.4620 MEV	1.4237E-03	FU155	0.1053 MEV	4.3770E-03
FU152	1.0870 MEV	2.0346E-02	PM146	0.7450 MEV	8.5162E-02	PM146	0.4530 MEV	1.8452E-01	FU155	0.0865 MEV	6.8364E-03
FU154	1.0070 MEV	3.1445E-02	FU154	0.7250 MEV	3.8844E-02	FU152	0.4442 MEV	6.1718E-03			
FU152	1.0060 MEV	1.4564E-03	FU154	0.7060 MEV	7.3988E-03	SR125	0.4270 MEV	4.5927E-03			
FU154	0.9980 MEV	2.5896E-02	FU154	0.6940 MEV	5.5491E-03	FU152	0.4112 MEV	3.7302E-03			

Table 3.9.

Relative intensities of γ rays of FP for ^{239}Pu fissions
by the irradiation of fast neutrons for 1 year.

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 3.1300 MEV TO 0.0300 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
**COOLING TIME ** 3.650E 01 DAY 0.0 HR 0.0 MIN 0.0 SEC
**TOTAL GAMMA INTENSITY = 4.94367E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	1.5719E-03	LA140	0.7520 MEV	2.6198E-03	LA140	0.4870 MEV	2.1535E-02	CE144	0.1335 MEV	8.1357E-03
LA140	2.5300 MEV	2.0958E-03	ZR 95	0.7240 MEV	1.1077E-01	RU103	0.4400 MEV	1.7881E-03	ND147	0.0910 MEV	3.5648E-03
LA140	1.5970 MEV	4.4798E-02	PR144	0.6970 MEV	1.8407E-03	LA140	0.4360 MEV	1.2575E-03	FU155	0.0865 MEV	1.2364E-03
CS136	1.0600 MEV	1.1597E-03	RA137*	0.6616 MEV	7.6751E-03	BA140	0.4360 MEV	2.2768E-03	XE133	0.0810 MEV	1.3385E-03
RH106	1.0600 MEV	1.7179E-03	RH106	0.6200 MEV	1.2181E-02	I 131	0.3640 MEV	7.9161E-03	CE144	0.0801 MEV	2.6873E-03
LA140	0.9240 MEV	5.2395E-03	RU103	0.6100 MEV	9.9735E-03	LA140	0.3290 MEV	1.0636E-02	RU103	0.0530 MEV	1.3907E-03
LA140	0.8680 MEV	2.6198E-03	RU103	0.5500 MEV	3.9634E-03	BA140	0.3040 MEV	3.1875E-03	BA140	0.0300 MEV	5.9196E-03
CS136	0.8300 MEV	1.3806E-03	RA140	0.5360 MEV	1.3705E-02	RU103	0.2970 MEV	1.1921E-03			
LA140	0.8150 MEV	9.8503E-03	ND147	0.5330 MEV	1.7164E-03	NB 95*	0.2350 MEV	1.1345E-03			
NB 95	0.7645 MEV	2.9744E-01	RH106	0.5120 MEV	2.7698E-02	BA140	0.1620 MEV	3.6428E-03			
ZR 95	0.7560 MEV	1.1077E-01	RU103	0.5000 MEV	1.7567E-01	CE141	0.1454 MEV	5.8370E-02			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 2.1860 MEV TO 0.0300 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
**COOLING TIME ** 7.300E 01 DAY 0.0 HR 0.0 MIN 0.0 SEC
**TOTAL GAMMA INTENSITY = 2.99137E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
PR144	2.1860 MEV	1.2986E-03	PR144	0.6970 MEV	2.7828E-03	LA140	0.4870 MEV	4.9307E-03	FU155	0.1053 MEV	1.2591E-03
LA140	1.5970 MEV	1.0257E-02	BA137*	0.6616 MEV	1.2655E-02	RU103	0.4400 MEV	1.5599E-03	FU155	0.0865 MEV	1.9666E-03
RH106	1.0600 MEV	2.6500E-03	RH106	0.6200 MEV	1.8789E-02	SB125	0.4270 MEV	1.2179E-03	CE144	0.0801 MEV	4.0627E-03
LA140	0.9240 MEV	1.1997E-03	RU103	0.6100 MEV	8.7008E-03	LA140	0.3290 MEV	2.4354E-03	RU103	0.0530 MEV	1.2133E-03
LA140	0.8150 MEV	2.2554E-03	RU103	0.5500 MEV	3.4838E-03	RU103	0.2970 MEV	1.0399E-03	BA140	0.0300 MEV	1.3554E-03
NB 95	0.7645 MEV	3.9449E-01	BA140	0.5360 MEV	3.0236E-03	NB 95*	0.2350 MEV	1.2705E-03			
ZR 95	0.7560 MEV	1.2404E-01	RH106	0.5120 MEV	4.2726E-02	CE141	0.1454 MEV	4.4814E-02			
ZR 95	0.7240 MEV	1.2404E-01	RU103	0.5000 MEV	1.5325E-01	CE144	0.1335 MEV	1.2299E-02			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 2.1860 MEV TO 0.0801 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
**COOLING TIME ** 1.825E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
**TOTAL GAMMA INTENSITY = 1.04505E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
PR144	2.1860 MEV	2.8455E-03	ZR 95	0.7240 MEV	1.1045E-01	RU103	0.5500 MEV	1.4669E-03	CE144	0.1335 MEV	2.6950E-02
PR144	1.4870 MEV	1.1788E-03	PR144	0.6970 MEV	6.0974E-03	RH106	0.5120 MEV	9.9451E-02	FU155	0.1053 MEV	3.2130E-03
RH106	1.1400 MEV	1.8707E-03	RA137*	0.6616 MEV	3.5973E-02	RU103	0.5000 MEV	6.4527E-02	FU155	0.0865 MEV	5.0183E-03
RH106	1.0600 MEV	6.1683E-03	SB125	0.6930 MEV	1.1622E-03	SB125	0.4620 MEV	1.0008E-03	CE144	0.0801 MEV	8.9019E-03
RH106	0.8600 MEV	1.6685E-03	RH106	0.6200 MEV	4.3734E-02	SB125	0.4270 MEV	3.2283E-03			
NB 95	0.7645 MEV	4.3863E-01	RU103	0.6100 MEV	3.6635E-03	NB 95*	0.2350 MEV	1.1314E-03			
ZR 95	0.7560 MEV	1.1045E-01	SB125	0.5970 MEV	1.7110E-03	CE141	0.1454 MEV	1.2860E-02			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 2.1860 MEV TO 0.0801 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **COOLING TIME ** 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 3.06402E 08 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
PR144	2.1860 MEV	6.2167E-03	ZR 95	0.7560 MEV	5.3809E-02	SB125	0.6040 MEV	1.7432E-03	SB125	0.1760 MEV	2.2274E-03
PR144	1.4870 MEV	2.5755E-03	ZR 95	0.7240 MEV	5.3809E-02	SB125	0.5970 MEV	5.1328E-03	CE144	0.1335 MEV	5.8879E-02
RH106	1.1400 MEV	4.5202E-03	PR144	0.6970 MEV	1.3321E-02	RH106	0.5120 MEV	2.4030E-01	EU155	0.1053 MEV	9.0489E-03
RH106	1.0600 MEV	1.4904E-02	BA137*	0.6616 MEV	1.2129E-01	RH106	0.5000 MEV	9.0212E-03	EU155	0.0865 MEV	1.4133E-02
RH106	0.8600 MEV	4.0315E-03	SB125	0.6330 MEV	3.4864E-03	SB125	0.4620 MEV	3.0022E-03	CE144	0.0801 MEV	1.9449E-02
NB 95	0.7645 MEV	2.3374E-01	RH106	0.6200 MEV	1.0567E-01	SB125	0.4270 MEV	9.6845E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 2.1860 MEV TO 0.0801 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **COOLING TIME ** 7.300E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 1.20191E 08 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
PR144	2.1860 MEV	6.5028E-03	ZR 95	0.7560 MEV	2.7985E-03	SB125	0.6040 MEV	3.4378E-03	EU155	0.1053 MEV	1.5729E-02
RH106	1.5000 MEV	1.2505E-03	ZR 95	0.7240 MEV	2.7985E-03	SB125	0.5970 MEV	1.0122E-02	EU155	0.0865 MEV	2.4567E-02
PR144	1.4870 MEV	2.6940E-03	PR144	0.6970 MEV	1.3935E-02	RH106	0.5120 MEV	3.0746E-01	CE144	0.0801 MEV	2.0344E-02
RH106	1.1400 MEV	5.7834E-03	SB125	0.6680 MEV	1.1459E-03	SB125	0.4620 MEV	5.9206E-03			
RH106	1.0600 MEV	1.9070E-02	BA137*	0.6616 MEV	3.0513E-01	SB125	0.4270 MEV	1.9099E-02			
RH106	0.8600 MEV	5.1582E-03	SB125	0.6330 MEV	6.8755E-03	SB125	0.1760 MEV	4.3927E-03			
NB 95	0.7645 MEV	1.2390E-02	RH106	0.6200 MEV	1.3521E-01	CE144	0.1335 MEV	6.1588E-02			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 2.1860 MEV TO 0.0356 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **COOLING TIME ** 1.825E 03 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 4.67118E 07 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
PR144	2.1860 MEV	1.1558E-03	BA137*	0.6616 MEV	7.2534E-01	SB125	0.4620 MEV	7.0523E-03	EU155	0.0865 MEV	2.0039E-02
RH106	1.1400 MEV	1.8813E-03	SB125	0.6330 MEV	8.1898E-03	SB125	0.4270 MEV	2.2749E-02	CE144	0.0801 MEV	3.6160E-03
RH106	1.0600 MEV	6.2031E-03	RH106	0.6200 MEV	4.3981E-02	SB125	0.3190 MEV	1.1375E-03	TF125*	0.0956 MEV	1.1195E-03
RH106	0.8600 MEV	1.6779E-03	SB125	0.6040 MEV	4.0949E-03	SB125	0.1760 MEV	5.2324E-03			
PR144	0.6970 MEV	2.4766E-03	SB125	0.5970 MEV	1.2057E-02	CE144	0.1335 MEV	1.0947E-02			
SB125	0.6680 MEV	1.3650E-03	RH106	0.5120 MEV	1.0001E-01	EU155	0.1053 MEV	1.2830E-02			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 0.6616 MEV TO 0.0865 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **COOLING TIME ** 3.650E 03 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 3.15345E 07 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
BA137*	0.6616 MEV	9.5718E-01	SB125	0.6040 MEV	1.6804E-03	SB125	0.4620 MEV	2.8940E-03	EU155	0.1053 MEV	2.8009E-03
SB125	0.6330 MEV	3.3607E-03	SB125	0.5970 MEV	4.9477E-03	SB125	0.4270 MEV	9.3354E-03	EU155	0.0865 MEV	4.3748E-03
RH106	0.6200 MEV	2.0746E-03	RH106	0.5120 MEV	4.7176E-03	SB125	0.1760 MEV	2.1471E-03			

Table 3.10. Relative intensities of γ rays of FP for ^{235}U fissions by the irradiation of fast neutron for 1 year.

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 3.1300 MEV TO 0.0300 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **COOLING TIME ** 3.650E 01 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 3.64534E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	3.1300 MEV	2.2132E-03	PM146	0.7490 MEV	1.1770E-02	RU103	0.5000 MEV	2.2758E-01	RA140	0.1620 MEV	5.1293E-03
LA140	2.5300 MEV	2.9510E-03	PM146	0.7450 MEV	1.0097E-02	LA140	0.4870 MEV	3.0321E-02	CE141	0.1454 MEV	1.4818E-01
LA140	1.5970 MEV	6.3074E-02	FU154	0.7250 MEV	1.3209E-03	PM146	0.4530 MEV	2.1876E-02	CE144	0.1335 MEV	1.4803E-03
FU152	1.4080 MEV	1.4227E-03	ZR 95	0.7240 MEV	1.4779E-03	RU103	0.4400 MEV	2.3165E-03	BA140	0.1320 MEV	1.0900E-03
FU154	1.2770 MEV	2.4414E-03	RA137*	0.6616 MEV	3.0033E-03	LA140	0.4360 MEV	1.7706E-03	FU154	0.1229 MEV	2.2015E-03
FU154	1.0070 MEV	1.0693E-03	PM146	0.6350 MEV	1.0097E-03	BA140	0.4300 MEV	3.2058E-03	FU155	0.1053 MEV	8.8783E-03
LA140	0.9240 MEV	7.3775E-03	RH106	0.6200 MEV	3.4621E-03	FU152	0.3442 MEV	1.7461E-03	ND147	0.0910 MEV	9.5006E-03
LA140	0.8680 MEV	3.6887E-03	RU103	0.6100 MEV	1.2921E-02	AG111	0.3420 MEV	1.5496E-03	FU155	0.0865 MEV	1.3867E-02
LA140	0.8150 MEV	1.3870E-02	RU103	0.5500 MEV	5.1735E-03	LA140	0.3270 MEV	1.4976E-02	RU103	0.0530 MEV	1.8017E-03
NR 95	0.7645 MEV	2.7789E-01	RA140	0.5360 MEV	1.8594E-02	ND147	0.3220 MEV	1.1260E-03	RH103*	0.0400 MEV	1.0713E-03
ZR 95	0.7560 MEV	1.4779E-03	ND147	0.5330 MEV	4.5743E-03	RA140	0.3040 MEV	4.4881E-03	RA140	0.0300 MEV	8.3351E-03
LA140	0.7520 MEV	3.6887E-03	RH106	0.5120 MEV	8.3277E-03	RU103	0.2970 MEV	1.5443E-03			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 1.5970 MEV TO 0.0238 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **COOLING TIME ** 7.300E 01 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 1.72634E 09 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
LA140	1.5970 MEV	1.8454E-02	FU152	0.7790 MEV	1.9008E-03	BA140	0.5360 MEV	5.4397E-03	CE144	0.1335 MEV	2.8593E-03
FU152	1.4080 MEV	2.9870E-03	NR 95	0.7645 MEV	2.8751E-01	RH106	0.5120 MEV	1.6413E-02	FU154	0.1229 MEV	4.6286E-03
FU154	1.2770 MEV	5.5543E-03	ZR 95	0.7560 MEV	2.1144E-03	RU103	0.5000 MEV	2.5368E-01	FU155	0.1053 MEV	1.8043E-02
FU152	1.1130 MEV	1.9008E-03	LA140	0.7520 MEV	1.0792E-03	LA140	0.4870 MEV	8.8707E-03	ND147	0.0910 MEV	2.0535E-03
FU152	1.0870 MEV	1.6292E-03	PM146	0.7490 MEV	2.4444E-02	PM146	0.4530 MEV	4.5400E-02	FU155	0.0865 MEV	2.8181E-02
RH106	1.0600 MEV	1.0180E-03	PM146	0.7450 MEV	2.0954E-02	RU103	0.4400 MEV	2.5821E-03	FU155	0.0600 MEV	1.1226E-03
FU154	1.0070 MEV	2.2482E-03	FU154	0.7250 MEV	2.7772E-03	FU152	0.3442 MEV	3.6638E-03	RU103	0.0530 MEV	2.0083E-03
FU154	0.9980 MEV	1.8514E-03	ZR 95	0.7240 MEV	2.1146E-03	LA140	0.3290 MEV	4.3814E-03	RH103*	0.0400 MEV	1.1941E-03
FU152	0.9650 MEV	2.0366E-03	RA137*	0.6616 MEV	6.3271E-03	BA140	0.3040 MEV	1.3130E-03	RA140	0.0300 MEV	2.4385E-03
LA140	0.9240 MEV	2.1583E-03	PM146	0.6350 MEV	2.0954E-03	RU103	0.2970 MEV	1.7214E-03	FU155	0.0265 MEV	1.1226E-03
FU154	0.8750 MEV	1.7192E-03	RH106	0.6200 MEV	7.2179E-03	FU152	0.2447 MEV	1.0862E-03	SN119*	0.0238 MEV	1.6249E-03
LA140	0.8680 MEV	1.0792E-03	RU103	0.6100 MEV	1.4403E-02	BA140	0.1620 MEV	1.5006E-03			
LA140	0.8150 MEV	4.0576E-03	RU103	0.5500 MEV	5.7676E-03	CF141	0.1454 MEV	1.4536E-01			

*** TABLE OF FP GAMMA RAY INTENSITY *** ENERGY RANGE = 1.6000 MEV TO 0.0238 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **COOLING TIME ** 1.825E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 5.10887E 08 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
FU154	1.6000 MEV	1.3233E-03	NR 95	0.7645 MEV	1.1731E-01	RH106	0.6200 MEV	1.9833E-02	CE141	0.1454 MEV	4.9245E-02
FU152	1.4080 MEV	9.9198E-03	FU144	0.7590 MEV	1.3233E-03	RU103	0.6100 MEV	7.1588E-03	CE144	0.1335 MEV	7.3960E-03
FU154	1.2770 MEV	1.8526E-02	ZR 95	0.7560 MEV	2.2230E-03	FU154	0.5930 MEV	1.7644E-03	FU154	0.1229 MEV	1.5439E-02
FU152	1.1130 MEV	6.3126E-03	PM146	0.7490 MEV	7.8421E-02	RU103	0.5500 MEV	2.8664E-03	FU155	0.1053 MEV	5.4353E-02
FU152	1.0870 MEV	5.4104E-03	PM146	0.7450 MEV	6.7518E-02	RH106	0.5120 MEV	4.5100E-02	FU155	0.0865 MEV	8.4893E-02
RH106	1.0600 MEV	2.7973E-03	FU144	0.7250 MEV	9.2631E-03	RU103	0.5000 MEV	1.2609E-01	CE144	0.0801 MEV	2.4430E-03
FU154	1.0070 MEV	7.4987E-03	ZR 95	0.7240 MEV	2.2230E-03	PM146	0.4530 MEV	1.4564E-01	FU155	0.0600 MEV	3.3816E-03
FU154	0.9980 MEV	6.1754E-03	FU144	0.7060 MEV	1.7644E-03	FU152	0.4442 MEV	1.6413E-03	FU155	0.0453 MEV	1.9374E-03
FU152	0.9650 MEV	6.7635E-03	PR144	0.6970 MEV	1.6734E-03	RU103	0.4400 MEV	1.2835E-03	FU155	0.0265 MEV	3.3816E-03
FU154	0.8750 MEV	5.7343E-03	FU144	0.6940 MEV	1.3233E-03	S8122	0.4270 MEV	1.6935E-03	SN119*	0.0238 MEV	4.0530E-03
FU152	0.8690 MEV	1.8487E-03	RA137*	0.6616 MEV	2.1232E-02	FU152	0.3442 MEV	1.2174E-02			
FU152	0.7790 MEV	6.3126E-03	PM146	0.6350 MEV	6.7218E-03	FU152	0.2447 MEV	3.6072E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.6000 MEV TO 0.0238 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **COOLING TIME ** 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 3.15492E 08 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
FU154	1.6000 MEV	2.0970E-03	FU152	0.7790 MEV	9.9512E-03	SB125	0.5970 MEV	1.2784E-03	FU154	0.1229 MEV	2.4465E-02
FU152	1.4080 MEV	1.5606E-02	NB 95	0.7645 MEV	6.9651E-03	EU154	0.5930 MEV	2.7959E-03	EU155	0.1053 MEV	7.2678E-02
FU152	1.2980 MEV	1.2059E-03	FU154	0.7590 MEV	2.0970E-03	RH106	0.5120 MEV	5.1739E-02	EU155	0.0865 MEV	1.1351E-01
FU154	1.2770 MEV	2.9357E-02	PM146	0.7490 MEV	1.1645E-01	RU103	0.5000 MEV	8.3695E-03	CE144	0.0801 MEV	2.5341E-03
FU152	1.1130 MEV	9.9312E-03	PM144	0.7450 MEV	9.9414E-02	PM146	0.4530 MEV	2.1626E-01	FU154	0.0600 MEV	4.5218E-03
FU152	1.0870 MEV	8.5125E-03	EU154	0.7250 MEV	1.4679E-02	EU122	0.4442 MEV	2.5821E-03	EU155	0.0453 MEV	2.5906E-03
RH106	1.0600 MEV	3.2090E-03	FU154	0.7060 MEV	2.7959E-03	SB125	0.4270 MEV	2.4120E-03	FU155	0.0265 MEV	4.5218E-03
FU154	1.0070 MEV	1.1883E-02	PR144	0.6970 MEV	1.7358E-03	EU152	0.4112 MEV	1.5606E-03	SN119*	0.0238 MEV	3.9569E-03
FU154	0.9980 MEV	9.7858E-03	FU154	0.6940 MEV	2.0970E-03	EU152	0.3442 MEV	1.9153E-02			
FU152	0.9650 MEV	1.0641E-02	BA137*	0.6616 MEV	3.3987E-02	EU152	0.2447 MEV	5.6750E-03			
FU154	0.8750 MEV	9.0864E-03	PM146	0.6350 MEV	9.9814E-03	CE144	0.1454 MEV	1.7254E-03			
FU152	0.8690 MEV	2.9084E-03	RH106	0.6200 MEV	2.2753E-02	CE144	0.1335 MEV	7.6718E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.6000 MEV TO 0.0238 MEV

IRRADIATION TIME 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **COOLING TIME ** 7.300E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 2.47635E 08 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
FU154	1.6000 MEV	2.5583E-03	FU154	0.8750 MEV	1.1086E-02	RH106	0.6200 MEV	1.4548E-02	FU154	0.1229 MEV	2.9847E-02
EU152	1.4080 MEV	1.8767E-02	EU142	0.8690 MEV	3.4974E-03	SB125	0.5970 MEV	1.2599E-03	FU155	0.1053 MEV	6.3135E-02
FU152	1.2980 MEV	1.4502E-03	FU152	0.7790 MEV	1.1942E-02	EU154	0.5930 MEV	3.4111E-03	FU155	0.0865 MEV	9.8610E-02
FU154	1.2770 MEV	3.5816E-02	FU154	0.7590 MEV	2.5583E-03	RH106	0.5120 MEV	3.3083E-02	CE144	0.0801 MEV	1.3247E-03
FU152	1.2130 MEV	1.1089E-03	PM146	0.7490 MEV	1.2475E-01	PM146	0.4530 MEV	2.3169E-01	FU154	0.0600 MEV	3.9280E-03
FU152	1.1130 MEV	1.1942E-02	PM146	0.7450 MEV	1.0693E-01	EU152	0.4442 MEV	3.1050E-03	EU155	0.0453 MEV	2.2504E-03
FU152	1.0870 MEV	1.0236E-02	EU154	0.7250 MEV	1.7908E-02	SB125	0.4270 MEV	2.3772E-03	FU155	0.0265 MEV	3.9280E-03
RH106	1.0600 MEV	2.0519E-03	EU144	0.7060 MEV	3.4111E-03	EU152	0.4112 MEV	1.8767E-03	SN119*	0.0238 MEV	1.8325E-03
FU154	1.0070 MEV	1.4497E-02	EU144	0.6940 MEV	2.5487E-03	EU152	0.3442 MEV	2.3032E-02			
FU154	0.9980 MEV	1.1939E-02	BA137*	0.6616 MEV	4.2311E-02	EU152	0.2447 MEV	6.8243E-03			
FU152	0.9650 MEV	1.2795E-02	PM146	0.6350 MEV	1.0693E-02	CE144	0.1335 MEV	4.0104E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.6000 MEV TO 0.0265 MEV

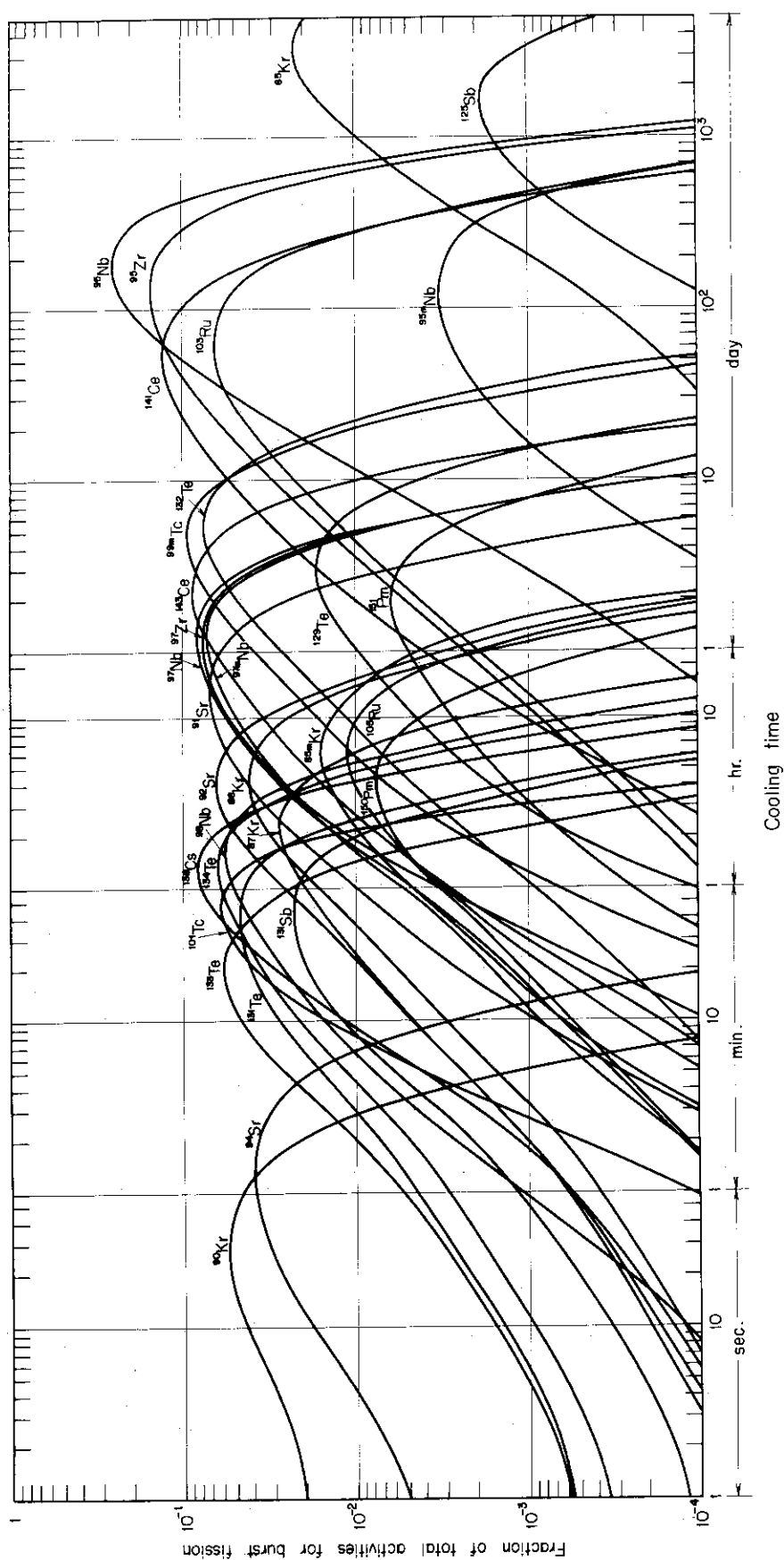
IRRADIATION TIME 3.650E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **COOLING TIME ** 1.825E 03 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 1.47837E 08 DPS **

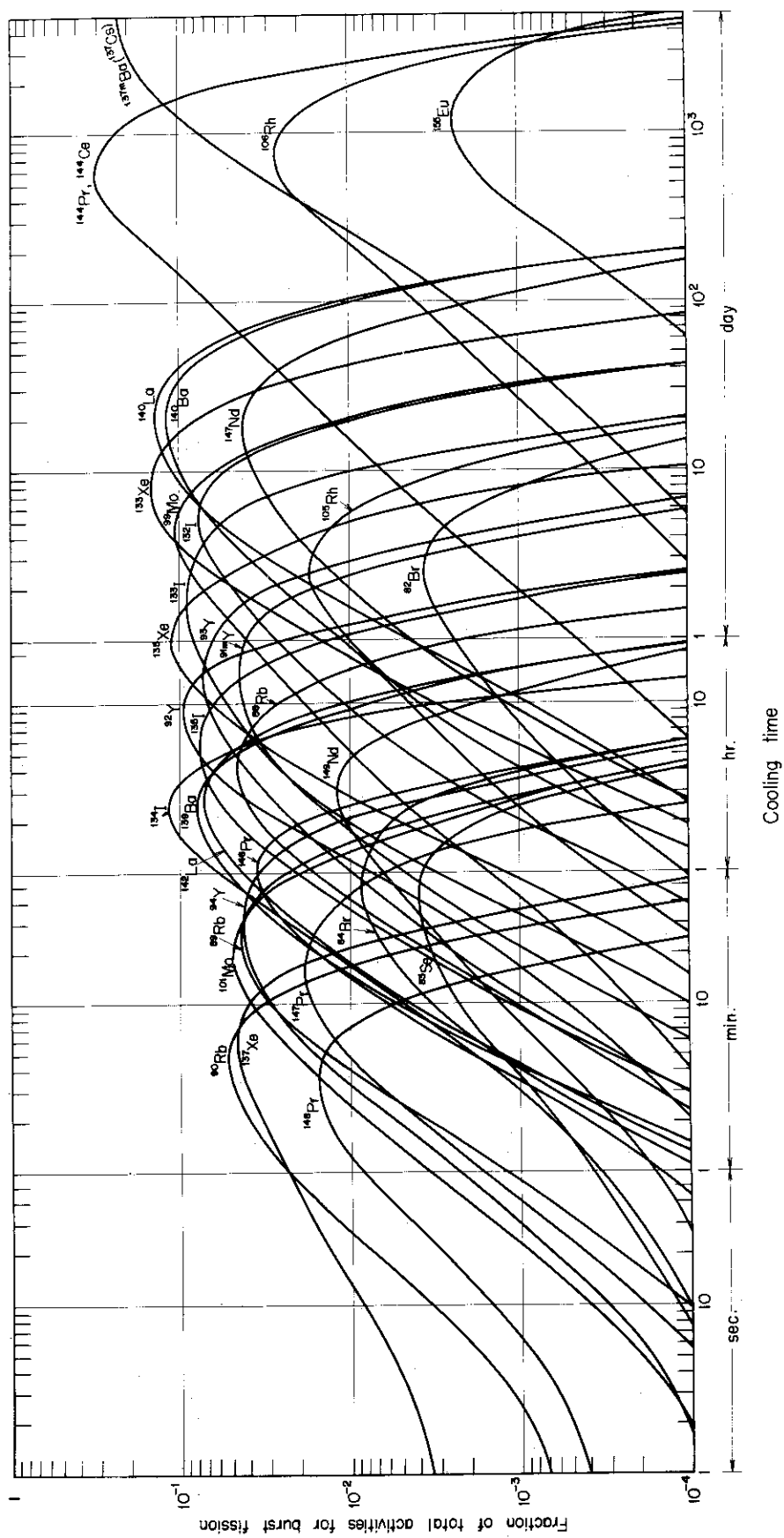
NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
FU154	1.6000 MEV	3.7630E-03	FU144	0.8750 MEV	1.6306E-02	PM146	0.6350 MEV	1.0650E-02	FU154	0.1229 MEV	4.3902E-02
EU152	1.4080 MEV	2.6434E-02	FU142	0.8690 MEV	4.9963E-03	RH106	0.6200 MEV	3.0808E-03	EU155	0.1053 MEV	3.3525E-02
FU152	1.2980 MEV	2.0426E-03	FU142	0.7790 MEV	1.6822E-02	EU154	0.5930 MEV	5.0174E-03	FU155	0.0865 MEV	5.2362E-02
FU154	1.2770 MEV	5.2682E-02	FU154	0.7590 MEV	3.7630E-03	RH106	0.5120 MEV	7.0057E-03	FU155	0.0600 MEV	2.0858E-03
FU152	1.2130 MEV	1.5620E-03	PM146	0.7490 MEV	1.2625E-01	PM146	0.4530 MEV	7.3076E-01	FU155	0.0453 MEV	1.1950E-03
FU152	1.1130 MEV	1.6822E-02	PM146	0.7450 MEV	1.0650E-01	EU152	0.4442 MEV	4.3736E-03	EU155	0.0265 MEV	2.0858E-03
FU152	1.0870 MEV	1.4418E-02	FU144	0.7250 MEV	2.6941E-02	SB125	0.4270 MEV	1.8434E-03			
FU154	1.0070 MEV	2.1324E-02	EU144	0.7060 MEV	5.0174E-03	EU152	0.4112 MEV	2.6434E-03			
FU154	0.9980 MEV	1.7561E-02	FU154	0.6940 MEV	3.7630E-03	EU152	0.3442 MEV	3.2442E-02			
FU152	0.9650 MEV	1.8023E-02	BA137*	0.6616 MEV	6.6127E-02	EU152	0.2447 MEV	9.6123E-03			

** TABLE OF FP GAMMA RAY INTENSITY ** ENERGY RANGE = 1.6000 MEV TO 0.0865 MEV

IRRADIATION TIME 3.640E 02 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **COOLING TIME ** 3.650E 03 DAY 0.0 HR 0.0 MIN 0.0 SEC
 **TOTAL GAMMA INTENSITY = 8.11241E 07 DPS **

NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY	NUCLIDE	ENERGY	INTENSITY
FU154	1.6000 MEV	5.5221E-03	FU142	1.0060 MEV	1.9123E-03	PM146	0.7450 MEV	8.1604E-02	FU152	0.4442 MEV	5.9710E-03
EU152	1.4080 MEV	3.6088E-02	FU144	0.9980 MEV	2.5770E-02	EU154	0.7250 MEV	3.8654E-02	EU152	0.4112 MEV	3.6088E-03
FU152	1.2980 MEV	2.7886E-03	FU142	0.9650 MEV	2.4606E-02	FU154	0.7060 MEV	7.3628E-03	FU152	0.3442 MEV	4.4290E-02
FU154	1.2770 MEV	7.7309E-02	FU144	0.8750 MEV	2.3929E-02	FU154	0.6940 MEV	5.5221E-03	EU152	0.2447 MEV	1.3123E-02
FU152	1.2130 MEV	2.1375E-03	FU142	0.8690 MEV	6.7256E-03	BA137*	0.6616 MEV	1.0736E-01	FU154	0.1229 MEV	6.4424E-02
FU152	1.1130 MEV	2.2965E-02	FU142	0.7790 MEV	2.2965E-02	PM146	0.6350 MEV	8.1604E-03	FU155	0.1053 MEV	9.0044E-03
FU152	1.0870 MEV	1.9685E-02	FU144	0.7590 MEV	5.5221E-03	EU154	0.5930 MEV	7.3628E-03	FU155	0.0865 MEV	1.4064E-02
FU154	1.0070 MEV	3.1292E-02	PM146	0.7490 MEV	9.5505E-02	PM146	0.4530 MEV	1.7681E-01			





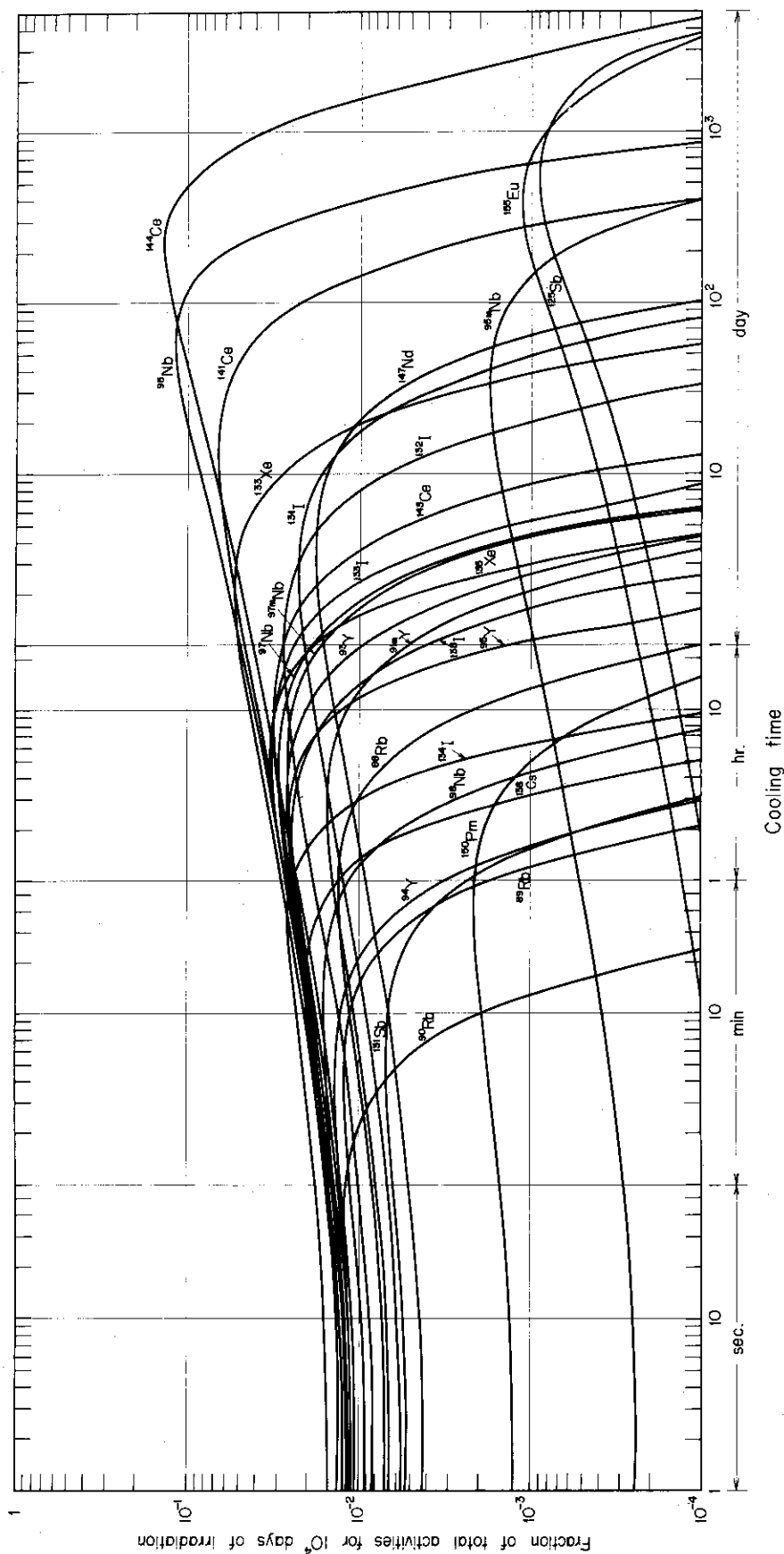


Fig. 2-1. Decay of FP activity for ^{235}U fission by the thermal neutron for 10^4 days of irradiation.

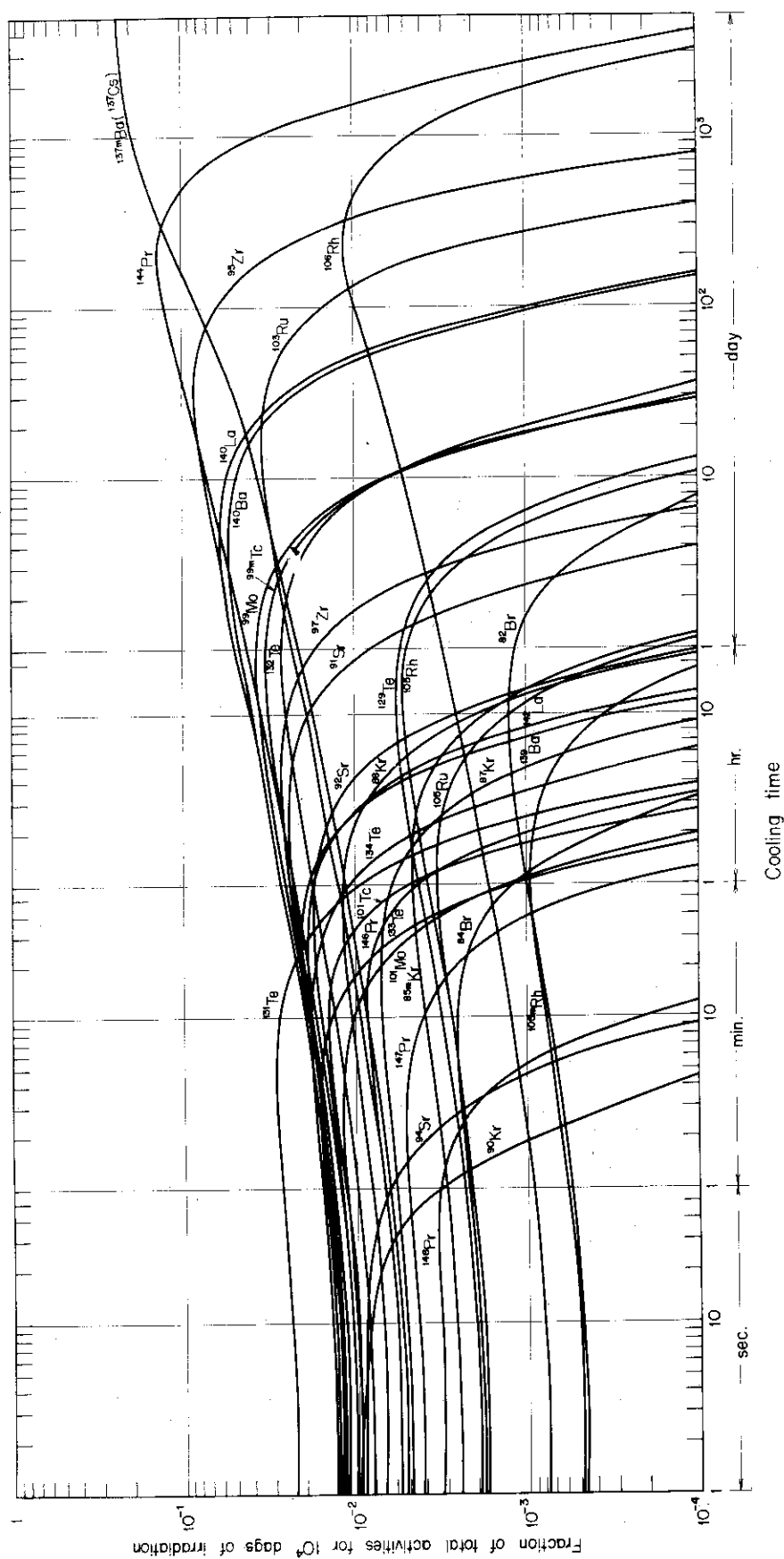
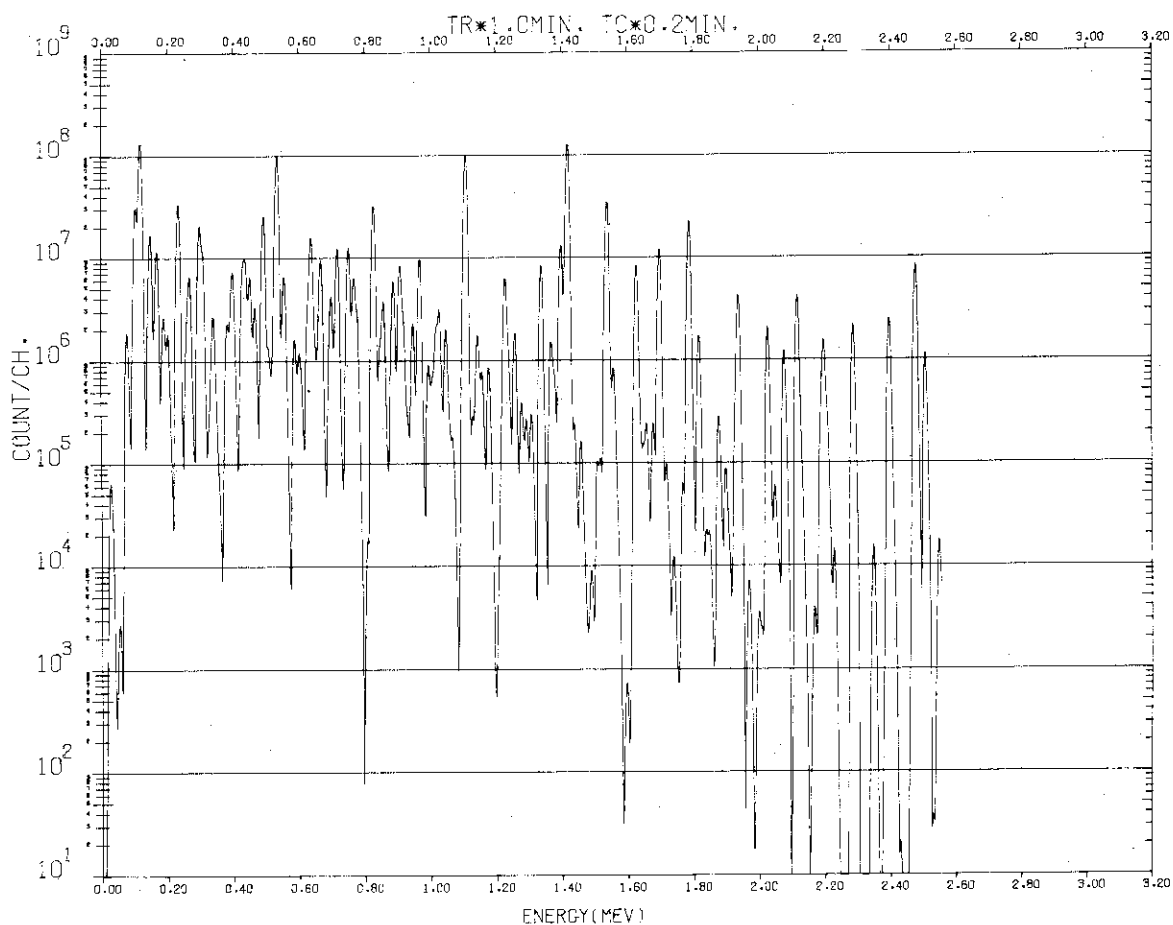
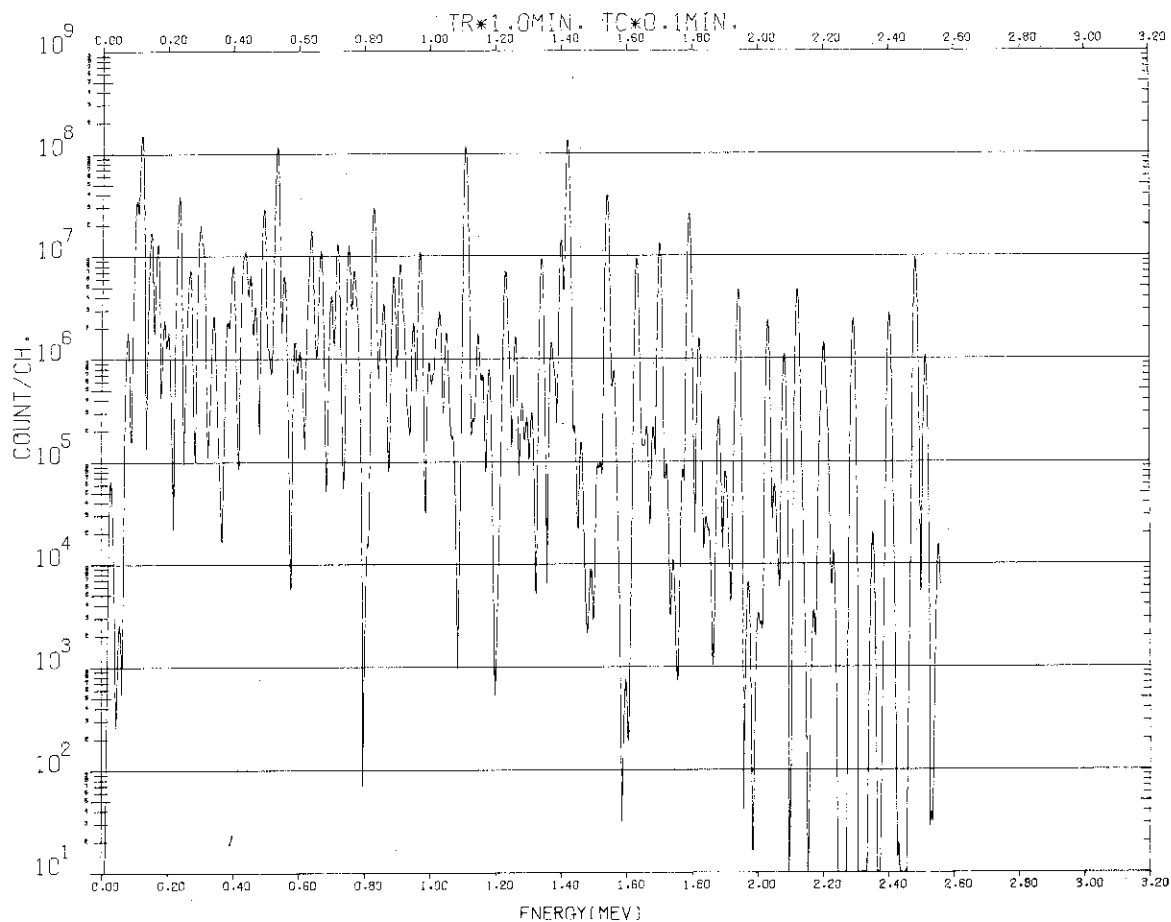


Fig. 2-2. Decay of FP activity for ^{235}U fission by the thermal neutron for 10^4 days of irradiation.



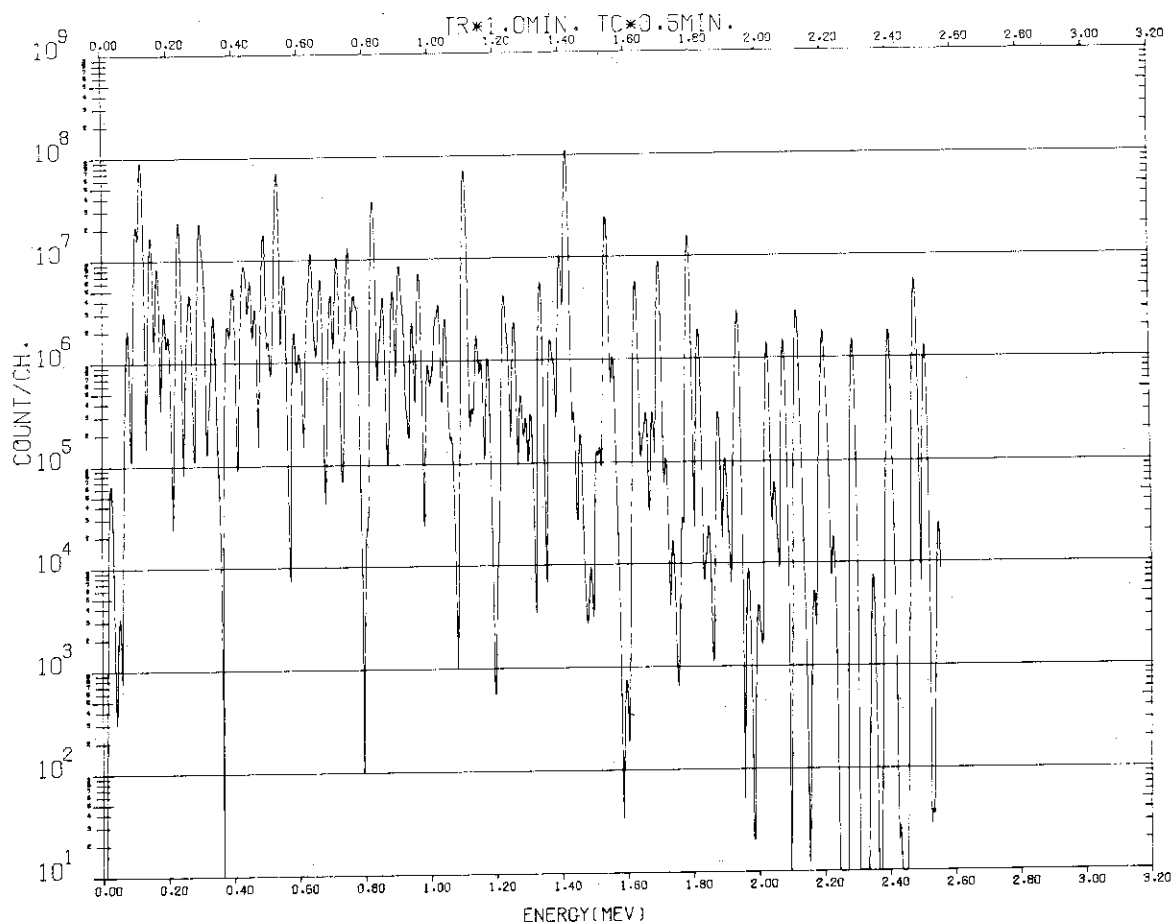


Fig.3.3. γ spectrum of FP for the thermal neutron fission of ^{235}U .
— irradiation time : 1 min. cooling time : 0.5 min.

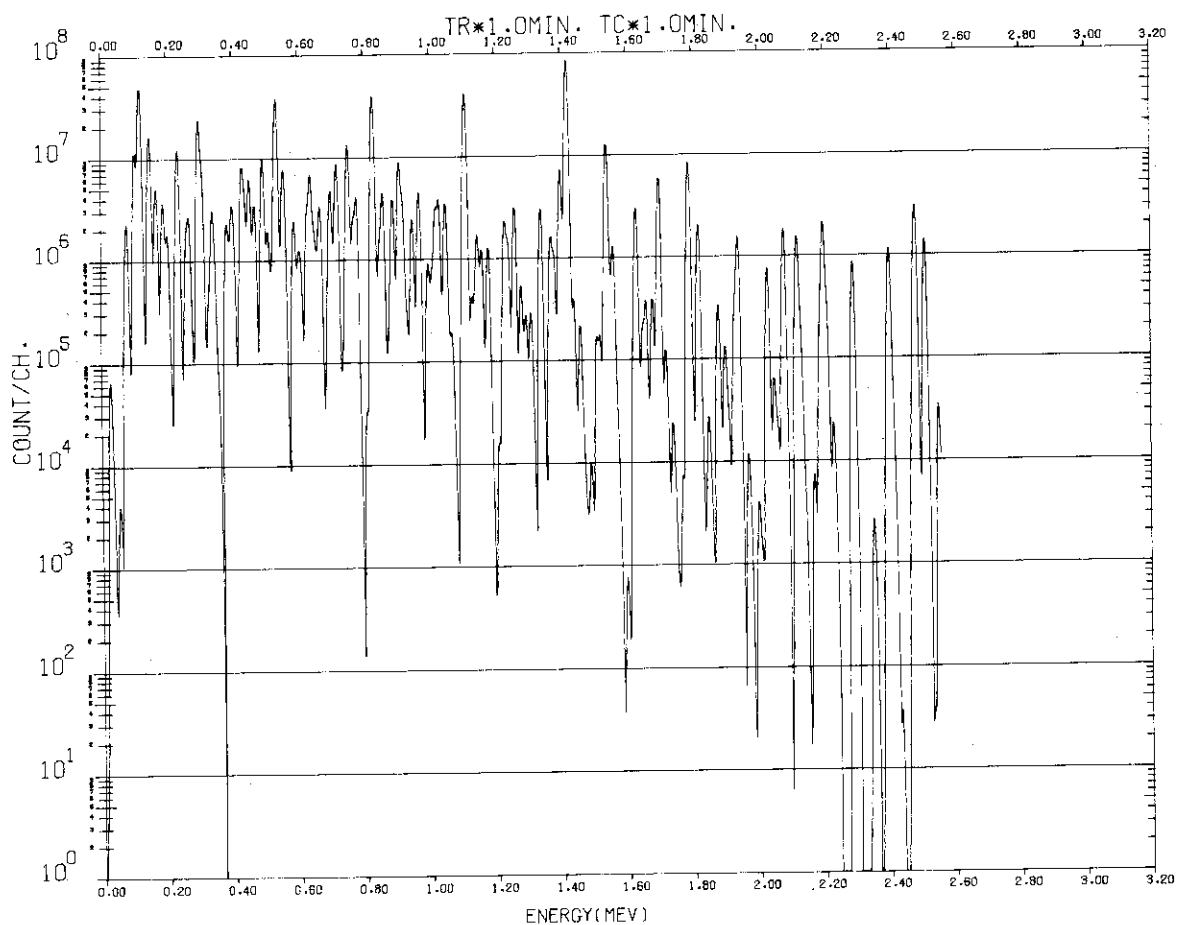
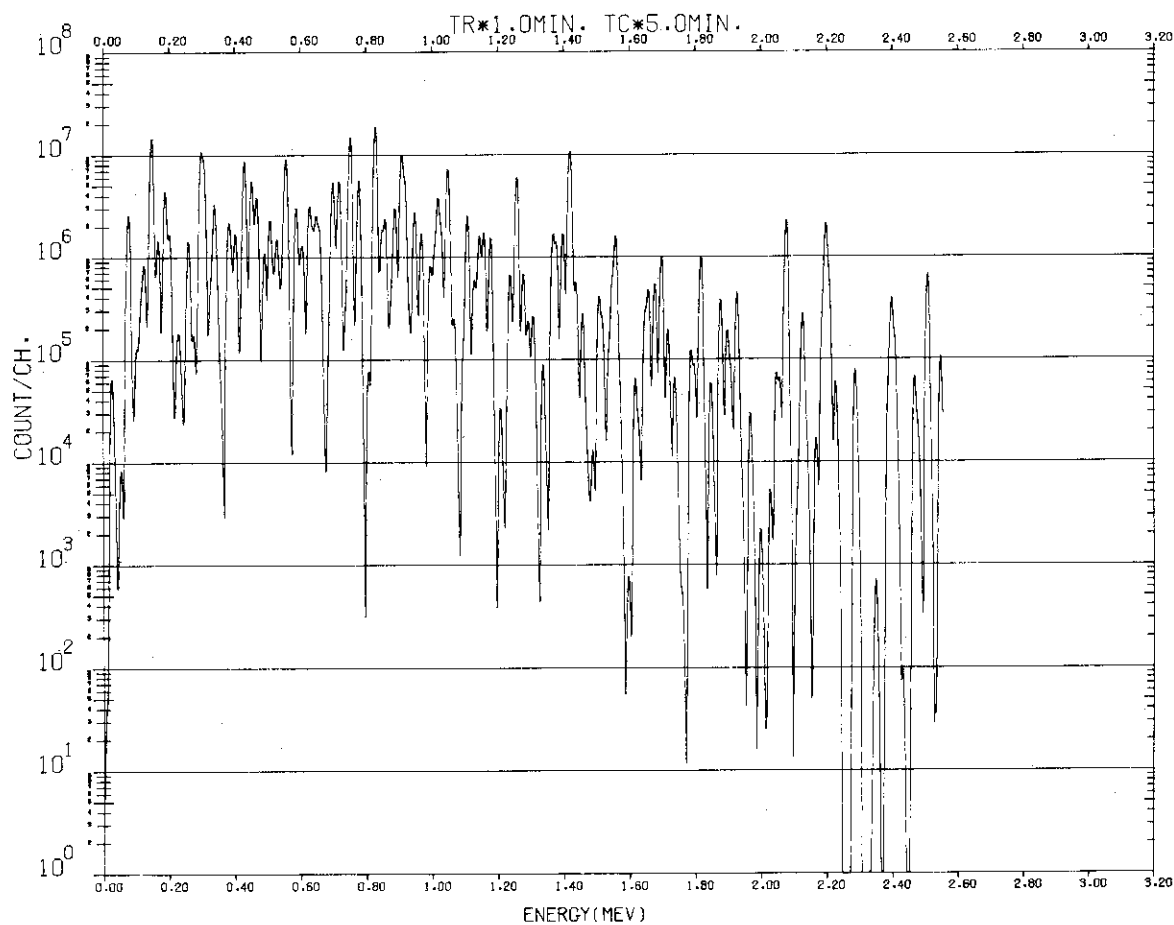
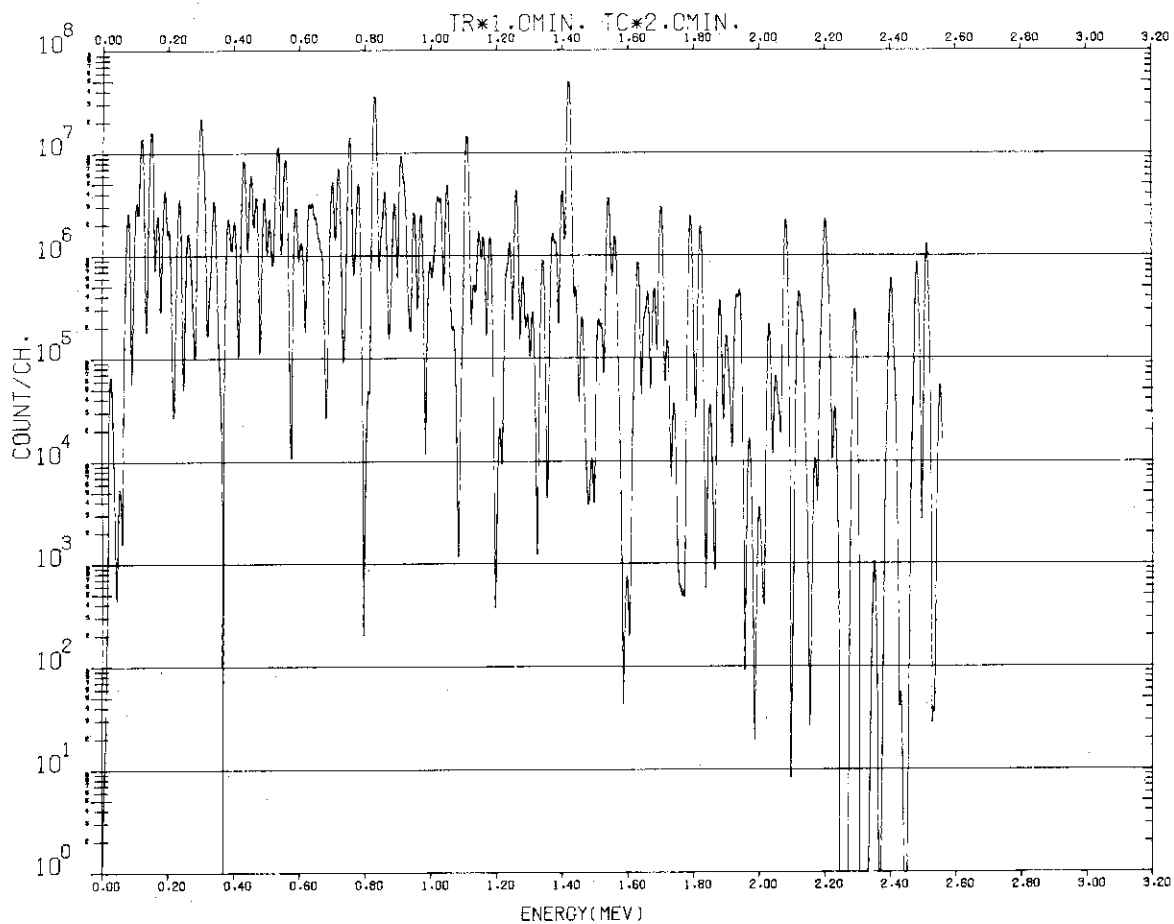
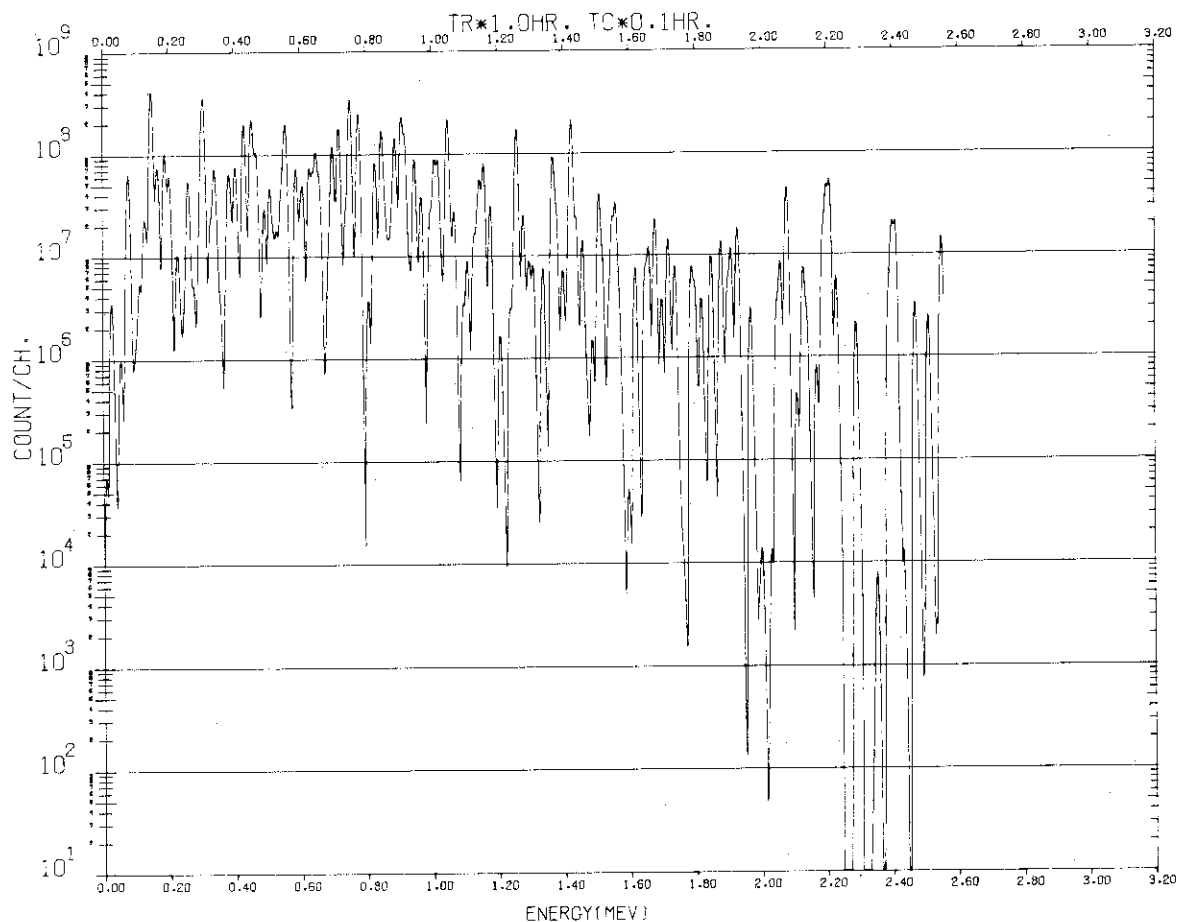
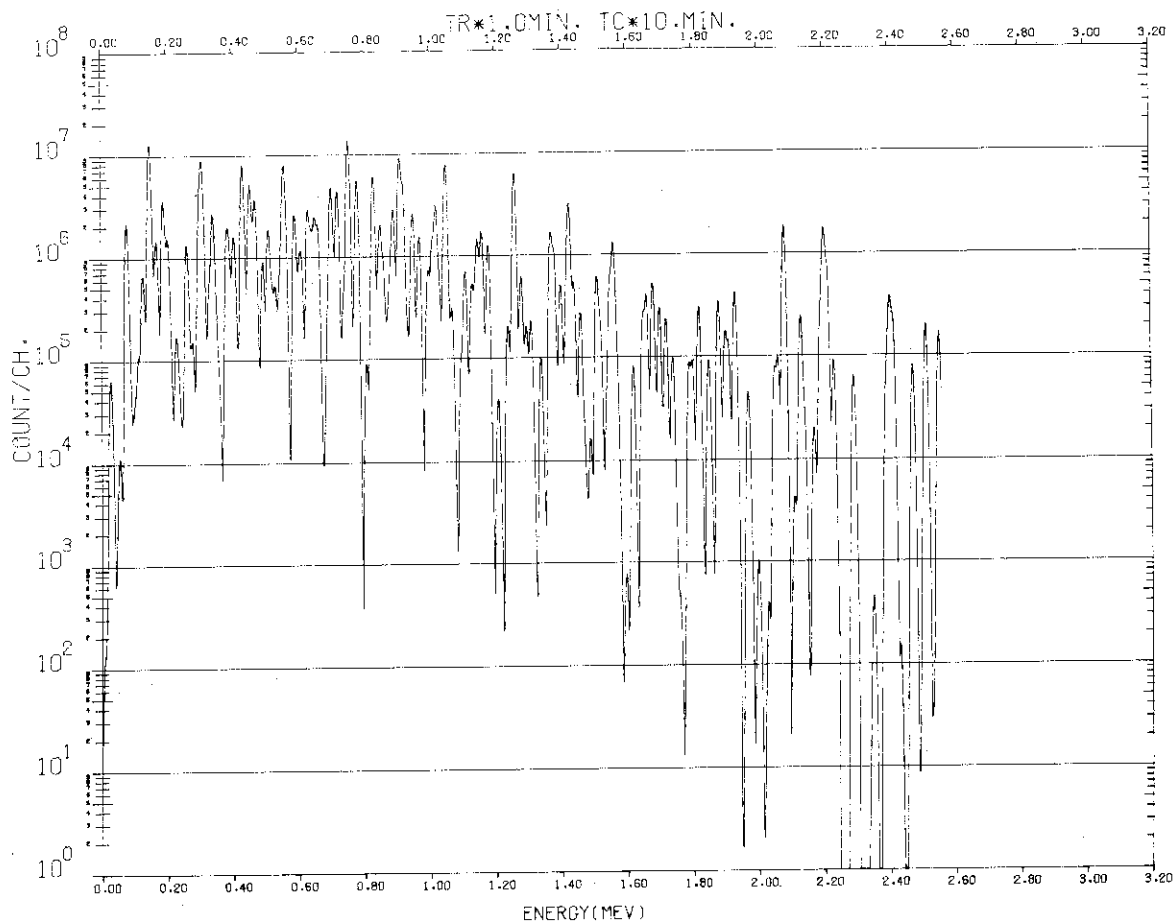


Fig.3.4. γ spectrum of FP for the thermal neutron fission of ^{235}U .
— irradiation time : 1 min. cooling time : 1 min.





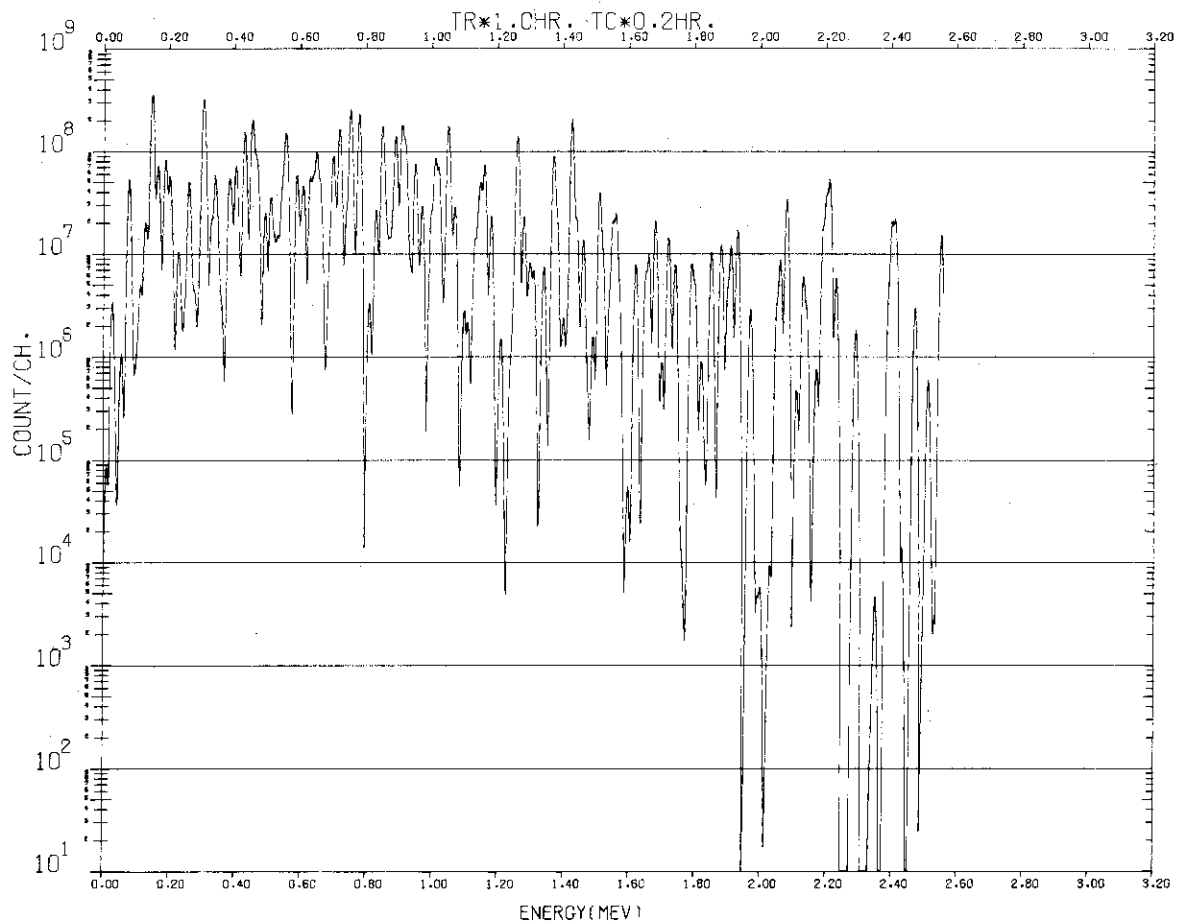


Fig.3.9. γ spectrum of FP for the thermal neutron fission of ^{235}U .
 — irradiation time : 1 hour. cooling time : 0.2 hour.

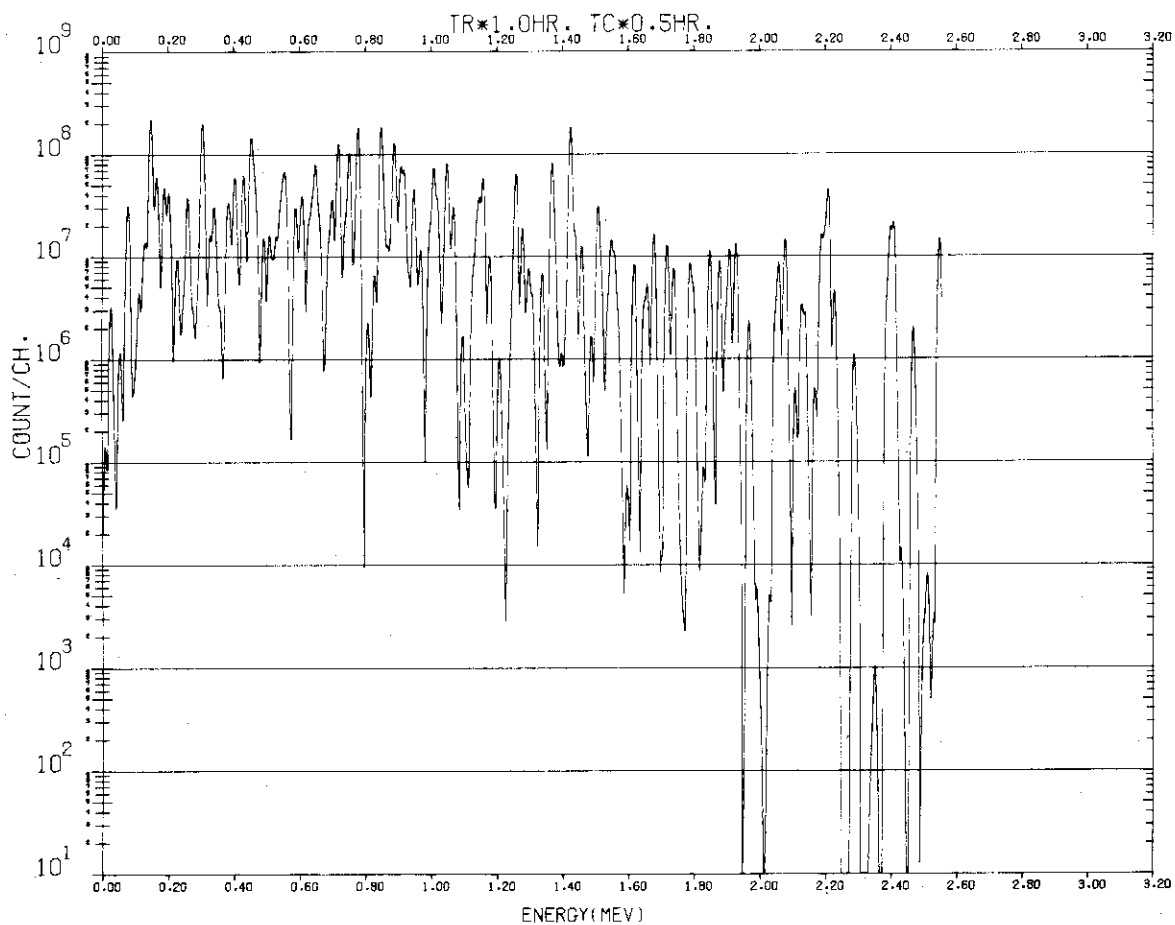


Fig.3.10. γ spectrum of FP for the thermal neutron fission of ^{235}U .
 — irradiation time : 1 hour. cooling time : 0.5 hour.

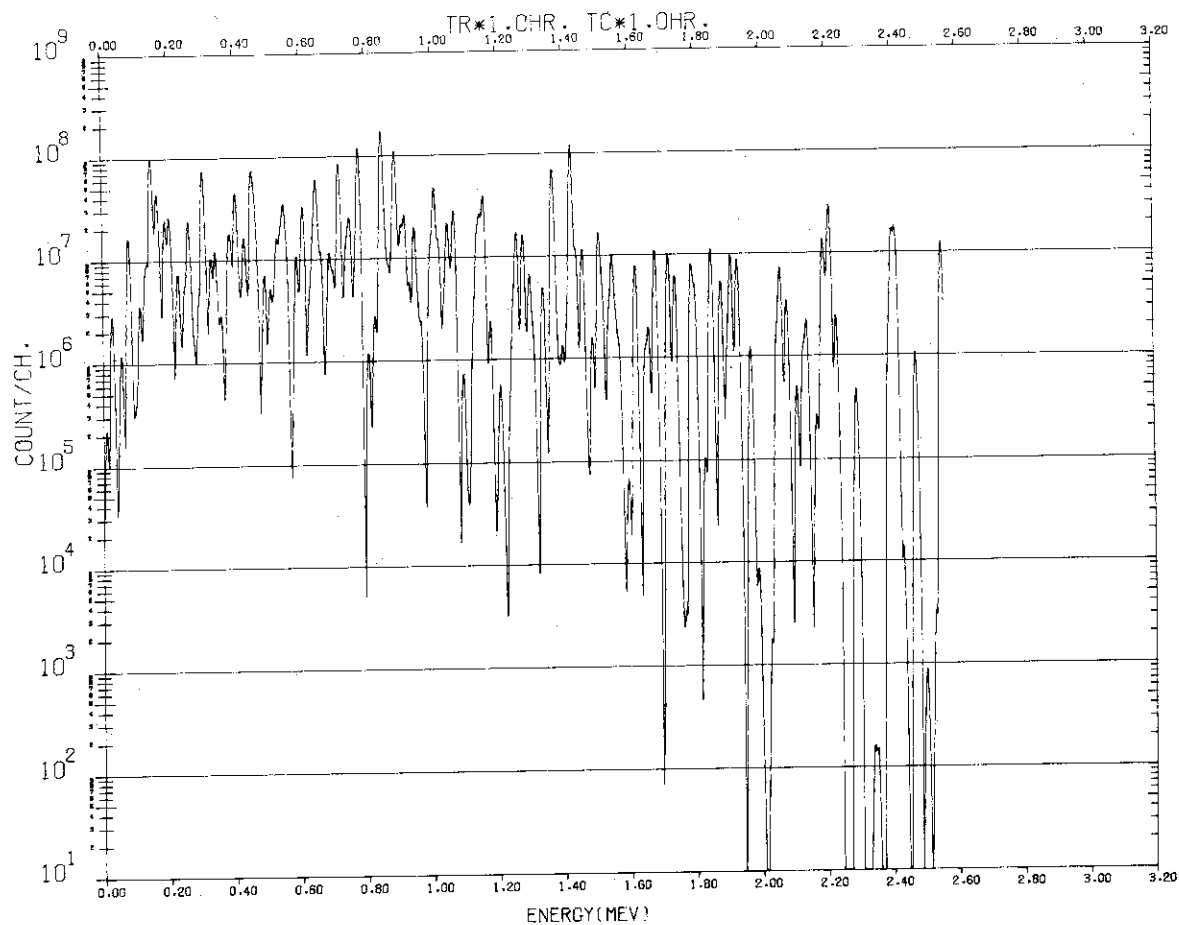


Fig.3.11. γ spectrum of FP for the thermal neutron fission of ^{235}U .
 — irradiation time : 1 hour. cooling time : 1 hour.

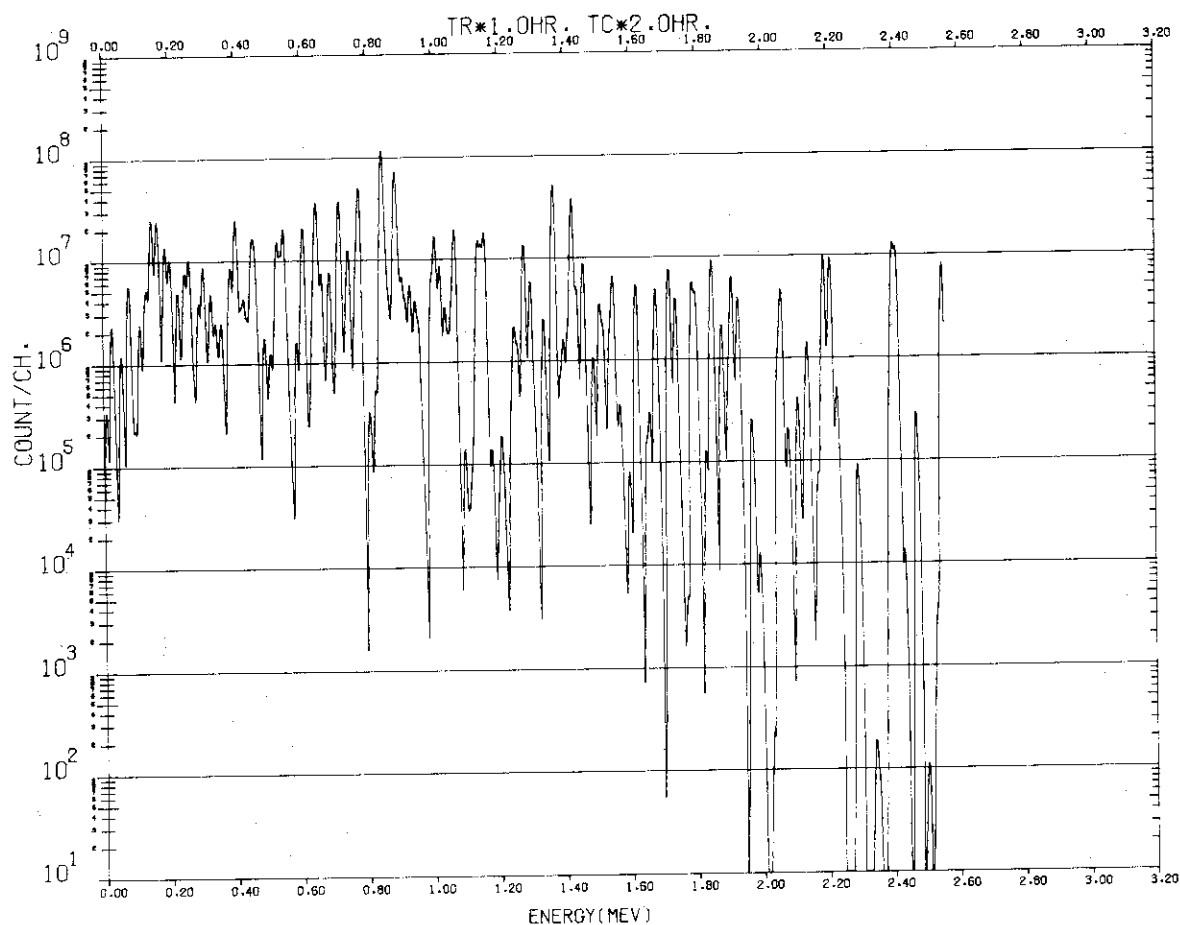


Fig.3.12. γ spectrum of FP for the thermal neutron fission of ^{235}U .
 — irradiation time : 1 hour. cooling time : 2 hour.

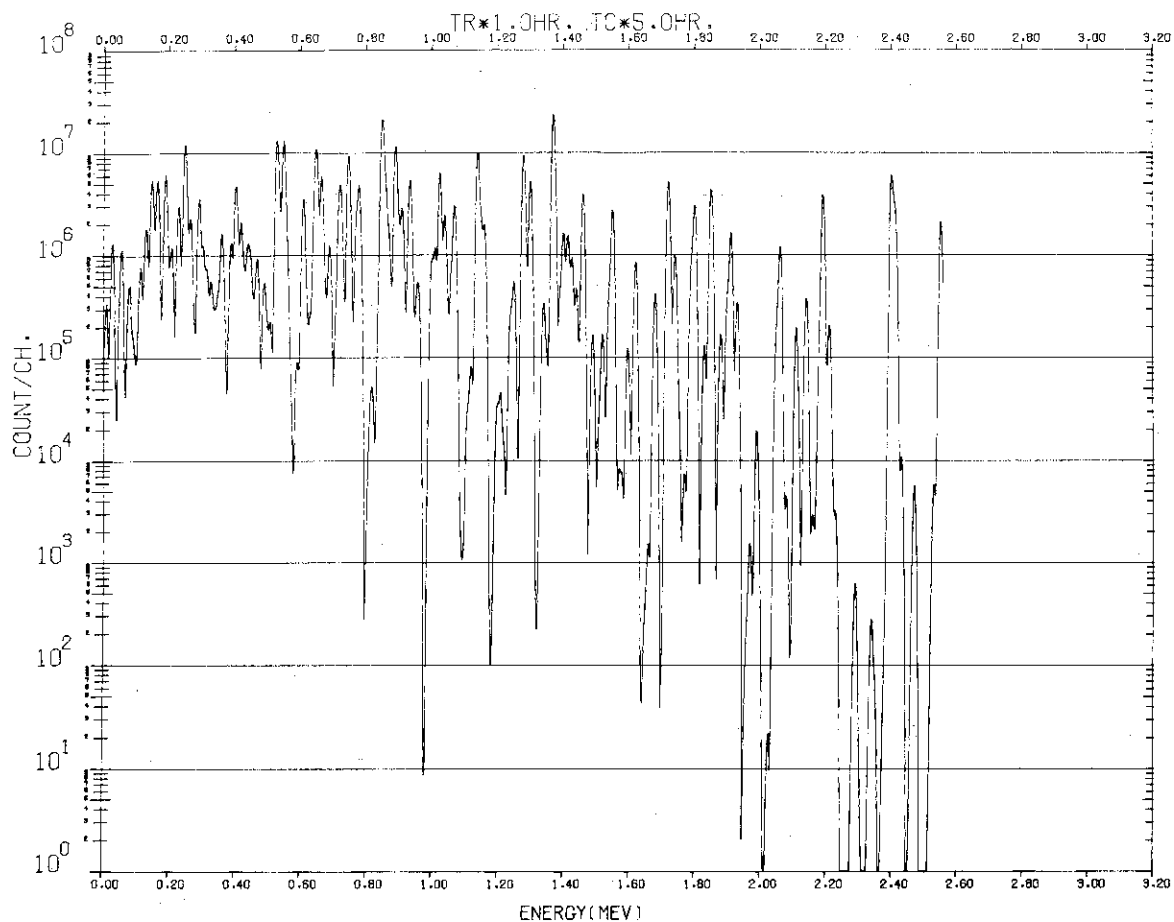


Fig.3.13. γ spectrum of FP for the thermal neutron fission of ^{235}U .
 — irradiation time : 1 hour. cooling time : 5 hour.

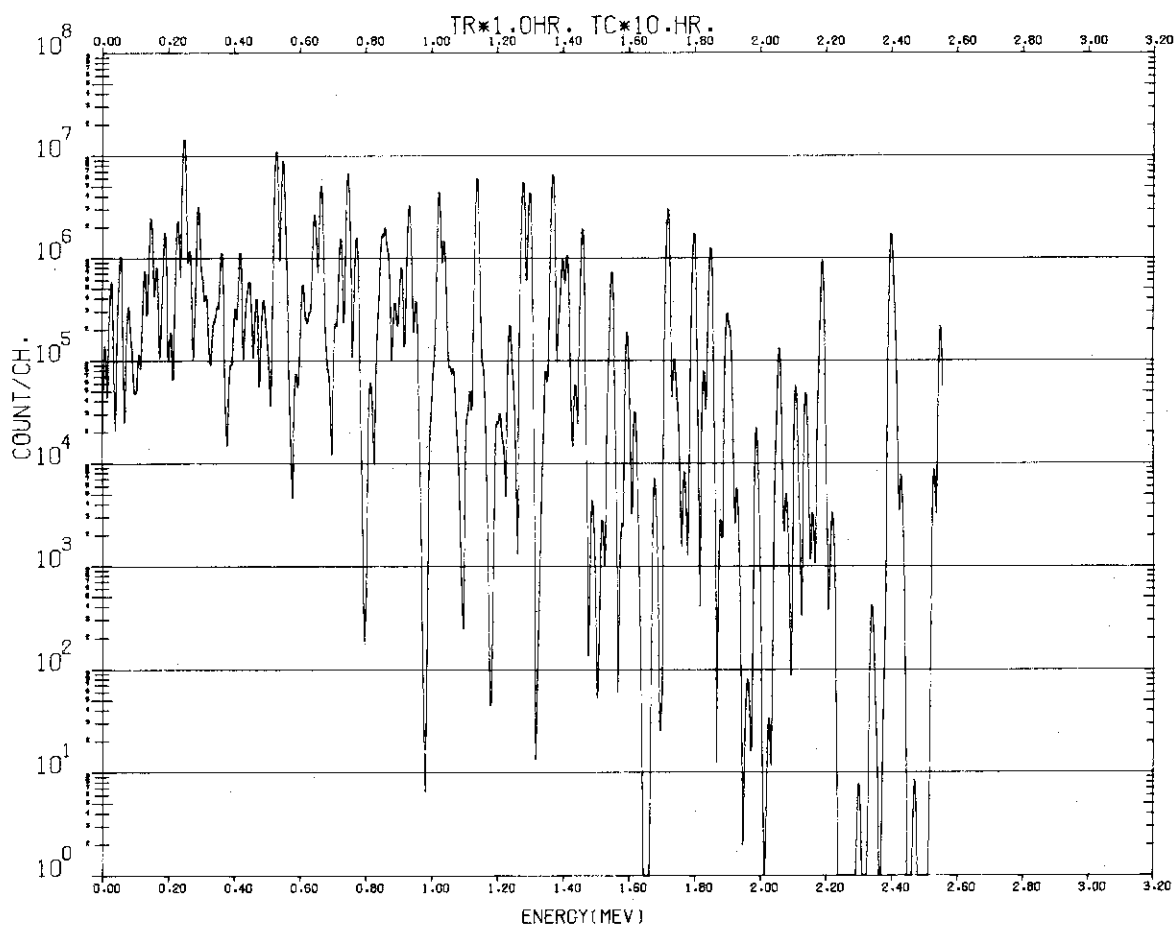
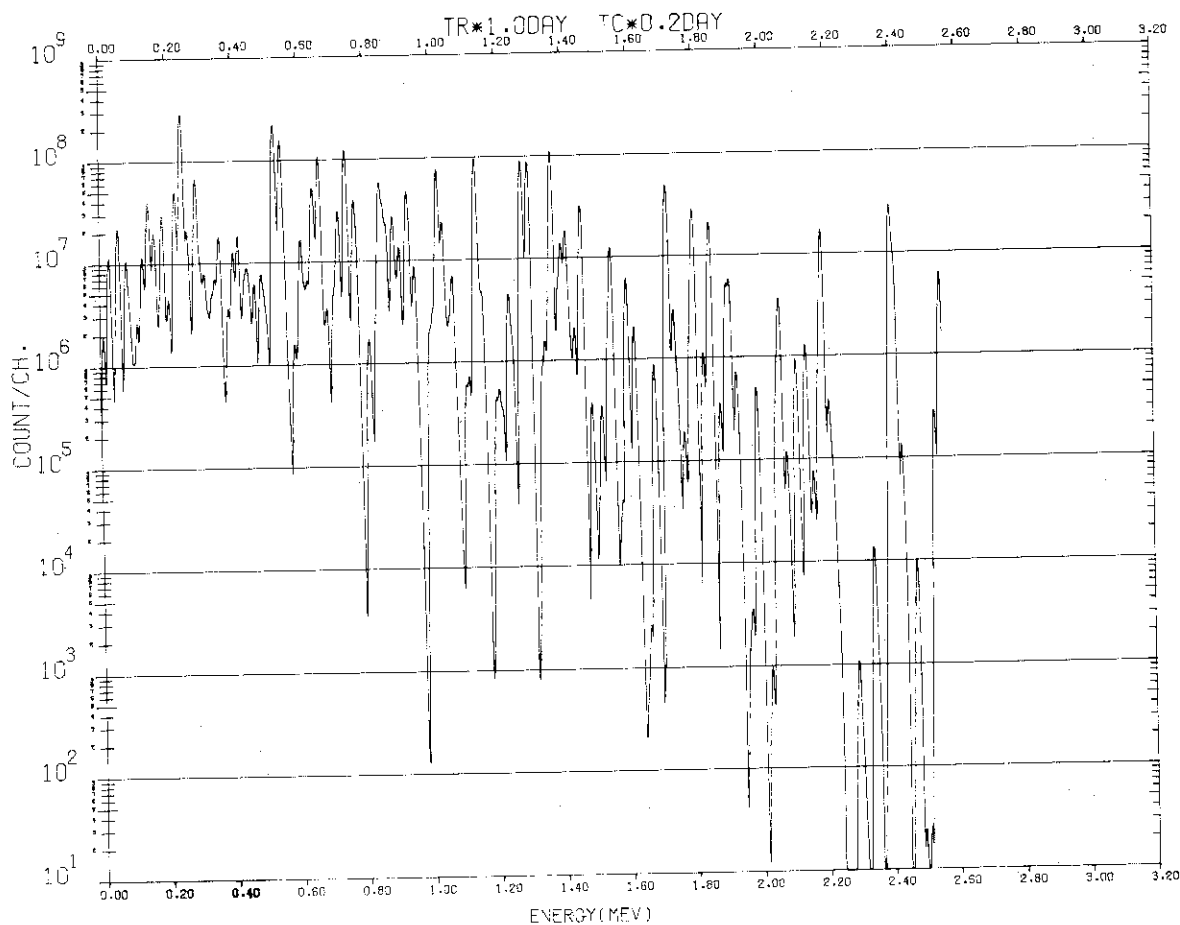
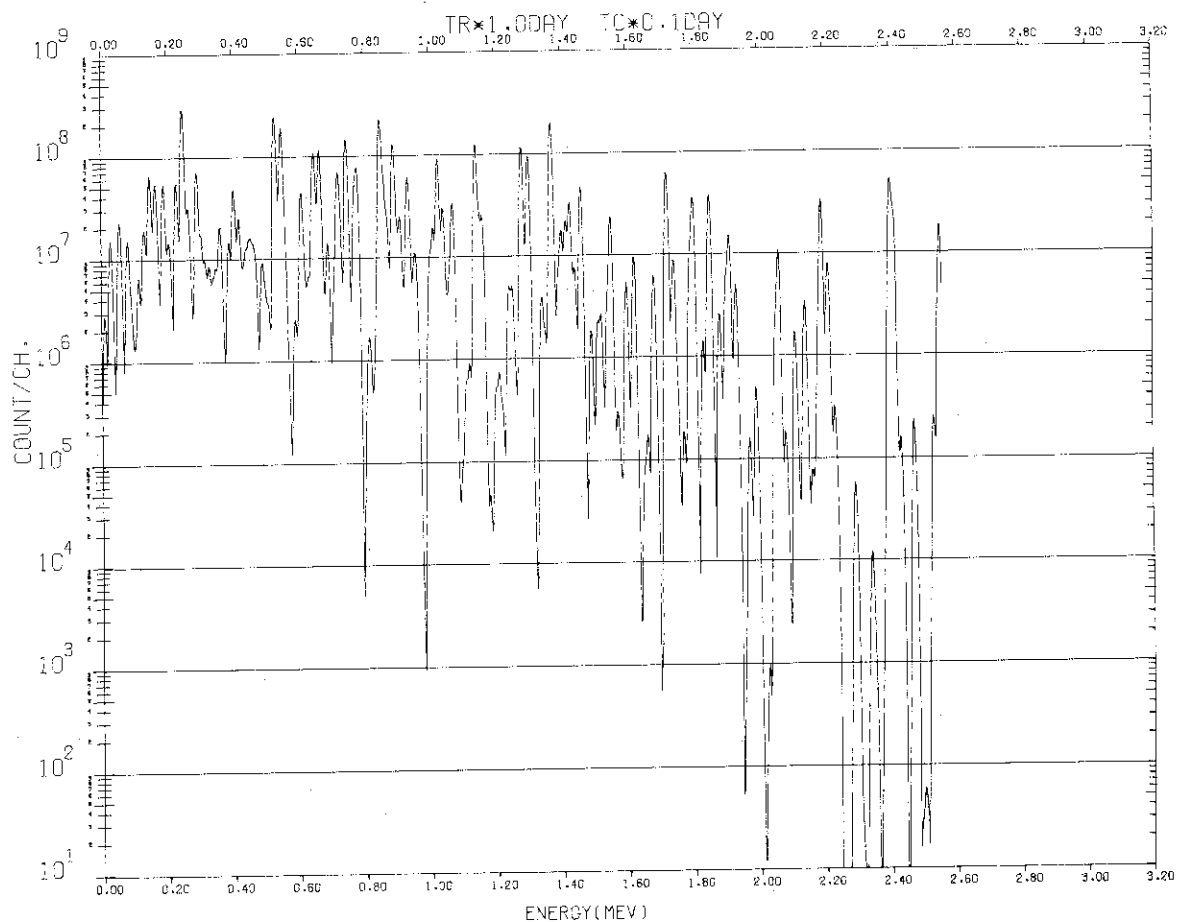


Fig.3.14. γ spectrum of FP for the thermal neutron fission of ^{235}U .
 — irradiation time : 1 hour. cooling time : 10 hour.



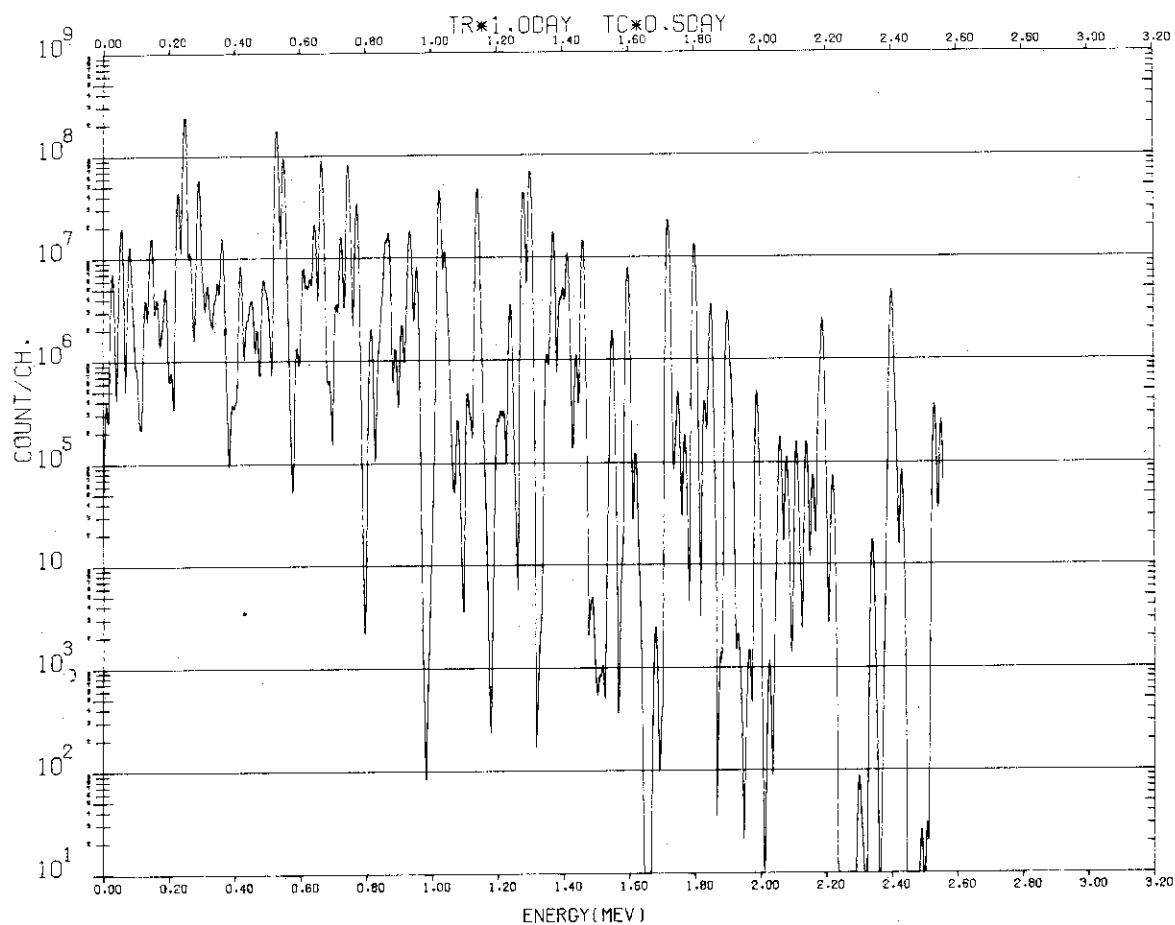


Fig.3.17. γ spectrum of FP for the thermal neutron fission of ^{235}U .
 — irradiation time : 1 day. cooling time : 0.5 day.

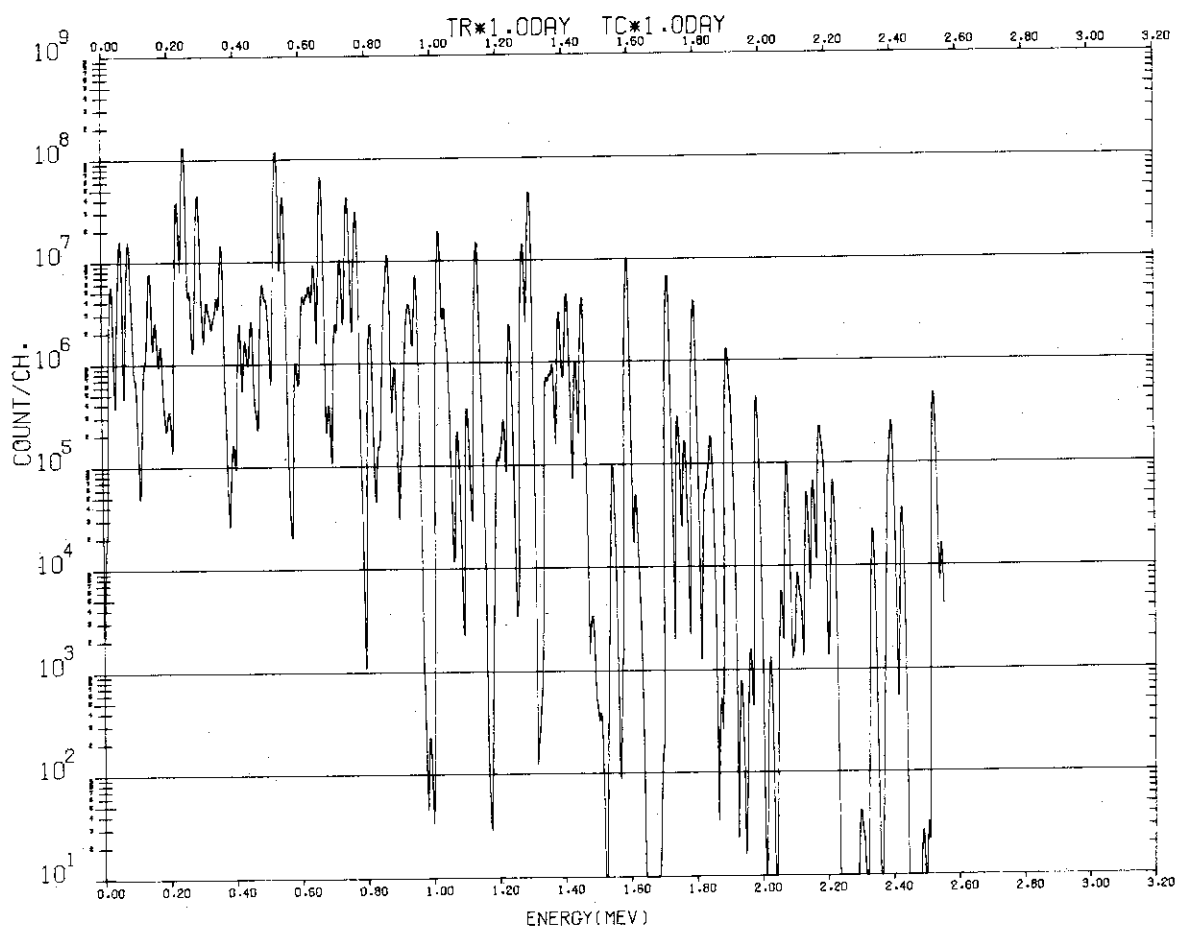


Fig.3.18. γ spectrum of FP for the thermal neutron fission of ^{235}U .
 — irradiation time : 1 day. cooling time : 1 day.

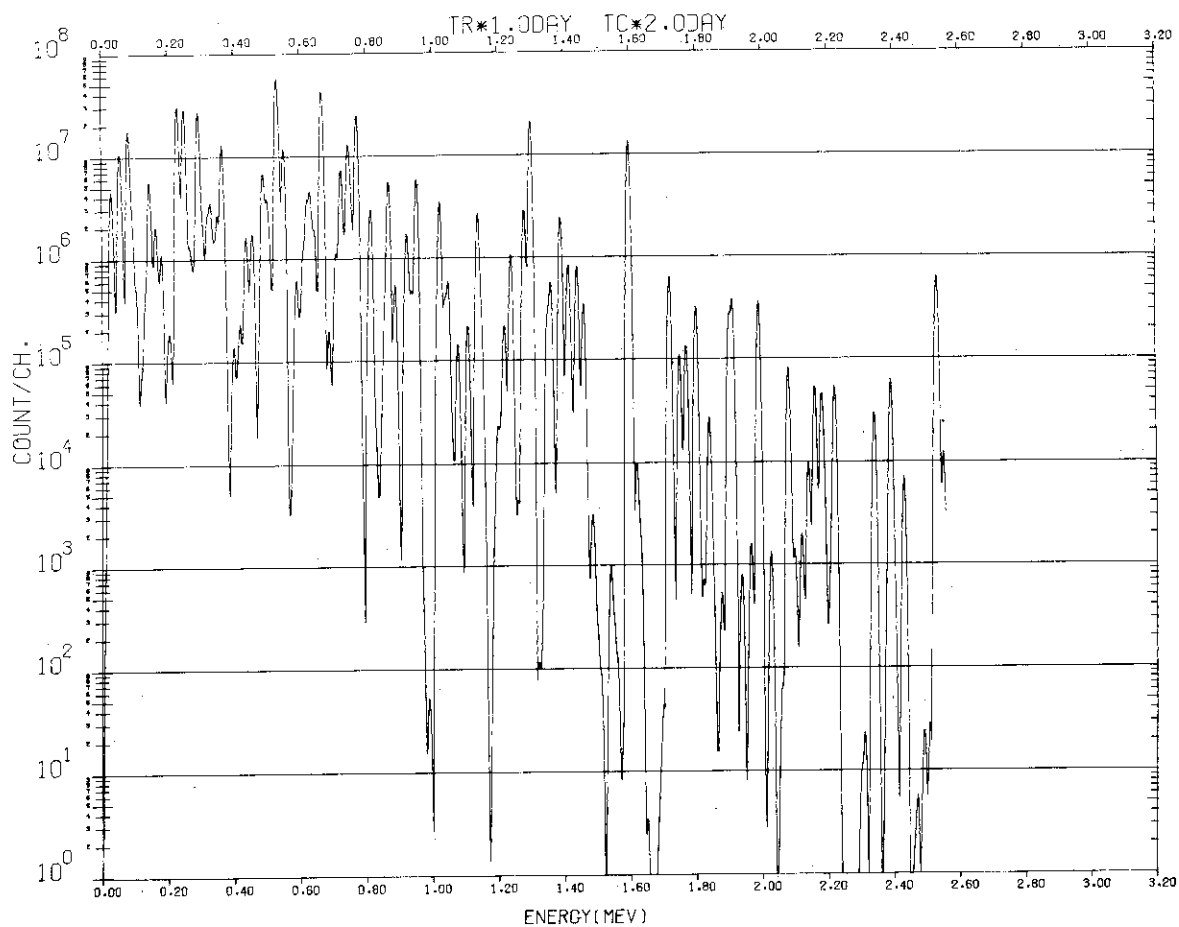


Fig.3.19. γ spectrum of FP for the thermal neutron fission of ^{235}U .
 — irradiation time : 1 day. cooling time : 2 day.

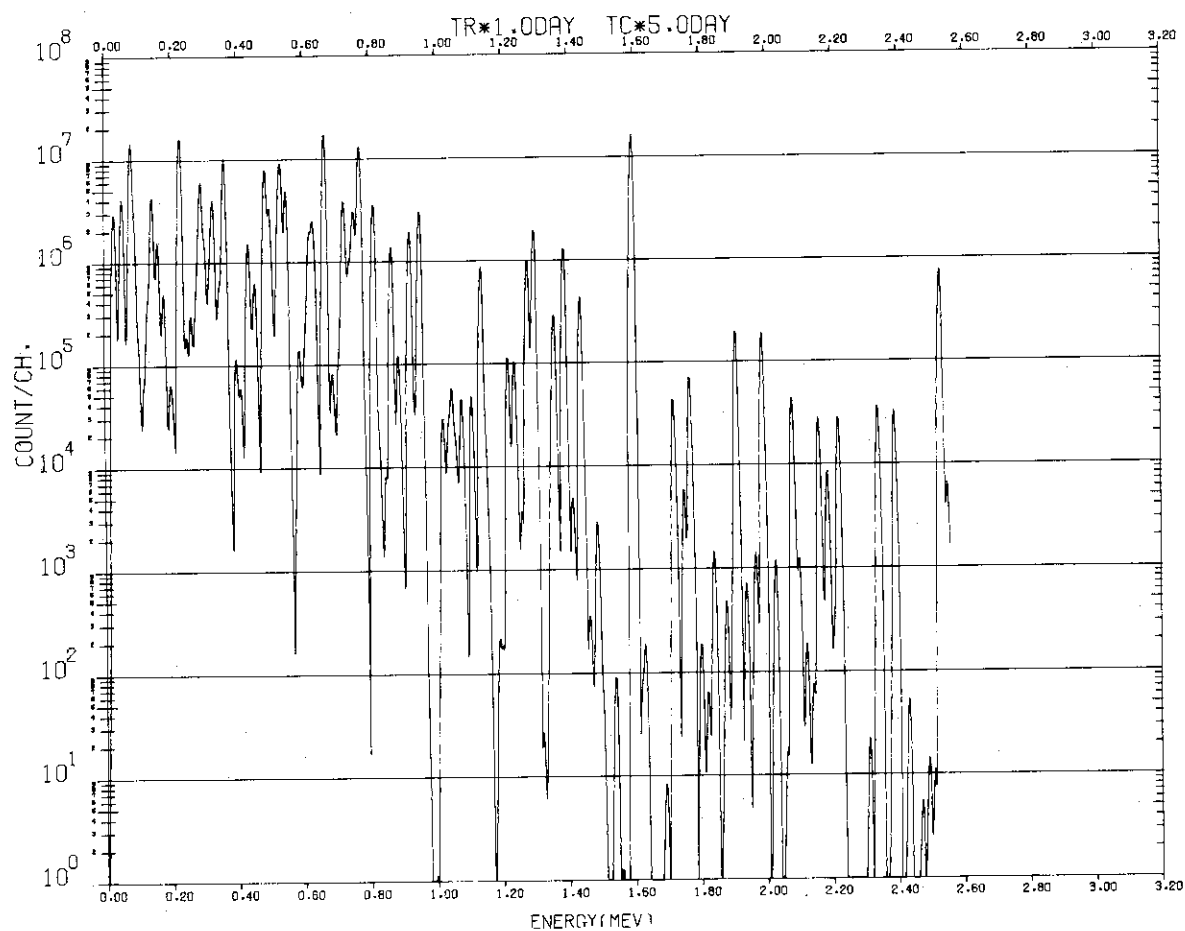


Fig.3.20. γ spectrum of FP for the thermal neutron fission of ^{235}U .
 — irradiation time : 1 day. cooling time : 5 day.

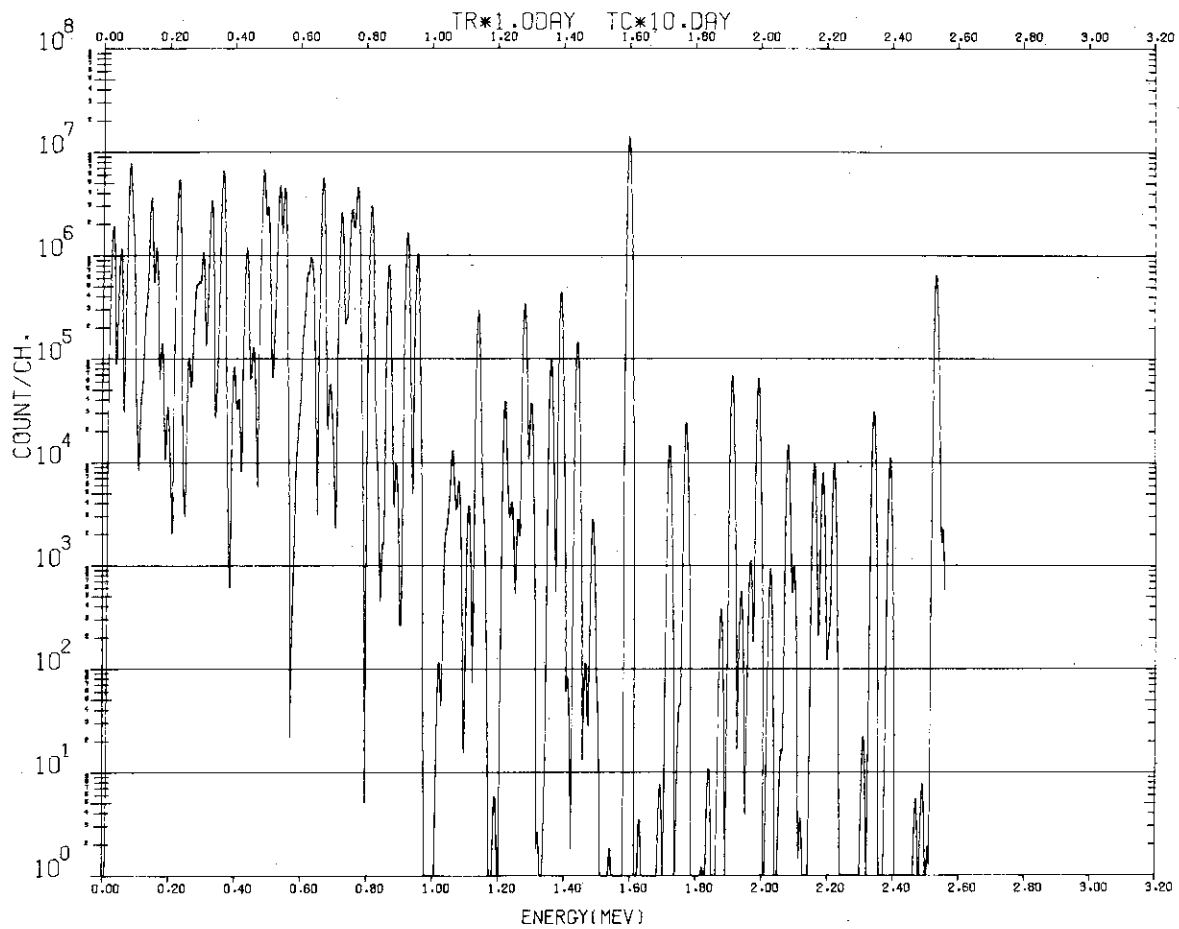


Fig.3.21. γ spectrum of FP for the thermal neutron fission of ^{235}U .
 — irradiation time : 1 day. cooling time : 10 day.

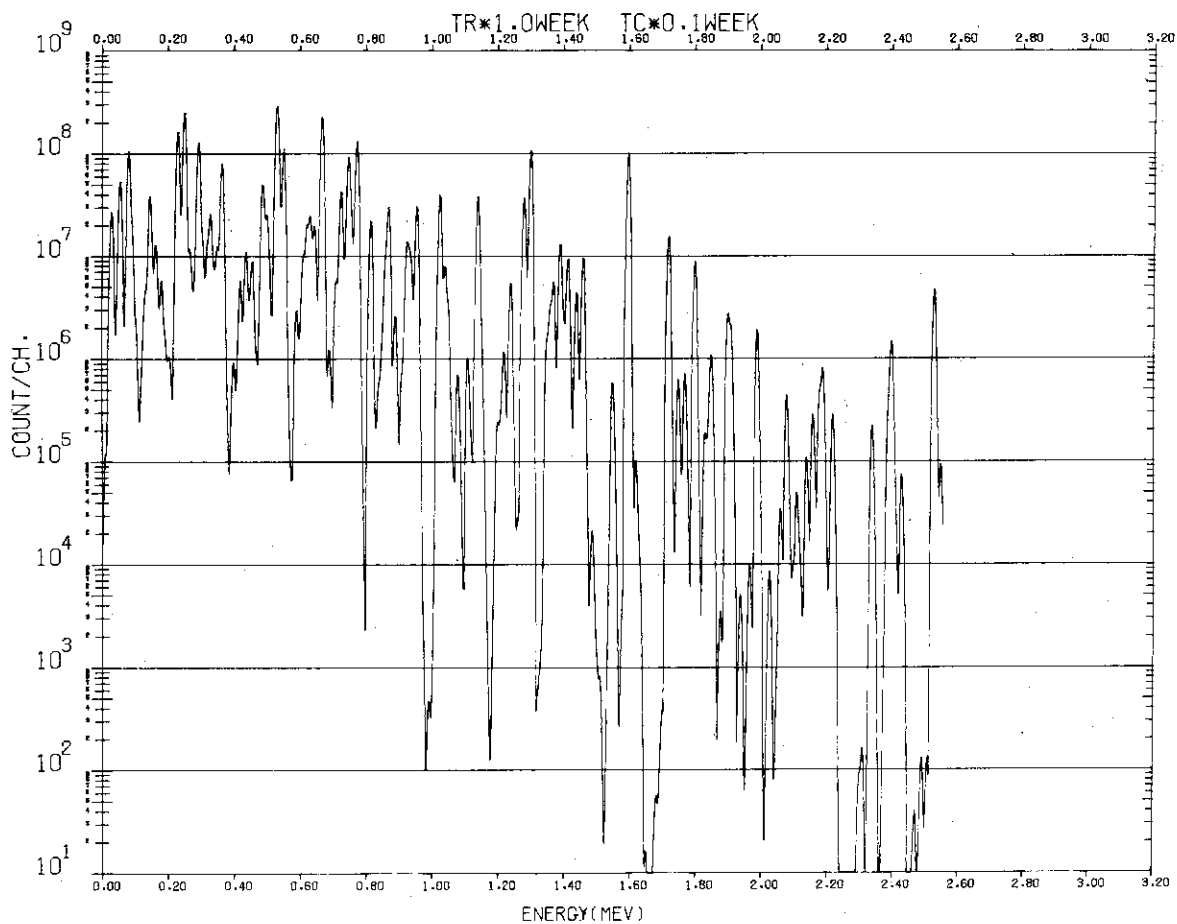
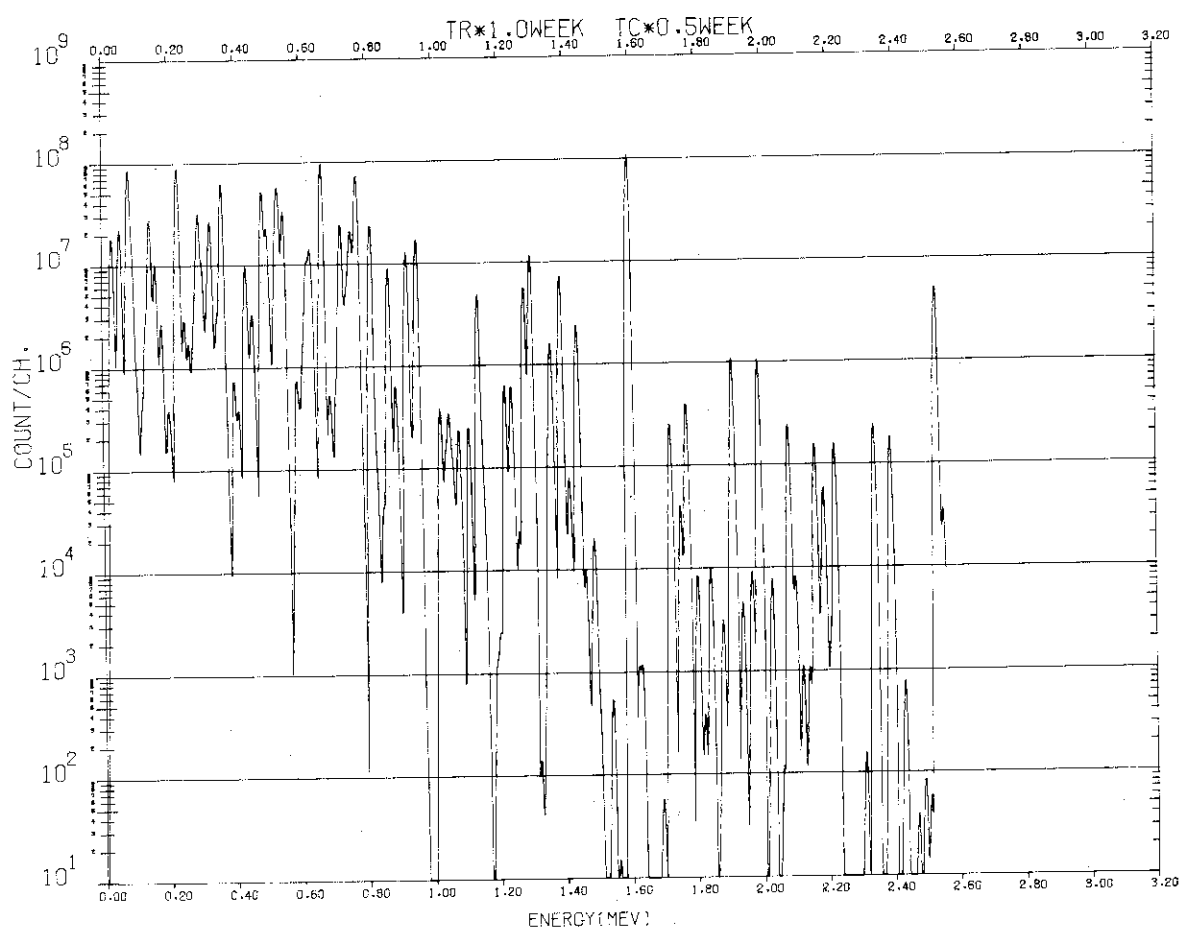
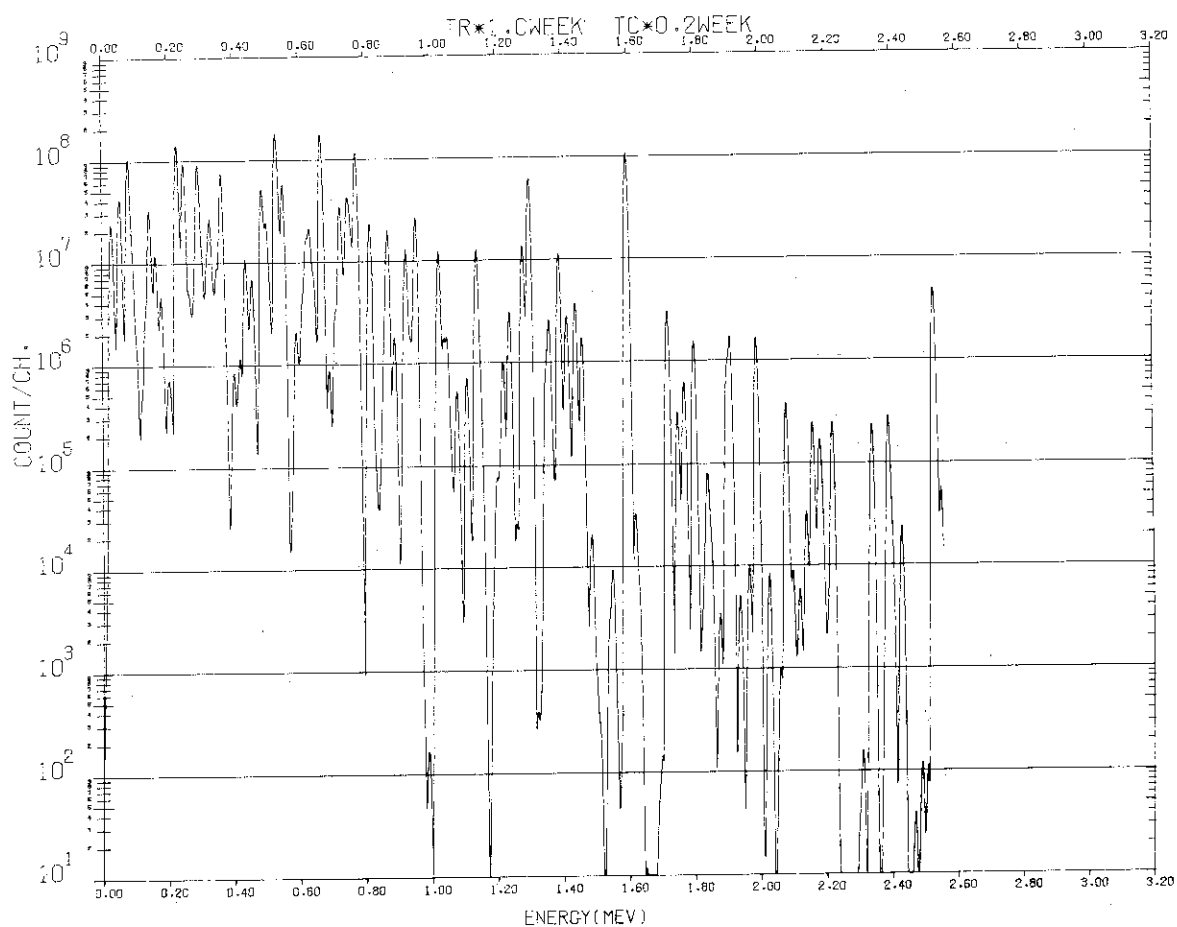


Fig.3.22. γ spectrum of FP for the thermal neutron fission of ^{235}U .
 — irradiation time : 1 week. cooling time : 0.1 week.



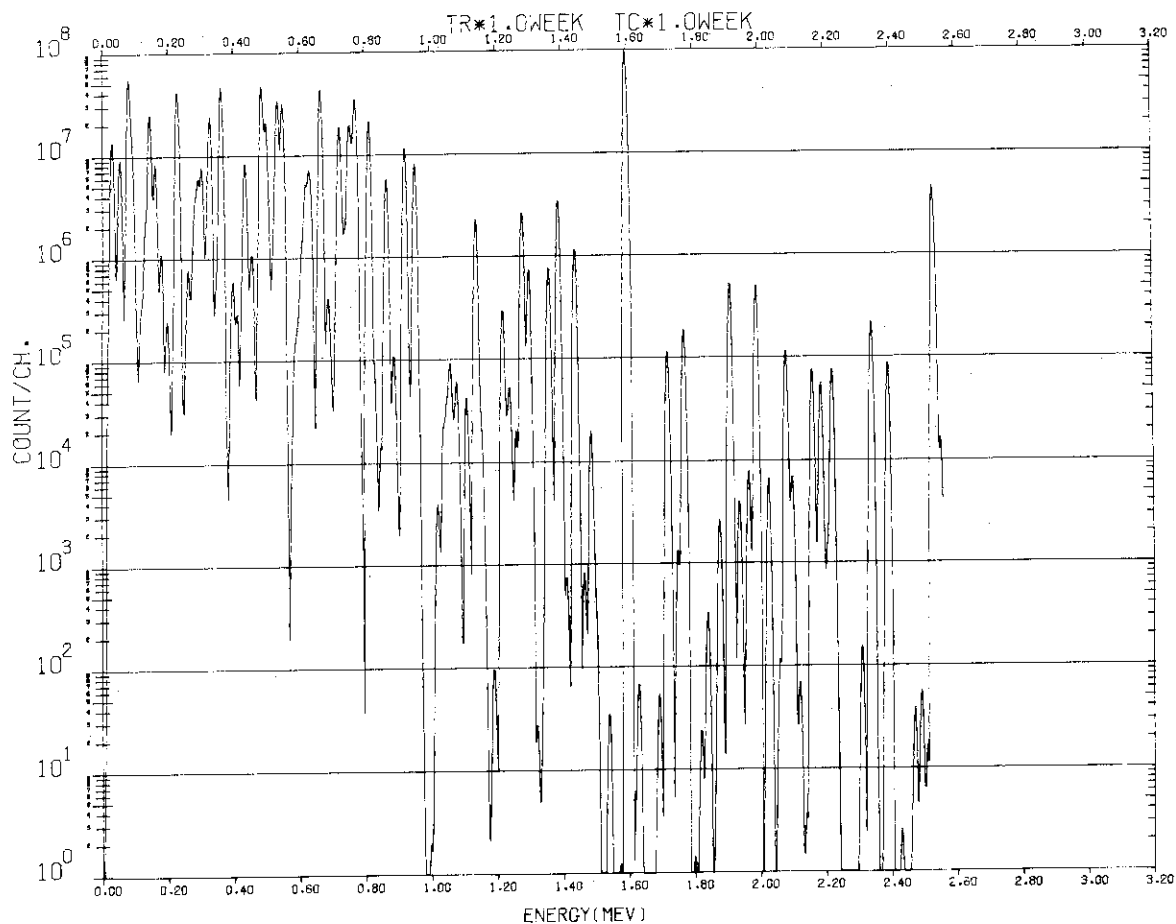


Fig.3.25. γ spectrum of FP for the thermal neutron fission of ^{235}U .
 — irradiation time : 1 week. cooling time : 1 week.

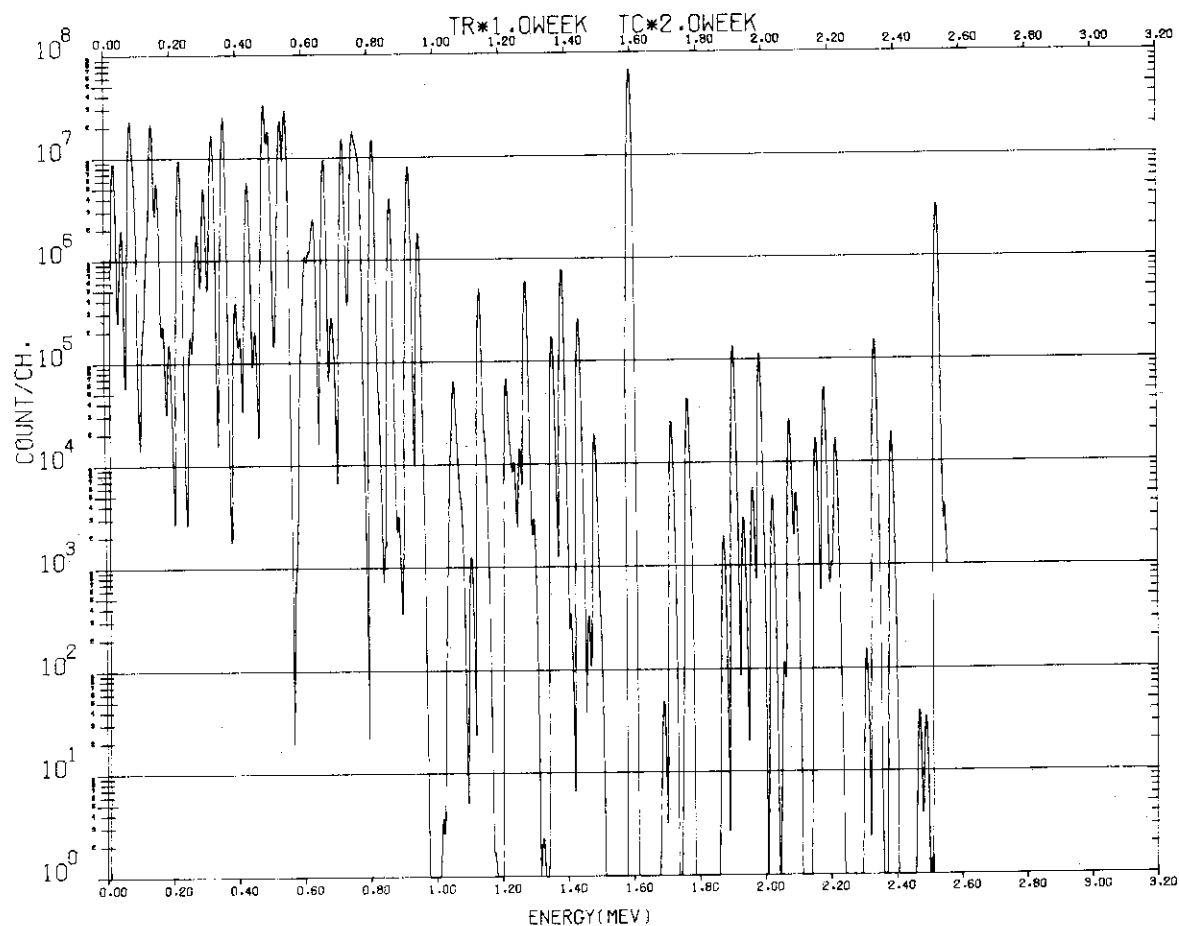


Fig.3.26. γ spectrum of FP for the thermal neutron fission of ^{235}U .
 — irradiation time : 1 week. cooling time : 2 week.

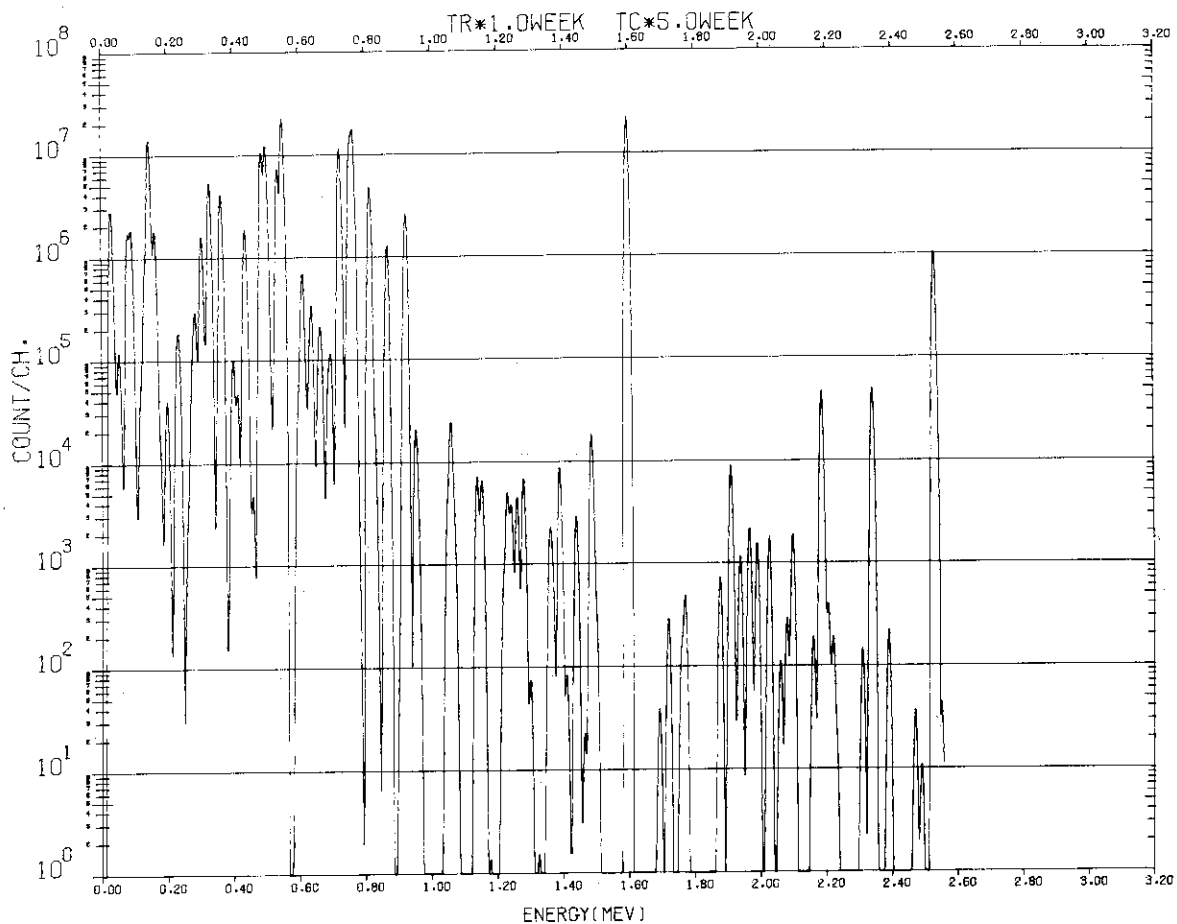


Fig.3.27. γ spectrum of FP for the thermal neutron fission of ^{235}U .
 — irradiation time : 1 week. cooling time : 5 week.

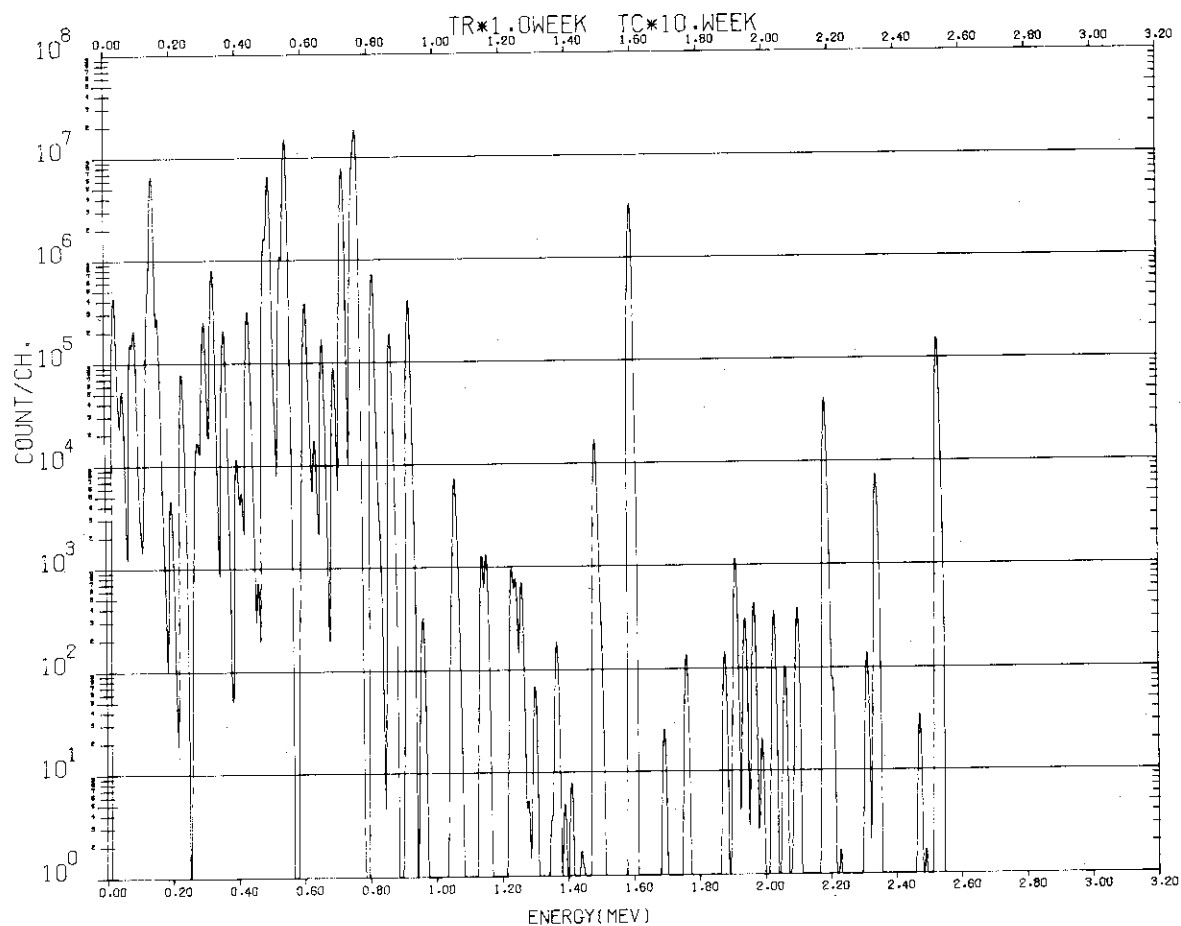


Fig.3.28. γ spectrum of FP for the thermal neutron fission of ^{235}U .
 — irradiation time : 1 week. cooling time : 10 week.

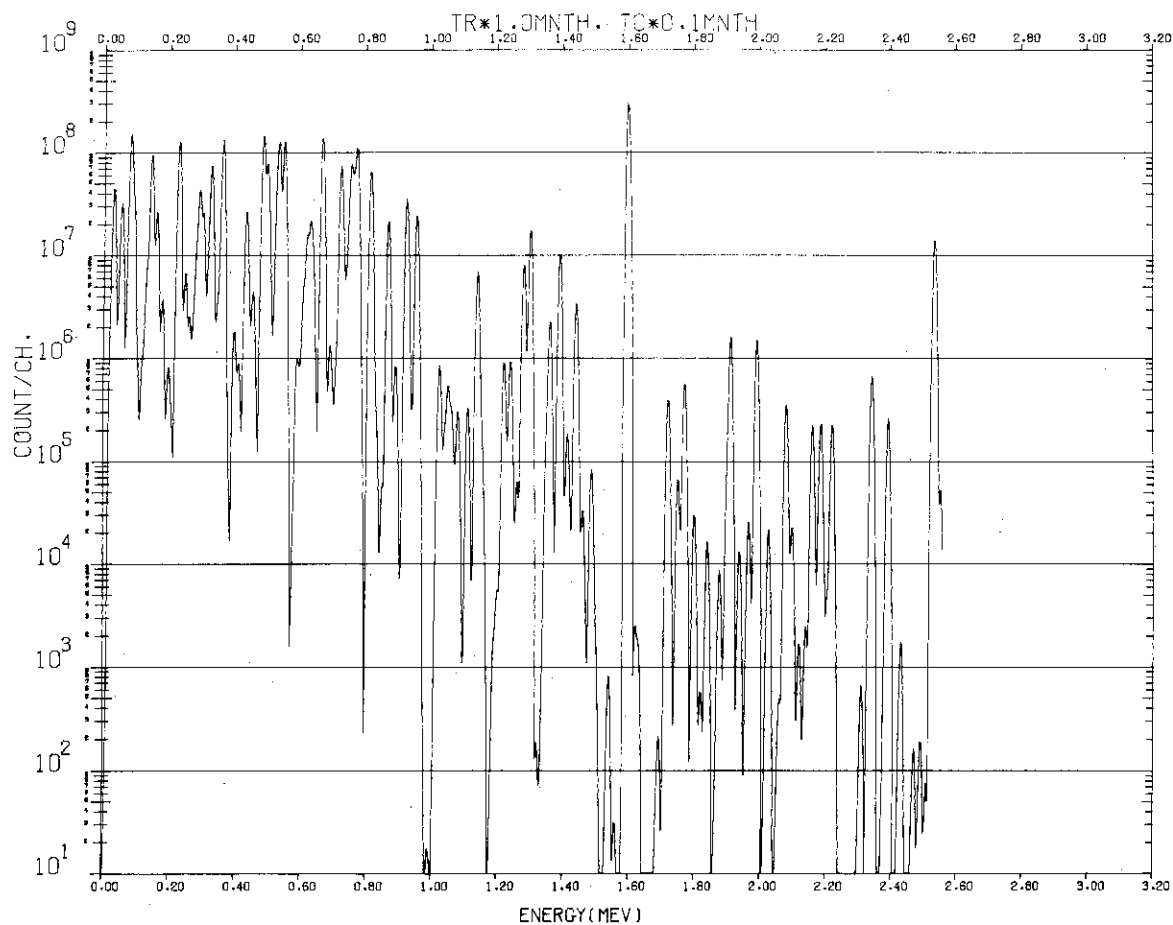


Fig.3.29. γ spectrum of FP for the thermal neutron fission of ^{235}U .
— irradiation time : 1 month. cooling time : 0.1 month.

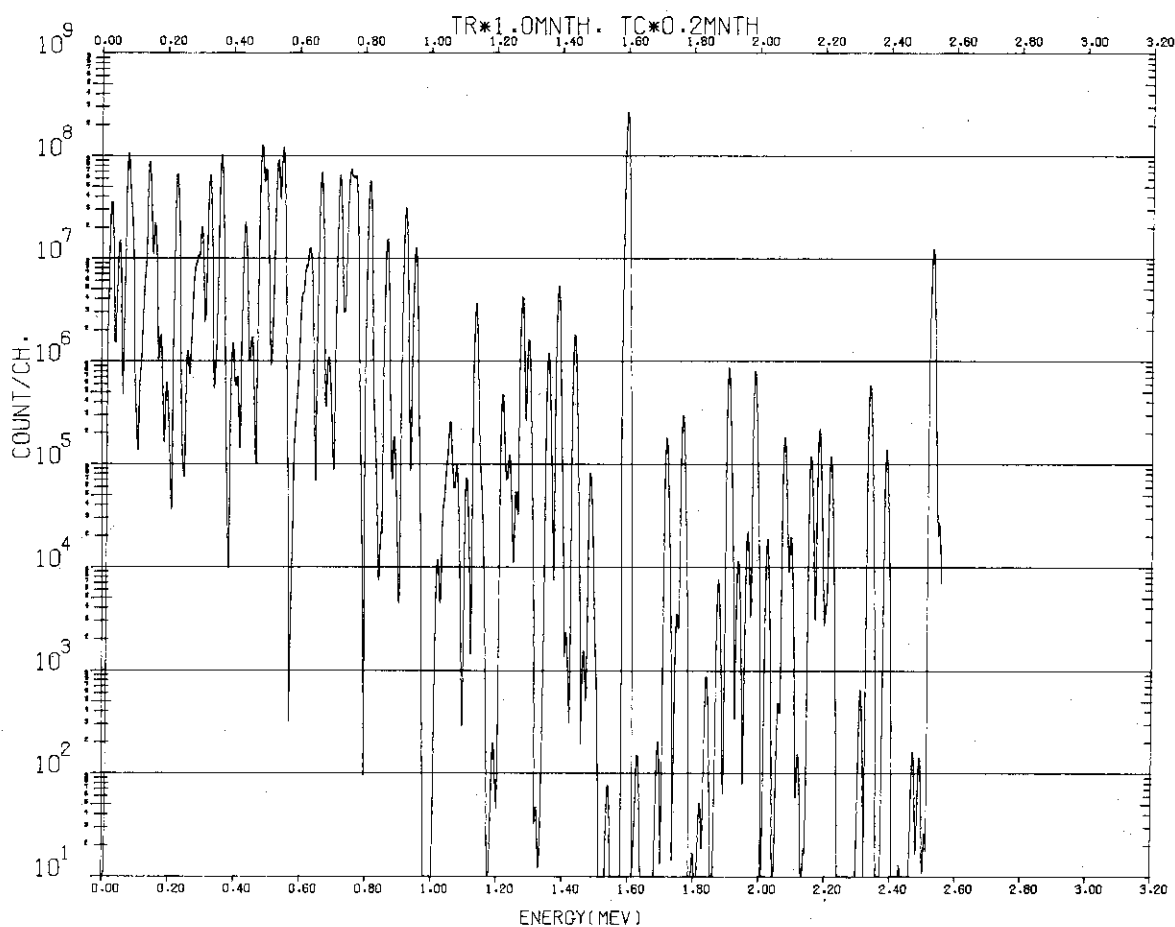


Fig.3.30. γ spectrum of FP for the thermal neutron fission of ^{235}U .
— irradiation time : 1 month. cooling time : 0.2 month.

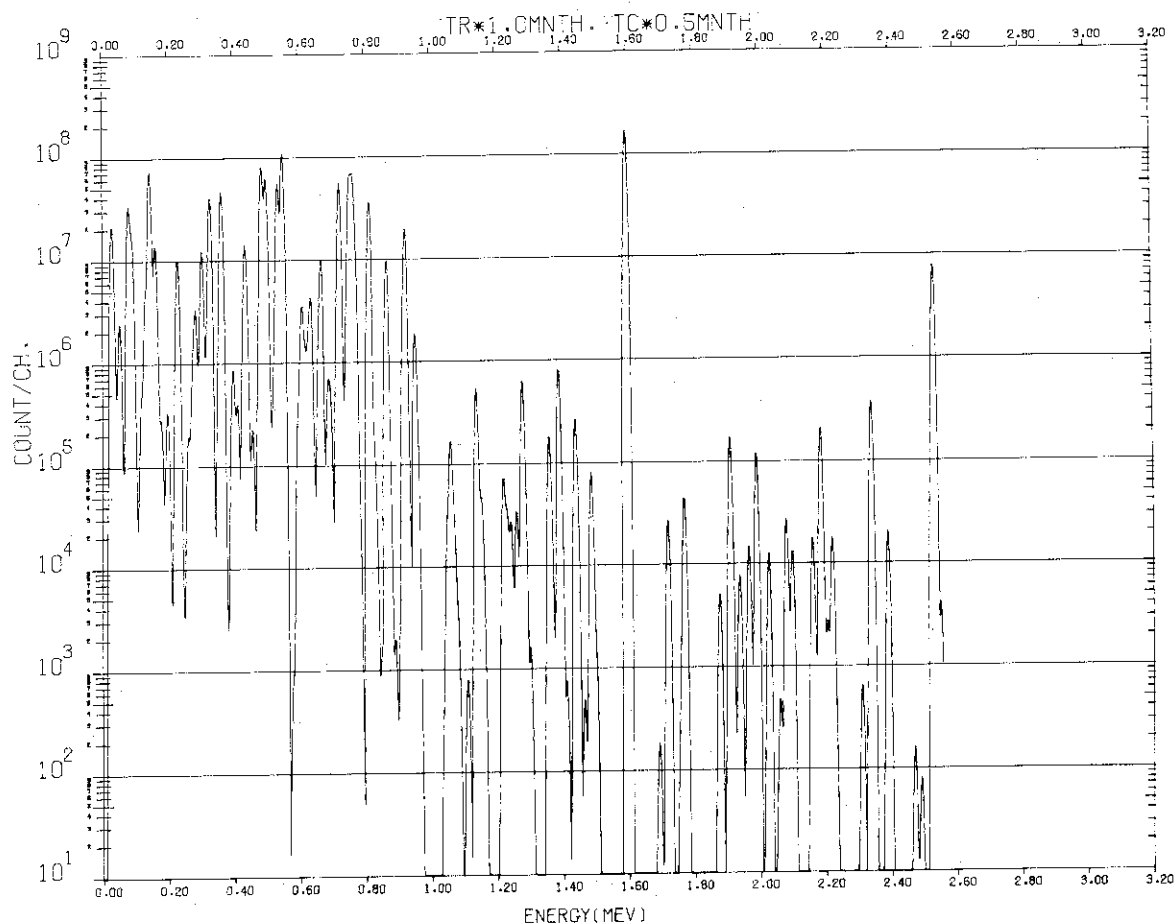


Fig.3.31 γ spectrum of FP for the thermal neutron fission of ^{235}U .
— irradiation time : 1 month. cooling time : 0.5 month.

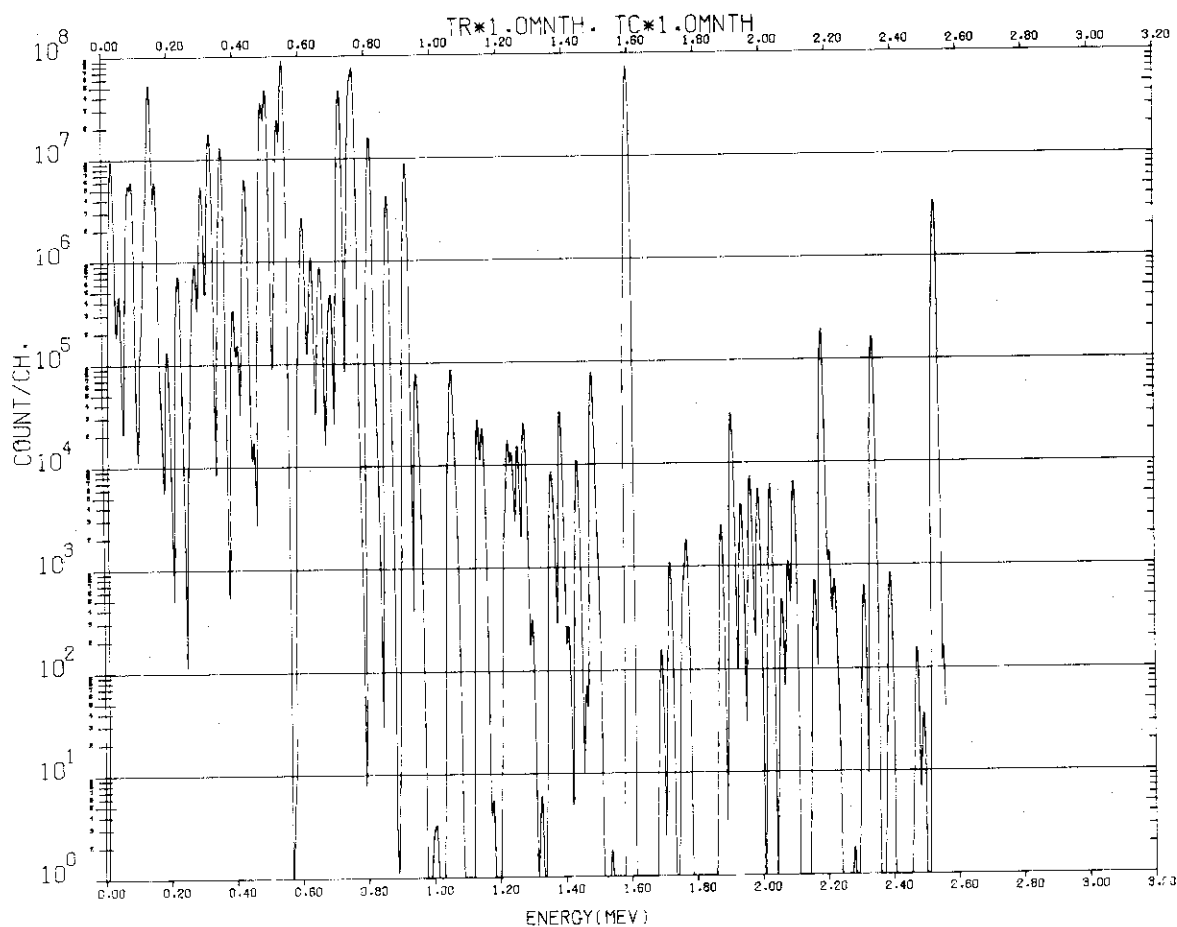


Fig.3.32. γ spectrum of FP for the thermal neutron fission of ^{235}U .
— irradiation time : 1 month. cooling time : 1 month.

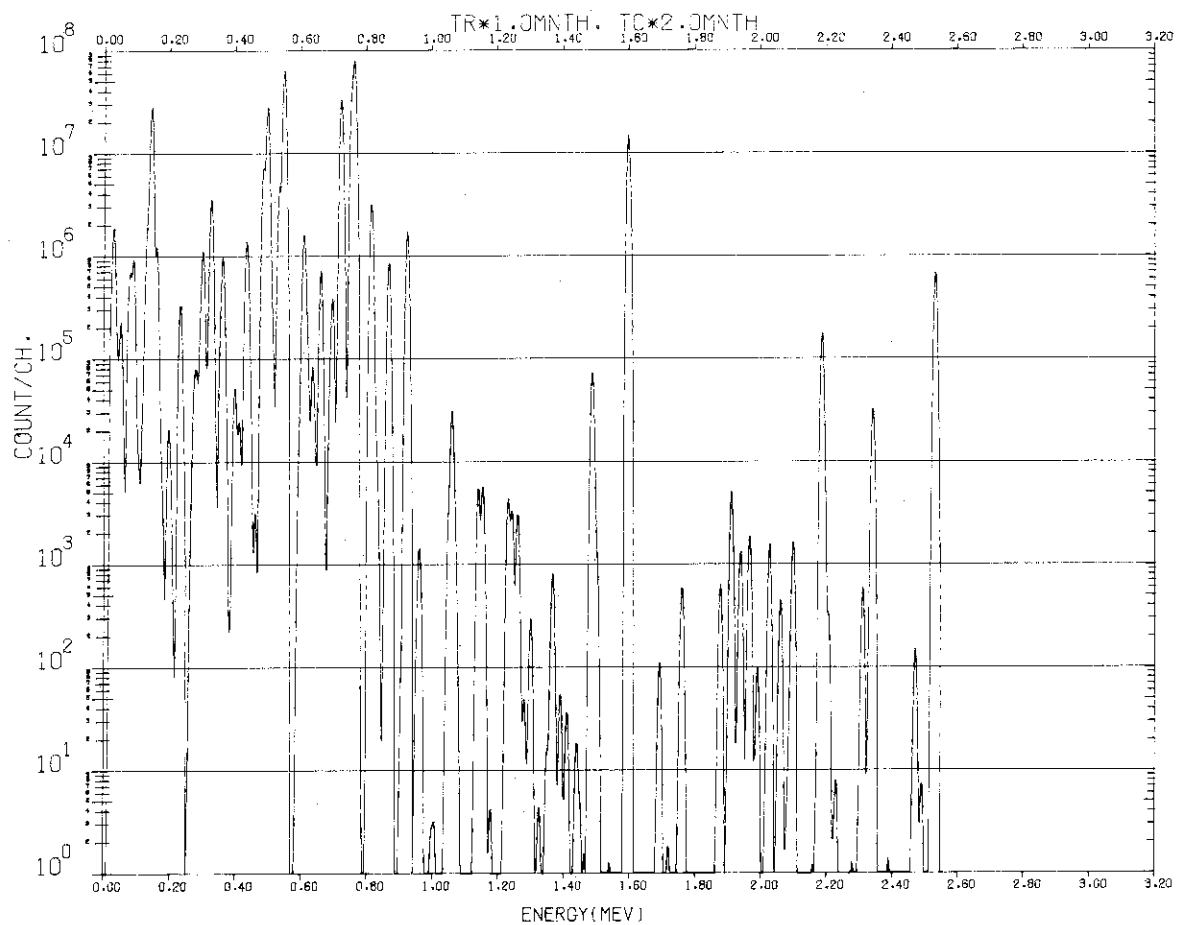


Fig.3.33. γ spectrum of FP for the thermal neutron fission of ^{235}U .
— irradiation time : 1 month. cooling time : 2 month.

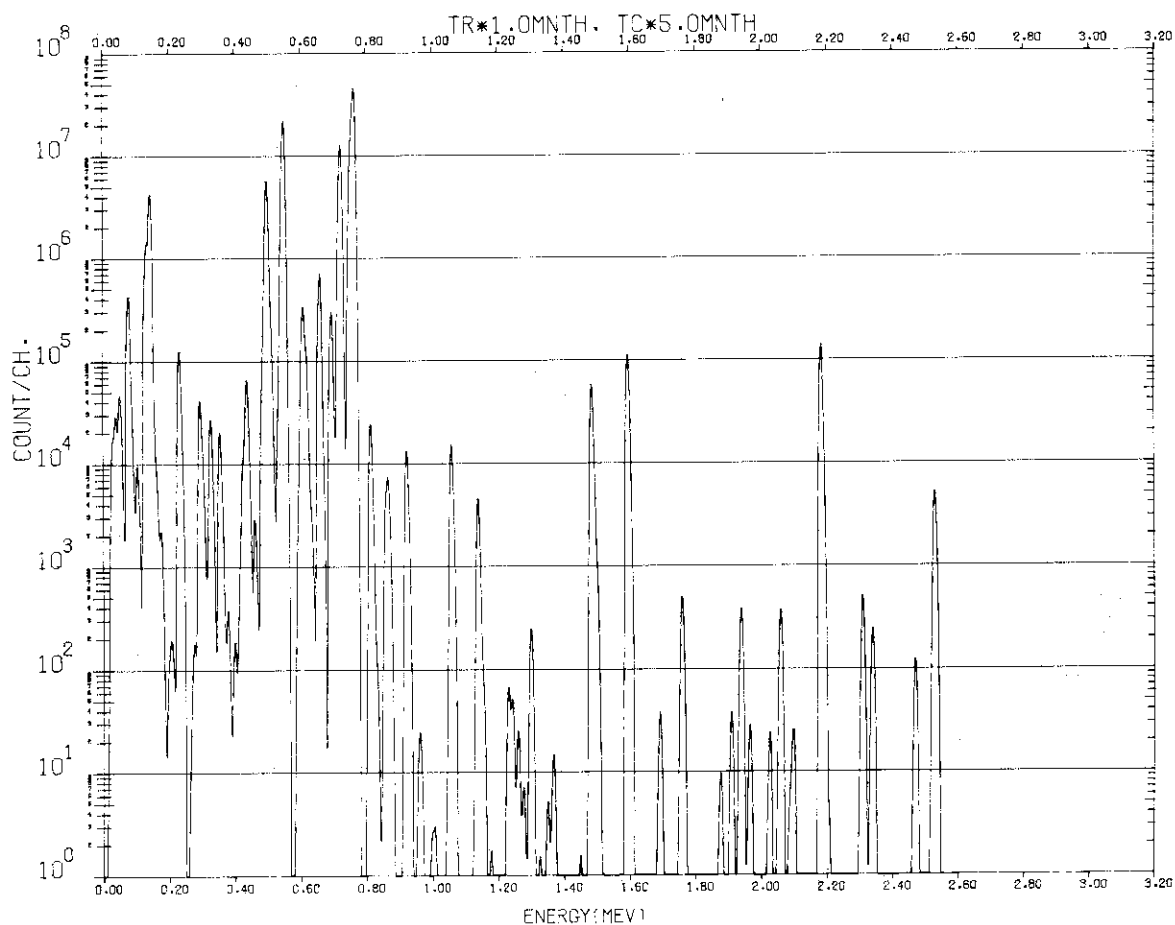


Fig.3.34. γ spectrum of FP for the thermal neutron fission of ^{235}U .
— irradiation time : 1 month. cooling time : 5 month.

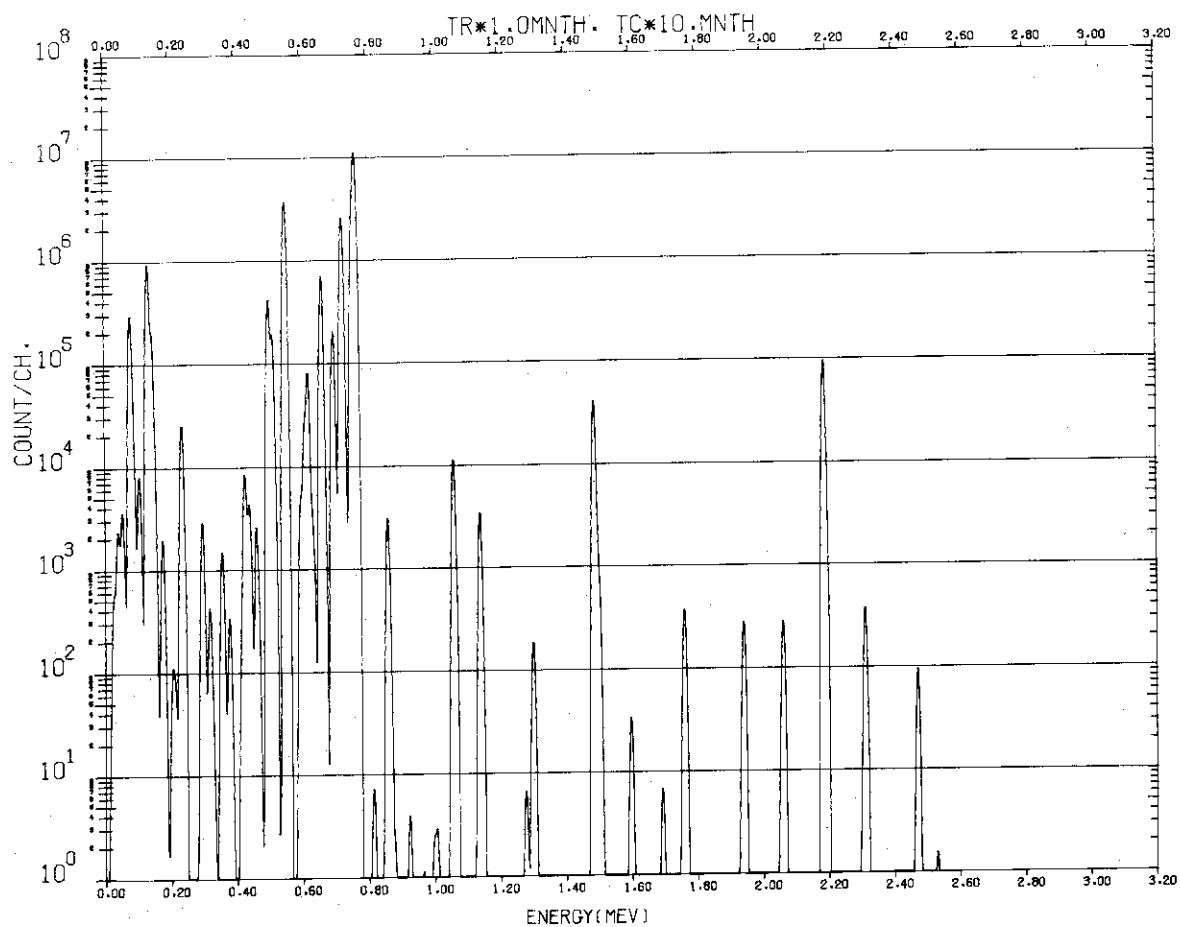


Fig.3.35. γ spectrum of FP for the thermal neutron fission of ^{235}U .
 — irradiation time : 1 month. cooling time : 10 month.

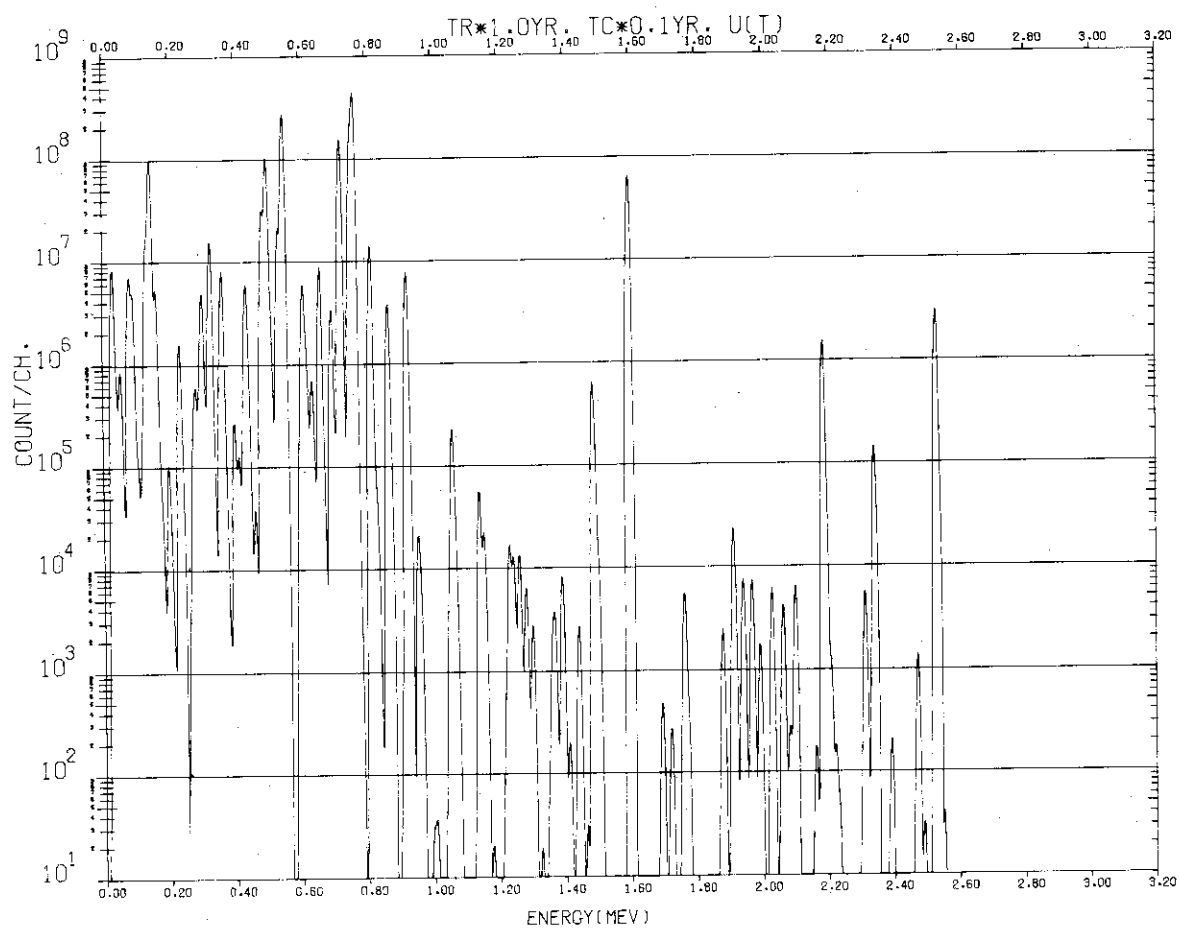


Fig.3.36. γ spectrum of FP for the thermal neutron fission of ^{235}U .
 --- irradiation time : 1 year. cooling time : 0.1 year.

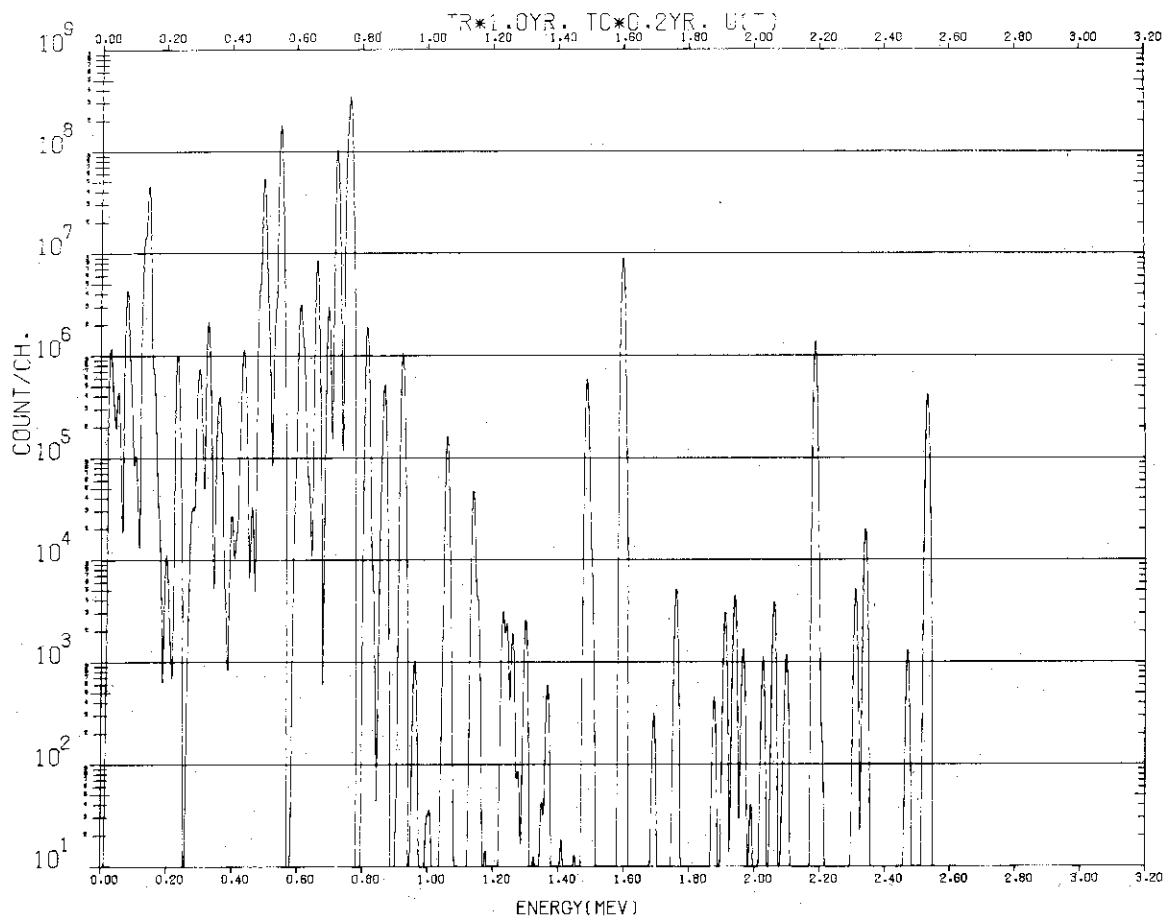


Fig.3.37. γ spectrum of FP for the thermal neutron fission of ^{235}U
 — irradiation time : 1 year. cooling time : 0.2 year.

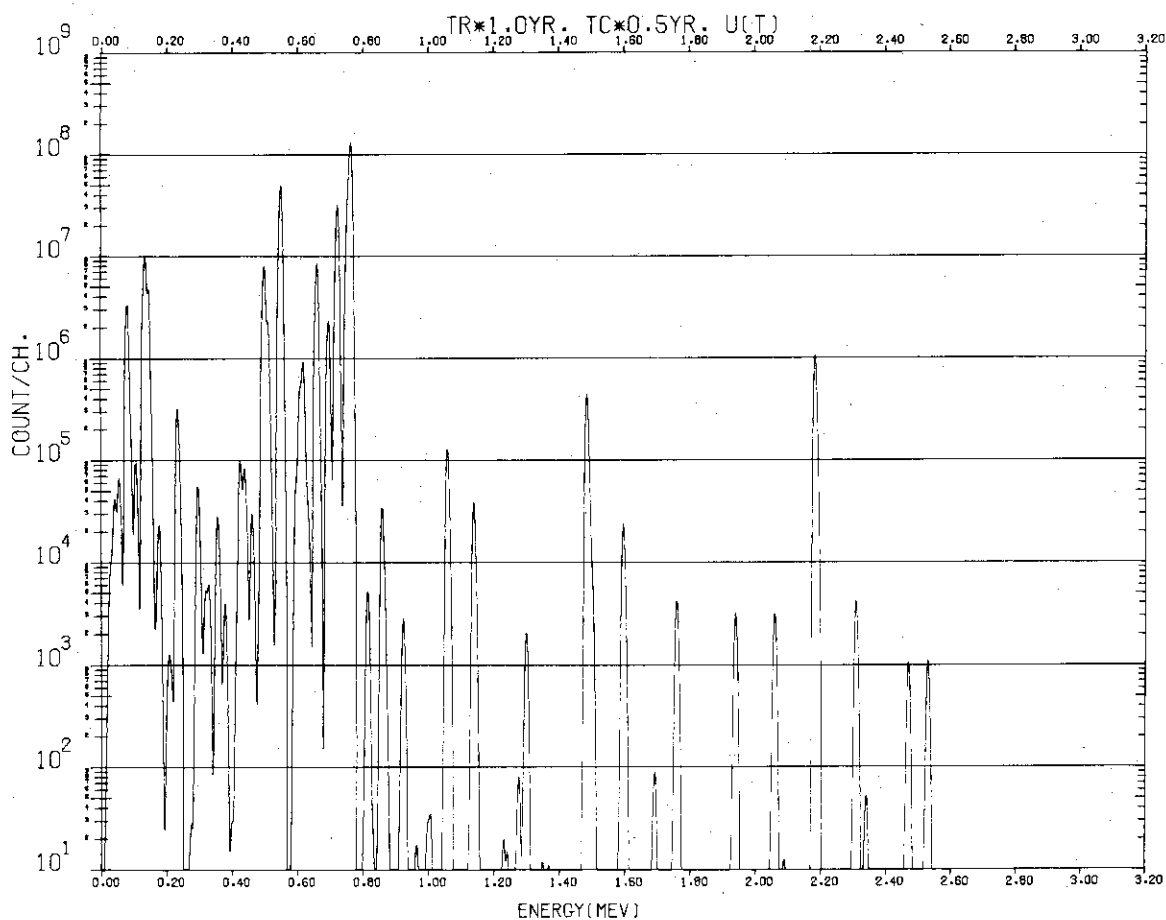


Fig.3.38. γ spectrum of FP for the thermal neutron fission of ^{235}U
 — irradiation time : 1 year. cooling time : 0.5 year.

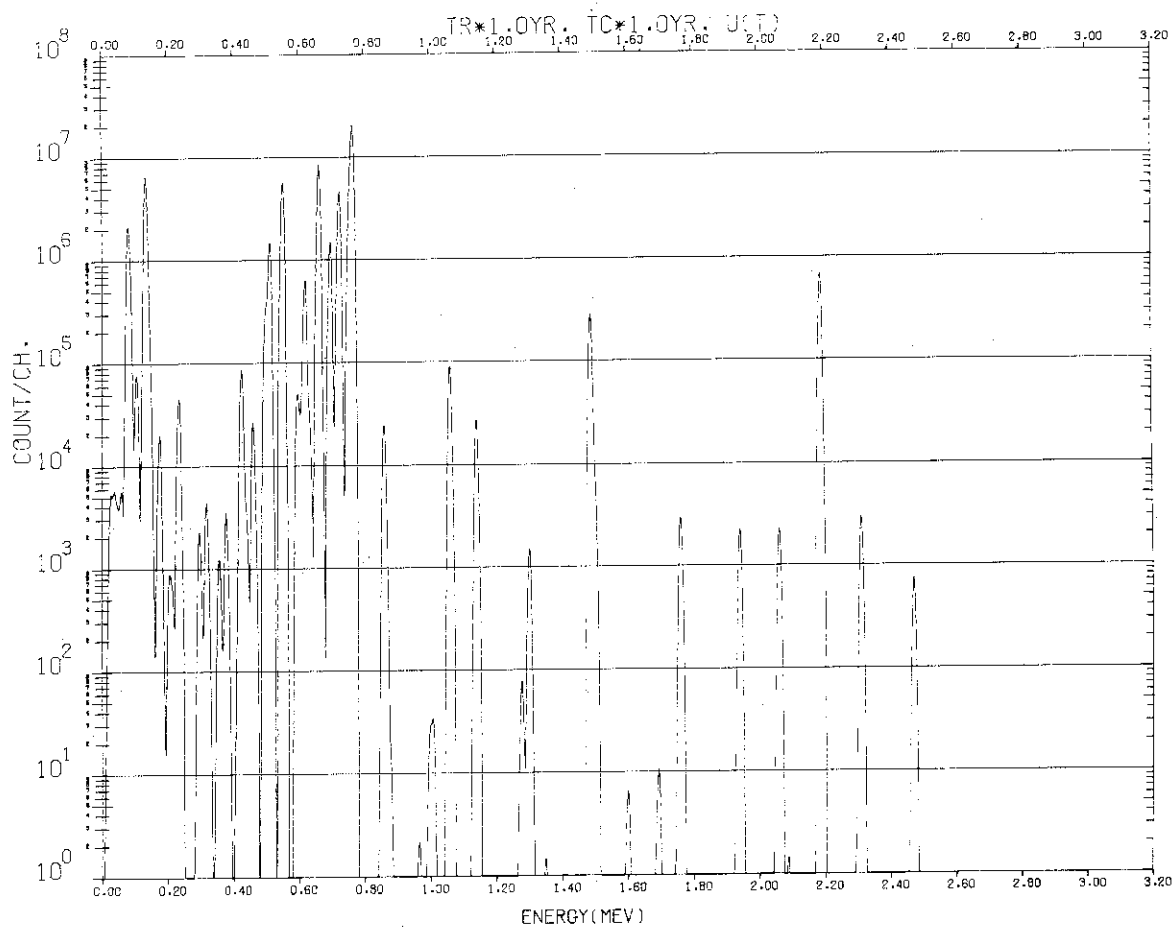


Fig.3.39. γ spectrum of FP for the thermal neutron fission of ^{235}U .
— irradiation time : 1 year. cooling time : 1 year.

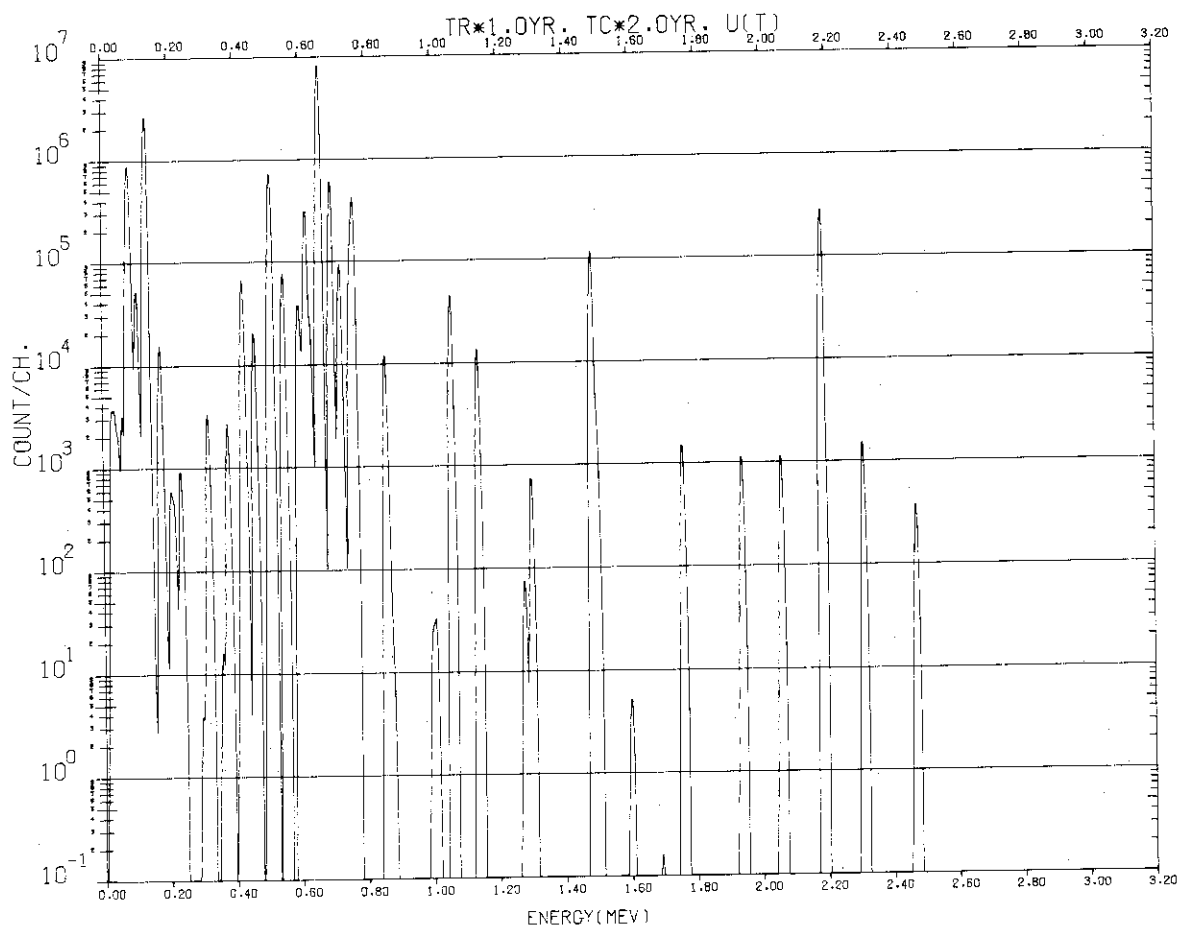


Fig.3.40. γ spectrum of FP for the thermal neutron fission of ^{235}U .
— irradiation time : 1 year. cooling time : 2 year.

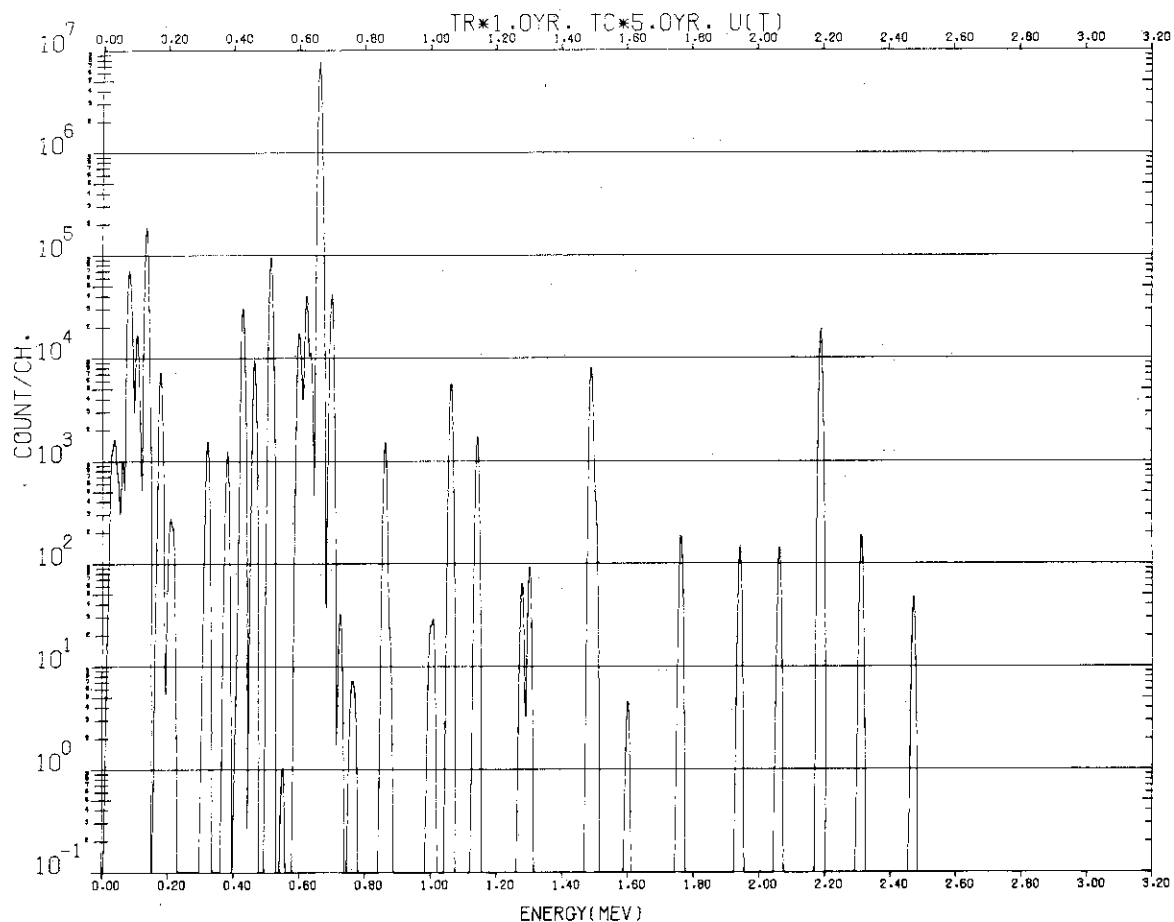


Fig.3.41. γ spectrum of FP for the thermal neutron fission of ^{235}U .
— irradiation time : 1 year. cooling time : 5 year.

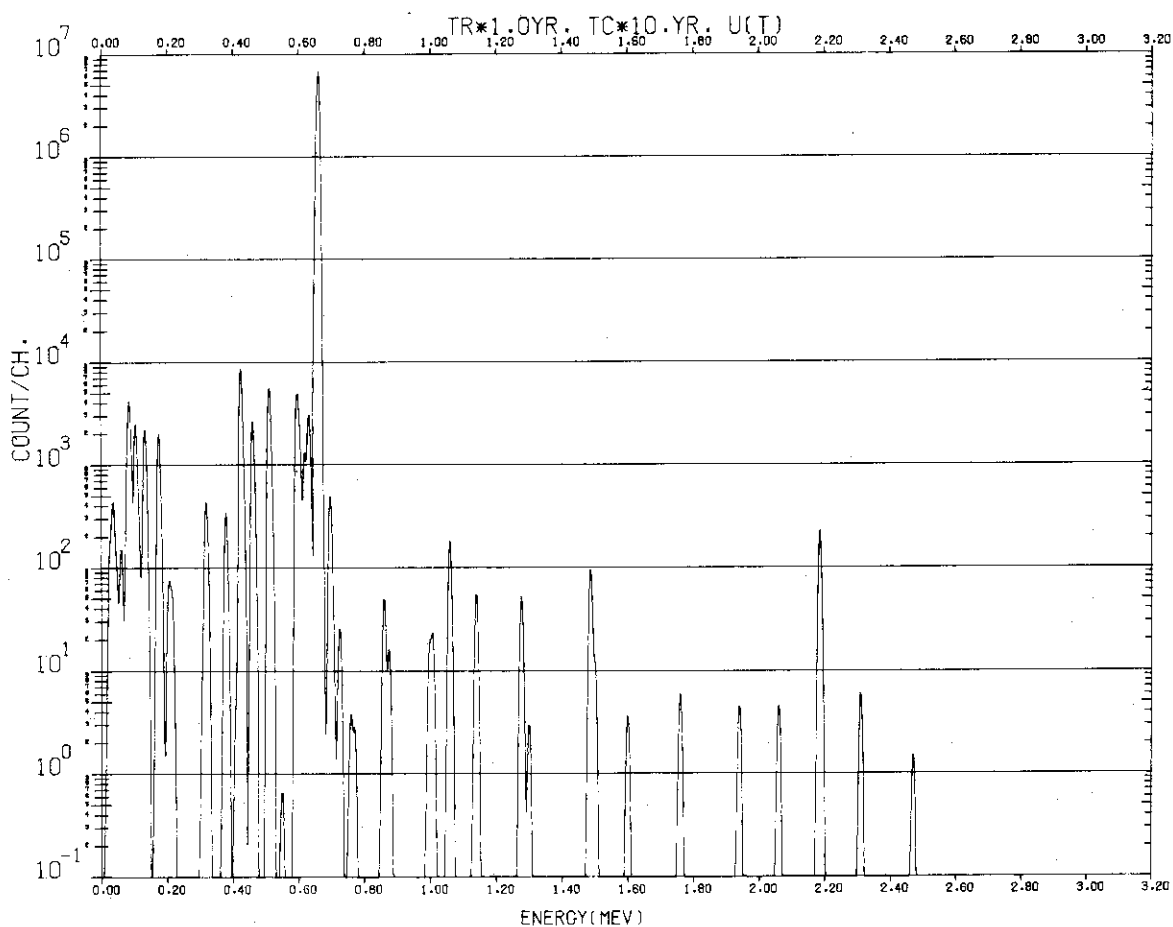


Fig.3.42. γ spectrum of FP for the thermal neutron fission of ^{235}U .
— irradiation time : 1 year. cooling time : 10 year.

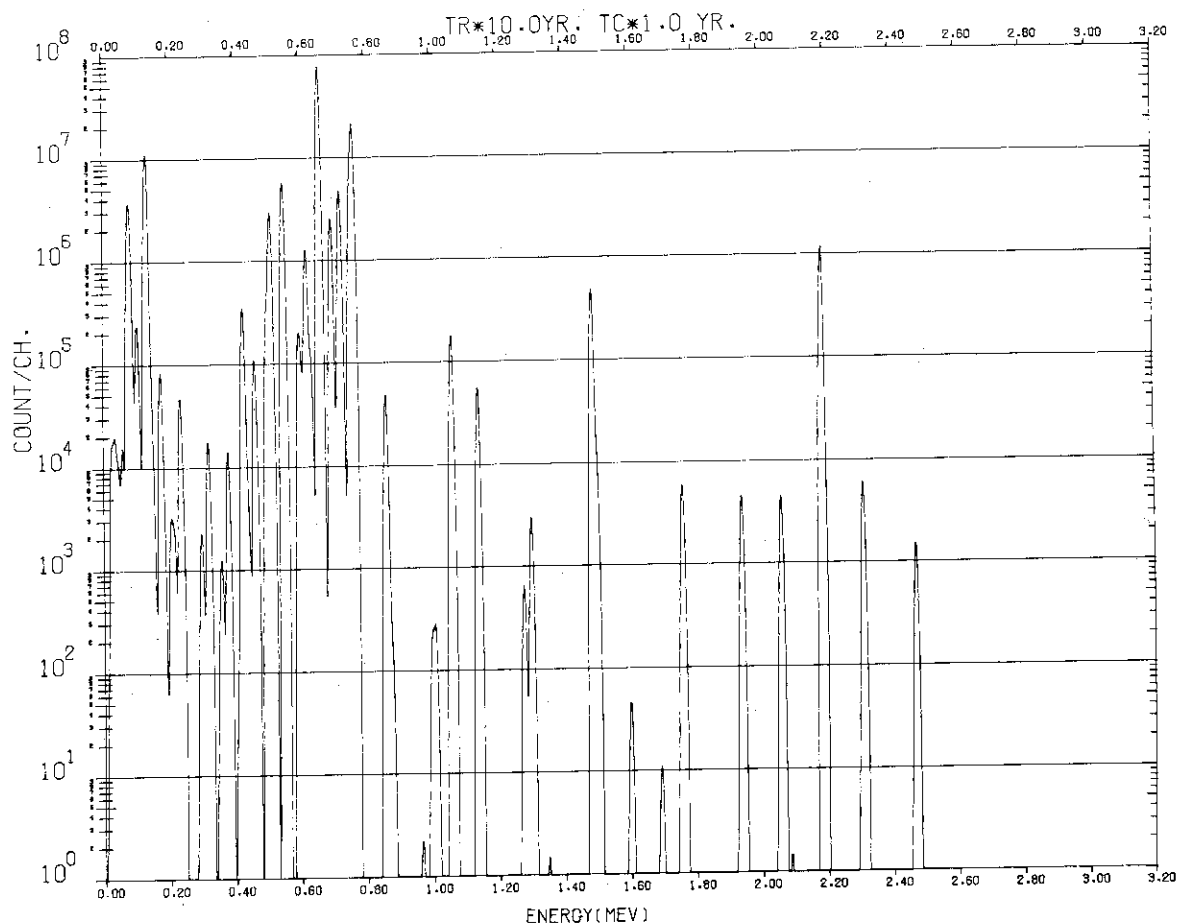


Fig.3.43. γ spectrum of FP for the thermal neutron fission of ^{235}U .
— irradiation time : 10 years. cooling time : 1 year.

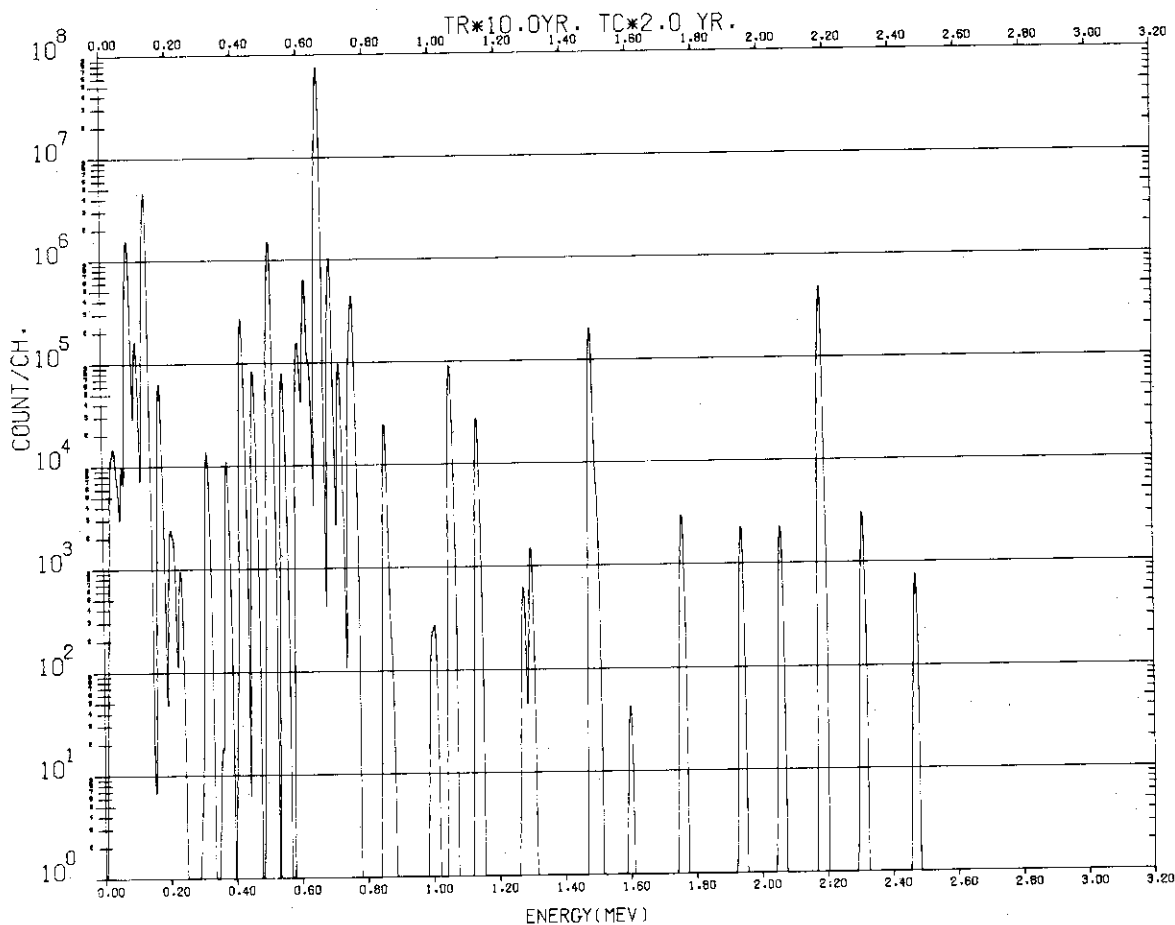


Fig.3.44. γ spectrum of FP for the thermal neutron fission of ^{235}U .
— irradiation time : 10 years. cooling time : 2 years.

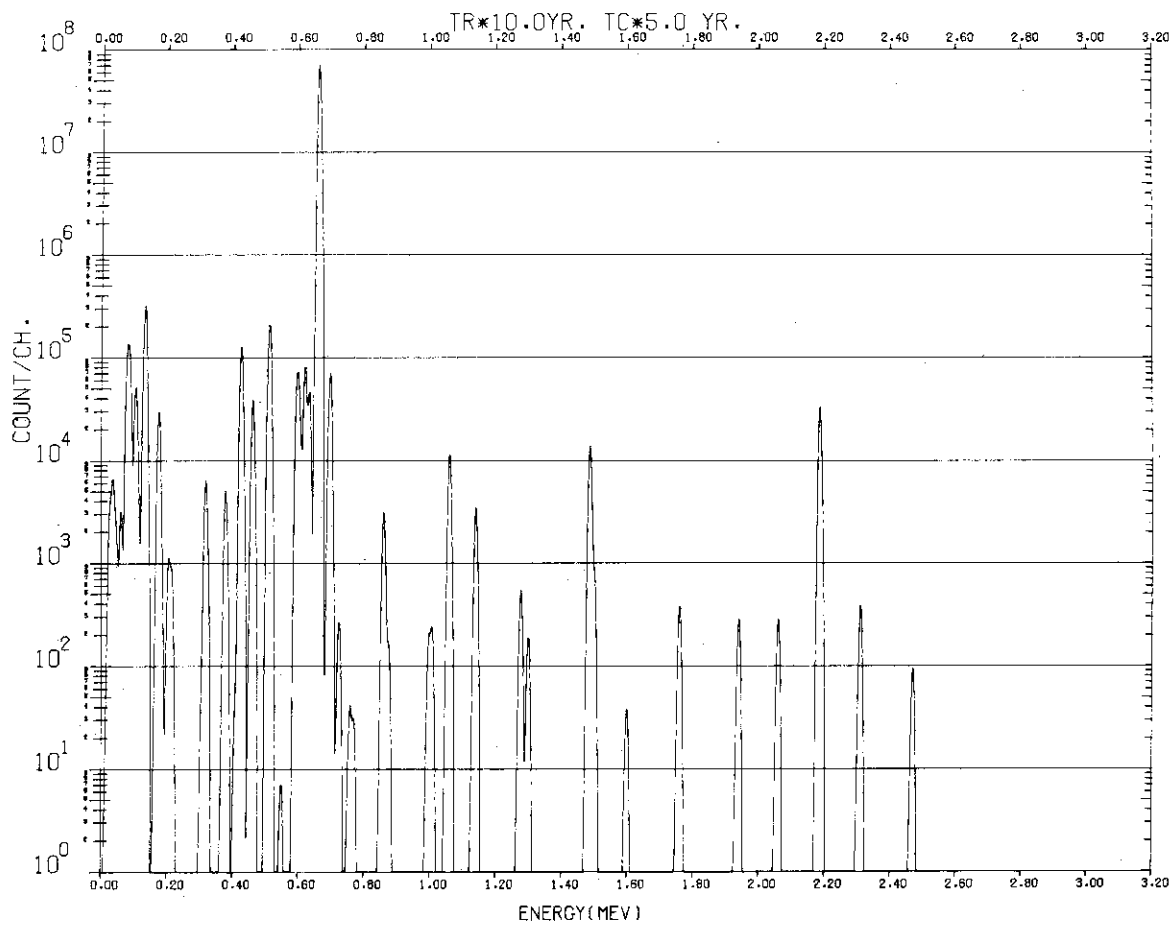


Fig.3.45. γ spectrum of FP for the thermal neutron fission of ^{235}U .
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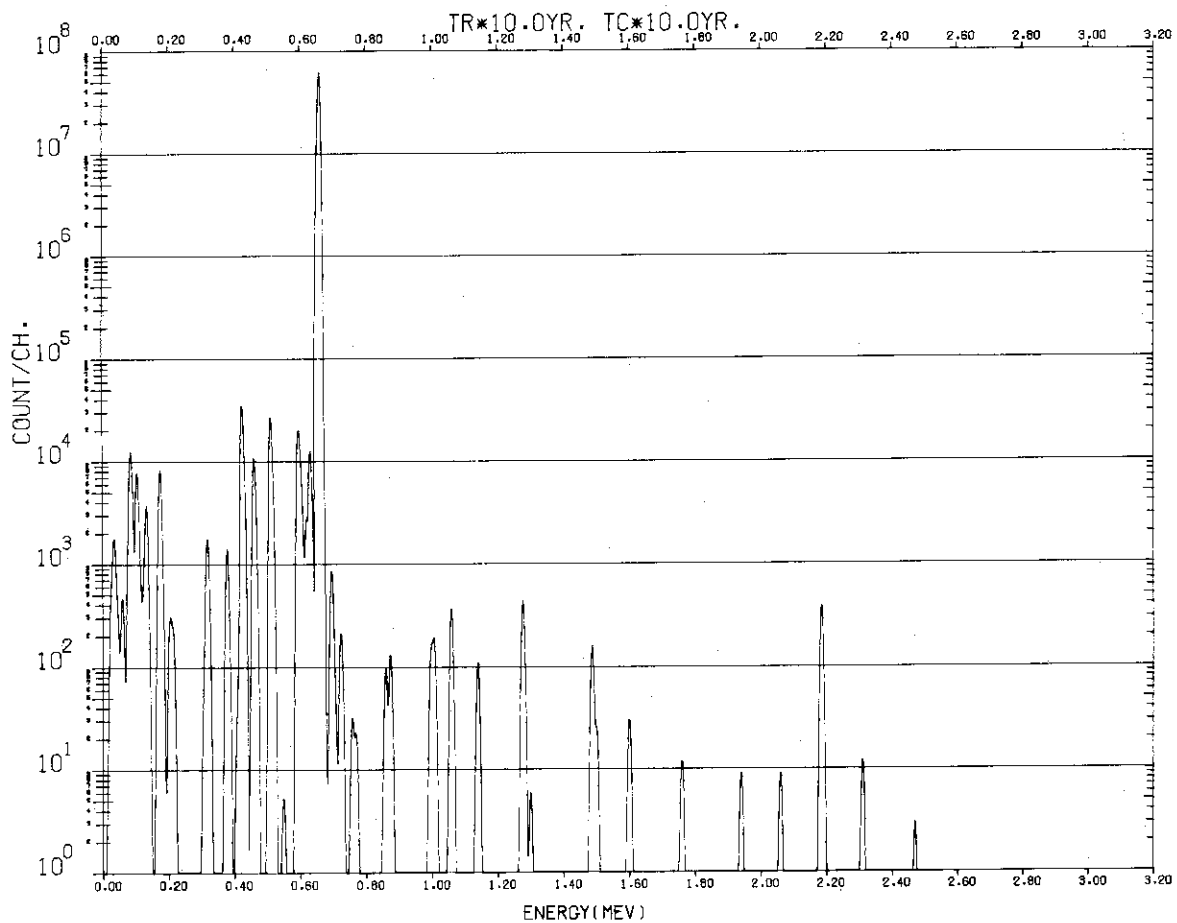


Fig.3.46. γ spectrum of FP for the thermal neutron fission of ^{235}U .
— irradiation time : 10 years. cooling time : 10 years.

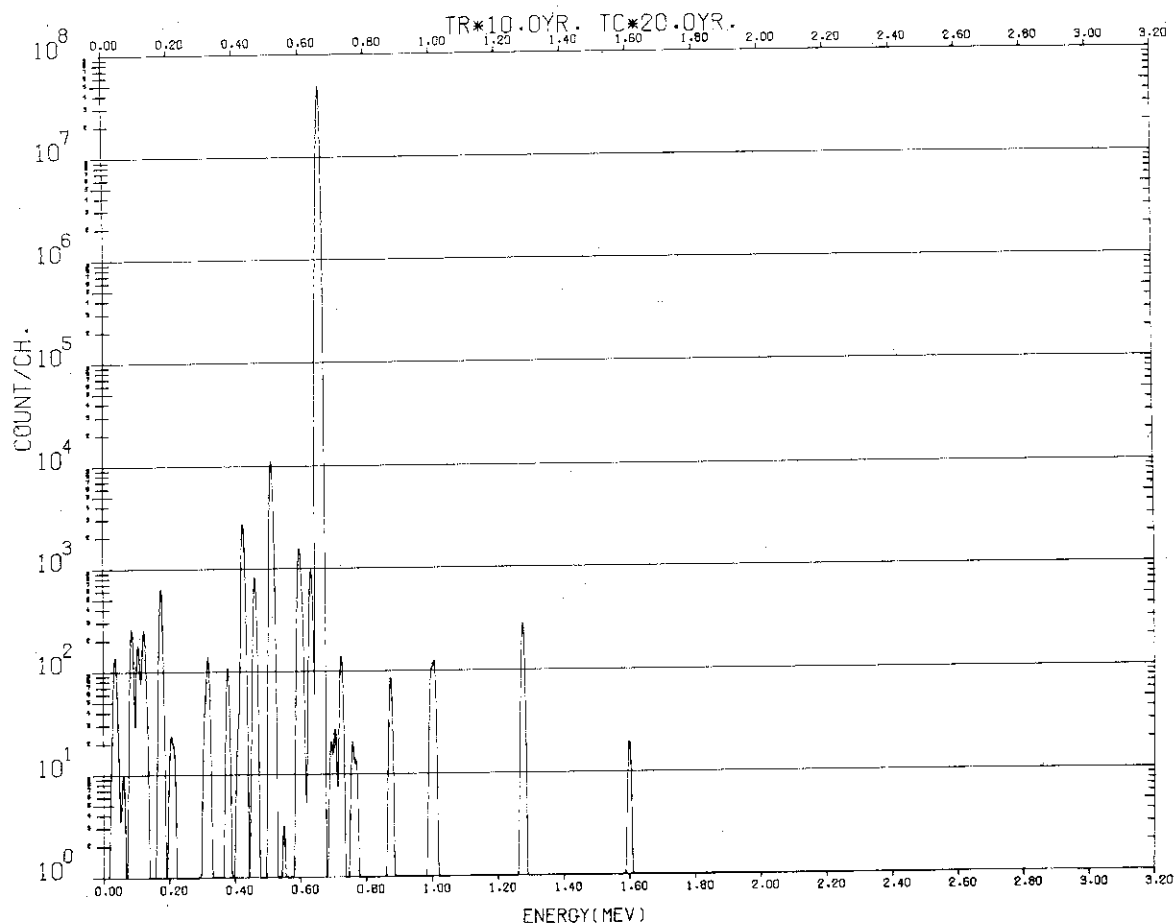


Fig.3.47. γ spectrum of FP for the thermal neutron fission of ^{235}U .
—irradiation time : 10 years. cooling time : 20 years.

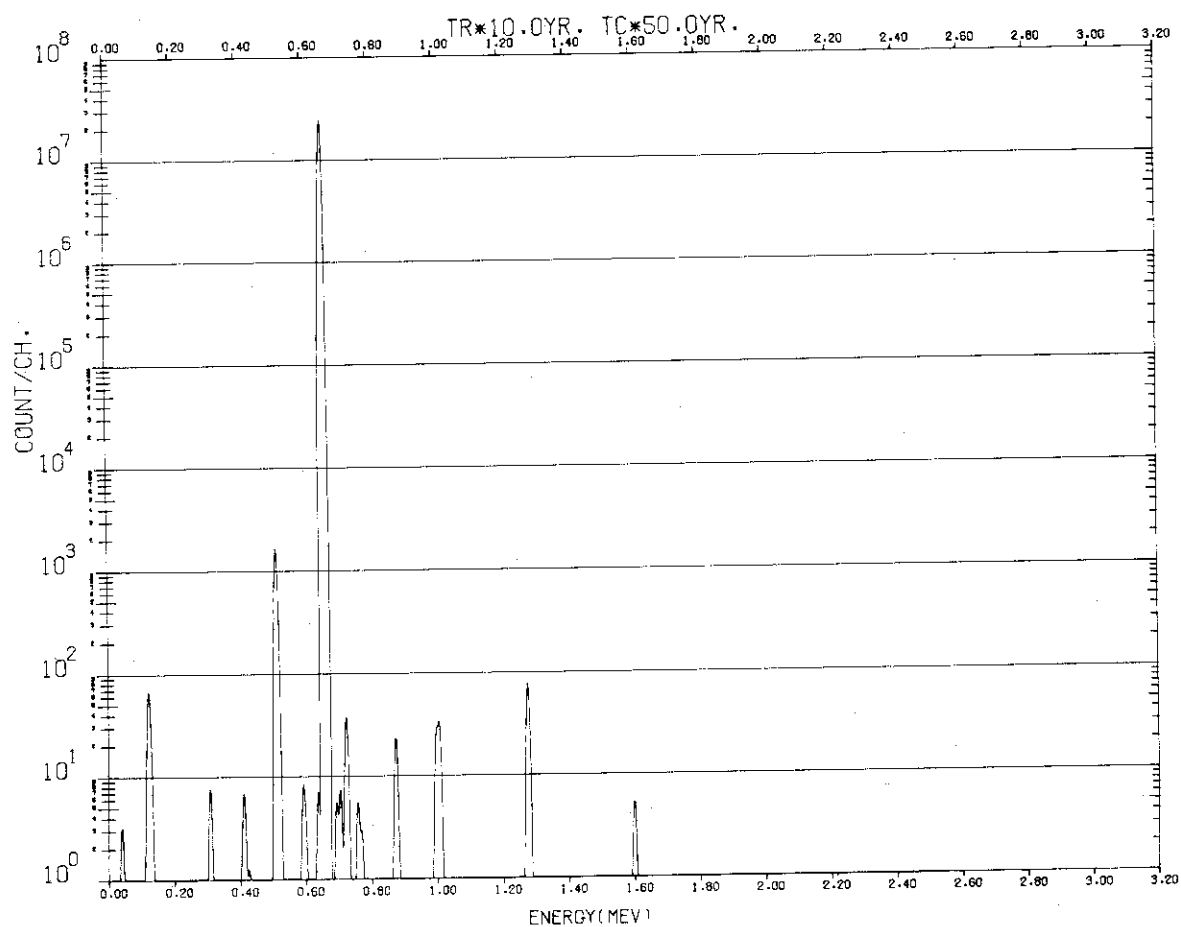


Fig.3.48. γ spectrum of FP for the thermal neutron fission of ^{235}U .
—irradiation time : 10 years. cooling time : 50 years.

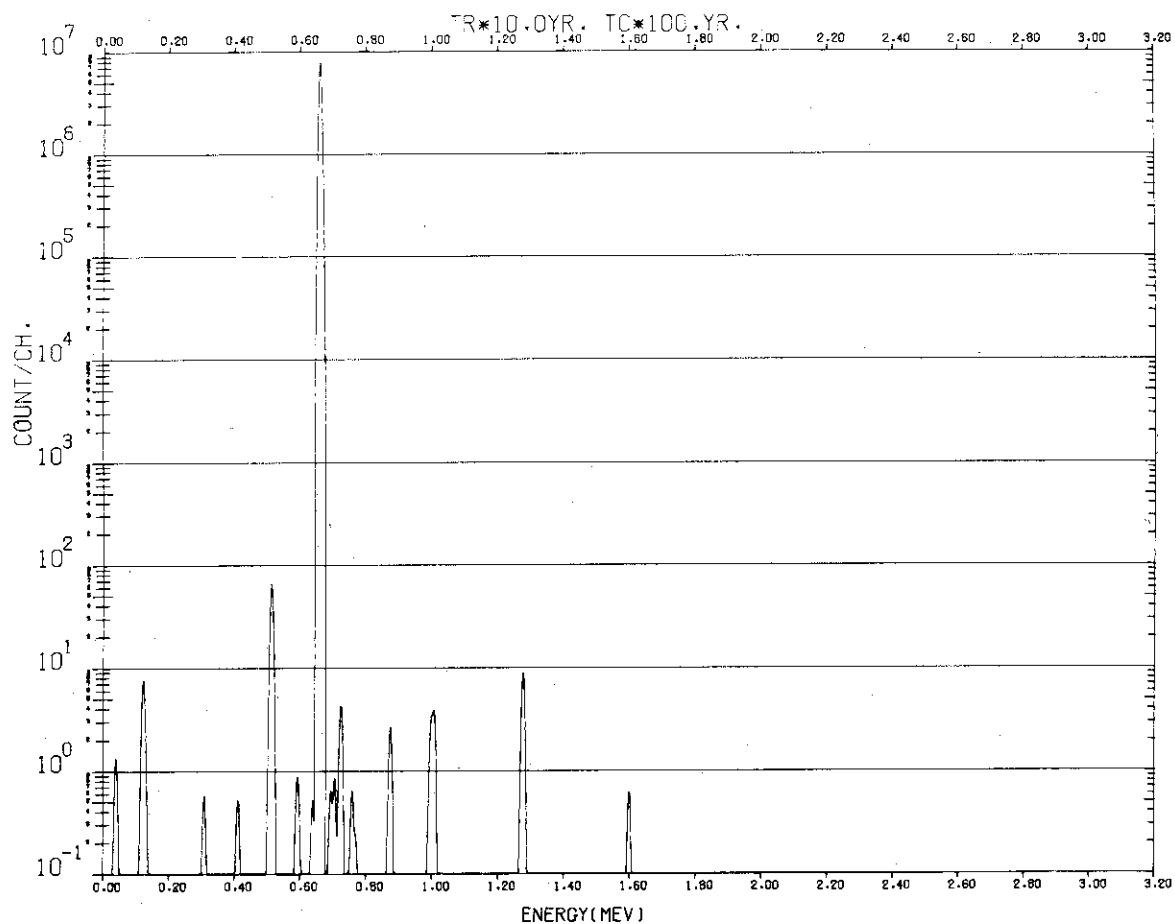


Fig.3.49. γ spectrum of FP for the thermal neutron fission of ^{235}U .
— irradiation time : 10 years. cooling time : 100 years.

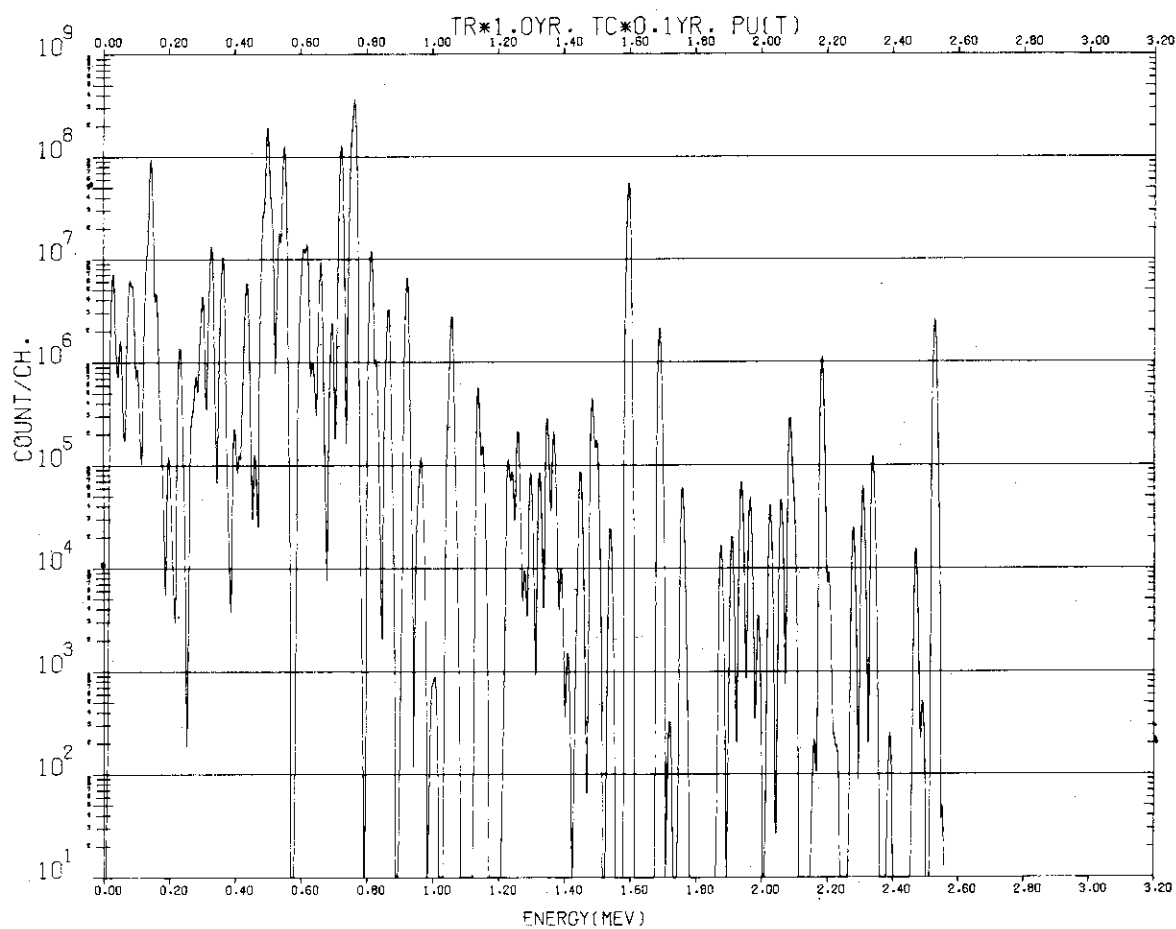


Fig.3.50. γ spectrum of FP for the thermal neutron fission of ^{239}Pu .
— irradiation time : 1 year. cooling time : 0.1 year.

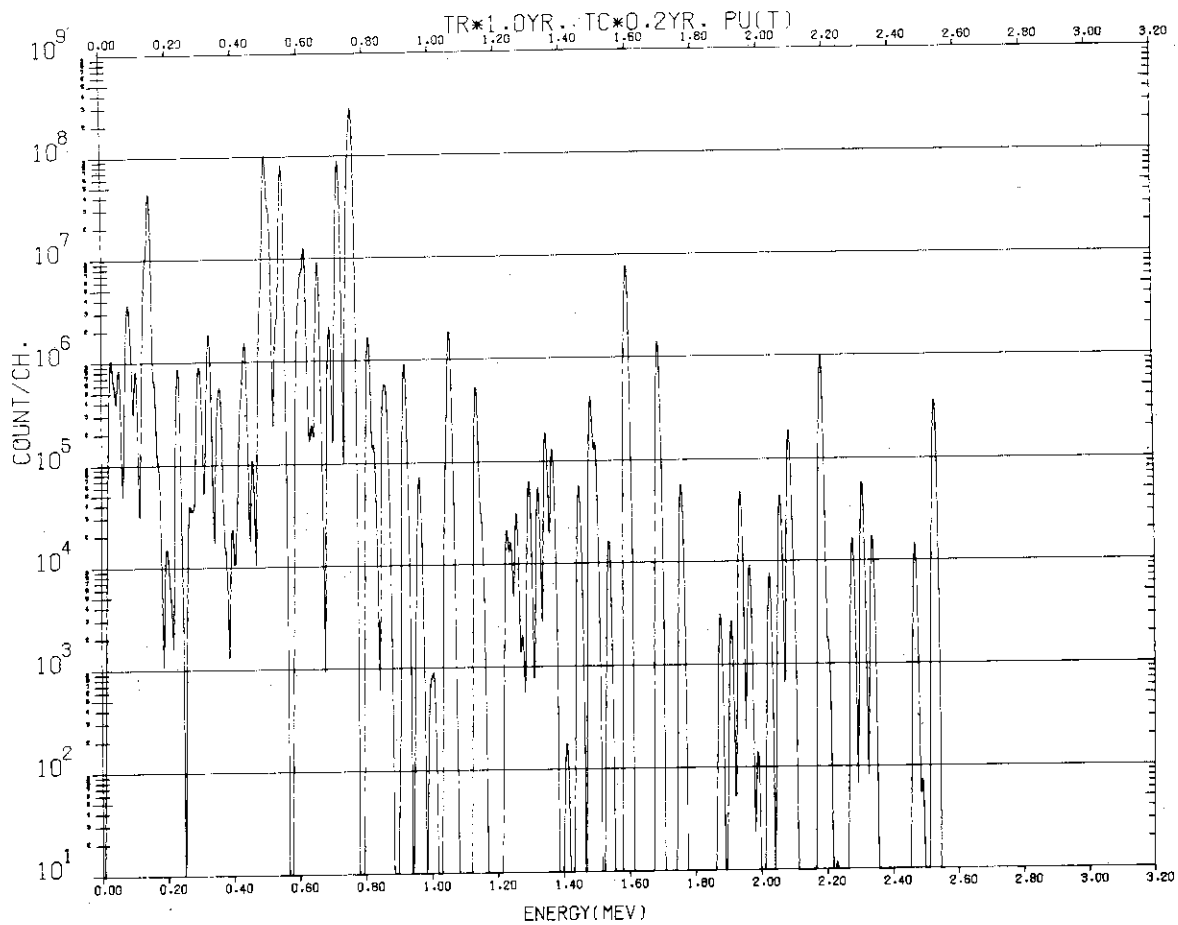


Fig.3.51. γ spectrum of FP for the thermal neutron fission of ^{239}Pu .
— irradiation time : 1 year. cooling time : 0.2 year.

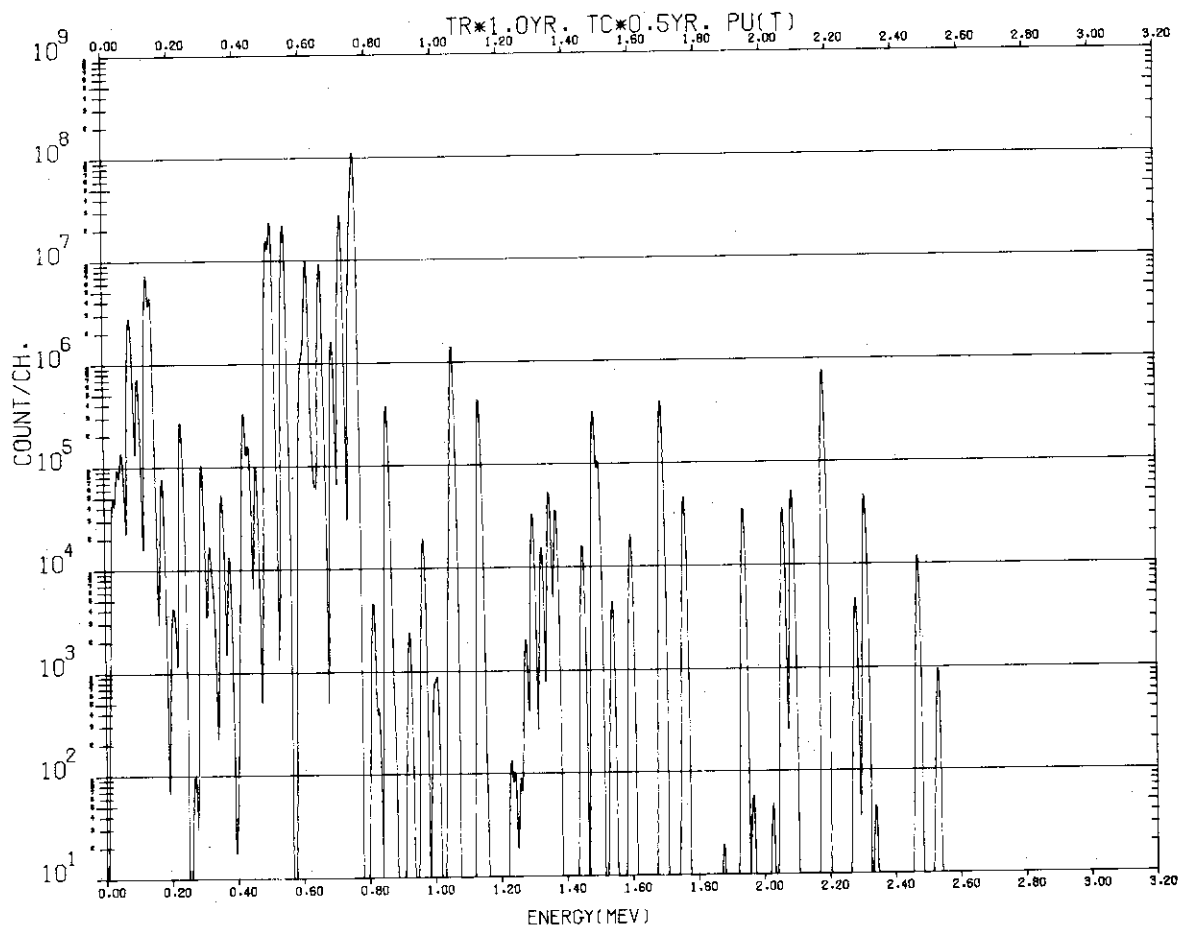


Fig.3.52. γ spectrum of FP for the thermal neutron fission of ^{239}Pu .
— irradiation time : 1 year. cooling time : 0.5 year.

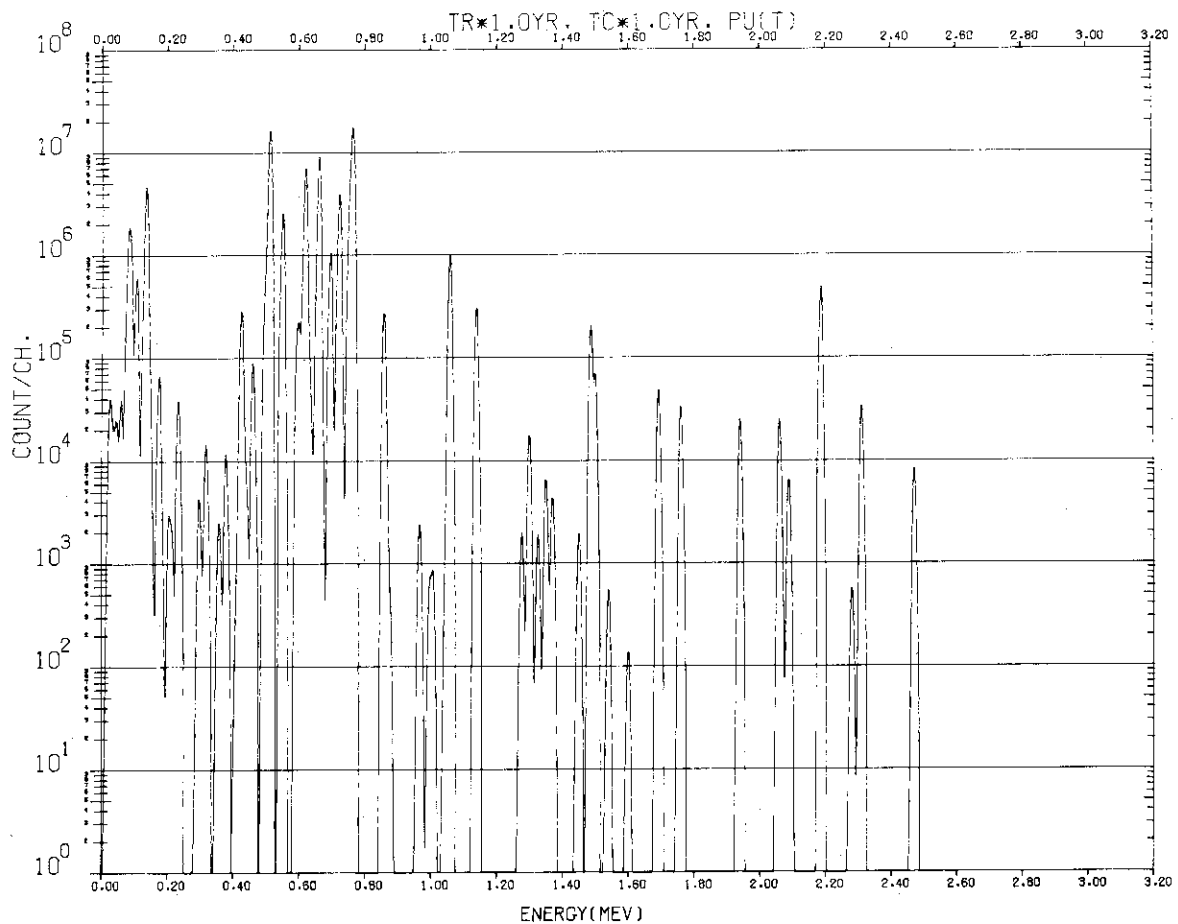


Fig.3.53. γ spectrum of FP for the thermal neutron fission of ^{239}Pu .
 — irradiation time : 1 year. cooling time : 1 year.

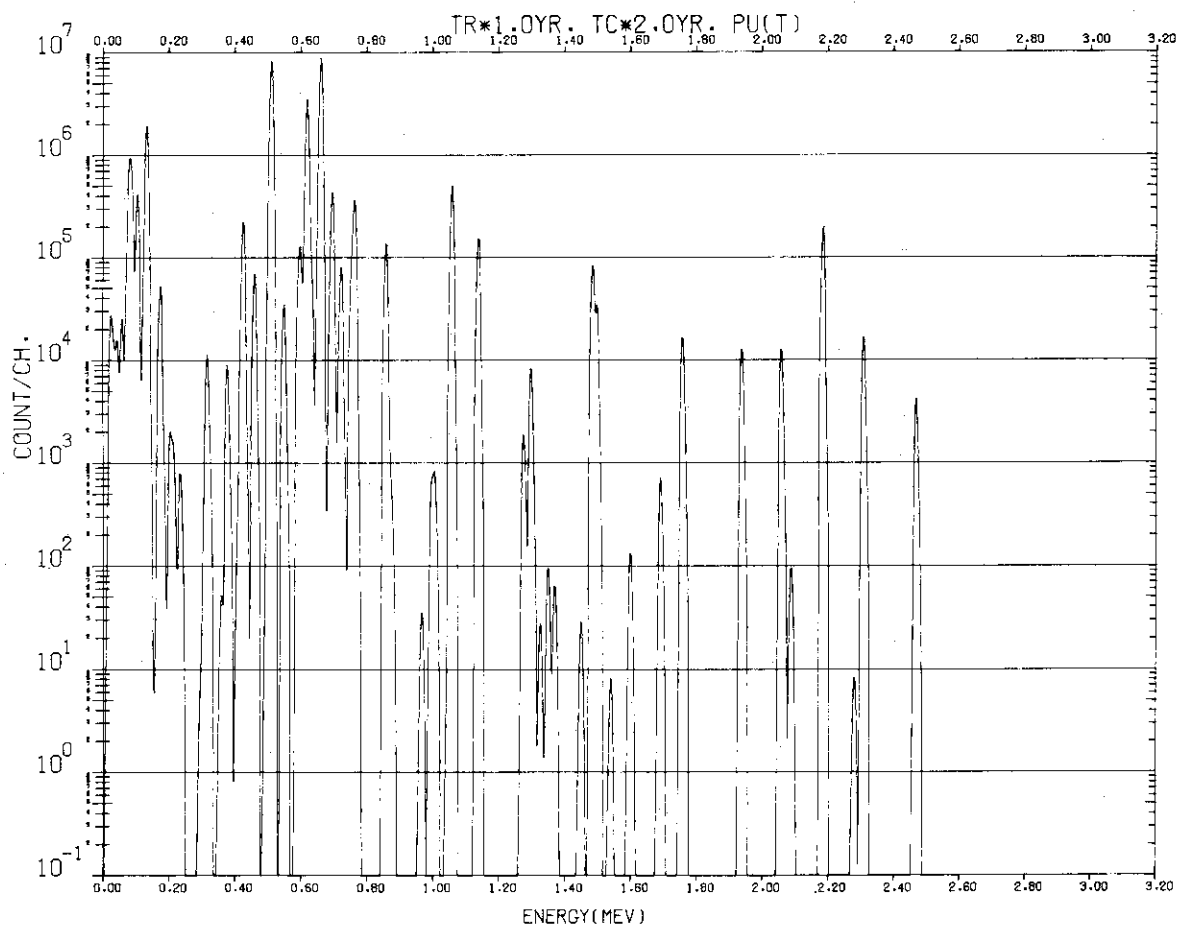


Fig.3.54. γ spectrum of FP for the thermal neutron fission of ^{239}Pu .
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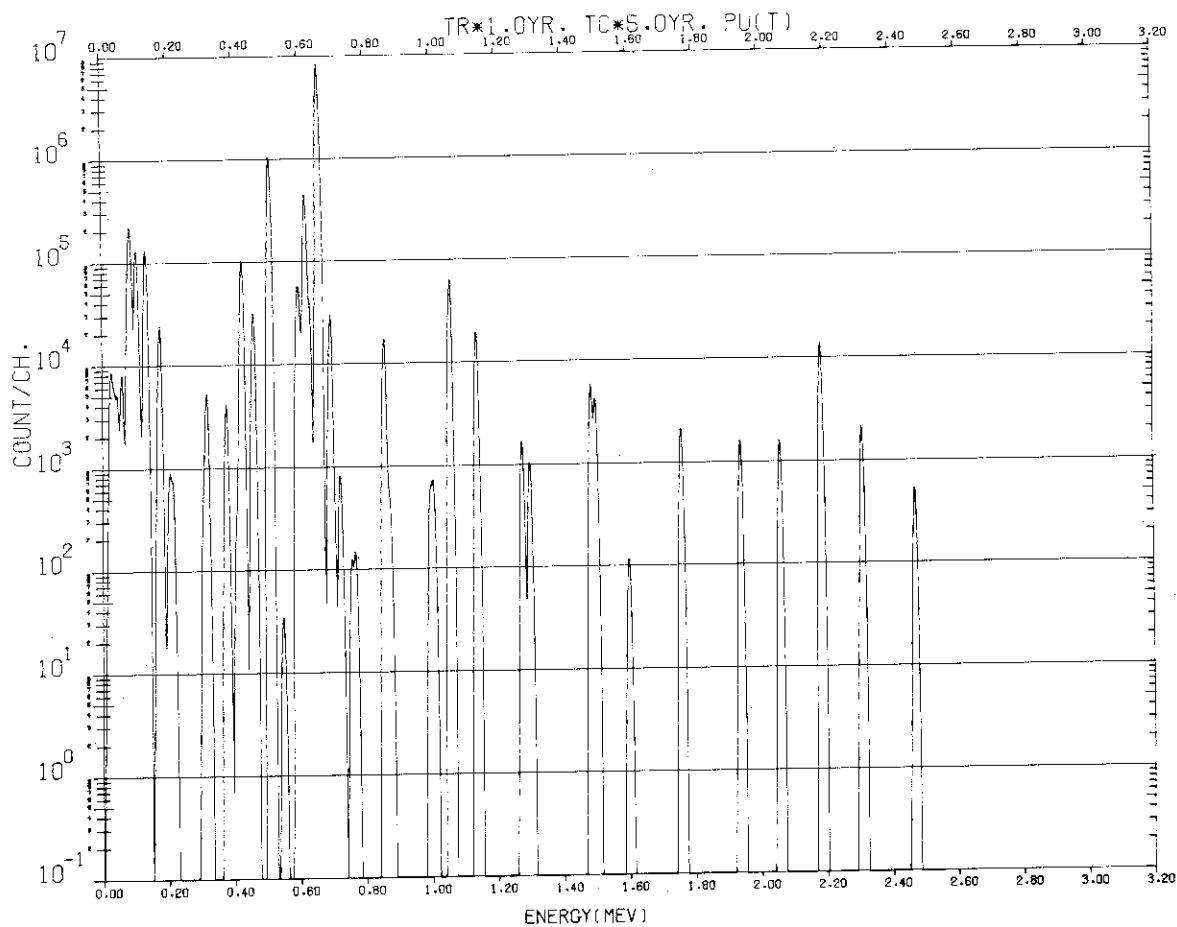


Fig. 3.55. γ spectrum of FP for the thermal neutron fission of ^{239}Pu .
— irradiation time : 1 year. cooling time : 5 year.

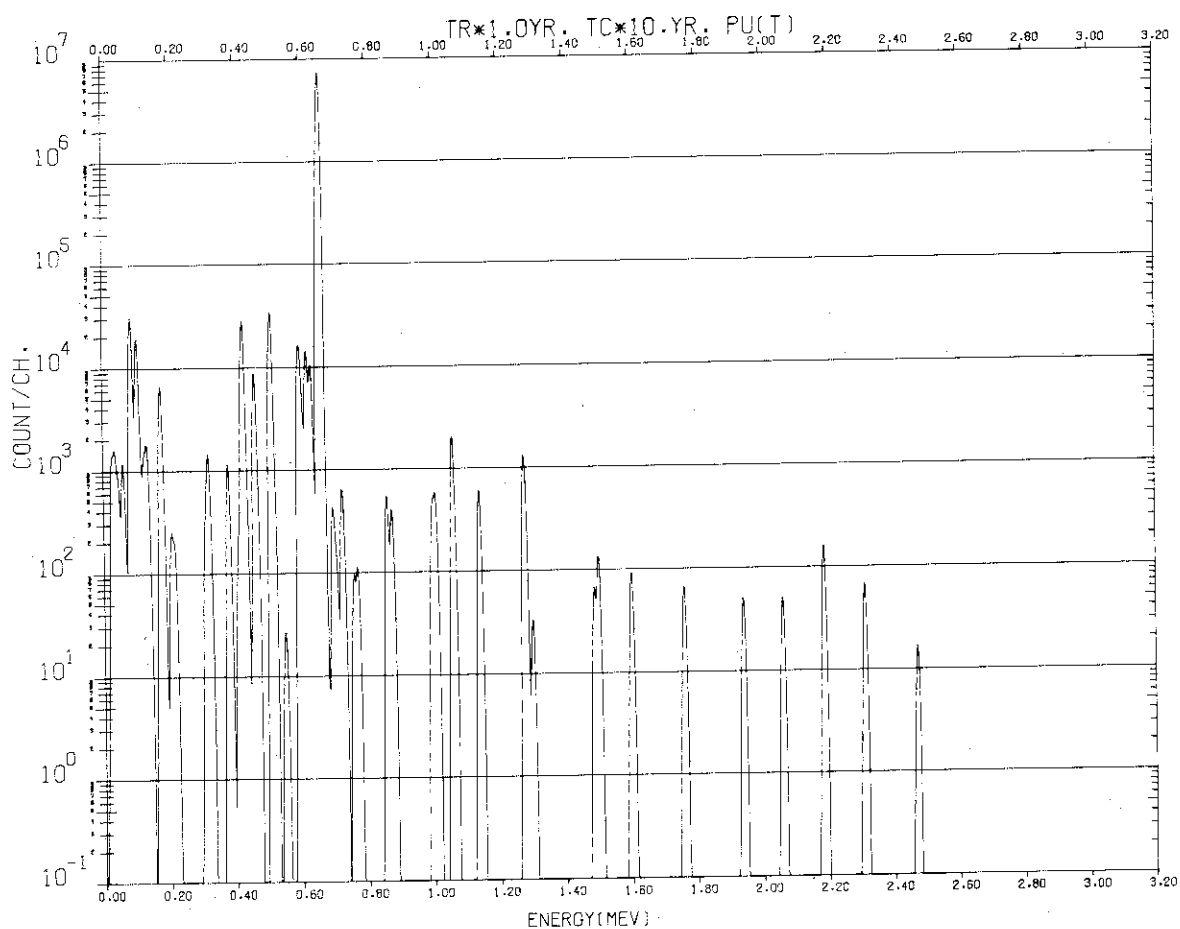


Fig. 3.56. γ spectrum of FP for the thermal neutron fission of ^{239}Pu .
— irradiation time : 1 year. cooling time : 10 year.

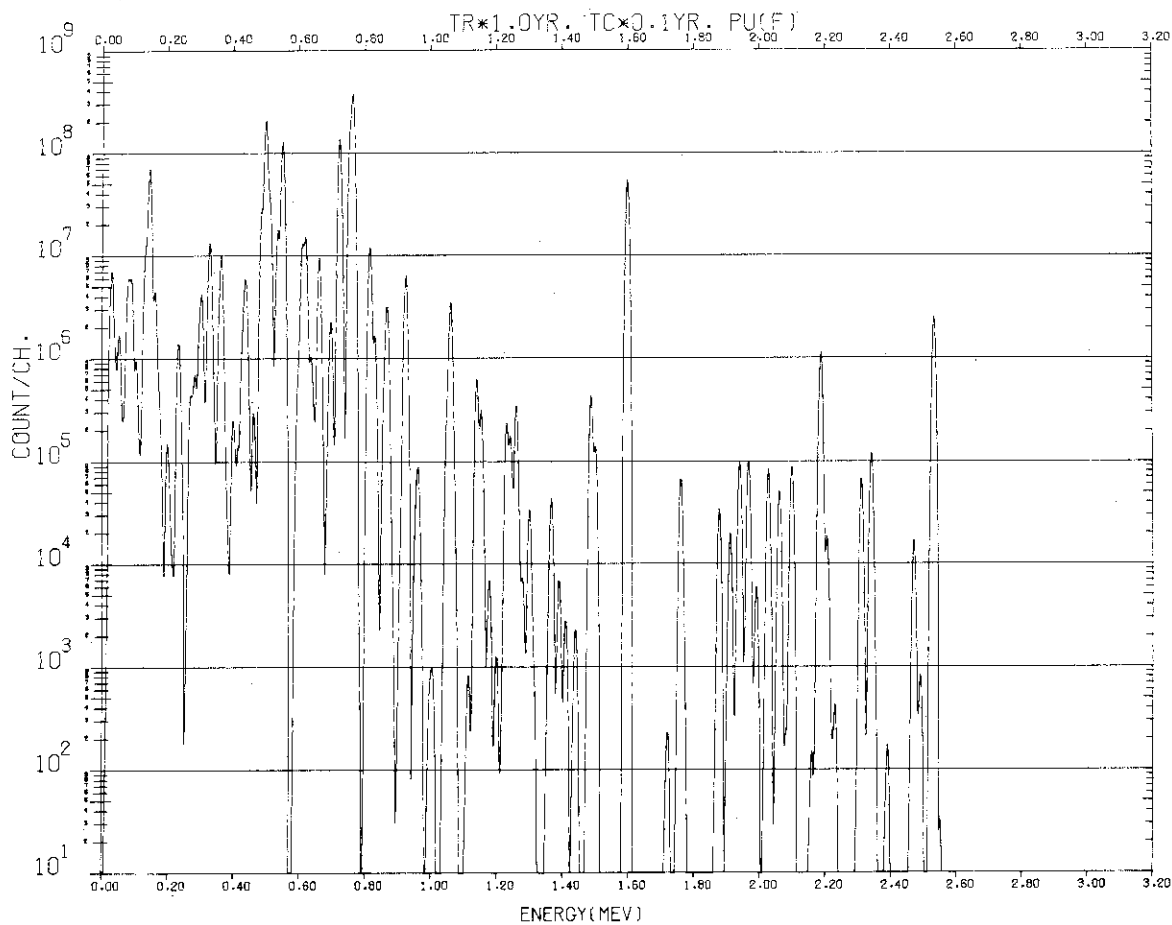


Fig.3.57. γ spectrum of FP for the fast neutron fission of ^{239}Pu .
— irradiation time : 1 year. cooling time : 0.1 year.

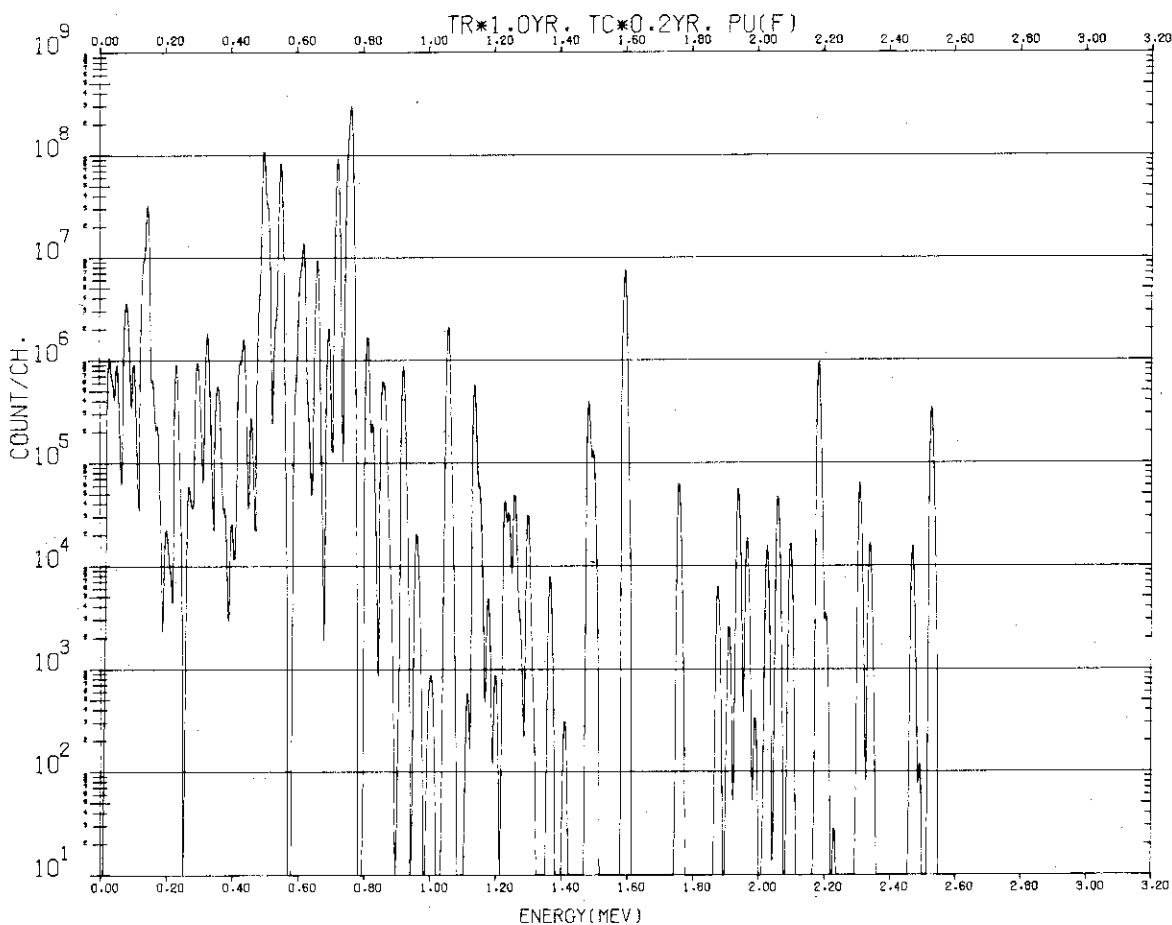


Fig.3.58. γ spectrum of FP for the fast neutron fission of ^{239}Pu .
— irradiation time : 1 year. cooling time : 0.2 year.

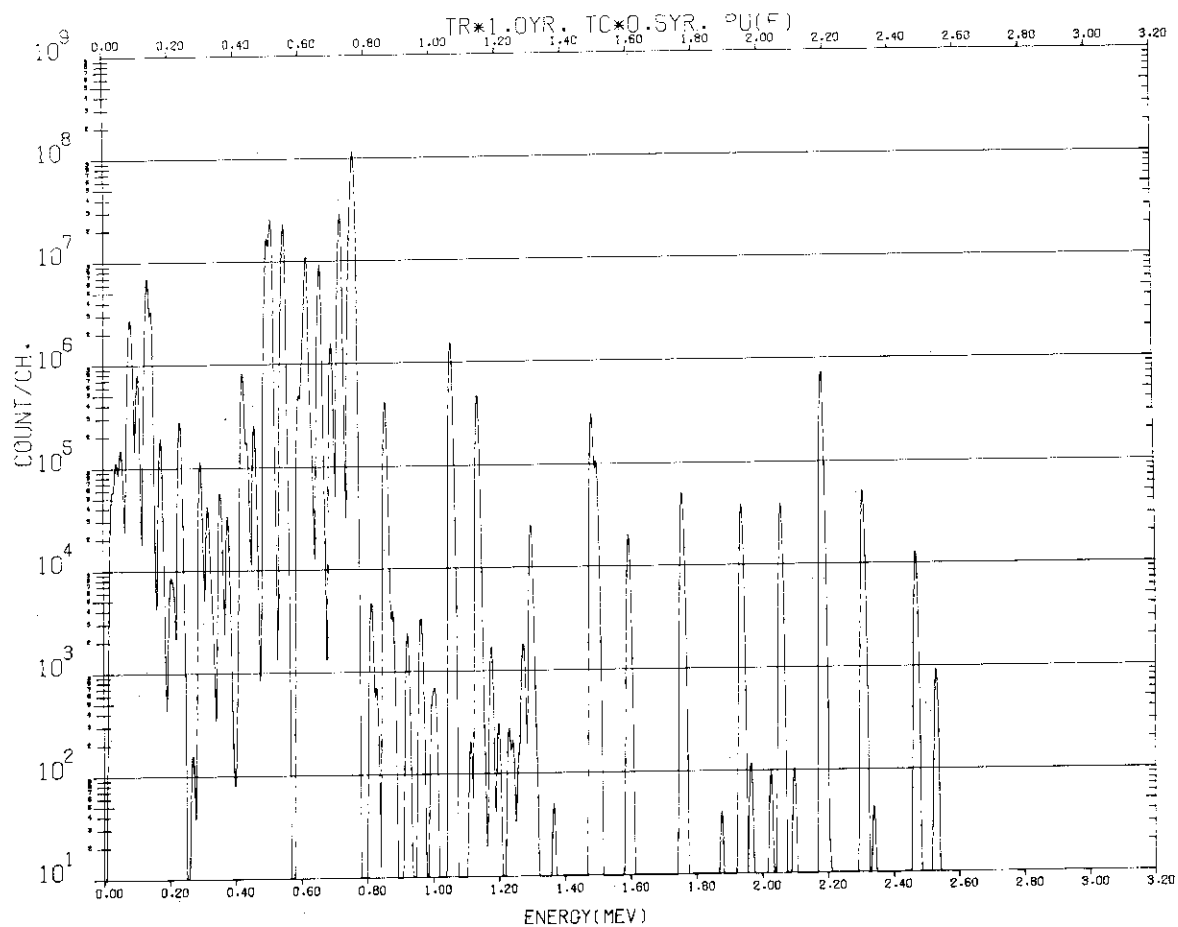


Fig.3.59. γ spectrum of FP for the fast neutron fission of ^{239}Pu .
— irradiation time : 1 year. cooling time : 0.5 year.

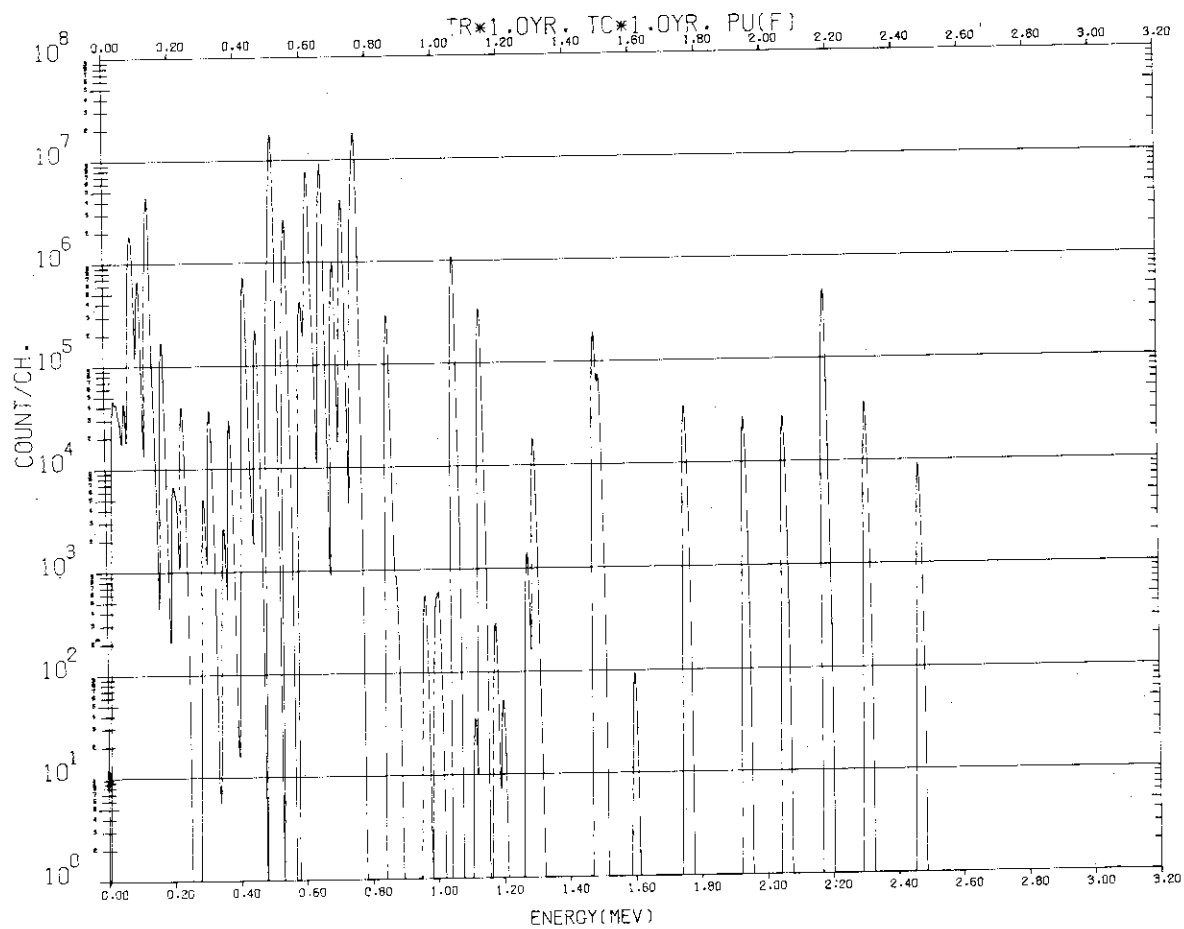


Fig.3.60. γ spectrum of FP for the fast neutron fission of ^{239}Pu .
— irradiation time : 1 year. cooling time : 1 year.

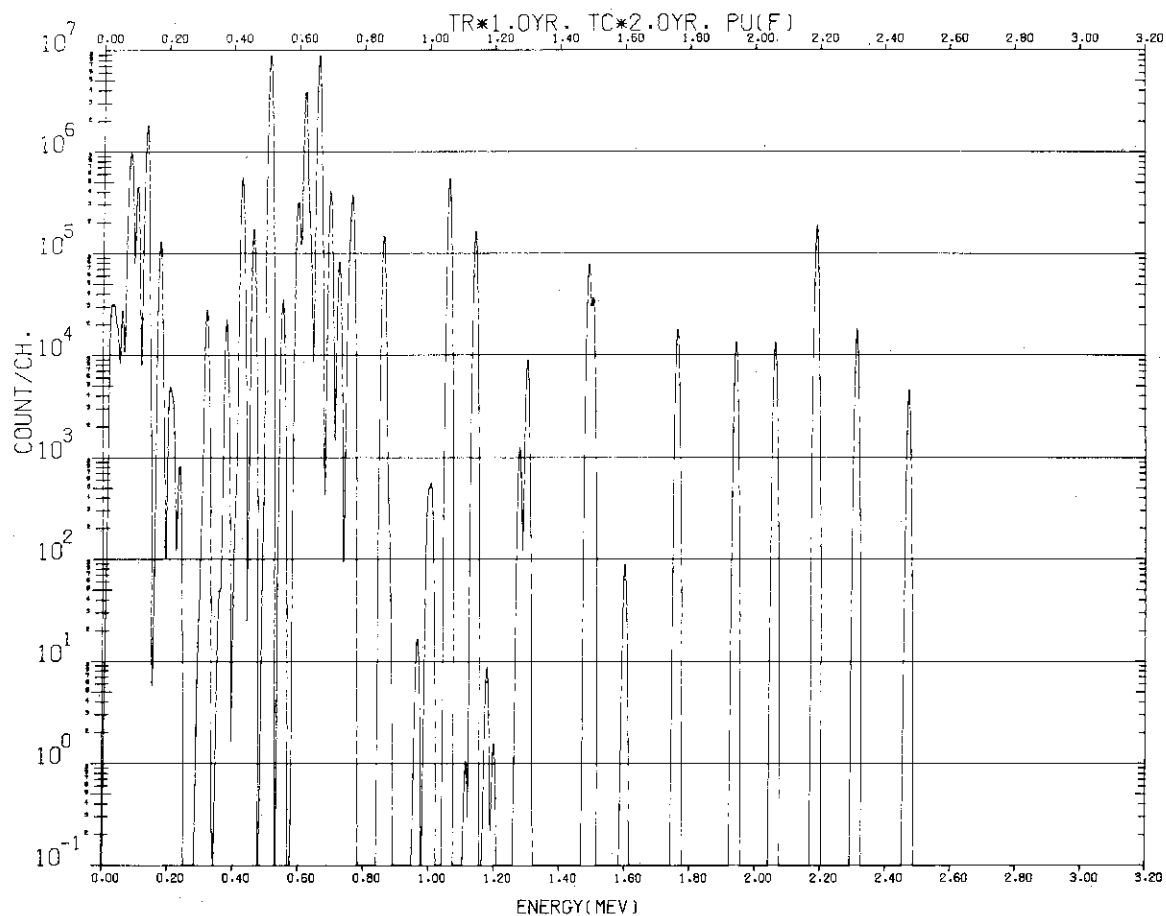


Fig.3.61. γ spectrum of FP for the fast neutron fission of ^{239}Pu .
— irradiation time : 1 year. cooling time : 2 year.

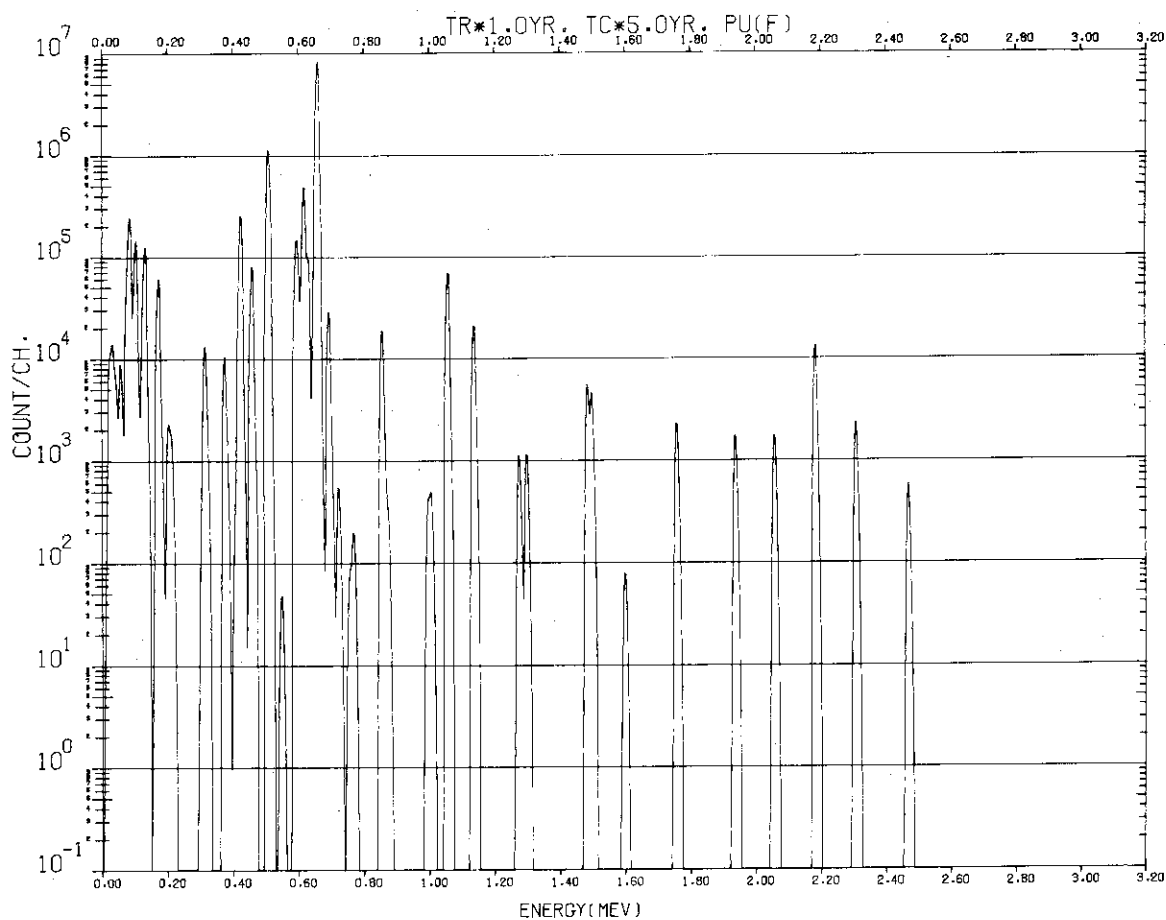


Fig.3.62. γ spectrum of FP for the fast neutron fission of ^{239}Pu .
— irradiation time : 1 year. cooling time : 5 year.

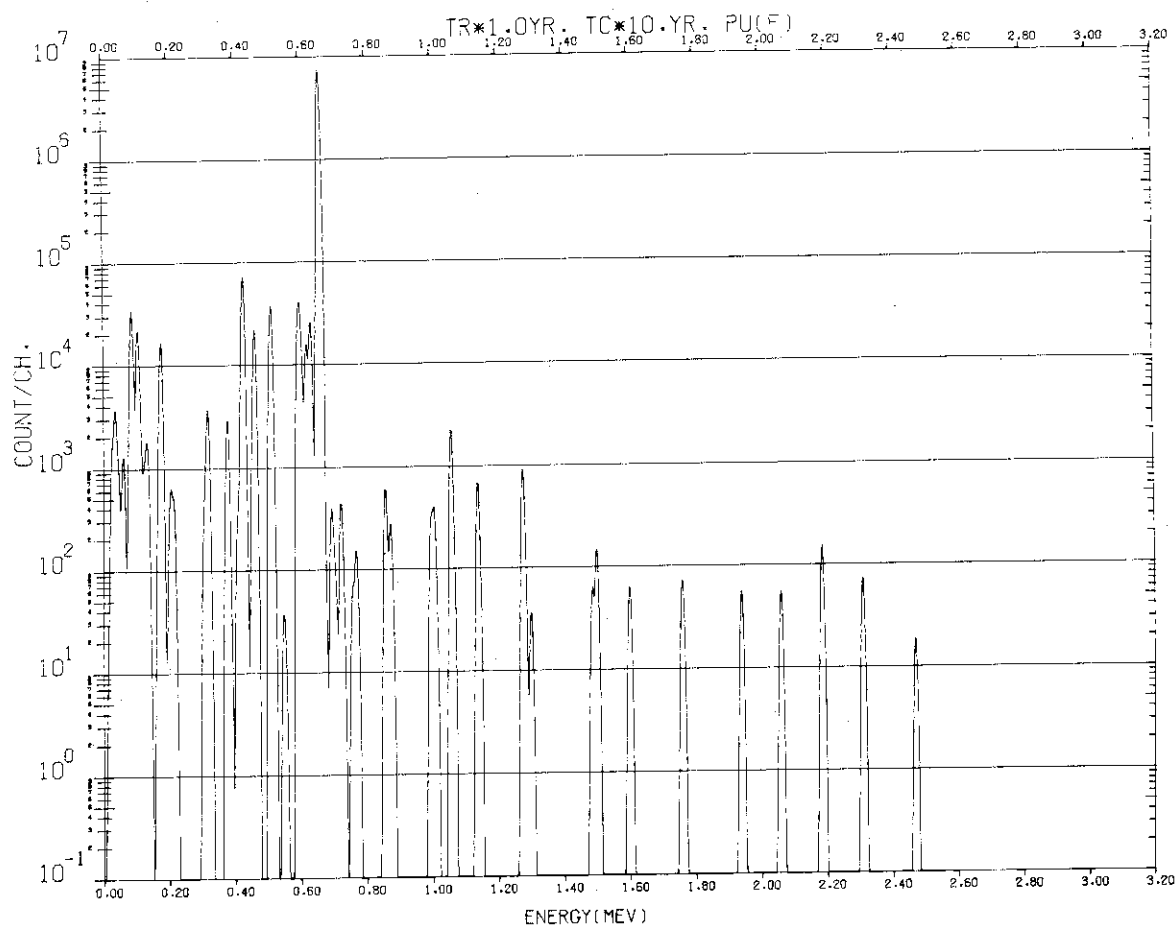


Fig.3.63. γ spectrum of FP for the fast neutron fission of ^{239}Pu
 — irradiation time : 1 year. cooling time : 10 year.

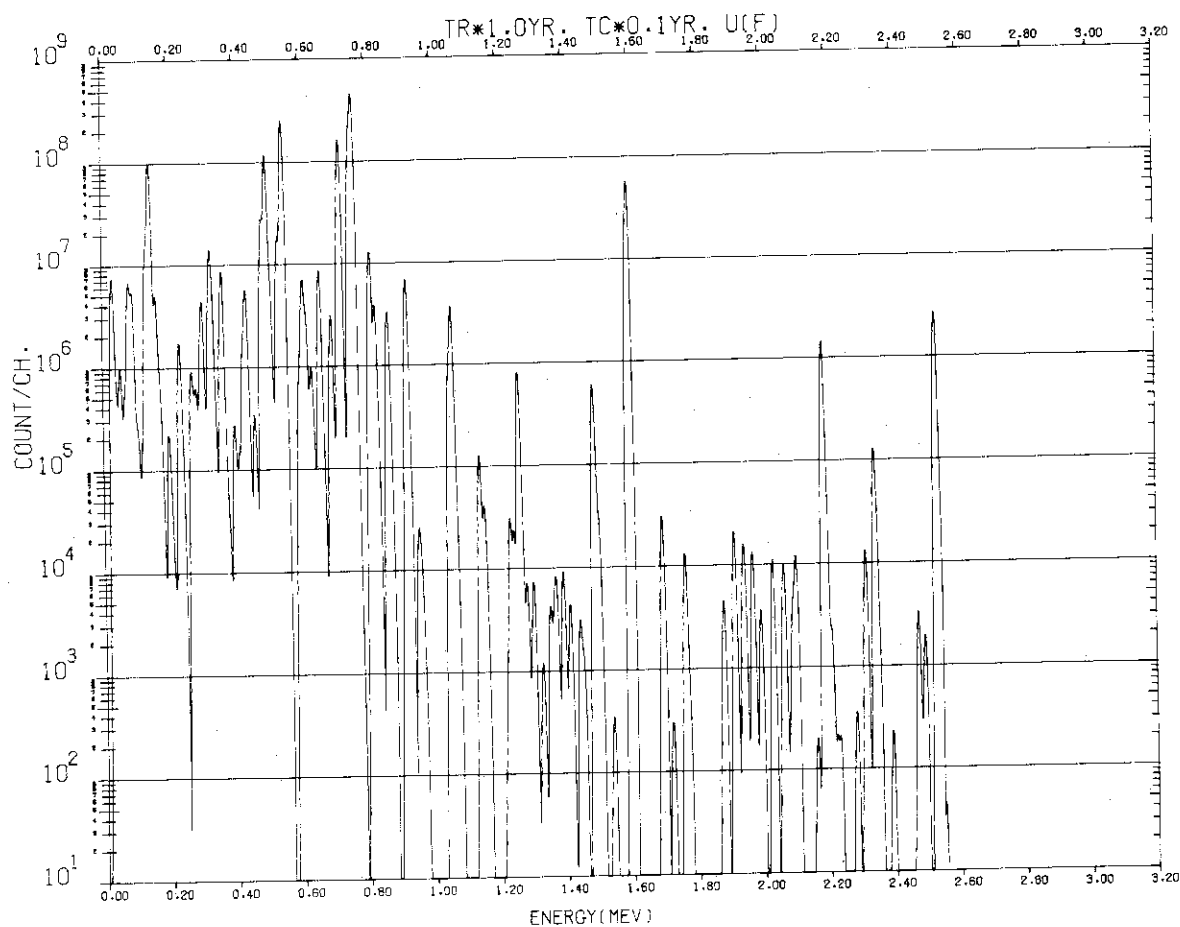


Fig.3.64. γ spectrum of FP for the fast neutron fission of ^{235}U .
 — irradiation time : 1 year. cooling time : 0.1 year.

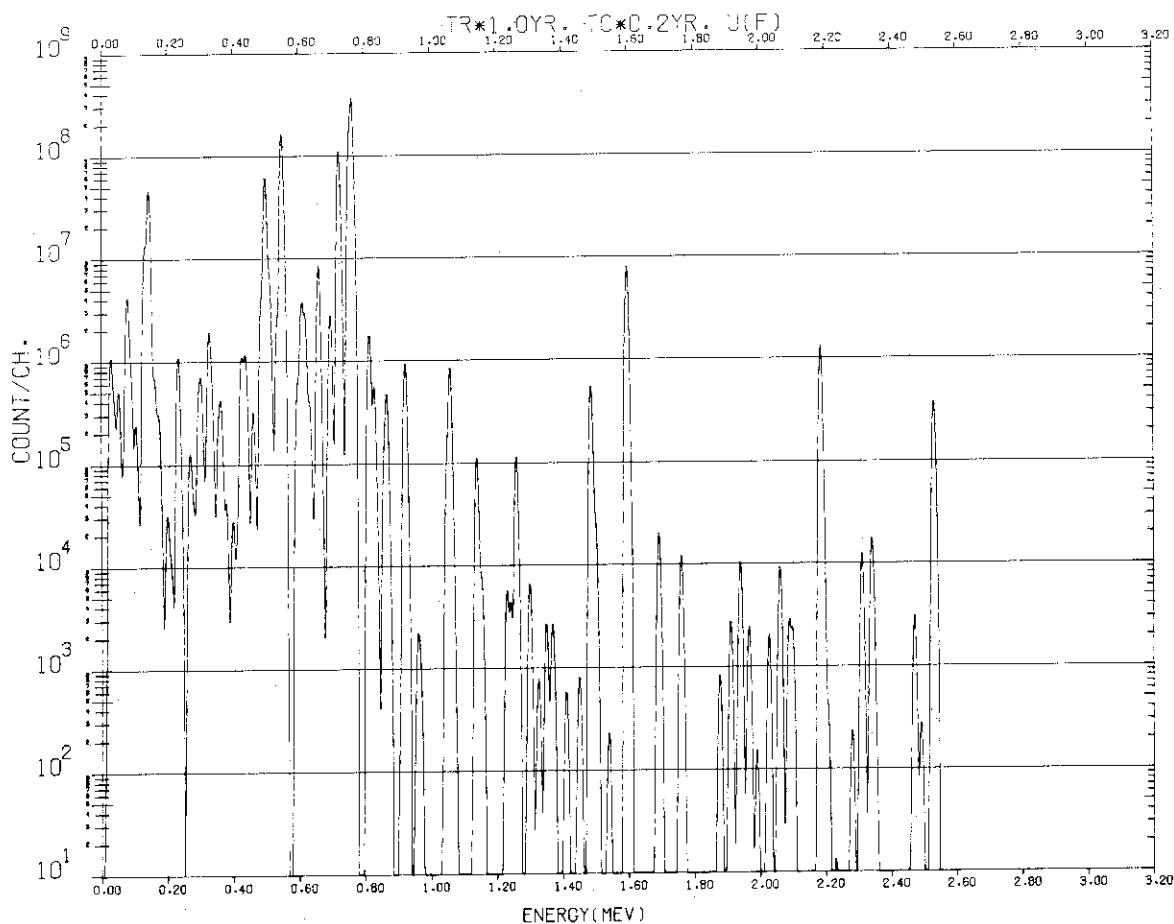


Fig.3.65. γ spectrum of FP for the fast neutron fission of ^{235}U .
 — irradiation time : 1 year. cooling time : 0.2 year.

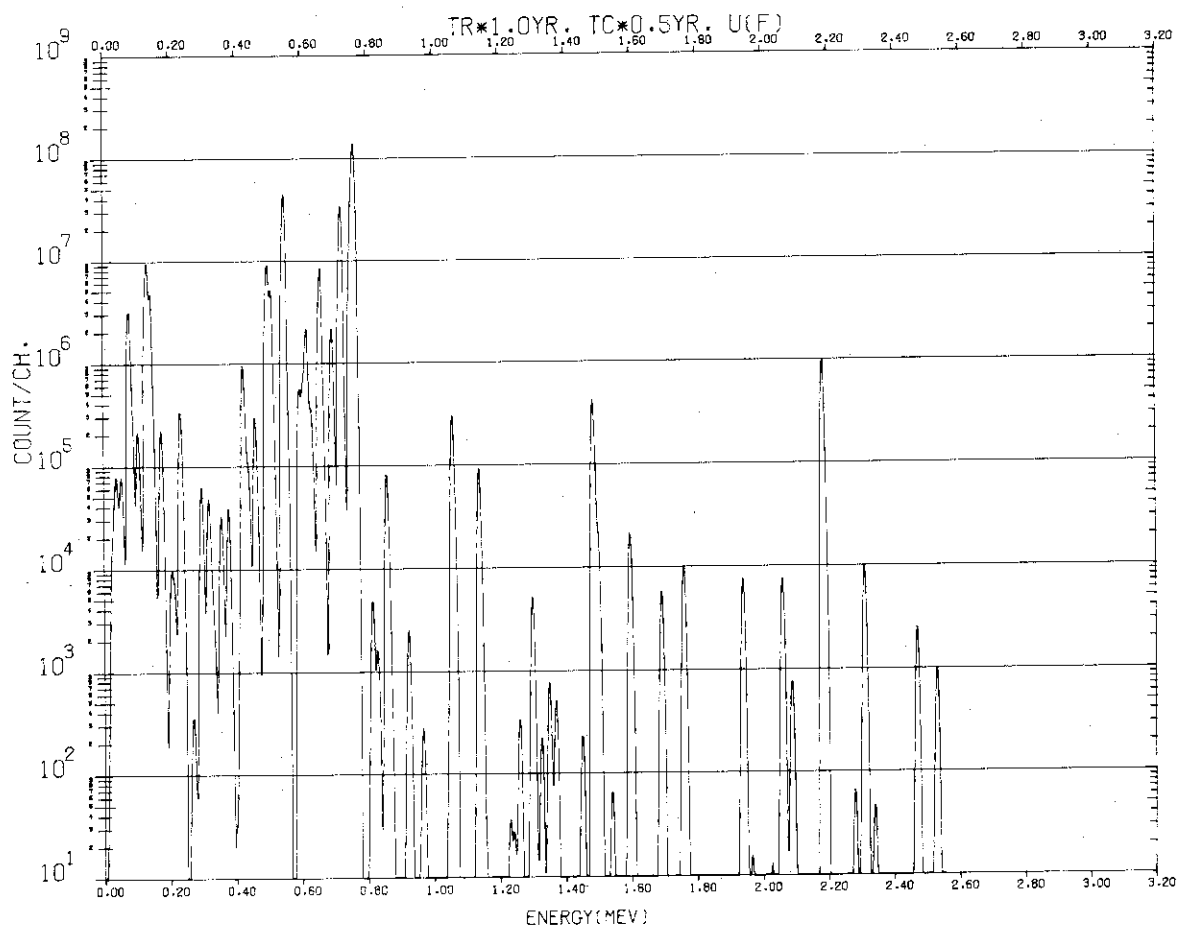


Fig.3.66. γ spectrum of FP for the fast neutron fission of ^{235}U .
 — irradiation time : 1 year. cooling time : 0.5 year.

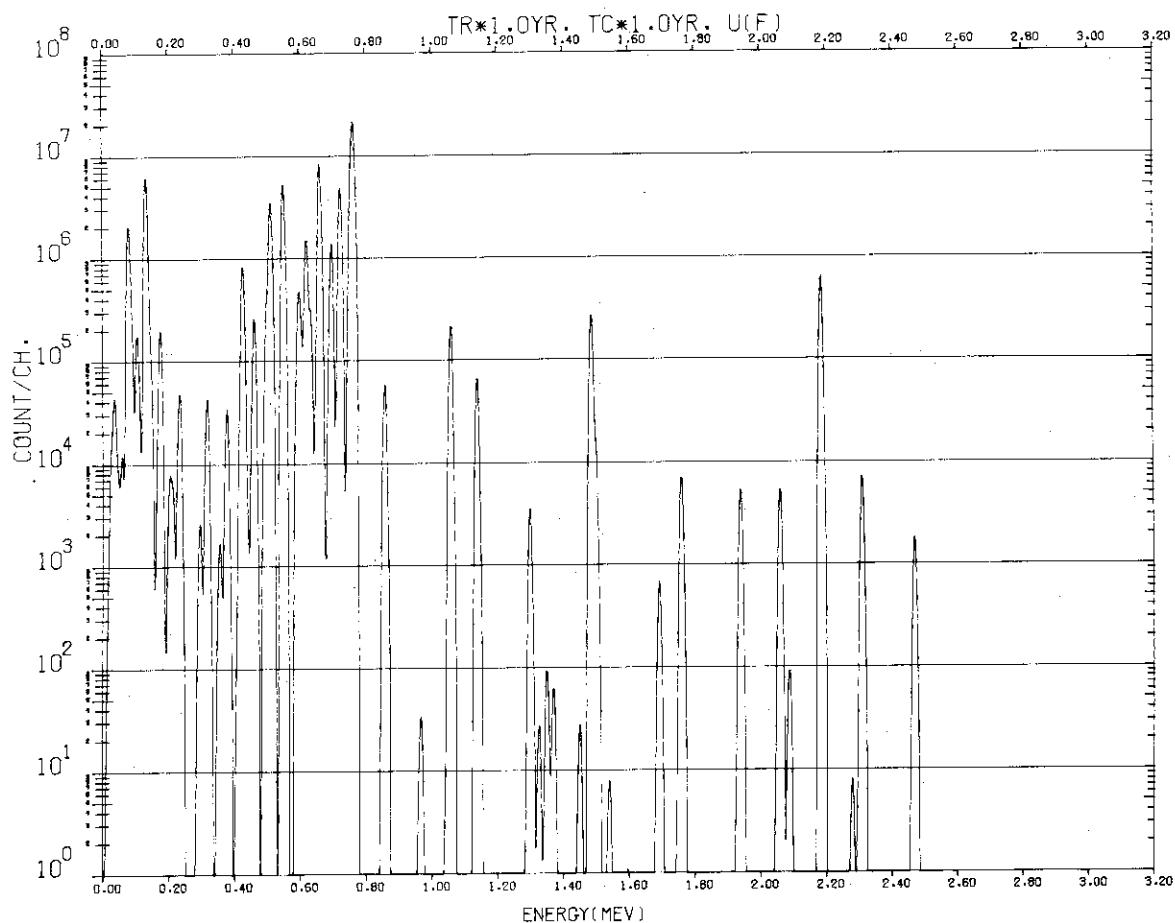


Fig.3.67. γ spectrum of FP for the fast neutron fission of ^{235}U .
— irradiation time : 1 year. cooling time : 1 year.

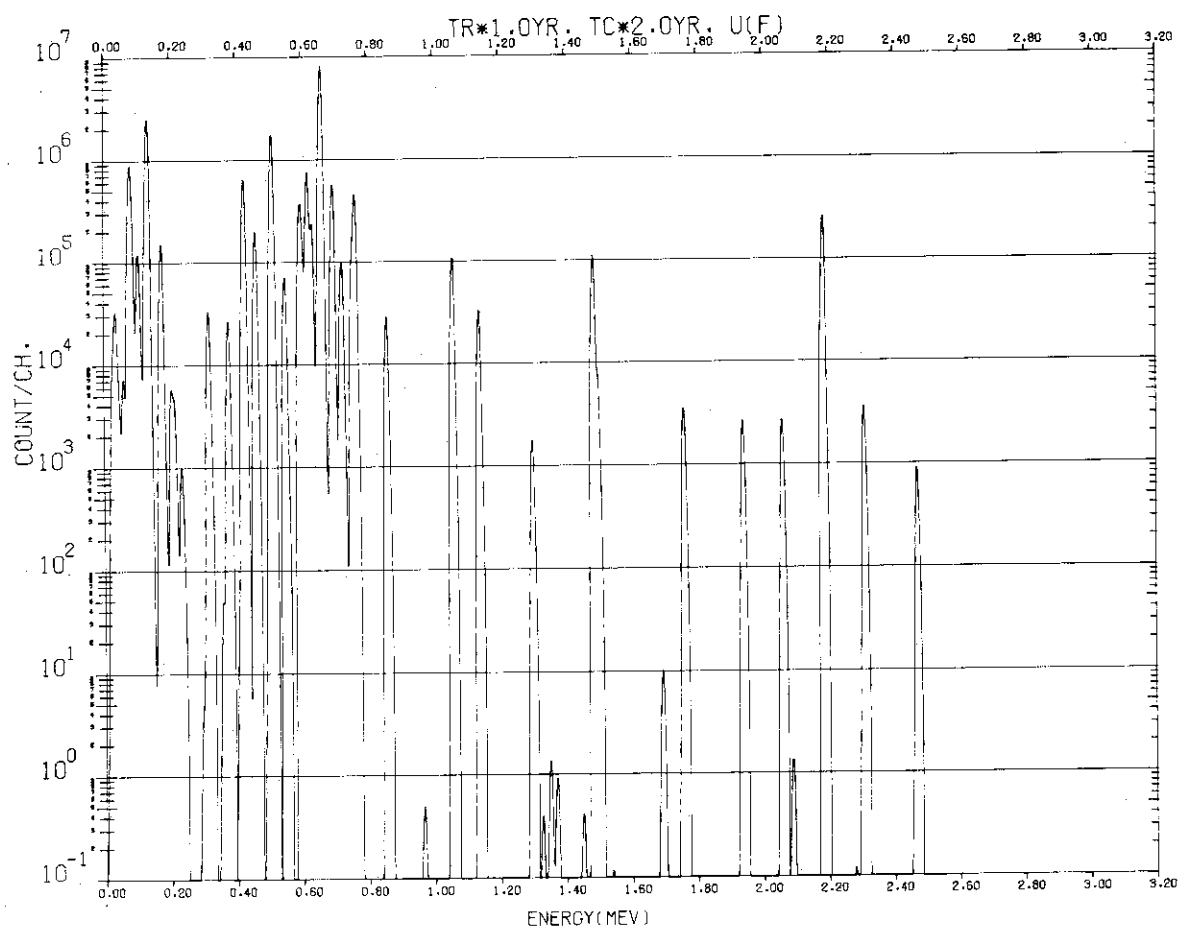


Fig.3.68. γ spectrum of FP for the fast neutron fission of ^{235}U .
— irradiation time : 1 year. cooling time : 2 year.

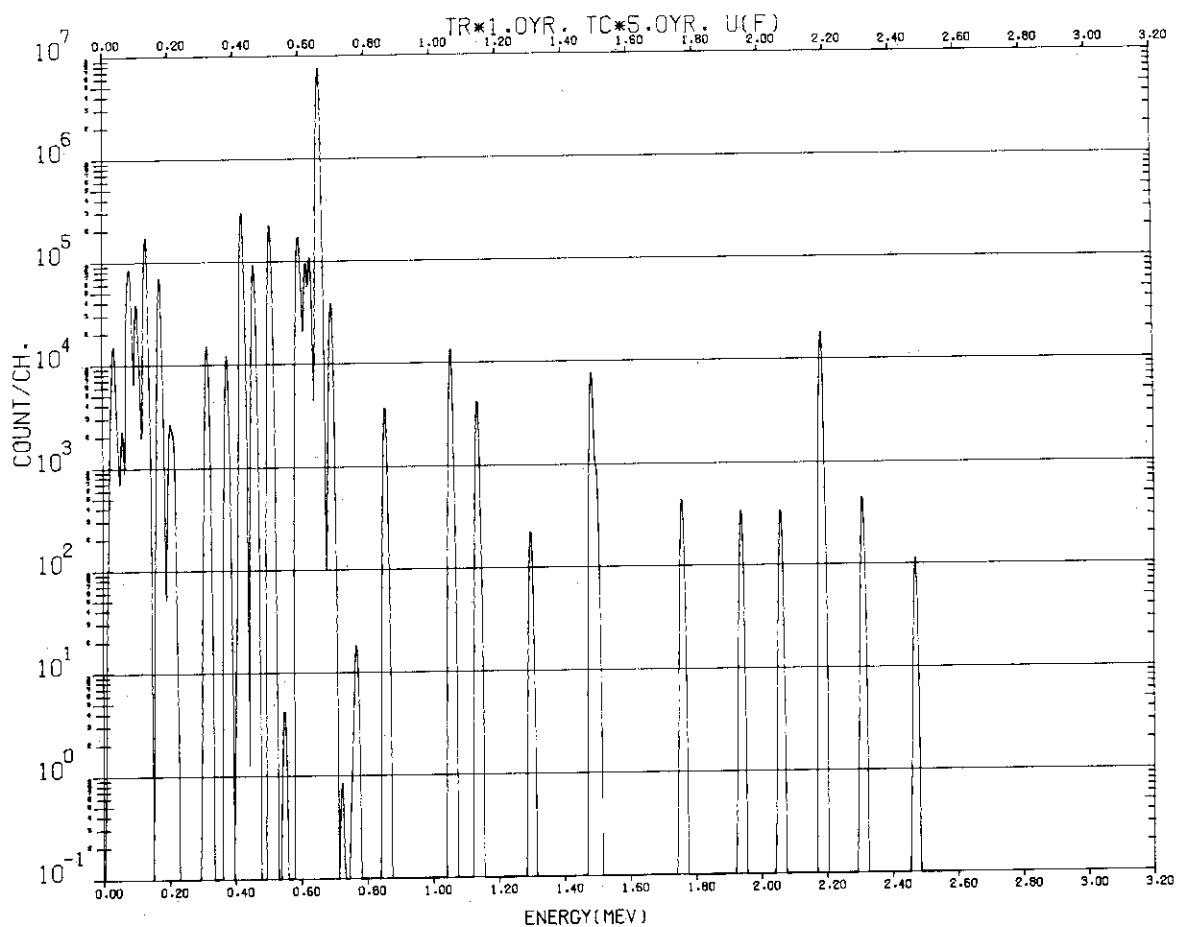


Fig.3.69. γ spectrum of FP for the fast neutron fission of ^{235}U .
 — irradiation time : 1 year. cooling time : 5 year.

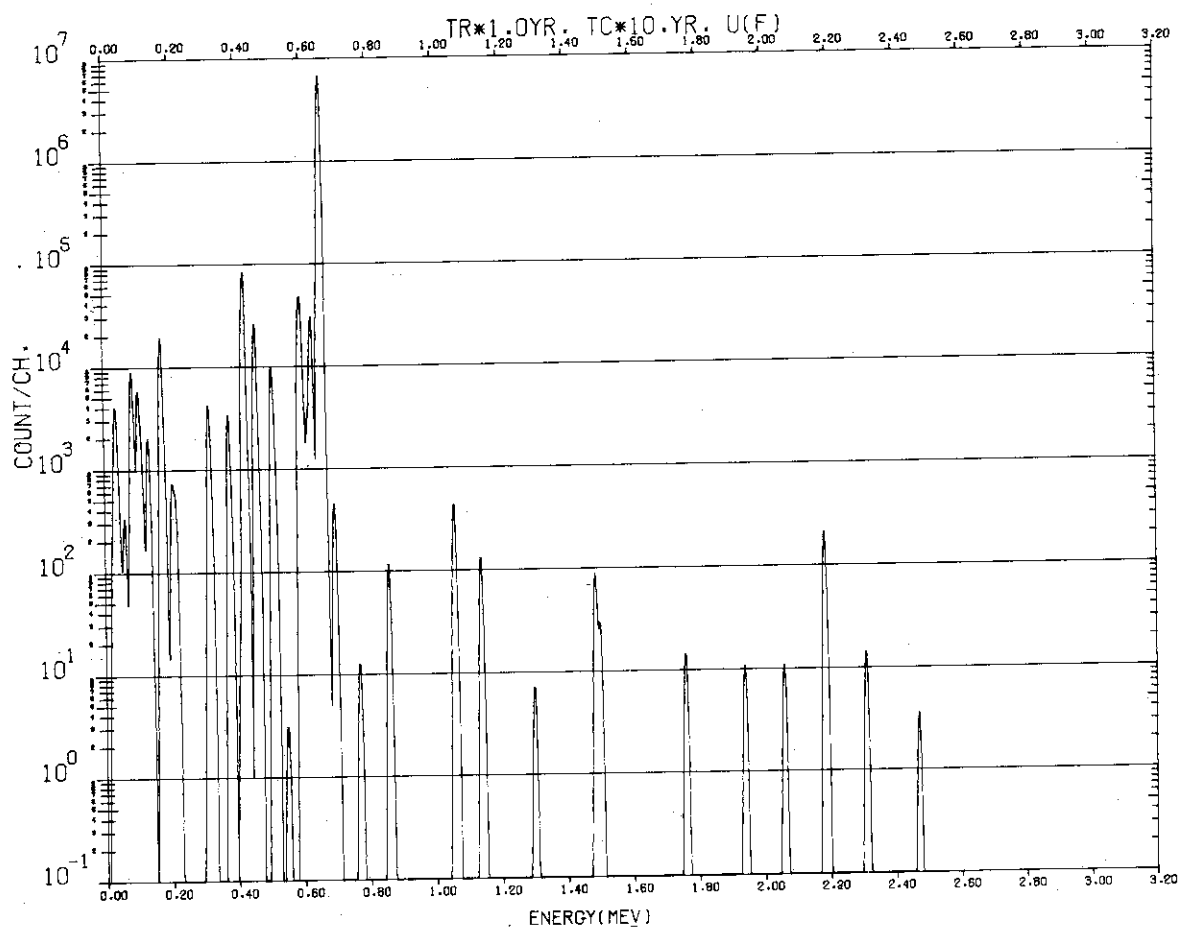


Fig.3.70. γ spectrum of FP for the fast neutron fission of ^{235}U .
 — irradiation time : 1 year. cooling time : 10 year.