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BIBLIOGRAPHIC INDEX
TO PHOTONUCLEAR REACTION DATA (1955-1992)

October 1993

Tetsuo ASAMI* and Tsuneo NAKAGAWA

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Bibliographic Index to Photonuclear Reaction Data (1955-1992)

Tetsuo ASAMI* and Tsuneo NAKAGAWA

Department of Reactor Engineering
Tokai Research Establishment
Japan Atomic Energy Research Institute
Tokai-mura, Naka-gun, Ibaraki-ken

(Received September 7, 1993)

This report contains the bibliographic index data on photonuclear reactions and on their inverse ones, in the format similar to CINDA for neutron nuclear data. As photonuclear reactions the electron-induced reaction data are also included. As the inverse reactions considered are those induced by neutron, proton, deuteron, triton, helion and alpha particles. The index covers major journals on nuclear data published in 1955 to 1992, for all nuclides through hydrogen (H) to einsteinium (Es). The bibliographic index contains information on target nucleus, incident beam, type of reaction and quantity, energy range of incident beam, laboratory, type of work, reference citations, first author's name, and short comment. The index also contains the indication for information on cross-section data. All the index data are listed in the order of target element, target, mass and incident particle, and in the chronological order of reference data. Also a brief description is given on the data format, the abbreviations used and the journals surveyed.

Keywords: Nuclear Data, Photonuclear Reaction, Inverse Reaction,
Bibliographic Index

* Data Engineering, Inc.

JAERI-M 93-195

光核反応データ文献索引集 (1955 ~ 1992)

日本原子力研究所東海研究所原子炉工学部

浅見 哲夫*・中川 庸雄

(1993年9月7日受理)

この光核反応データに関する文献索引集は、光核反応ならびにその逆反応に関する文献情報の索引を中性子核データの文献索引集 CINDA と似た形式でまとめたものである。光核反応としては、電子線入射の反応も扱ってある。逆反応としては、中性子、陽子、重陽子、トリトン、ヘリオン、アルファ粒子の入射に関する核データを考慮した。1955年から1992年までの核データに関する主要な学術雑誌に発表された文献を対象にして、水素(H)からアインスタイニウム(Es)までの上記核反応に関する文献情報を収集した。文献索引データには、標的核、入射粒子、反応の種類、入射粒子のエネルギー範囲、文献名および文献番号、発行年、筆頭著者名、コメント、断面積データに関する情報の有無等が含まれている。これら索引データが、標的元素・標的核の質量および入射粒子の順に、また文献の年代順にリストにしてある。また、これら索引データの形式ならびにこの索引集に用いられた用語等の簡単な解説を述べてある。

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1. INTRODUCTION

Japanese Nuclear Data Committee (JNDC) has a plan to compile the evaluated data library for photon-induced nuclear reaction cross sections, and the work on the data evaluation is in progress at the present. In the evaluations for these data a bibliographic index similar to CINDA¹⁾ for neutron nuclear data is required.

As the bibliographic index to photonuclear reactions, several excellent compilations have been done at some research institutes in the world, and have contributed to various basic and applied researches on the photonuclear reactions. For example, there are the abstract sheets published by U.S. National Bureau of Standards²⁾ and the data index published regularly in Russia³⁾. On the other hand, the four-center network on nuclear data (U.S. National Nuclear Data Center at Brookhaven, Russian Nuclear Data Center at Obninsk, NEA Data Bank at Paris and IAEA Nuclear Data Section at Vienna) compiles and exchanges the numerical data on photonuclear reactions as well as on neutron-induced ones, in the EXFOR format. Those numerical data are available for users. There is, however, no bibliographic index to photonuclear reactions, available for general users. Therefore, the present work to make a photonuclear reaction data index has been done urgently to contribute to the above-mentioned data evaluation. Although these data might be still incomplete and have some defects, we have decided to serve this as the first edition of our photonuclear reaction index.

2. OUTLINE OF THE INDEX

The present index contains the information on bibliographic references to the photonuclear reactions and their inverse ones. As the photonuclear data the electron-induced reactions are also included. As the inverse reactions the nuclear data induced by neutron, proton, deuteron, triton, helion and alpha are considered.

The present survey of bibliographic documentation had to be limited to major journals related closely to photon-induced reactions, because of an urgent program. Therefore, reports from research institutes, proceedings of conferences and so on were not surveyed except a few cases. The choice of the journals was made based on a quick survey on the trend of publications in a few years. The journals covered in the present work are shown in Table 1 together with their abbreviations.

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These journals have been surveyed for issues published between 1955 and 1992. The bibliographic reference data collected were stored in a computer-readable format like CINDA for neutron nuclear data. So far, about 9,000 lines of the Index data for hydrogen to einsteinium have been stored.

3. FORMAT OF THE INDEX DATA

Each line in the index list corresponds to one bibliographic reference data for a single nuclide. One index line does not always correspond to one document. It contains the information for ELEMENT, QUANTITY, ENERGY, LAB, TYPE, DOCUMENTATION, COMMENTS, and DATA flag.

In the ELEMENT section, the target element or nuclide is given with the atomic number (Z) and the symbol (S) of element and the mass number (A) of nuclide. A = 000 means natural element. The character "M" after the mass number means isomeric state. "MANY" at this section indicates that data on many nuclides are contained in the same document.

examples:

<u>Code</u>	<u>Description</u>
026 FE 000	Fe-natural
026 FE 056	⁵⁶ Fe
095 AM 242M	^{242m} Am
MANY	many nuclides

The QUANTITY section consists of two separate parts which represent the reaction type and the data type. The reaction type is a combination of incident particle, and outgoing ones or reaction name. Table 2 shows the incident particles and its abbreviations used in the Index. Table 3 shows the outgoing particles or the reaction names, and their abbreviations. The data type is indicated by two characters shown in Table 4. In the case where the quantities with different types have been given in one document, every index data on the different quantities ought to be stored separately. In many cases, however, the data entry was made only for the principal data with single type of reaction.

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examples:

<u>Code</u>	<u>Description</u>
(G,X) CS	$\sigma(\gamma, x)$
(G,X) AD	$d\sigma(\gamma, x)/d\Omega$
(G,X) ED	$d\sigma(\gamma, x)/dE$
(G,X) DD	$d^2\sigma(\gamma, x)/d\Omega dE$
(G,X) YD	yields of X in the (γ, X) reaction
(G, DISINTEGR.) CS	cross section for photo disintegration
(E, ELASTIC) AD	$d\sigma(e, e)/d\Omega$
(E, INELASTIC) ED	$d\sigma(e, e')/dE$

In the ENERGY section the energy range, namely the minimum and maximum energies of the incident particle are given in the unit of eV. In the energy code the first two figures show the numerical factor and the exponents followed express the power of 10. When the work was made at a single energy point only the minimum energy is given. On the other hand, when an upper limit of the energy range is found in the literature only the maximum energy is given. If the energy is not given in the document, "NDG" is indicated in this section. For continuous spectrum of neutrons, MAXWL (Maxwellian spectrum), PILE (reactor spectrum) and FAST (fast reactor spectrum) are often used.

examples:

<u>Code</u>	<u>Description</u>
3.0+ 8 9.0+ 8	energy range from 3.0×10^8 to 9.0×10^8 eV
5.5- 2	single energy of 5.5×10^{-2} eV
5.6+ 7	below 5.6×10^7 eV
NDG	no data given

The LAB section shows the laboratory or institute where the work was done or the home laboratory of the first author. Except for famous institutes, however, the name of the first author's country code was adopted in many cases. The abbreviations for laboratory, institute and country are taken from the codes used in CINDA. The LAB codes used are shown in Table 5.

The TYPE section denotes the type of work. These codes are shown in Table 6.

The section of DOCUMENTATION shows the bibliographic reference in the ordinary form, namely document name, volume number, first page of article, and publication year. The abbreviations for the journals are shown in Table 1.

In the COMMENTS section, first author's name and short comment are given. If the authors are two or more than 2, the first author's name is followed by "+". As the short comment, supplementary information to QUANTITY is given to help users without consulting the original document. Concerning cross-section data, the type of data presented in the document was sometimes given such as VALUE(numerical data), TBL(table), PLT(plot) and CRV(curve).

A cross mark (+) in the DATA column indicates that there are some numerical data in the document on the reaction cross section including the angular and energy distributions, even if they are given in plotted form.

The index data are listed in the order of the atomic number, the mass number, the incident particles, the reaction type, and the publication year of document. The order of the incident particles is as follows:

gamma(photon) (G), electron (E), neutron (N), proton (P), deuteron (D), triton (T), helion(^3He) (H), and alpha particle(A)

Acknowledgement

The authors wish to thank the member of the working group on Photonuclear Data in JNDC for their useful advice in the course of the present work. Further one of the authors (T.A.) would like to acknowledge the Nuclear Data Center of JAERI for the financial support.

The section of DOCUMENTATION shows the bibliographic reference in the ordinary form, namely document name, volume number, first page of article, and publication year. The abbreviations for the journals are shown in Table 1.

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References

- 1) The Computer Index of Neutron Data, published by International Atomic Energy Agency, Vienna.
- 2) Fuller, E.D. and Gerstenberg, H.: "Photonuclear Data ---- Abstract Sheets, Vol.I - XV", NBSIR 83-2742 (1983).
- 3) Varlamov, V.V. et al.: "Photonuclear Data" series, the Center for Photonuclear Experiments, published regularly.

Table 1 Journals surveyed and their abbreviations

journals	abbreviation
Australian Journal of Physics*	AUJ
Canadian Journal of Physics	CJP
Izv. Akad. Nauk Russ., Ser. Fiz.**	IZV
Journal of Physics G*	JP/G
Nuclear Instruments and Methods in Physics Research	NIM
Nuclear Physics	NP
Nuclear Physics A	NP/A
Nuclear Science and Engineering	NSE
Physical Review	PR
Physical Review C	PR/C
Physical Review Letters*	PRL
Physics Letters B*	PL/B
Soviet Atomic Energy*	SJA
Soviet Journal of Nuclear Physics	SNP
Soviet Physics JETP*	JET
Soviet Physics JETP Letters**	JEL
Vopr. At. Nauki i Tekhn. Ser. Fiz. Vys. En. I At. Jadra**	VAT/F
Yadeenaja Fizika**	YF
Zeitschrift fuer Physik	ZP
Zeitschrift fuer Physik A	ZP/A

* surveyed partly

** surveyed exceptionally

Table 2 Incident particle codes (in the order of listing)

code	incident particle
G	gamma or photon
E	electron
N	neutron
P	proton
D	deuteron
T	triton
H	^3He (helion)
A	alpha particle

Table 3 Codes for Outgoing particles and reaction names

code	particle/reaction
A	alpha particle
D	deuteron
E	electron
G	gamma or photon
HE-3	^3He (helion)
KAON 0	neutral kaon
KAON +	positive charged kaon
KAON -	negative charged kaon
MESON	meson
PION 0	neutral pion
PION +	positive charged pion
PION -	negative charged pion
T	triton
EA	electron + alpha particle
EF	fission after electron emission
EN	electron + neutron
EP	electron + proton
NA	neutron + alpha particle
NP	neutron + proton
PA	proton + alpha particle
PD	proton + deuteron
PN	proton + neutron
X	some products or multiplicity (if placed after or before the symbol of the outgoing particles)
2 - 9	multiplicity of the outgoing particle whose symbol is placed right after the figure.
ABSORPTION	absorption
A EMISSION	alpha particle emission
F	fission
DISINTEGR.	disintegration
ELASTIC	elastic scattering
G EMISSION	photon emission
INELASTIC	inelastic scattering
MISCELLAN.	miscellaneous phenomena
N EMISSION	neutron emission
P EMISSION	proton emission
SCATTERING	scattering
TOTAL	total

Table 4 Data type codes

code	data type
AD	angular distribution
CS	cross section
DD	double differential cross section
ED	energy distribution
RI	resonance integral
YD	yield
XX	miscellaneous

Table 5 LAB Codes

code	laboratory
AIN	A.I.N.S.E., Lucas Heights, Australia
ALA	University of Alberta, Canada
ALB	State University of New York, USA
ALG	Algeria
AML	University of Melbourne, Australia
ANL	Argonne National Laboratory, USA
ARG	Argentina
ATH	NRC Demokritos, Austria
AUA	AAEC Research Establishment, Australia
AUI	University of Illinois, USA
AUL	Australia
AUS	Austria
AUW	Lab. for Nucl. Research, Andhra University, India
BAN	Bangla Desh
BAR	Bartol Research Foundation, USA
BER	Halm-Meitner Institute, Germany
BEL	Bell Telephone Laboratory, USA
BIR	University of Birmingham, UK
BLG	Belgium
BLV	Bolivia
BNL	Brookhaven National Laboratory, USA
BOL	ENEA Centro Ricerche Energia di Bologna, Italy
BON	University of Bonn, Germany
BUL	Bulgaria
BUR	Burma
BZL	Brazil
CAL	California Institute of Technology, USA
CAN	Canada
CAR	Carnegie University, USA
CAV	Cavendish Laboratory, UK
CBR	Australian National University, Canberra, Australia
CCP	Union of Soviet Social Republics, Russia
CHF	Taiwan
CHL	Chile
CJD	Centr Po Jadernym Dannym, Obninsk, Russia
CLA	University of California, USA
CLU	Colorado University, USA
COL	Columbia University, USA
COR	Cornell University, USA
COS	Costa Rica
CPR	People's Republic of China
CRC	A.E.C.L. Chalk River, Canada
CRL	Carleton University, Canada
CSM	Colorado School of Mines, USA

Table 5 (continued)

code	laboratory
CSN	Centre de Spectrometrie Nucleaire et de Spectrometrie, France
CSR	Czechoslovakia
CUA	Catholic University of America, Washington, USA
CUB	Cuba
DEB	Atomki, Debrecen, Hungary
DDR	German Democratic Republic
DEL	Technical University, Delft, Netherlands
DEN	Denmark
DHA	University of Petroleum and Minerals, Saudi Arabia
DKE	Duke University, USA
DUB	Joint Institute for Nuclear Research, Dubna, Russia
EDG	University of Edinburgh, Scotland, UK
EGY	Egypt
FEI	Fiziko-Energeticheskij Institut, Obninsk, Russia
FIN	Finland(=SF)
FR	France
FRA	Laboratori Nazionali di Frascati, Italy
FUD	Fudan University, Shanghai, China
GEL	B.C.M.N. Geel, CEC
GER	Germany of Federal Republic
GHT	Rijksuniversiteit, Ghent, Belgium
GLS	University of Glasgow, Scotland, UK
GRN	Groningen
GVA	Guatemala
GWU	George Washington University, USA
HAR	AERE, Harwell, UK
HIR	University of Hiroshima, Japan
HKE	Hong-Kong
HLS	University of Helsinki, Finland
HRV	Harvard University, USA
HUN	Hungary
IDF	Inst. de Fisica, Brazil
IJI	Inst. Jadernykh Issledov., Kiev, Russia
IKO	National Institute for Nucl. and High Energy Physics, Sect.K, Netherlands
ILL	Institut Laue-Langevin, Grenoble, France
IND	India
INL	Idaho Nuclear Engineering Lab., USA
INS	Indonesia
INU	Indiana University, USA
IOW	Iowa State University, USA
IRN	Iran
IRQ	Iraq
ISL	Israel

Table 5 (continued)

code	laboratory
ITK	Ind. Institute of Technology, India
ITY	Italy
JAE	Japan Atomic Energy Research Institute, Tokai, Japan
JAM	Jamaica
JLU	Justus Liebig-Univ., Giessen, Germany
JUL	Kernforschungsanlage, Juelich, Germany
JOR	Jordan
JPN	Japan
KDR	North Korea
KFK	Kernforschungszentrum, Karlsruhe, Germany
KFT	Kharkovskij Fiziko-Tekhnicheskij Inst., Kharkov, Russia
KLN	Universitaet Koeln, Germany
KOR	South Korea
KQU	Queen's University, Kingston, Canada
KUW	Kuwait
KYA	Kenya
LAS	Los Alamos Scientific Laboratory, USA
LEB	Fiz. Inst. Lebedev, Moscow, Russia
LIN	Leningrad Inst. Nucl. Phys., Russia
LLL	(= LRL)
LND	Lund University, Sweden
LRL	Lawrence Livermore Laboratory, USA
LSU	Louisiana State University, USA
LVN	University of Louvain, Belgium
MAL	Malaysia
MCM	McMaster University, Ontario, Canada
MEX	Mexico
MIL	University of Milan, Italy
MIN	University of Minnesota, USA
MIT	Massachusetts Institute of Technology, USA
MNZ	University of Mainz, Germany
MOL	CEN, Belgium
MON	University of Montreal, Canada
MOS	Moscow State University, Russia
MPH	Max-Planck-Institute fuer Kernphysik, Germany
MRC	National Research Council, Montreal Lab., Canada
MRY	Maryland University, USA
MST	University of Muenster, Germany
MSU	Michigan State University, USA
MTS	Middle Tennessee State University, USA
MUN	Technische Universitaet Muenchen, Germany
NBS	National Bureau of Standards, Washington, USA
NDS	Nuclear Data Section, Vienna, IAEA
NED	Netherlands

Table 5 (continued)

code	laboratory
NJS	Inst. Jozef Stefan, Yugoslavia
NOR	Norway
NPC	National Phys. Lab., Teddington, UK
NRL	US Naval Research Lab., Washington, USA
NYU	New York University, USA
NZL	New Zealand
ORL	Oak Ridge National Laboratory, USA
OSA	Osaka University, Japan
OSU	Ohio State University, USA
OXF	University of Oxford, UK
PAK	Pakistan
PEN	University of Pennsylvania, USA
PER	Peru
PHI	Philippines
POL	Poland
PTN	Princeton University, USA
PUP	University of Pittsburgh, USA
RCN	Energy Research Foundation, Petten, Netherlands
RIS	RISO, Roskilde, Denmark
ROM	University of Rome, Italy
ROS	Zentralinst. f. Kernforschung, Rossendorf, Germany
RPI	Rensselaer Polytechnic Institute, USA
PRT	Portugal
RUM	Rumania
SAC	C.E.N. Saclay, France
SAF	South Africa
SAR	Saudi Arabia
SAS	University of Saskatchewan, Canada
SF	Finland
SGU	Saratov State University, Russia
SPN	Spain
STF	Stanford University, USA
STR	Nucl. Res. Centre, Strasbourg, France
SWD	Sweden
SWT	Switzerland
TEL	Tel Aviv University, Israel
TEX	University of Texas, USA
THD	Tech. Hochschule, Darmstadt, Germany
TIT	Tokyo Institute of Technology, Japan
TMF	Tri Univ. Meson Facility, Vancouver, Canada
TNL	Triangle Universities Nucl. Lab., USA
TOH	Tohoku University, Sendai, Japan
TOK	Tokyo University, Japan
TOR	University of Toronto, Canada

Table 5 (continued)

code	laboratory
TPI	Tomskij Politekhnikeskij Inst., Tomsk, Russia
TRM	Bhabha Atomi. Res. Centre, India
UBC	University of British Columbia, Vancouver, Canada
UEN	University of Erlangen-Neuernberg, Germany
UFT	Ukrainskij Fiziko-Tekhnicheskij Inst., Kharkov, Russia
UI	University of Illinois, USA
UK	United Kingdom
UMA	University of Massachusetts, USA
UNH	University of New Hampshire, USA
UPP	University of Uppsala, Sweden
USA	United States of America
UWA	University of Western Australia, Australia
VIR	University of Virginia, USA
WAS	Washington University, USA
WAU	University of Washington, USA
WIS	University of Wisconsin, USA
WMU	West Michigan University, USA
YAL	Yale University, USA
YUG	Yugoslavia
ZZZ	International organization

Table 6 Work type codes

code	work type
EXPT	experimental
THEO	theoretical calculation
EXTH	experiment with theoretical calculation
COMP	compilation
EVAL	evaluation
RE VW	review

List of the Index to Photonuclear Reaction Data

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
MANY	(G,A)	1.6+ 7	3.0+ 7	CAN EXPT	CJP	50	1554	72 KELLER+ RELATIV. YIELD	
MANY	(G,ABSORPTION) CS	1. + 9		COR EXPT	PR	115	687	59 MALAMUD TOT.ABSORP.SIGMA	+
MANY	(G,ABSORPTION) CS	NDG		GER REVW	NP/A	446	229	85 AHRENS	
MANY	(G,ABSORPTION) YD	1.5+ 3		USA EXPT	NIM	95	571	71 LYONS+ IONIZATION INTENSITY	
MANY	(G,ABSORPTION) YD		6.8+ 7	TOH EXPT	NIM	157	567	78 MASUMOTO+ ACTIVATION YIELD CURVE	+
MANY	(G,D)	3.0+ 7	9.0+ 7	CCP THEO	NP	34	562	62 CHIZHOV+ DEUTERON YIELD RATIO	
MANY	(G,DISINTEGR.) CS	2.0+ 8		NOR THEO	NP/A	64	113	65 REITAN SIGMA CURVE	+
MANY	(G,ELASTIC)) AD	6.6+ 5	1.3+ 6	YUG EXPT	NP	5	647	58 CINDRO+ DIFF.SIGMA TBL	+
MANY	(G,ELASTIC)) AD	7. + 6	3.1+ 7	PEN EXPT	PR	118	701	60 REIBEL+ AVER.TOT.ELASTIC SIGMA	+
MANY	(G,ELASTIC)) AD	5. + 5		GER EXPT	2P	195	252	66 HAUSER+ ABSOL.DIFF.SIGMA,Z=72-92	+
MANY	(G,ELASTIC)) CS	4. + 6	4.0+ 7	NBS EXPT	PR	101	692	56 FULLER+ SIGMA PLOT	+
MANY	(G,ELASTIC)) CS	7. + 6		UI THEO	PR	126	671	62 AXEL ELASTIC SCATT.SIGMA	+
MANY	(G,G)	NDG		ISL EXPT	PR	146	852	66 BEN-DAVID+ EFFECTIV.-SIGMA TBL	+
MANY	(G,G)	NDG		ISL EXPT	PR/C	2	2001	70 SCHLESINGER+ RADIATION WIDTH	
MANY	(G,G)	NDG		USA EXPT	NP	35	472	62 BOOTH+ MEAN LIFETIME OF LEVEL	+
MANY	(G,G)	NDG		ISR EXPT	PR	133	8684	64 ARAD+ NEUT.-CAPT.GAMMA SOURCE	+
MANY	(G,G)	5. +69	+ 6	USA EXPT	PR	179	1153	69 RAMCHANDRAN+ LEVEL PARAM.	+
MANY	(G,G)	NDG		COMP	NIM	166	69	79 MOREH	
MANY	(G,INELASTIC)) CS	5. + 5	1.1+ 7	USA EXPT	PR/C	43	1239	91 CARROLL+ ISOMER EXCIT./INTEGR.SIGM	+
MANY	(G,N)	2.2+ 7		BZL EXPT	NP	23	144	61 TAGLIABUE+ DIFF.-SIGMA CURVE	+
MANY	(G,N)	3.4+ 7		AUL EXPT	NP/A	53	545	64 ALLUM+ ANGL.DISTRIBUT.CURVE	+
MANY	(G,N)	2.2+ 7		CAN EXPT	CJP	46	1823	68 JURY+ ANGULAR DIST.	
MANY	(G,N)	NDG		CCP THEO	SNP	15	143	72 AKHIEZER+ CAL. DIFF.-SIGMA CURVE	+
MANY	(G,N)	NDG		PEN EXPT	PR	104	178	56 HARTLEY+ SIGMA TBL	+
MANY	(G,N)	7. + 6	4.0+ 7	NBS EXPT	PR	112	554	58 FULLER+ RELATIVE SIGMA CURVE	+
MANY	(G,N)	5.5+ 7	8.5+ 7	RPI EXPT	PR	175	1330	68 KAUSHAL+ SIGMA CURVE & TBL	+
MANY	(G,N)	4.0+ 7	3.5+ 8	ORL THEO	PR	182	1035	69 GABRIEL+ DOUBLE DIFF.-SIGMA	+
MANY	(G,N)	NDG		USA THEO	PR	99	1620	55 RAND CAL.ABSORPTION ENERGY	+
MANY	(G,N)	NDG		ANL EVAL	PR	120	1305	60 HUIZENGA+ ISOMER RATIO	
MANY	(G,N)	NDG		PEN EXPT	PR	118	1302	60 GELLER+ NEUTRON SEPARATION ENERGY	
MANY	(G,N)	NDG		AUL EXPT	NP	37	449	62 CARVER+ ISOMER RATIO	
MANY	(G,N)	NDG		GER REVW	NP/A	358	307	81 SCHUCH	
MANY	(G,N)	3.1+ 7		YUG EXPT	NP	7	296	58 MIHAILOVIC+ HALF-LIFE OF PRODUCT	
MANY	(G,N)	NDG		CAN EXPT	CJP	36	407	58 CHIDLEY+ PHOTONEUTRON THRESHOLD	
MANY	(G,NP)	3.2+ 8		MIT EXPT	PR	119	348	60 STEIN+ Z DEPENDENCE OF SIGMA	+
MANY	(G,P)	NDG		CAN EXPT	CJP	41	871	63 MICHELL+ ANGL.YIELD	
MANY	(G,P)	NDG		TOK REVW	NP/A	446	241	85 HOMMA	
MANY	(G,P)	5.0+ 8		GER EXPT	NP/A	358	367	81 ARENDS+ SIGMA CURVE	+
MANY	(G,P)	NDG		FR THEO	NP/A	72	305	65 SHODA CAL/COMPL.SIGMA CURVE	+
MANY	(G,P)	NDG		GER REVW	NP/A	358	307	81 SCHUCH	
MANY	(G,PION)	4.0+ 8	7.0+ 8	CCP EXPT	SNP	19	153	74 DUDKIN+ DIFF.SIGMA TBL	+
MANY	(G,PION)	NDG		CCP THEO	SNP	6	85	68 GOVORKOV CAL.TOTAL SIGMA	+
MANY	(G,PION)	1.7+ 8		NBS EXPT	PR	140	8897	65 SCHRACK NEUTRAL PION PRODUCT.	
MANY	(G,PION)	5.0+ 8		CCP EXPT	SNP	14	18	72 GONCHAROV+ YIELD CURVE	+
MANY	(G,PION)	NDG		TOK REVW	NP/A	446	241	85 HOMMA	
MANY	(G,SCATTERING) AD	1.5+ 7		GER THEO	PR	165	1170	68 ARENHOEVEL+ DIFF.SIGMA TBL	+
MANY	(G,SCATTERING) AD	2. + 6	8. + 6	GER EXPT	2P/A	300	193	81 SCHUMACHER+ 90DEG.DIFF.-SIGMA	+
MANY	(G,TOTAL)	1.5+ 7	3.0+ 7	NBS EXPT	PR	137	8576	65 WYCKOFF+ TOTAL SIGMA CURVE	+
MANY	(G,TOTAL)	1.2+ 5	1.1+ 7	CAN EXPT	CJP	49	1167	71 HENRY+ TOT.PHOTO SIGMA TABLE	+
MANY	(G,TOTAL)	3.0+ 7	1.4+ 8	SAC EXPT	NC/A	76	147	83 BERGERE+ INTEG.-SIGMA PLOT	+
MANY	(G,TOTAL)	3.6+ 5	1.3+ 6	IND EXPT	NIM	106	317	73 GOSWAMI+ ATTENUATION COEFF.	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
MANY	(G,X)	NDG		USA THEO	PR	97	122	55 LEVINGER BREM-WEIGHTED SIGMA TBL	+
MANY	(G,X)	1.0+ 8	1.2+ 9	CCP EXPT	SNP	9	673	69 NOGA+ NA-24 PRODUCT-SIGMA	+
MANY	(G,X)	NDG		BUR THEO	NIM	104	73	72 HLA+ CAL-K-SHELL SIGMA CURVE	+
MANY	(G,X)	2. +12	4.5+12	CCP EXPT	SNP	17	356	73 VARTAPETYAN+ SIGMA TBL	+
MANY	(G,X)	5.0+ 7	1. + 9	CCP THEO	NP/A	231	462	74 BARASHENKOV+ SIGMA CURVE	+
MANY	(G,X)	8. + 6	3.0+ 7	SAC EXPT	NP/A	219	39	74 LEPRETRET+ SIGMA	+
MANY	(G,X)	2.0+ 8	8.0+ 8	SWD COMP	2P/A	281	53	77 JONSSON+ EXP.&CAL. SIGMA	+
MANY	(G,X)	4.5+ 9		CCP COMP	SNP	49	951	89 AMROYAN+ PHOTOSPALLATION PRODUCT	+
MANY	(G,X)	NDG		BRG THEO	PR	99	1053	55 GOLDEMBERG+ SHELL EFFECT	+
MANY	(G,X)	NDG		USA EVAL	PR	110	143	58 OKAMOTO Q MOMENT & RESONANCE WIDTH	+
MANY	(G,X)	3.2+ 8		MIT EVAL	PR	97	1327	55 HALPERN+ REACTION YIELD	+
MANY	(G,X)	3.2+ 8		MIT EVAL	PR	97	1325	55 DEBS+ REACTION YIELD	+
MANY	(G,X)	2.3+ 7		GER EXPT	2P	165	99	61 KREHBIEL+ SHORT LIVED ISOMER PROD.	+
MANY	(G,X)	6.6+ 6		MCM EXPT	PR/C	13	1552	76 ROBERTSON+ DOUBLE PAIR PRODUCT.	+
MANY	(G,XN)	8. + 6	3.0+ 6	SAC EXPT	NP/A	227	513	74 VEYSSIERE+ SIGMA CURVE	+
MANY	(G,2N)	8. + 6	3.0+ 7	SAC EXPT	NP/A	219	39	74 LEPRETRET+ SIGMA	+
MANY	(G,2N)	8. + 6	3.0+ 6	SAC EXPT	NP/A	227	513	74 VEYSSIERE+ SIGMA CURVE	+
MANY	(G,2P)	NDG		TOK REVW	NP/A	446	241	85 HONMA	+
MANY	(E,ABSORPTION)	3.4+ 4		GER EXPT	2P	196	311	66 KUNZ ENERGY LOSS TABLE	+
MANY	(E,ELASTIC)	4.2+ 7		STF EXPT	PR	129	312	63 GOLDEMBERG+ SIGMA VALUE	+
MANY	(E,ELASTIC)	1.0+ 2	2.0+ 3	GER THEO	2P	208	286	68 BUEHRING POLARIZATION	+
MANY	(E,G)	2.5+ 6	4.0+ 6	GER EXPT	2P	188	303	65 BOURGOIGINE+ Z DEPEND. OF BREMSST	+
MANY	(E,INELASTIC)	NDG		DKE THEO	PR	134	8945	64 ONLEY+ RELATIVE SIGMA	+
MANY	(E,INELASTIC)	4.2+ 7		STF EXPT	NP	41	461	63 BARBER+ 180DEG.SIGMA TBL	+
MANY	(E,INELASTIC)	2.0+ 8	3.5+ 8	NBS EXPT	PR/C	27	2492	83 O'CONNELL+ SIGMA CURV	+
MANY	(E,SCATTERING)	NDG		FR REVW	NP/A	358	275	81 LAGET DIFF.SIGMA CURVE	+
MANY	(E,SCATTERING)	NDG		STF EVAL	NP/A	358	229	81 HANNA DIFF.SIGMA CURVE	+
MANY	(E,SCATTERING)	1.8+ 8		CCP THEO	SNP	4	583	67 KABACHNIK+ DIFF.SIGMA CURVE	+
MANY	(E,SCATTERING)	NDG		USA THEO	2P/A	341	275	92 SONG+ OFF-SHELL EFFECT	+
MANY	(E,X)	5. + 4	1.5+ 7	NBS EVAL	PR	112	1679	58 FANG+ BREMSSTRAHLUNG SIGMA	+
MANY	(E,X)	NDG		GER THEO	2P	216	241	68 LOTZ IONIZAT.SIGMA FOR H TO CA	+
MANY	(E,X)	NDG		GER THEO	2P	220	466	69 LOTZ Z=21 TO 30,IONIZAT.SIGMA	+
MANY	(N,ABSORPTION)	2.4+ 4		ORL EXPT	NP	20	202	60 SCHMITT+ ABSOL.ABSORPT.SIGMA	+
MANY	(N,G)	2.5+ 4		ORL EXPT	NP	107	504	57 MACKLIN+ ACTIVAT.SIGMA BY SB-BE	+
MANY	(N,G)	NDG		USA THEO	NSE	2	334	57 GREEBLER+ FOR FP NUCLIDES	+
MANY	(N,G)	2.5+ 4		CAL EXPT	PR	112	226	58 BOOTH+ ACTIVATION SIGMA TBL	+
MANY	(N,G)	1.5+ 5	6.2+ 6	WAS EXPT	PR	116	927	59 JOHNSRUD+ ACTIVATION SIGMA	+
MANY	(N,G)	1.4+ 7		HAR EVAL	NP	11	646	59 LANE+ ANALYSIS OF N-CAPT.REACTION	+
MANY	(N,G)	1.8+ 8	1.0+ 9	CAL EXPT	NP	120	556	60 DIVEN+ SIGMA TBL	+
MANY	(N,G)	2.5- 2		IND EXPT	NP	20	183	60 HANS+ ISOMER PRODUCT.SIGMA TBL	+
MANY	(N,G)	7. + 3	1.7+ 5	ORL EXPT	PR	122	182	61 GIBBONS+ AVERAGE CAPT.SIGMA	+
MANY	(N,G)	2.5- 2		ANL EXPT	NSE	9	132	61 MEADOWS+ SIGMA VALUE	+
MANY	(N,G)	2.5- 2		IND EXPT	NP	36	542	62 MANGAL+ ACTIVAT.SIGMA	+
MANY	(N,G)	2.5- 2		USA EXPT	NSE	12	115	62 GARRISON+ FP NUCLEI	+
MANY	(N,G)	2.5- 2		USA EXPT	PR	129	769	63 KEISCH ISOMERIC SIGMA	+
MANY	(N,G)	3.0+ 4	6.5+ 4	ORL EXPT	PR	129	2695	63 MACKLIN+ SIGMA TBL	+
MANY	(N,G)	2.5- 2		IND EXPT	NP	41	372	63 MANGAL+ ISOMERIC SIGMA VALUE	+
MANY	(N,G)	1.0+ 4	5.0+ 4	ORL EXPT	NP	43	353	63 MACKLIN+ N-CAPT.SIGMA CURVE	+
MANY	(N,G)	3.0+ 4	1.7+ 5	CCP EXPT	SNP	4	204	67 KONONOV+ SIGMA CURVE	+
MANY	(N,G)	3.0+ 4	2.2+ 5	ORL EXPT	PR	159	1007	67 MACKLIN+ SIGMA TBL	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
MANY	(N,G)	5. + 6	5.0+ 7	USA COMP	NP/A	102	177 67	CARLSON+ COMPILATION OF SIGMA	+
MANY	(N,G)	NDG		RPI COMP	NP/A	113	689 68	SPERBER+ ISOMER RATIO	+
MANY	(N,G)	PILE		USA EXPT	NSE	31	545 68	TILBURY+ ISOTOP. OF PD, SN, XE, BA, HG	+
MANY	(N,G)	2.5- 2		GER EXPT	ZP	210	13 68	MANNHART+ SIGMA TABLE	+
MANY	(N,G)	1.0+ 7	2.0+ 7	ITY COMP	NP/A	127	503 69	LONGO+ COMPILATION OF SIGMA VALUE	+
MANY	(N,G)	5. + 5	3.0+ 6	FR EXPT	NSE	93	43 86	VOIGNIER+ SIGMA TABLE	+
MANY	(N,G)	5.0+ 5	3.0+ 6	FR EXPT	NSE	112	87 92	VOIGNIER+ SIGMA VALUE, A=45 TO 238	+
MANY	(N,G)	PILE		USA EXPT	PR	100	1302 55	REIER+ N-CAPT. GAMMA SPECTRA	+
MANY	(N,G)	2.5- 2		YAL EXPT	PR	114	268 59	DRAPER+ GAMMA SPECTRA	+
MANY	(N,G)	2.5- 2		CCP EVAL	NP	16	645 60	GROSHEV+ N-CAPT. GAMMA SPECTRA	+
MANY	(N,G)	NDG		ANL EVAL	PR	120	1305 60	HUIZENGA+ ISOMER RATIO	+
MANY	(N,G)	NDG		YAL EXPT	NP	16	27 60	DRAPER+ GAMMA MULTIPLICITY	+
MANY	(N,G)	2.5- 2		CRC EXPT	PR	102	1109 56	BRAD+ NEUTRON CAPT. GAMMA	+
MANY	(N,G)	2.5- 2		CRC EXPT	NP	26	10 61	VERVIER CIRCULAR POLARIZAT. OF G	+
MANY	(N,G)	PILE	4.0+ 8	ANL THEO	ZP	265	55 73	BARRETT OPTICAL MODEL CAL.	+
MANY	(N,G)	NDG		GER EXPT	ZP	258	315 73	HENKELMANN GAMMA INTENSITY	+
MANY	(P,G)			CCP EVAL	SNP	11	684 70	NEMASHKALO+ SIGMA TBL	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
001 H 000	(G, ABSORPTION)	1.3+ 7	8.0+ 7	NBS EXPT	PR	117	1261 60	WYCKOFF+ ATTENUAT. COEFF. TBL/CURVE	+
001 H 000	(G, ELASTIC)	1.6+ 6		LRL EXPT	PR	112	1267 58	ALVAREZ+ 124 DEG. SCATT. SIGMA	+
001 H 000	(G, INELASTIC)	6.2+ 9		GER EXPT	ZP	212	235 68	BRANDES 2ND PHOTON SPECTRUM	+
001 H 000	(G, KAON)	9.0+ 8	1.1+ 9	COR EXPT	PR	108	501 57	SILVERMAN+ K MESON PRODUCT. SIGMA	+
001 H 000	(G, KAON)	9.1+ 8	1.5+ 9	USA THEO	PR	107	570 57	FUJI+ CAL. TOT SIGMA	+
001 H 000	(G, KAON +)	2.6+ 8		LRL EXPT	PR	107	323 57	KNAPP+ POSITV. MESON PRODUCT. SIGMA	+
001 H 000	(G, KAON +)	1.1+ 9		USA EXPT	PR	107	1198 57	DONOHU+ K+ PRODUCT. SIGMA	+
001 H 000	(G, MESON)	1.0+ 9		USA EXPT	PR	110	1213 58	BRODY+ K+ PRODUCT. DIFF. SIGMA	+
001 H 000	(G, MESON)	1.2+ 9		COR EXPT	PR	115	1039 59	MCDANIEL+ K+ MESON PRODUCT.	+
001 H 000	(G, MESON)	3.6+ 8	9.4+ 8	SWD EXPT	ZP/A	274	73 75	DOUGAN+ SIGMA TABLE & CURVE	+
001 H 000	(G, MESON)	2.4+ 8	9.2+ 8	SWD EXPT	ZP/A	276	155 76	DOUGAN+ DIFF. SIGMA TABLE	+
001 H 000	(G, MESON)	NDG		COR EXPT	PR	113	1323 59	SELLEN+ MULTIPLE MESON PRODUCT.	+
001 H 000	(G, MESON)	1.1+ 9		USA EXPT	PR	112	981 58	DONOHU+ K+ MESON PRODUCT.	+
001 H 000	(G, N)	3.3+ 8		UK EXPT	NP/A	87	131 66	THOMAS+ RELATIVE YIELD	+
001 H 000	(G, P)	3.3+ 8		UK EXPT	NP/A	87	131 66	THOMAS+ RELATIVE YIELD	+
001 H 000	(G, PION +)	2.3+ 8	4.5+ 8	USA EXPT	PR	99	220 55	TOLLESTRUP+ PION DIFF. SIGMA CUR	+
001 H 000	(G, PION +)	2.0+ 8	4.7+ 8	USA EXPT	PR	99	210 55	WALKER+ PION DIFF. SIGMA CURVE	+
001 H 000	(G, PION +)	5.5+ 8		STF EXPT	PR	105	1840 57	WILLIAMS+ Z-DEPEND. OF PION PRODUCT	+
001 H 000	(G, PION +)	2.0+ 8	4.5+ 8	GER EXPT	ZP	175	1 63	FREITAG+ ANGL. DIFF. SIGMA CURVE/TBL	+
001 H 000	(G, PION +)	3.2+ 8		UK EXPT	NP/A	87	121 66	LAWSON+ DIFF. SIGMA CURVE	+
001 H 000	(G, PION +)	1.4+ 8	2.0+ 8	UI EXPT	PR	98	201 55	LEISS+ TOT. SIGMA CURVE	+
001 H 000	(G, PION +)	1.8+ 8	4.8+ 8	BNL EXPT	PR	107	600 57	MORAVCSIK TOT. PRODUCT. SIGMA CURVE	+
001 H 000	(G, PION +)	3.4+ 8		LRL EXPT	PR	108	1040 57	IMHOFF+ POSITV. PION PRODUCT.	+
001 H 000	(G, PION -)	NDG		CAN THEO	NP/A	513	459 90	NOZAWA+ DYNAMICAL MODEL ANALYSIS	+
001 H 000	(G, PION)	2.3+ 8		UI EXPT	PR	109	158 58	MALMBERG+ POSITIVE PION PRODUCT.	+
001 H 000	(G, PION)	2.6+ 8	2.9+ 8	LRL EXPT	PR	114	605 59	KNAPP+ DIFF. SIGMA CURVE/TBL	+

I	ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
			MIN	MAX		REF	VOL	PAGE YEAR		
001	H 000	(G,PION)	2.2+ 8	3.9+ 8	STF EXPT	PR	113	1330	LAZARUS+ POSIT-PION PRODUCT.SIGMA	+
001	H 000	(G,PION)	6.0+ 8	1.1+ 9	USA EXPT	PR	113	305	BLOCH PION PAIR PRODUCT.	+
001	H 000	(G,PION)	2.0+ 8		USA EXPT	PR	132	2656	WALKER+ DIFF.SIGMA TBL	+
001	H 000	(G,PION)	1.6+ 8	2.3+ 8	STF EXPT	PR	132	830	BAZIN+ DIFF.SIGMA TBL	+
001	H 000	(G,PION)	6. + 8	1.2+ 9	USA EXPT	PR	130	2089	DIEBOLD DIFF.SIGMA	+
001	H 000	(G,PION)	3.2+ 8		LEB EXPT	SNP	25	43	ALEKSANDROV+ NEUTRAL-PION PROD.	+
001	H 000	(G,PION)	3.4+ 8	6.0+ 8	STF EXPT	PR	105	1369	FRIEDMAN+ PION PAIRS PRODUCTION	+
001	H 000	(G,PION)		1.1+ 9	COR EXPT	PR	119	811	CHASAN+ MULTIPLE MESON PRODUCT.	+
001	H 000	(G,PION)	1.5+ 8	1.8+ 8	LRL EXPT	PR	136	B1465	MCPHERSON+ SIGMA VALUE	+
001	H 000	(G,PION)	1.5+10	3.0+10	CCP EXPT	SNP	33	540	ALEKSANDROV+ PION PRODUCT.SIGMA	+
001	H 000	(G,PION)	6.0+ 8		USA EXPT	PR	108	1101	BLOCH+ PION-PAIR PRODUCT.	+
001	H 000	(G,PION)	NDG		DEN THEO	PR	103	1108	CUTKOSKY+ PION PAIR PRODUCT.SIGMA	+
001	H 000	(G,PION)	2.4+ 8	3.8+ 8	STF EXPT	PR	117	835	TAYLOR+ POSIT-PION PRODUCT.	+
001	H 000	(G,PION)	1.8+ 8	2.2+ 8	UI EXPT	PR	98	211	KOESTER+ DIFF.SIGMA CURVE	+
001	H 000	(G,PION)	2.4+ 8	4.8+ 8	COR EXPT	PR	107	577	MCDONALD+ FORWARD ANGL.PRODUCT.	+
001	H 000	(G,PION)	1.6+ 8	2.2+ 8	CCP EXPT	NP	12	327	GOLDANSKY+ COEFF. ANGULAR DIST.	+
001	H 000	(G,PION)	2.3+ 8	5.0+ 8	GER EXPT	NP	268	43	GENZEL+ DIFF.SIGMA CURVE	+
001	H 000	(G,PION)	2.3+ 8	5.0+ 8	GER EXPT	NP	268	37	GENZEL+ DIFF.SIGMA CURVE	+
001	H 000	(G,PION)	2.3+ 8	5.0+ 8	GER EXPT	NP	268	27	JAECKEL+ DIFF.SIGMA CURVE	+
001	H 000	(G,PION)	2.3+ 8	5.0+ 8	GER EXPT	NP	268	19	HILGER+ DIFF.SIGMA CURVE	+
001	H 000	(G,PION)	1.5+ 8	2.4+ 8	UI EXPT	PR	98	210	MILIS+ TOT.SIGMA CURVE	+
001	H 000	(G,PION)	1.5+ 8	2.4+ 8	UI EXPT	PR	105	1900	KOESTER+ SIGMA TBL & CURVE	+
001	H 000	(G,SCATTERING)	NDG		LRL EVAL	PR	128	2686	MITTLEMAN+ COHERENT SCATT.	+
001	H 000	(G,SCATTERING)	3.0+ 5	1.3+ 6	IND THEO	NSE	85	426	UMESH+ INCOHERENT SCTT.SIGMA TBL	+
001	H 000	(G,X)	1.1+ 9	1.2+ 9	USA EXPT	PR	135	B830	PECK DIFF.SIGMA CURVE	+
001	H 000	(E,E)	5.4+ 8	7.3+ 8	EXPT	PR/C	35	1063	O'CONNELL+	+
001	H 000	(E,ELASTIC)	2.0+ 0	9.0+ 0	ANL THEO	PR	123	174	SMITH+ TOTAL ELASTIC SIGMA	+
001	H 000	(E,G)	5.0+ 8	5.5+ 8	STF EXPT	PR	102	522	BERNSTEIN+ BREMSSTRAHL-YIELD	+
001	H 000	(E,INELASTIC)	NDG		NBS EXPT	PRL	53	1627	MCCOYD+ INELASTIC BORN SIGMA	+
001	H 000	(E,INELASTIC)	7.3+ 8		STF EXPT	PR	130	206	O'CONNELL+ AT 37.1DEG.,SIGMA CURV	+
001	H 000	(E,INELASTIC)	6.0+ 8		STF EXPT	PR	105	731	YODH+ PION PRODUCTION	+
001	H 000	(E,PION)	6.0+ 8		STF EXPT	PR	102	1392	PANOFESKY+ PION PRODUCT.	+
001	H 000	(E,SCATTERING)	2.5+ 4		GER EXPT	NP	181	413	GEIGER SCATT. BY MOLECULE H	+
001	H 000	(E,SCATTERING)	3.1+ 0	1.2+ 1	USA EXPT	PR	124	135	NEYNABER+ LOE-ENERGY SCATT.SIGMA	+
001	H 000	(E,SCATTERING)	NDG		CLA THEO	PR	124	1468	SCHWARTZ ELASTIC SCATT.	+
001	H 001	(G,ABSORPTION)	1.2+ 7	3.9+ 7	CCP EXPT	SNP	21	289	BELOUSOV+ TOTAL SIGMA CURVE	+
001	H 001	(G,ELASTIC)	NDG		COR EXPT	PR	124	909	DEWIRE+ SIGMA CURVE & TBL	+
001	H 001	(G,ELASTIC)	NDG		COR THEO	PR	124	912	CONTOGOURIS ELASTIC SCATT.SIGMA	+
001	H 001	(G,ELASTIC)	2.1+ 8	2.5+ 8	CCP EXPT	SNP	3	791	BAZHANOV+ DIFF.SIGMA CURVE & TBL	+
001	H 001	(G,ELASTIC)	7.0+ 7	1.1+ 8	CCP EXPT	SNP	21	355	BARANOV+ 90DEG. SIGMA CURVE	+
001	H 001	(G,G)	2.4+ 8	4.4+ 8	GER EXPT	NP/A	279	399	GENZEL+ DIFF.SIGMA TABLE	+
001	H 001	(G,INELASTIC)	1.3+ 8		GER EXPT	NP/A	514	621	ROSE+ QUASI-FREE COMPTON SCATT.	+
001	H 001	(G,KAON +)	1.3+ 9	1.5+ 9	GER EXPT	NP	239	1	BLECKMANN+ DIFF.SIGMA TABLE	+
001	H 001	(G,KAON +)		1.4+ 9	SAC THEO	PR/C	42	108	ADELSECK+ DIFF.SIGMA CURVE	+
001	H 001	(G,MESON)	5.0+ 8	4.0+ 8	USA EVAL	PR	101	1159	WATSON+ DIFF.SIGMA CURVE	+
001	H 001	(G,MESON)	9.5+ 8	1.0+ 9	USA EXPT	PR	109	518	SMYTHE+ DIFF.SIGMA CURVE	+
001	H 001	(G,MESON)	1.5+ 8	5.0+ 8	USA EXPT	PR	119	1710	BRODY+ DIFF.SIGMA VALUE	+
001	H 001	(G,MESON)			GER EVAL	NP	182	76	SCHMIDT PION PRODUCT.DIFF.SIGMA	+

ELEMENT		QUANTITY		ENERGY(EV)		LAB TYPE		DOCUMENTATION			COMMENTS		DATA			
Z	S	A		MIN	MAX			REF	VOL	PAGE	YEAR					
001	H	001	(G,MESON	NDG		GER	THEO	2P	195	461	66	LOCHER+	DIFF.SIGMA CURVE			
001	H	001	(G,MESON	3.4+	8	LRL	EPT	PR	122	1631	61	KENNY+	DOUBL-DIFF.SIGMA TBL/CURVE	+		
001	H	001	(G,MESON	NDG		GER	EVAL	2P	202	452	67	SCHWELA+	MULTIPOLE EVALUATION	+		
001	H	001	(G,MESON	NDG		ITY	THEO	2P	224	432	69	JUREWICZ	MULTIPOLE AMPLITUDE			
001	H	001	(G,MESON	NDG		ITY	THEO	2P	223	425	69	JUREWICZ	DISPERSION ANALYSIS			
001	H	001	(G,MESON	NDG		GER	EVAL	2P	221	71	69	SCHWELA+	MULTIPOLE EVALUATION			
001	H	001	(G,MESON	6.0+	8	GER	EPT	2P/A	277	311	76	BLUM+	MULTIPOLE EVALUATION			
001	H	001	(G,MESON	9.0+	8	GER	EPT	2P/A	278	275	76	BLUM+	ANGL.DEPEND. OF POLARIZAT.			
001	H	001	(G,MESON	NDG		GER	THEO	2P	202	477	67	BOECKMANN+	PION PROD. BY POLAR.G.G.			
001	H	001	(G,MESON	NDG		GER	THEO	2P	252	219	72	KROLL				
001	H	001	(G,P	1.9+	8	EXPT	PR/C	35	1828	87		KANAZAWA+				
001	H	001	(G,P	NDG		CCP	THEO	SNP	4	628	67	LAZARENKO	DIFF.SIGMA CURVE	+		
001	H	001	(G,P	2.5+	8	SAC	EPT	NP/A	237	447	75	ARGAN+	SIGMA CURVE & TBL	+		
001	H	001	(G,P	1.9+	8	4.3+	8	TOK	EPT	52	2536	84	HOMMA+ AT 30DEG.,DIFF.SIGMA CURV			
001	H	001	(G,P	7.2+	8	USA	EPT	PR	129	2259	63	KENEMUTH+	POLARIZATION			
001	H	001	(G,PION +	2.0+	8	GER	EPT	2P	175	34	63	ALTHOFF	DIFF.SIGMA TABLE			
001	H	001	(G,PION +	2.0+	8	4.3+	8	GER	EPT	2P	253	38	72	FISCHER+	DIFF.SIGMA TABLE	
001	H	001	(G,PION	2.2+	8	4.3+	8	GER	EPT	2P	111	622	58	VEITE	NEUTRAL PION PRODUCT.	
001	H	001	(G,PION	5.0+	8	9.4+	8	USA	EPT	PR	111	515	58	LEVINE	PION PAIR PRODUCT.	
001	H	001	(G,PION	4.1+	8	COL	THEO	PR	109	109	58	LEVINE	NEUTRAL PION PRODUCT.			
001	H	001	(G,PION	3.+	5	9.5+	5	COR	EPT	PR	110	1208	58	DEWIRE+	NEUTRAL PION PRODUCT.	+
001	H	001	(G,PION	3.5+	8	9.0+	8	COR	EPT	PR	110	1211	58	HEINBERG+	POSITIV.PION PRODUCT.	+
001	H	001	(G,PION	7.0+	8	1.1+	9	USA	EPT	PR	112	2053	58	BINGHAM+	NEUTRAL PION PRODUCT.	+
001	H	001	(G,PION	9.0+	8	1.2+	9	COR	EPT	PR	119	1381	60	JACKSON+	DIFF.SIGMA TBL	+
001	H	001	(G,PION	2.5+	8	1.+	9	COR	EPT	PR	117	1364	60	BERKELMAN+	NEUTRAL PION TBL/CURVE	
001	H	001	(G,PION	1.2+	9	TOH	THEO	PR	123	2157	61	ITABASHI	CAL.DIFF.SIGMA			
001	H	001	(G,PION	3.0+	8	8.0+	8	LRL	THEO	PR	125	734	62	MORAVCSIK	NEUTRAL PION PRODUCT.	+
001	H	001	(G,PION	1.6+	7	1.9+	7	GLS	EPT	PR	125	378	62	LEWIS+	DIFF.SIGMA VALUE	+
001	H	001	(G,PION	1.7+	8	2.3+	8	CCP	EPT	SNP	7	360	68	ADAMOVICH+	DIFF.SIGMA TBL	+
001	H	001	(G,PION	3.0+	8	4.2+	8	SAC	EPT	SNP	7	643	68	ADAMOVICH+	DIFF.SIGMA CURVE	+
001	H	001	(G,PION	1.7+	8	3.0+	8	CCP	EPT	NP/A	424	383	84	FAURE+ ANG.DIST.SIGMA TBL		
001	H	001	(G,PION	1.7+	8	2.3+	8	CCP	EPT	SNP	5	902	67	GERASIMOV	PHOTOABSORPT.SIGMA	+
001	H	001	(G,PION	NDG		3.0+	8	SAS	THEO	PR/C	11	369	70	ADAMOVICH+	SIGMA TBL	+
001	H	001	(G,PION	4.5+	8	6.0+	8	STF	EPT	PR	44	1768	91	BERGSTROM+	ANALYSIS ON EXPERIMENT	
001	H	001	(G,PION	4.5+	8	6.0+	8	USA	EPT	PR	110	1155	58	PANOFSKY+	PHOTOPION FORM FACTOR	
001	H	001	(G,PION	2.1+	8	2.7+	8	CCP	EPT	PR	122	1338	61	MALLOY+	POLARIZATION OF RECOIL P	
001	H	001	(G,PION	NDG		USA	THEO	2P	13	603	71	KUZNETSOV+	ASYMMETRY			
001	H	001	(G,PION	NDG		USA	THEO	2P	122	665	61	HOFF	PION PRODUCTION			
001	H	001	(G,PION	1.9+	8	4.3+	8	EXPT	PR/C	35	1828	87	KANAZAWA+			
001	H	001	(G,PION	2.0+	8	4.4+	8	GER	EPT	2P	245	225	71	FISCHER+	NEUTRAL PION PROD.SIGMA	+
001	H	001	(G,PION	2.0+	8	4.4+	8	GER	EPT	2P	245	253	71	BRAUNSCHEWIG+	NEUTRAL PION PRODUCT	+
001	H	001	(G,PION	2.0+	8	4.4+	8	GER	EVAL	2P	245	272	71	BRAUNSCHEWIG+	DATA COMPARISON	
001	H	001	(G,PION	8.8+	8	1.2+	9	CCP	EPT	SNP	53	448	91	AVAKYAN+	PROTON POLARIZATION	
001	H	001	(G,PION	1.7+	8	3.4+	8	MIT	EPT	PR	97	188	55	GOLDSCHMIDT-CLEMMONT+ TOT.SIGMA		
001	H	001	(G,PION	NDG		GER	THEO	2P	157	30	59	HOEHLER+	CAL.SIGMA VALUE			
001	H	001	(G,PION	NDG		GER	THEO	2P	159	77	60	DIETZ+	PHOTOAMPLITUDE			
001	H	001	(G,PION	NDG		GER	THEO	2P	188	199	65	MUELLENSTIEFFEN	POLARIZATION	+		
001	H	001	(G,PION	NDG		GER	THEO	2P	188	238	65	MUELLENSTIEFFEN	POLARIZATION	+		
001	H	001	(G,PION	3.0+	8	5.0+	8	USA	EPT	PR	103	1549	56	KECK+ NEUTRAL PION PRODUCT.		
001	H	001	(G,PION	2.3+	8	GER	EVAL	2P	211	360	68	MUELLENSTIEFFEN	MULTIPOLE ANALYSYS			
001	H	001	(G,PION	NDG		CCP	THEO	SNP	51	1026	90	TABACHENKO+	NEUTRAL PION PRODUCT.	+		

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
001 H 001	(G,PION 0) YD	NDG		CAN THEO	PR/C	41	213	90	NOZAWA+ DYNAMICAL MODEL	+
001 H 001	(G,SCATTERING) AD	3.0+ 7	9.5+ 7	USA EXPT	PR	100	435	55	OXLEY+ DIFF.SIGMA CURVE	+
001 H 001	(G,SCATTERING) AD	NDG		MIT THEO	PR	104	1479	56	GOMEZ+ SPIN-FLIP SEPARATION	+
001 H 001	(G,SCATTERING) AD	1.0+ 8	2.0+ 8	WAS THEO	PR	108	1032	57	CAPS CAL.DIFF.SIGMA CURVE	+
001 H 001	(G,SCATTERING) AD	1.0+ 8	2.0+ 8	LRL THEO	PR	106	1031	57	CAPS CAL.DIFF.SIGMA CURVE	+
001 H 001	(G,SCATTERING) AD	2.5+ 7	8.7+ 7	USA EXPT	PR	110	733	58	OXLEY DIFF.SIGMA TBL	+
001 H 001	(G,SCATTERING) AD	5.0+ 7	3.0+ 8	USA THEO	PR	125	1765	62	HYMAN DIFF.SIGMA CURVE	+
001 H 001	(G,SCATTERING) AD	1.2+ 8	2.8+ 8	CCP THEO	SNP	5	873	67	BARANOV+ DIFF.SIGMA CURVE	+
001 H 001	(G,SCATTERING) CS	5.0+ 7	1.3+ 8	CCP EXPT	PR	105	982	57	PUGH+ SIGMA CURVE	+
001 H 001	(G,X) AD	8.0+ 8	1.3+ 9	CCP EXPT	SNP	33	538	81	BRATASHEVSKI+ POLARIZATION OF P	+
001 H 001	(G,X) AD	5.0+ 8	1.0+ 9	ITY EXPT	PR	126	1181	62	MENCUCINI+ POLARIZATION	+
001 H 001	(G,X) XX	NDG		USA THEO	PR	132	838	63	MINAMI+ G + P REACTION	+
001 H 001	(G,X) YD	9.0+ 8	1.5+ 9	USA THEO	PR	138	81219	65	BARSHAY+ K+ MESON PRODUCT.	+
001 H 001	(G,X) YD	NDG		STF THEO	PR	138	81312	65	DRELL+ NEUTRAL K MESON PRODUCT.	+
001 H 001	(G,2P)	1.9+ 8	4.3+ 8	EXPT	PR/C	35	1828	87	KANAZAWA+	+
001 H 001	(E,ELASTIC) AD	1.9+ 8		STF EXPT	PR	102	851	56	MCALLISTER+ DIFF.SIGMA CURVE	+
001 H 001	(E,ELASTIC) AD	1.1+ 8	6.8+ 8	STF EXPT	PR	138	857	65	COLLARD+ DIFF.SIGMA TBL	+
001 H 001	(E,ELASTIC) AD	1.5+ 8	2.8+ 8	GER EXPT	NP/A	222	269	74	SORKOWSKI+ DIFF.SIGMA TBL	+
001 H 001	(E,ELASTIC) AD	2.0+ 8	6.5+ 8	SAC EXPT	NP/A	510	740	90	PLATCHKOV+ DIFF.SIGMA TABLE	+
001 H 001	(E,ELASTIC) CS	1.2+ 9	1.0+ 1	ANL EXPT	PR	125	553	62	SMITH+ ATOMIC SCATT.SIGMA	+
001 H 001	(E,INELASTIC) AD	NDG		CCP EXPT	SNP	15	361	72	TITOV+ DIFF.SIGMA TABLE	+
001 H 001	(E,MESON) XX	NDG		GER EVAL	2P	202	452	67	SCHWELA+ MULTIPOLE EVALUATION	+
001 H 001	(E,P) XX	5.5+ 7	1.3+ 8	SAS EXPT	PR/C	9	2125	74	MURPHY+ FORM FACTOR	+
001 H 001	(E,PION -) YD	NDG		CAN THEO	NP/A	513	511	90	NOZAWA+ DYNAMICAL MODEL ANALYSIS	+
001 H 001	(E,PION) DD	1.1+ 9	1.3+ 9	STF EXPT	PR	120	584	60	OHLESEN+ DIFF.SIGMA TBL & CURVE	+
001 H 001	(E,PION) DD	2.3+ 8	7.7+ 8	STF EXPT	PR	129	1834	63	HAND+ SIGMA VALUE	+
001 H 001	(E,PION) YD	NDG		UK THEO	PR	105	1598	57	DALITZ+ PION PRODUCTION	+
001 H 001	(E,PION) XX	1.0+ 9	1.2+ 9	CCP EXPT	SNP	13	304	71	TITOV+ FORM FACTOR	+
001 H 001	(E,SCATTERING) AD	1.0+ 8	2.4+ 8	STF EXPT	PR	98	217	55	LOURIE RECOIL POLARIZATION	+
001 H 001	(E,SCATTERING) AD	1.4+ 8		STF EXPT	PR	105	1356	57	HOEFTADTER+ DIFF.SIGMA CURVE	+
001 H 001	(E,SCATTERING) AD	8.3+ 8	1.4+ 9	COR EXPT	PR	130	2061	63	TAUTFEEST+ DIFF.SIGMA TBL	+
001 H 001	(E,SCATTERING) CS	1.9+ 8		STF EVAL	PR	104	1494	56	BERKELMAN+ DIFF.SIGMA	+
001 H 001	(E,SCATTERING) CS	0. + 0	1.4+ 7	LRL THEO	PR	121	1112	61	KIRSON+ FORM FACTOR	+
001 H 001	(E,SCATTERING) CS	3.0+ 8	5.1+ 8	STF EXPT	PR	135	8701	65	MCALLISTER ABSOLUTE SIGMA	+
001 H 001	(E,SCATTERING) DD	4.2+ 7		ITY EXPT	PR	139	8701	65	DRELL+ PROTON POLARIZABILITY	+
001 H 001	(E,X) YD	1.9+ 8		INU EXPT	PR/C	31	309	85	LIPPMANN+ TRIPLET SIGMA CURVE	+
001 H 001	(N,G) AD	1.9+ 7	5.0+ 7	KFK EXPT	NP/A	530	331	91	ALLTON SIGMA TBL	+
001 H 001	(N,G) CS	2.5- 2		USA EXPT	PR	114	1561	59	PETERSON+ DDX SIGMA CURVE	+
001 H 001	(N,G) CS	1.4+ 7		YUG EXPT	PR	124	1947	61	FABBRIO+ 280GY EFF.-MASS SPECTRA	+
001 H 001	(N,G) CS	2.5- 2		UK EXPT	NP/A	74	497	65	MEYER+ SIGMA RATIO	+
001 H 001	(N,G) CS	2.5- 2		USA EXPT	PR/C	8	1179	73	FINK+ DIFF.SIGMA TABLE	+
001 H 001	(N,G) CS	2.5- 2		GER EXPT	NP/A	274	349	75	STOCKSBERRY+ SIGMA VALUE	+
001 H 001	(N,G) CS	3.7+ 7	7.2+ 7	EXPT	PL/B	82	212	79	CERINEO+ SIGMA VALUE	+
001 H 001	(N,G) CS	2.5- 2		AML THEO	PR/C	9	1790	74	COX+ SIGMA VALUE	+
001 H 001	(N,G) CS	2.5- 2		AML THEO	PR/C	11	349	75	ARNOLD+ DOUBLY RADIAT.CAPT.SIGMA	+
001 H 001	(N,G) CS	2.5- 2		CCP EXPT	NP/A	352	181	81	WUEST+ DOUBLY RADIAT.SIGMA	+
001 H 001	(N,G) CS	2.5- 2							BOSMAN+ TOTAL CAPTURE SIGMA	+
001 H 001	(N,G) CS	2.5- 2							MCKELLAR ANALYSIS	+
001 H 001	(N,G) CS	2.5- 2							LASSEY+ POLARIZATION	+
001 H 001	(N,G) CS	2.5- 2							VESNA+ CIRCULAR POLARIZATION	+

ELEMENT Z S A	QUANTITY	ENERGY(KEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
001 H 001	(N-G)	2.7+	8	CAN REV	NP/A	446	351	CANERON	
001 H 001	(N-G)	NDG		USA THEO	NP/A	515	139	BURICHENKO+ POLARIZATION OF GAMMA	
001 H 001	(N-G)	2.5-	2	CRC EXPT	NP/A	50	209	BARTHOLOMEW+ LEVEL SPIN	
001 H 001	(N-G)	2.5-	2	NED EXPT	NP/A	180	569	KAMP+ NEUT.-CAPT. GAMMA	
001 H 001	(N-P)	6.1+	7	LVN EXPT	PR/C	35	402	NINANE+	
001 H 001	(N-P)	6.1+	7	LVN EXPT	PR/C	35	402	SODERSTRUM+	
001 H 001	(D-G)	6.0+	6	WIS EXPT	PR/C	35	1246	ANGULAR DIST.SIGMA	+
001 H 001	(D-G)	7.5+	6	MCM EXPT	PR/C	38	2503	VEITERLI+ ANGULAR DIST.SIGMA	
001 H 001	(D-G)	9.5+	7	INU EXPT	PR/C	37	1	PITTS+	
001 H 001	(D-G)	2.9+	7	SWT EXPT	NP/A	453	220	JOURDAN+ ANALYZING POWER	
001 H 002	(G-D)	4.0+	7	GER THEO	PR/C	7	1003	MILLER+ DIFF.SIGMA CURVE	+
001 H 002	(G-D)	NDG		ANL THEO	PR/C	41	2400	HOLT	
001 H 002	(G-DISINTEGR.)	6.0+	7	UL EXPT	PR	101	377	WHALIN+ DIFF.SIGMA TBL	+
001 H 002	(G-DISINTEGR.)	1.5+	8	USA EXPT	PR	101	360	KECK+ DIFF.SIGMA TBL/CURVE	+
001 H 002	(G-DISINTEGR.)	1.4+	8	LRL EXPT	PR	104	1730	DIXON+ DIFF.SIGMA TBL & FORMULA	+
001 H 002	(G-DISINTEGR.)	2.0+	7	USA THEO	PR	108	973	AUSTERN+ CAL.SIGMA CURVE	+
001 H 002	(G-DISINTEGR.)	2.0+	8	USA EXPT	PR	112	932	TATRO+ DIFF.SIGMA TBL	+
001 H 002	(G-DISINTEGR.)	NDG		YAL THEO	PR	114	1358	ZERNIK+ DIFF.SIGMA	+
001 H 002	(G-DISINTEGR.)	8.0+	7	GER THEO	NP	154	513	BANERJEE+ CAL.DIFF.SIGMA CURVE	+
001 H 002	(G-DISINTEGR.)	NDG		YAL THEO	PR	120	1881	RUSTGI+ DIFF.SIGMA TBL & CURVE	+
001 H 002	(G-DISINTEGR.)	5.0+	7	USA EXPT	PR	117	763	GALEY DIFF.SIGMA CURVE	+
001 H 002	(G-DISINTEGR.)	5.0+	8	USA EXPT	PR	121	630	MYERS+ DIFF.DISINT.SIGMA CURVE	+
001 H 002	(G-DISINTEGR.)	1.0+	8	GER EXPT	NP	202	364	KOSE+ DIFF.SIGMA TABLE/CURVE	+
001 H 002	(G-DISINTEGR.)	1.4+	8	SWD EXPT	NP/A	276	55	DOUGAN+ DIFF.SIGMA TABLE & CURVE	+
001 H 002	(G-DISINTEGR.)	4. + 6	1.0+	CCP EXPT	SNP	51	769	BUKI+ DIFF.SIGMA CURVE	+
001 H 002	(G-DISINTEGR.)	63 + 7	71 + 7	USA EXPT	PR/C	45	904	DEBEVEC+ DIFF.SIGMA CURVE	+
001 H 002	(G-DISINTEGR.)	2.0+	7	6.5+ 7	UI EXPT	PR	98	ALLEN TOT & DIFF.SIGMA CURVE	+
001 H 002	(G-DISINTEGR.)	1.0+	8	4.0+ 8	USA THEO	PR	101	ZACHARIASEN CAL.SIGMA CURVE	+
001 H 002	(G-DISINTEGR.)	NDG		COR THEO	PR	104	218	WILSON TOTAL MESON PRODUCT.SIGMA	+
001 H 002	(G-DISINTEGR.)	NDG		USA THEO	PR	107	1025	NEWTON NEUTRON-PROTON FORCE	+
001 H 002	(G-DISINTEGR.)	6.0+	7	USA THEO	PR	106	791	BERNSTEIN TOTAL DISINT.SIGMA	+
001 H 002	(G-DISINTEGR.)	2.2+	7	8.0+ 7	USA THEO	PR	111	DE SWART+ SIGMA TBL	+
001 H 002	(G-DISINTEGR.)	5.2+	7	1.5+ 8	USA THEO	PR	119	KRAMER+ CAL.SIGMA	+
001 H 002	(G-DISINTEGR.)	1.0+	7	1.3+ 8	UK THEO	NP/A	53	DONNACHIE+ CAL.SIGMA VALUE/CURVE	+
001 H 002	(G-DISINTEGR.)	NDG		IND THEO	NP/A	78	609	NAQVI SIGMA TABLE	+
001 H 002	(G-DISINTEGR.)	NDG		AUL THEO	NP	209	457	KOCEVAR SEMIRELATIVISTIC CAL.	+
001 H 002	(G-DISINTEGR.)	NDG		IND THEO	CJP	49	2211	RAGHAVAN+ CAL.SIGMA VALUE	+
001 H 002	(G-DISINTEGR.)	2.0+	7	3.5+ 7	GER EXPT	NP	242	TIETZE+ 90DEG.DIFF.SIGMA CURVE	+
001 H 002	(G-DISINTEGR.)	NDG		IND THEO	CJP	55	943	ABIDI+ DISINTEGL.SIGMA TABLE	+
001 H 002	(G-DISINTEGR.)	NDG		USA THEO	CJP	55	158	RUSTGI+ BREMST-WEIGHT.SIGMA VAL.	+
001 H 002	(G-DISINTEGR.)	NDG		8 CCP THEO	SNP	53	577	BRATKOVSKAYA+ SIGMA CURVE	+
001 H 002	(G-DISINTEGR.)	1.0+	7	8.0+ 7	UI EVAL	PR	98	YAMAGUCHI+ ELECT-DIPOLE SIGMA	+
001 H 002	(G-DISINTEGR.)	NDG		USA THEO	PR	111	1314	KAWAGUCHI PROTON POLARIZATION	+
001 H 002	(G-DISINTEGR.)	NDG		YAL THEO	PR	124	1538	ZICKENDRAHT+ POLARIZATION	+
001 H 002	(G-DISINTEGR.)	NDG		USA THEO	PR	127	1787	SAKITA+ CAL-MATRIX ELEMENT	+
001 H 002	(G-DISINTEGR.)	NDG		USA THEO	PR	127	1800		
001 H 002	(G-DISINTEGR.)	NDG		GER THEO	NP	198	527	BRAESS+ FORM FACTOR	+
001 H 002	(G-DISINTEGR.)	2.0+	8	3.5+ 8	CCP EXPT	SNP	51	ZYBALOV+ PROTON POLARIZATION	+
001 H 002	(G-DISINTEGR.)	3.1+	8	4.5+ 8	CCP EXPT	SNP	52	AVAKYAN+ PROTON POLARIZATION	+

ELEMENT Z S A	QUANTITY	ENERGY(KEV) MIN MAX	LAB TYPE	DOCUMENTATION			COMMENTS	DATA
				REF	VOL	PAGE YEAR		
001 H 002	(G,DISINTEGR.)	2.9+ 8 4.2+ 8	CCP EXPT	SNP	52	396 90	AVAKYAN+ PROTON POLARIZATION	
001 H 002	(G,KAON -)	NDG	USA EXPT	PR/C	42	R475 90	GALL+ PHOTON SPECTRA MEASURED.	
001 H 002	(G,MESON)	2.9+ 8 3.5+ 8	USA THEO	PR	99	254 55	CHAPPELEAR CAL.DIFF.SIGMA CURVE	+
001 H 002	(G,MESON)	5.0+ 8	USA EXPT	PR	109	518 58	SMYTHE+ DIFF.SIGMA CURVE	+
001 H 002	(G,MESON)	NDG	CCP THEO	NP/A	67	679 65	BELOUSOV+ NEUT.PI PRODUCT.DIFF.SIG	+
001 H 002	(G,MESON)	1.5+ 8 1.0+ 9	COR EXPT	PR	120	614 60	WHITE+ NEGATIVE MESON PRODUCT.	+
001 H 002	(G,MESON)	3.4+ 8	LRL EXPT	PR	122	1631 61	KENNY+ DOUBL.DIFF.SIGMA TBL/CURVE	+
001 H 002	(G,MESON)	NDG	GER THEO	NP/A	225	99 69	FRANZEN IMPULSE APPROX.	
001 H 002	(G,N)	2.0+ 7	EXTH	PL/B	114	11 82	DE PASCALE+	
001 H 002	(G,N)	2.8+ 6	SCF EXPT	NP/A	465	429 87	SMIT+	+
001 H 002	(G,N)	4.0+ 6 1.8+ 7	EXPT	PR/C	35	2023 87	STEPHENSON+	
001 H 002	(G,N)	2.1+ 7 2.7+ 7	CCP EXPT	PR	109	1801 58	BARANOV+ DIFF.SIGMA CURVE	+
001 H 002	(G,N)	8.7+ 6	CCP EXPT	SNP	5	497 67	TUTAKIN ANG.DIST.PARAMETER	
001 H 002	(G,N)	1.0+ 7 9.5+ 7	SAS EXPT	NP/A	154	482 70	SHIN+ DIFF.SIGMA CURVE	+
001 H 002	(G,N)	4. + 6 2.0+ 7	ALB EXPT	PR/C	39	1147 89	KASSAE+ DIFF.SIGMA RATIO	
001 H 002	(G,N)	NDG	MNZ THEO	PR/C	42	846 90	ALVARADO+ CALC.DIFF. SIGMA CURVE	+
001 H 002	(G,N)	1.8+ 7 3.0+ 7	UK EXPT	NP/A	515	125 90	KELLIE+ ANGULAR COEFF.	
001 H 002	(G,N)	2. + 6 4.3+ 8	USA COMP	NP/A	112	503 68	LUCAS+ SIGMA CURVE	+
001 H 002	(G,N)	NDG	BLG THEO	NP/A	368	409 81	GOVAERTS+ SIGMA CURVE	+
001 H 002	(G,N)	2.8+ 6	NEG EXPT	PR/C	39	1247 89	MOREH+ ABSOLUTE SIGMA	+
001 H 002	(G,N)	2.0+ 7	EXPT	NP/A	343	121 80	DEL BIANCO+ BIDIMENSIONAL SPECT	
001 H 002	(G,N)	2.9+ 6	LRL EXPT	PR	124	830 61	JOHN+ POLARIZATION	
001 H 002	(G,N)	1.2+ 7 2.3+ 7	UI EXPT	PR	130	1131 63	FREDERICK POLARIZATION	
001 H 002	(G,N)	2.8+ 6	LRL EXPT	PR	139	871 65	JEWELL+ PHOTO-N POLARIZATION	
001 H 002	(G,N)	6. + 6 1.3+ 7	EXPT	PRL	50	577 83	HOLT+ NEUTRON POLARIZATION	
001 H 002	(G,N)	NDG	GER THEO	PR/C	40	531 89	ALVARADO+ POLARIZATION EFFECT	
001 H 002	(G,N)	7. + 6 3.0+ 7	YAL EXPT	NP/A	194	49 72	NATH+ POLARIZATION	
001 H 002	(G,NP)	NDG	CCP EXPT	SNP	43	499 86	BRATASHEVSKII+ POLARIZATION	
001 H 002	(G,NP)	7. + 8 1. + 9	CCP EXPT	SNP	44	619 86	BRATASHEVSKII+ POLARIZATION	
001 H 002	(G,P)	8.0+ 7 6.0+ 8	EXTH	YP	35	1073 82	GORBENKO+	
001 H 002	(G,P)	8.0+ 7 6.0+ 8	EXTH	NP/A	381	330 82	GORBENKO+	
001 H 002	(G,P)	1.9+ 8 4.3+ 8	EXPT	PR/C	35	1828 87	KANAZAWA+	
001 H 002	(G,P)	1.7+ 8 2.1+ 8	FRA EXPT	PRL	59	2543 87	SANDRI+	
001 H 002	(G,P)	9. + 6 2.3+ 7	PEN EXPT	PR	109	2072 58	WHESTONE+ DIFF.SIGMA CURVE	+
001 H 002	(G,P)	2.5+ 7 5.5+ 7	YAL EXPT	NP/A	174	129 71	WEISSMAN+ DIFF.SIGMA CURVE	+
001 H 002	(G,P)	2.0+ 8 4.4+ 8	GER THEO	NP/A	302	25 81	ARENHOEVEL DIFF.SIGMA CURVE	+
001 H 002	(G,P)	NDG	BON EXPT	NP/A	412	509 84	ARENDS+ ANG.DIST.SIGMA TBL	
001 H 002	(G,P)	1.0+ 8 2.6+ 8	FRA EXPT	PR/C	34	413 86	GUARALDO+ SANGLE SIGMA	+
001 H 002	(G,P)	9.8+ 7 2.4+ 8	FRA EXPT	PR/C	39	1701 89	LEVI SANDRI+ ANG.DIST. CURVE	+
001 H 002	(G,P)	2.0+ 7 4.4+ 8	ITY EVAL	PR/C	40	2412 89	ROSSI+ DIFF.SIGMA CURVE	+
001 H 002	(G,P)	7. + 6 1.9+ 7	BLG EXPT	NP/A	530	420 91	GRAEVE+ DIFF.SIGMA TABLE/CURVE	+
001 H 002	(G,P)	1.7+ 7 2.5+ 7	USA EXPT	NP/A	201	593 73	BAGLIN+ GAMMA PLOT	+
001 H 002	(G,P)	1.7+ 7 2.8+ 7	SAS EXPT	PR/C	9	531 74	SKOPIK+ DEDUCED SIGMA TBL	+
001 H 002	(G,P)	6.0+ 8	EXPT	JEL	32	387 80	GORBENKO+ ASYMMETRY,MAG.SPECT	
001 H 002	(G,P)	4.0+ 7 7.0+ 7	EXPT	YP	38	1108 83	BARANNIK+ SIGMA ASYMMETRY PARAM	+
001 H 002	(G,P)	3.0+ 7 1.4+ 8	WAU THEO	PR/C	38	1584 88	YING+ DIFF. SIGMA CURVE	+
001 H 002	(G,P)	2.0+ 7 4.4+ 8	ITY EVAL	PR/C	40	2412 89	ROSSI+ SIGMA CURVE	
001 H 002	(G,P)	1.9+ 8 4.3+ 8	TOK EXPT	PRL	52	2536 84	HOMMA+ AT 30DEG.,DIFF.SIGMA CURV	+
001 H 002	(G,P)	6.5+ 7	POL THEO	PR	110	900 58	CZYZ+ NUCLEON POLARIZATION	
001 H 002	(G,P)	1.7+ 8 2.2+ 8	CCP EXPT	SNP	51	999 90	AVAKYAN+ POLARIZATION	

ELEMENT Z S A	QUANTITY	ENERGY(CEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
001 H 002	(G,P)	2.9+	8	EXPT	PR	131	1844	63	58DEG.SIGMA
001 H 002	(G,P)	NDG		JPN EXPT	NIM	105	211	72	KUSUHARA PROTON SPECT.CURVE
001 H 002	(G,P)	NDG		ANL THEO	PR/C	41	2400	90	HOLT
001 H 002	(G,PION)	NDG		FR THEO	NIM	115	563	74	BLUM+ 3-BODY ANALYSIS
001 H 002	(G,PION)	3.5+	8	STF EXPT	PR	106	818	57	HAGERMAN+ ANGL.DISTRIBUT.OF PION
001 H 002	(G,PION)	5.0+	8	USA EXPT	PR	119	1726	60	NEUGEBAUER+ DIFF.SIGMA CURVE
001 H 002	(G,PION)	2.0+	8	FR EXPT	PR	137	8119	65	DAVIER+ SIGMA CURVE & TBL
001 H 002	(G,PION)	2.0+	8	CCP THEO	SNP	34	373	81	ZAYATS+ DIFF.SIGMA CURVE
001 H 002	(G,PION)	3.0+	8	SAC EXPT	NP/A	424	383	84	FAURE+ ANG.DIST.SIGMA TBL
001 H 002	(G,PION)	1.7+	8	STF EXPT	PR	132	2735	63	PINE+ YIELD RATIO
001 H 002	(G,PION)	1.7+	8	FR EXPT	PR	132	447	63	BURG+ PRODUCTION RATIO
001 H 002	(G,PION)	NDG		CAL EVAL	PR	109	2117	58	BANDTEL+ NEGATIV.PION PRODUCT.
001 H 002	(G,PION)	2.9+	8	MIT EXPT	PR	113	1141	59	LAND CHARGED PION PRODUCT.
001 H 002	(G,PION)	1.4+	8	UI EXPT	PR	120	1468	60	ODIAN+ NEUTRAL PI PRODUCT.
001 H 002	(G,PION)	NDG		CCP THEO	NP	40	44	63	BALDIN+ PION PRODUCT.
001 H 002	(G,PION)	1.5+	8	LRL EXPT	PR	137	8188	65	SWANSON+ EVENT CURVE
001 H 002	(G,PION)	1.0+	8	SAC EXPT	PR/C	16	1517	77	AUDIT+ PHOTOPRODUCT YIELDS
001 H 002	(G,PION)	3.5+	8	SAC EXPT	PR/C	34	2217	86	AUDIT+ YIELD CURVE
001 H 002	(G,PION)	1.9+	8	EXPT	PR/C	35	1828	87	KANAZAWA+
001 H 002	(G,PION)	NDG		HRV THEO	NP	5	557	58	GOTTFRIED NUCL.PAIR CORRELAT.FUNC
001 H 002	(G,PION)	2.5+	8	COR EXPT	PR	99	268	55	WOLFE+ DIFF.SIGMA TBL/CURVE
001 H 002	(G,PION)	2.4+	8	GER EXPT	2P	259	51	73	HOLTEY+ DIFF.SIGMA TABLE/CURVE
001 H 002	(G,PION)	NDG		CCP THEO	SNP	52	464	90	STOLENTNII+ POLARIZATION EFFECT
001 H 002	(G,PION)	2.7+	8	COR EXPT	PR	99	273	55	DAVIS+ NEUTRAL PION,ELAST.PRODUCT
001 H 002	(G,PION)	3.0+	8	USA EXPT	PR	103	1549	56	KECK+ NEUTRAL PION PRODUCT.
001 H 002	(G,SCATTERING)	1.0+	8	WAS THEO	PR	108	1032	57	CAPS CAL.DIFF.SIGMA CURVE
001 H 002	(G,SCATTERING)	1.0+	8	LRL THEO	PR	106	1031	57	CAPS CAL.DIFF.SIGMA CURVE
001 H 002	(G,SCATTERING)	5.0+	7	MIT EXPT	PR	105	982	57	PUGH+ SIGMA CURVE
001 H 002	(G,SCATTERING)	5.0+	7	COR THEO	PR	119	377	60	SCHULT+ SIGMA TBL & CURVE
001 H 002	(G,X)	1.0+	8	USA THEO	NP/A	364	219	81	ANASTASIO+ DIFF.SIGMA CURVE
001 H 002	(G,X)	2.2+	9	SAC EXPT	NP/A	358	347	81	TAMAS DIFF. SIGMA CURVE
001 H 002	(G,X)	4.0+	8	CCP EXPT	SNP	41	888	85	AGABABYAN+ PROTON ANG.45 TO 95 DEG
001 H 002	(G,X)	2.0+	7	ALB THEO	PR/C	33	1823	86	RUSTGI+ ANGULAR DIST. PARAM.
001 H 002	(G,X)	1.6+	8	CAN THEO	PR	129	1334	63	MATSUMOTO SIGMA CURVE
001 H 002	(G,X)	6.0+	6	NEG EXPT	PR/C	32	1825	85	BIRENBAUM+ ABSOL.PHOTO.DISINT.CS
001 H 002	(G,X)	5.0+	7	CCP EXPT	SNP	47	581	88	VNUKOV+ DISINTEGRAT.SIGMA
001 H 002	(G,X)	1.0+	7	TMF THEO	PR/C	33	1830	86	THORLACIUS+ SIGMA CURVE
001 H 002	(G,X)	7.5+	7	STF EXPT	PR	138	81443	65	LIU PHOTODISINT.3Y POLARIZ.PROTON
001 H 002	(G,X)	1.7+	8	CCP EXPT	SNP	3	473	66	VARFOLOMEEV+ YIELD RATIO
001 H 002	(G,X)	2.0+	8	ITY EXPT	PR	154	988	67	BARBIELLINI+ POLARIZED G USED
001 H 002	(G,X)	NDG		MIT REVW	NP/A	358	325	81	HADJIMICHAEL+
001 H 002	(G,X)	2.0+	7	FRA EXPT	PR/C	32	1830	85	PASCAL+ ASYMMETRY FACTOR
001 H 002	(G,X)	1.9+	8	EXPT	PR/C	35	1828	87	KANAZAWA+
001 H 002	(G,2P)	2.8+	8	GER EXPT	NP/A	459	557	86	BUCK+
001 H 002	(G,2P)	2.8+	8	GER EXPT	NP/A	459	573	86	DOUGAN+ DIFF.SIGMA TABLE
001 H 002	(E,DISINTEGR.)	7.4+	7	SWD EXPT	2P/A	280	341	77	BRAESS DISPERSION RELATION
001 H 002	(E,DISINTEGR.)	NDG		GER THEO	2P	184	241	65	PLATCHKOV+ DIFF.SIGMA TABLE
001 H 002	(E,ELASTIC)	2.0+	8	SAC EXPT	NP/A	510	740	90	SCHULZE+ 2PT.
001 H 002	(E,ELASTIC)	3.1+	8	ANL EXPT	PRL	52	597	84	PHENNEGER+ YIELD CURVE
001 H 002	(E,EN)	4.0+	6	USA EXPT	NP/A	219	589	74	ARENHOEVEL DIFF.SIGMA CURVE
001 H 002	(E,EP)	NDG		GER REVW	NP/A	358	263	81	

ELEMENT Z S A	QUANTITY	ENERGY (eV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
001 H 002	(E,EP)	NDG		CCP EXPT	SNP	22	121	75	ANTUFEV+ SIGMA RATIO CURVE	+
001 H 002	(E,EP)	5.0+ 8		SAC EXPT	NP/A	365	349	81	BERNHEIM+ ABSOLUTE SIGMA	+
001 H 002	(E,EP)	7.5+ 8	4.0+ 9	CAL REVW	NP/A	497	413	89	BECK DIFF-SIGMA CURVE	+
001 H 002	(E,INELASTIC)	2.0+ 8	9.5+ 8	STF EXPT	PR	134	B848	64	VRIES+ DIFF-SIGMA TBL	+
001 H 002	(E,INELASTIC)	NDG		STF EXPT	PR	139	B458	65	HUGHES+ SIGMA RATIO, N FORM FACTOR	
001 H 002	(E,INELASTIC)	5.6+ 7		EXPT	PR/C	21	1162	80	JONES+ MAGNETIC SPECTROMETER	
001 H 002	(E,INELASTIC)	8. + 9	2.5+ 9	STF EXPT	PRL	52	727	84	ARNOLD+	
001 H 002	(E,INELASTIC)	NDG		NED REVW	NP/A	527	170	91	STEENHOVEN+ QUASI-FREE SCATT.	
001 H 002	(E,INELASTIC)	NDG		USA THEO	PR	115	1020	59	DURAND III E-D INELASTIC SCATT.	+
001 H 002	(E,INELASTIC)	3.0+ 8	6.5+ 8	STF EXPT	PR	118	831	60	SOBOTKA DOUBL.DIFF-SIGMA TBL/CRV	+
001 H 002	(E,INELASTIC)	NDG		ALA THEO	PR/C	41	828	90	DYMARZ+ CALCULATED SIGMA CURVE	+
001 H 002	(E,INELASTIC)	NDG		CAN THEO	PR/C	41	828	90	DYMARZ+ DOUBL.DIFF-SIGMA CURVE	+
001 H 002	(E,INELASTIC)	NDG		CCP THEO	2P/A	335	431	90	SARGSYAN+ NEUTRON FORM FACTOR	
001 H 002	(E,INELASTIC)	NDG		COR EXPT	PR	135	B810	64	AKERLOF+ NEUTRON FORM FACTOR	
001 H 002	(E,INELASTIC)	3.5+ 8		FR EXPT	NP/A	70	401	65	BOUNIN+ FORM FACTOR	
001 H 002	(E,INELASTIC)	3.8+ 8		EXPT	PR/C	27	71	83	DUNN+ MAGNETIC FORM FACTOR	
001 H 002	(E,P)	1.7+ 7	2.8+ 7	SAS EXPT	PR/C	9	531	74	SKOPIK+ DIFF-SIGMA CURVE	+
001 H 002	(E,P)	3.1+ 7	1.1+ 8	SAS EXPT	NP/A	218	43	74	CHONG+ DOUBLE DIFF-SIGMA CURVE	+
001 H 002	(E,PION)	1.1+ 9	1.3+ 9	SYF EXPT	PR	120	584	60	OHLSEN+ DIFF-SIGMA TBL & CURVE	+
001 H 002	(E,PION)	NDG		EXPT	PL/B	188	181	87	MOSTOVOY+	
001 H 002	(E,PN)	NDG		SAC REVW	NP/A	446	151	85	PLATCHKOV	
001 H 002	(E,SCATTERING)	1.9+ 8		STF EXPT	PR	98	158	55	MCINTYRE+ DIFF-SIGMA CURVE	+
001 H 002	(E,SCATTERING)	1.9+ 8	3.5+ 8	STF THEO	PR	102	1586	56	JANKUS DIFF-SIGMA CURVE	+
001 H 002	(E,SCATTERING)	4.0+ 8		STF EXPT	PR	106	1074	57	MCINTYRE+ NEUTRON-PROTON POTENTIAL	
001 H 002	(E,SCATTERING)	3.1+ 8	6.0+ 8	STF THEO	PR	112	618	58	GOLDBERG CAL-DIFF-SIGMA CURVE	+
001 H 002	(E,SCATTERING)	1.8+ 8		STF EXPT	PR	116	1257	59	FRIEMAN DIFF-SIGMA CURVE	+
001 H 002	(E,SCATTERING)	5.0+ 8		STF EXPT	PR	127	613	62	CROISSIAUX CAL-SIGMA CURVE	+
001 H 002	(E,SCATTERING)	NDG		STF THEO	PR	134	B773	64	GINSBERG+ NUCL.SIZE,MAG-EFFECT	
001 H 002	(E,SCATTERING)	3.0+ 8	6.0+ 8	PUP EXPT	PR/C	38	800	88	DYTMAN+ SIGMA CURVE	+
001 H 002	(E,SCATTERING)	NDG		USA THEO	PR	104	800	56	VALK+ ELECTRON-DEUTERON SCAT.	
001 H 002	(E,SCATTERING)	NDG		USA THEO	PR	104	249	56	BERNSTEIN ELECTROMAGNETIC PROPERT	
001 H 002	(E,SCATTERING)	NDG		USA THEO	PR	105	763	57	NEWTON ELECTRON SCATT.	
001 H 002	(E,SCATTERING)	NDG		BNL THEO	PR	123	1393	61	DURANDIII INLEASTIC SCATT.	
001 H 002	(E,SCATTERING)	NDG		GER THEO	ZP	185	382	65	SCHILDKENCHT POLARIZATION EFFECT	
001 H 002	(E,SCATTERING)	NDG		SAS THEO	CJP	52	1322	74	BRADY+ FORM FACTOR	
001 H 002	(E,SCATTERING)	NDG		CCP EXPT	SNP	24	237	76	BUKI+ FISS. NEUTRON YIELD	
001 H 002	(E,SCATTERING)	1.9+ 8	4.0+ 8	STF EXPT	PR	103	1464	56	MCINTYRE+ DEUTERON CHARGE DIST.	+
001 H 002	(E,X)	1. + 6	3.4+ 7	STF EXPT	PR	97	1071	55	BARBER IONIZATION SIGMA CURVE	+
001 H 002	(E,X)	NDG		CAN EXPT	PR/C	1	391	70	RICCO+ DOUBLE DIFF-SIGMA CURVE	+
001 H 002	(E,X)	NDG		FR THEO	NP/A	449	683	86	CHEMTOB+ ELECTRODISINT.	
001 H 002	(E,X)	NDG		UK THEO	PR	130	2495	63	NUTTALL+ FORM FACTOR	
001 H 002	(E,X)	5. + 8	4.0+ 9	INU THEO	PR/C	33	1381	86	HWANG+ ELECTRODISINT.	+
001 H 002	(N,G)	9. + 6	1.4+ 6	TNL EXPT	PR	34	389	86	MITEV+ 90DEG. SIGMA	+
001 H 002	(N,G)	1.4+ 7		YUG EXPT	PR	124	1947	61	CERINEO+ SIGMA VALUE	+
001 H 002	(N,G)	2.5- 2		STF THEO	PR	136	B388	64	RADHA+ CAL-SIGMA VALUE	+
001 H 002	(N,G)	2.5- 2		CRL EXPT	NSE	28	286	67	MERRITT+ ABSOLUTE COUNTING METHOD	+
001 H 002	(N,G)	2.5- 2		CRL EVAL	NSE	34	195	68	MERRITT+ REVISED VALUE	+
001 H 002	(N,G)	PILE		JAE EXPT	NIM	109	493	73	ISHIKAWA SIGMA VALUE	+
001 H 002	(N,G)	2.5- 2		AML THEO	PR/C	9	1790	74	MCKELLAR ANALYSIS	
001 H 002	(P,G)	9.9+ 7	2.0+ 8	INU EXPT	PR/C	35	37	87	PICKAR+	+
001 H 002	(P,G)	2.5+ 6	3.5+ 6	USA EXPT	NP/A	96	397	67	GELLER+ DIFF-SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA	
		MIN	MAX		REF	VOL	PAGE			YEAR
001 H 002	(P,G)	1.6+	8	FR EXPT	NP/A	139	69	DIDELEZ+ DIFF.SIGMA TABLE	+	
001 H 002	(P,G)	1.8+	7	FR EXPT	NP/A	143	602	DIDELEZ+ DIFF.SIGMA	+	
001 H 002	(P,G)	6.5+	6	DKE EXPT	PRL	51	877	KING+ A2 COEF. TBL	+	
001 H 002	(P,G)	7.5+	6	MCM EXPT	PR/C	38	2503	VERTERLI+ ANGULAR DIST.SIGMA	+	
001 H 002	(P,G)	2.8+	5	6 CRL EXPT	CJP	40	402	GRIFFITHS+ SIGMA VALUE/TABLE	+	
001 H 002	(P,G)	2.4+	4	4 CAN EXPT	CJP	41	724	GRIFFITHS+ SIGMA CURVE/TABLE	+	
001 H 002	(P,G)	7.+	6	1.5+ 7	PR/C	19	601	SKOPIK+ TOTAL SIGMA & ANG.DIST.	+	
001 H 002	(P,G)	1.8+	7	4.3+ 7	NP/A	410	173	ANGHINOLFI+ SIGMA CURV,LEGE.COETBL	+	
001 H 002	(P,G)	5.7+	4	1.5+ 6	CJP	48	3059	BAILEY+ SIGMA CURVE	+	
001 H 002	(D,G)	5.0+	4	5.0+ 5	PL/B	197	315	BARNES+	+	
001 H 002	(D,G)	6.+	6	1.9+ 7	STF EXPT	NP/A	131	489	MEYERHOF+ DIFF.SIGMA TABLE/PLOT	+
001 H 002	(D,G)	6.1+	6	1.2+ 7	CAN EXPT	NP/A	199	517	POUTISSOU+ DIFF.SIGMA	+
001 H 002	(D,G)	1.0+	7	WIS THEO	PR/C	34	2043	MELLEMA+ ANG.DIST. COEFF.	+	
001 H 002	(D,G)	9.5+	7	INU EXPT	PR/C	39	1679	PITTS+ ANG. DIST. CURVE	+	
001 H 002	(D,G)	8.+	5	2.3+ 6	PEN EXPT	PR	132	751	ZURMUEHLE+ SIGMA PLOTS	+
001 H 002	(D,G)	7.+	5	4.5+ 6	TNL EXPT	PR/C	34	32	WELLER+ INTEGRAL SIGMA CURVE	+
001 H 002	(D,G)	5.0+	4	1.5+ 5	CSM EXPT	PR/C	31	2036	WILKINSON+ BRANCHING RATIO	+
001 H 002	(H,G)	2.+	6	5.5+ 6	FR EXPT	NP/A	109	593	KRAUS+ DIFF.SIGMA CURVE	+
001 H 002	(H,G)	2.+	6	2.6+ 7	STF EXPT	NP/A	178	337	KING+ DIFF.SIGMA PLOT	+
001 H 002	(A,G)	1.+	6	3.+ 7	GER EVAL	2P/A	325	193	LANGANKE+ CALCUL.SIGMA CURVE	+
001 H 002	(A,G)	5.8+	6	8.0+ 6	CAN EXPT	NP/A	238	176	BARRETTE+ PARTICLE WIDTH	+
003 H 003	(G,D)	1.5+	7	3.6+ 7	SAS EXPT	PR/C	24	1791	SKOPIK+ TOTAL SIGMA CURVE	+
003 H 003	(G,D)	NDG		USA THEO	PR	106	1256	RUSTGI+ SIGMA FORMULA	+	
003 H 003	(G,D)	NDG		USA THEO	PR	127	1663	MATHUR+ ELECTRIC-DIPOLE BREMS.	+	
003 H 003	(G,D)	1.+. 6	1.5+ 7	AUL THEO	NP	29	268	DELVES+ CAL.SIGMA CURVE	+	
003 H 003	(G,D)	6.+. 6	3.0+ 7	IND THEO	NP/A	168	314	RAHMAN+ SIGMA CURVE	+	
003 H 003	(G,N)	7.+. 6	2.6+ 7	CCP THEO	NP/A	98	437	FETISOV+ SIGMA CURVE	+	
003 H 003	(G,N)	5.+. 6	3.0+ 7	EXPT	PRL	44	129	FAUL+ 4PAI.CS PHOTODISINTEGPECT	+	
003 H 003	(G,N)	6.+. 6	2.6+ 7	CRD EXTH	PR/C	24	849	FAUL+ SIGMA CURVE	+	
003 H 003	(G,N)	NDG		BLG THEO	NP/A	368	409	GOVAERTS+ SIGMA CURVE	+	
003 H 003	(G,N)	NDG		UEN THEO	PR/C	38	1139	WACHTER+ INTEGRATED SIGMA CURVE	+	
003 H 003	(G,P)	1.0+	7	3.0+ 7	LRL THEO	NP/A	111	569	GIBSON+ SIGMA CURVE	+
003 H 003	(G,P)	NDG		UEN THEO	PR/C	38	1139	WACHTER+ INTEGRATED SIGMA CURVE	+	
003 H 003	(G,X)	NDG		LAS THEO	PR/C	11	29	GIBSON+ PHOTODISINT.SIGMA CURVE	+	
003 H 003	(G,X)	5.+. 6	4.0+ 7	CCP THEO	SNP	4	513	FETISOV+ SIGMA CURVE	+	
003 H 003	(G,2N)	5.+. 6	3.0+ 7	EXPT	PRL	44	129	FAUL+ 4PAI.CS PHOTODISINTEGPECT	+	
003 H 003	(E,ELASTIC)	6.+. 6	2.6+ 7	CRD EXTH	PR/C	24	849	FAUL+ SIGMA CURVE	+	
003 H 003	(E,ELASTIC)	1.1+	8	6.8+ 8	STF EXPT	PR	138	B57	COLLARD+ DIFF.SIGMA TBL	+
003 H 003	(E,ELASTIC)	NDG		SAC REVW	NP/A	446	151	PLATCKOV	+	
003 H 003	(E,INELASTIC)	2.5+	8	4.0+ 8	STF EXPT	PR	151	841	HUGHES+ DOUBL.DIFF.SIGMA TBL/CURVE	+
003 H 003	(E,P)	NDG		STF THEO	PR	135	B1161	GRIFFY+ DOUBL.DIFF.SIGMA CURVE	+	
003 H 003	(E,SCATTERING)	NDG		USA THEO	PR/C	3	1827	LEHMAN+ DOUBL.DIFF.SIGMA CURVE	+	
003 H 003	(E,SCATTERING)	NDG		CRD THEO	NP/A	165	475	KHANNA+ CHARGE FORM FACTOR	+	
003 H 003	(E,X)	4.0+	8	USA THEO	PR	130	2080	HAYBRON+ DIFF.SIGMA CURVE	+	
003 H 003	(N,G)	NDG		UEN THEO	PR/C	38	1139	WACHTER+ SIGMA CURVE	+	
003 H 003	(P,G)	4.+. 6	1.1+ 7	7 HAR EXPT	NP	33	102	GEMMELL+ DIFF.SIGMA CURVE	+	
003 H 003	(P,G)	3.+. 6	1.8+ 7	STF EXPT	NP/A	148	211	MEYERHOF+ DIFF.SIGMA TABLE	+	
003 H 003	(P,G)	1.7+	7	3.1+ 7	EXTH	PRL	243	80	MCBROOM+ ASYMMETRY IN ANG.DIST	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
001 H 003	(P,G)	2.0+	6 9.0+	6 DKE EXPT	PR/C	39	352 89	WAGENAAR+ ANG.DIST.,ANALYS.POWER	+
001 H 003	(P,G)	2.0+	6 1.5+	7 USA EXPT	PR/C	42	R1167 90	FELDMAN+ SIGMA CURVE	+
001 H 003	(P,G)	1.0+	5 6.2+	6 LRL EXPT	PR	99	1368 55	PERRY+ SIGMA CURVE	+
001 H 003	(P,G)	2.0+	7 3.1+	7 USA COMP	NP/A	134	161 69	CRONE+ SIGMA RATIO	+
001 H 003	(P,G)	8.3+	6 1.4+	7 STF EXPT	PR/C	28	483 83	CALARCO+ SIGMA AT 90DEG,	+
001 H 003	(P,G)	NDG		UEN THEO	PR/C	38	1139 88	WACHTER+ SIGMA CURVE	+
001 H 003	(P,G)	2.0+	6 1.5+	7 DKE EXPT	PR/C	42	1167 90	FELDMAN+ SIG.CURV.&(G,P)/(G,N)RATI	+
001 H 003	(P,G)	4.6+	5 9.3+	5 EXTH	CJP	58	1496 80	DEL BIANCO+ TOF/LONG NAI	+
001 H 003	(P,G)	NDG		USA THEO	NP/A	359	365 81	HALDERSON+ SIGMA CURVE	+
001 H 003	(D,G)	2.5+	4 1.0+	5 CCP EXPT	SNP	10	127 70	BEZOTQSNYI+ GAMMA YIELD	+
001 H 003	(D,G)	1.6+	5	LRL EXPT	PR	98	1305 55	SAWYER+ GAMMA YIELD	+
001 H 003	(A,G)	7.0+	5 2.0+	6 POL EXPT	NP/A	473	179 87	BURZYNSKI+ SIGMA CURVE	+
001 H 003	(A,G)	4.8+	5 1.3+	6 USA EXPT	PR	113	1556 59	HOLMGREN+ SIGMA CURVE	+
001 H 003	(A,G)	0	7.0+	6 USA THEO	PR	131	2582 63	TOMBRELLD+ SIGMA CURVE	+
001 H 003	(A,G)		3.0+	6 JPN THEO	NP/A	460	559 86	KAJINO CALCUL. SIGMA	+
001 H 003	(A,G)	8.0+	4 5.0+	5 GER EXPT	2P/A	330	277 88	ALTMAYER+ BRANCHING RATIO	+
001 H 003	(A,G)	NDG		LRL THEO	PR/C	40	525 89	KAJINO+ BRANCHING RATIO	+
002 HE 000	(G,DISINTEGR.)	2.8+	8	UI EXPT	PR	106	530 57	RUSTGI+ SIGMA VALUE	+
002 HE 000	(G,DISINTEGR.)	1.7+	8	8 MIT EXPT	PR	110	1143 58	BARTON+ N-P PAIRS	+
002 HE 000	(G,N)		3.4+	8 UK EXPT	NP/A	87	843 55	DESAUSSUR+ DIFF.SIGMA CURVE	+
002 HE 000	(G,P)		3.3+	8 UK EXPT	NP/A	87	131 66	THOMAS+ RELATIVE YIELD	+
002 HE 000	(G,P)		3.3+	8 UK EXPT	NP/A	87	131 66	THOMAS+ RELATIVE YIELD	+
002 HE 000	(G,PION +)		3.2+	8 UK EXPT	NP/A	87	121 66	LAWSON+ DIFF.SIGMA CURVE	+
002 HE 000	(G,PION 0)	1.4+	8 1.7+	8 UI EXPT	PR	120	1468 60	ODIAN+ NEUTRAL PI PRODUCT.	+
002 HE 000	(G,X)	1.7+	8 3.4+	8 MIT EXPT	PR	99	843 55	DESAUSSUR+ DIFF.SIGMA CURVE	+
002 HE 000	(E,ABSORPTION)	NDG		IND THEO	PR	129	717 63	RUSTGI+ INTEGRATED SIGMA	+
002 HE 000	(E,ELASTIC)	1.0+	5 4.5+	5 USA EXPT	PR	110	670 58	ALLISON ELECTRON LOSS SIGMA	+
002 HE 000	(E,INELASTIC)	2.0+	2 2.0+	1 CAN THEO	CJP	68	104 90	PLENKIEWICZ+ TOT.ELECT.SIGMA	+
002 HE 000	(E,INELASTIC)	5.0+	1 5.0+	3 CAN THEO	CJP	51	311 73	OJHA+ SIGMA CURVE	+
002 HE 000	(E,SCATTERING)	7.3+	8	NBS EXPT	PRL	53	1627 84	O'CONNELL+ AT 37.1DEG.,SIGMA CURV	+
002 HE 000	(E,SCATTERING)	5.0+	4	GER EXPT	2P	236	321 70	KECK+ ANGL.DIST.& ENERGY LOSS	+
002 HE 000	(E,SCATTERING)	1.0+	0 2.6+	1 CAN EXPT	CJP	50	23 72	COSTELLO+ TOT.SCATT.SIGMA	+
002 HE 000	(E,TOTAL)	1.5+	1 2.3+	1 CAN EXPT	CJP	50	1414 72	JADUSZLIWER+ TOTAL SIGMA	+
002 HE 000	(E,X)	2.5+	1 2.6+	2 GER EXPT	2P	244	254 71	EHRHARDT+ IONIZATION DIFF.SIGMA	+
002 HE 000	(E,X)	1.0+	6 3.4+	7 STF EXPT	PR	97	1071 55	BARBER IONIZATION SIGMA CURVE	+
002 HE 003	(G,D)	1.5+	8 3.0+	8 EXPT	PRL	49	187 82	BRISCOE+	+
002 HE 003	(G,D)	1.5+	8 3.5+	8 EXPT	PR/C	28	2234 83	SOBER+ DIF.SIGMA TBL, 20PT.	+
002 HE 003	(G,D)	5.0+	6 5.5+	7 USA THEO	PR	164	1354 67	KNIGHT+ TOTAL SIGMA CURVE	+
002 HE 003	(G,D)	1.3+	7 4.5+	7 SAS EXPT	NP/A	171	384 71	KUNDU+ SIGMA CURVE	+
002 HE 003	(G,D)	NDG		ANL THEO	PR/C	41	2400 90	HOLT	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
002 HE 003	(G,DISINTEGR.) CS	NDG		USA THEO	PR	106	1256	57 RUSTGI SIMA FORMULA	
002 HE 003	(G,DISINTEGR.) CS	8. + 6	3.0+ 7	USA EXPT	PR	144	834	66 GERSTENBERG+ SIGMA CURVE	+
002 HE 003	(G,DISINTEGR.) DD	45 +7	95 +7	USA EXPT	PR/C	44	37	91 KOLL+ DIFF.SIGMA TABLE	+
002 HE 003	(G,MESON) CS	4.0+ 8	8.0+ 8	SPN THEO	ZP/A	279	339	76 IBANEZ+ DOUBLE PION PRODUCT.SIGMA	+
002 HE 003	(G,N) AD	NDG		SAC EXPT	PR/C	44	R575	91 AUDIT+ DIFF.SIGMA	
002 HE 003	(G,N) CS	5. + 6	1.7+ 8	CCP EXPT	NP/A	71	305	65 FETISOV+ SIGMA TABLE	+
002 HE 003	(G,N) CS	1.7+ 8		CCP EXPT	SNP	3	473	66 VARFOLOMEEV+ SIGMA	+
002 HE 003	(G,N) CS	8. + 6	6.0+ 7	USA THEO	PR	164	1354	67 KNIGHT+ TOTAL SIGMA CURVE	+
002 HE 003	(G,N) CS	1. + 6	4.0+ 7	CCP THEO	NP/A	98	437	67 FETISOV SIGMA CURVE	+
002 HE 003	(G,N) CS	1.0+ 7	3.0+ 7	LRL THEO	NP/A	111	569	68 GIBSON+ SIGMA CURVE	+
002 HE 003	(G,N) CS	NDG		MIT THEO	PR/C	1	165	70 BARBOUR+ CAL.SIGMA CURVE	+
002 HE 003	(G,N) CS	7.7+ 6	3.0+ 7	CRD EXPT	PR/C	10	2221	74 BERMAN+ SIGMA CURVE	+
002 HE 003	(G,N) CS	4.0+ 7	LRL THEO	PR/C	13	477	76 GIBSON+ 3-BODY PHOTODISINT.	+	
002 HE 003	(G,N) CS	6. + 6	2.6+ 7	CRD EXTH	PR/C	24	849	81 FAUL+ SIGMA CURVE	+
002 HE 003	(G,P) AD	2.0+ 8	5.0+ 8	ITY EXPT	NP/A	157	190	70 PICOZZA+ DIFF.SIGMA TABLE & CURVE	+
002 HE 003	(G,P) AD	1.6+ 7	2.7+ 7	GER EXPT	ZP	238	56	70 BOCK+ ANGL.DIST. CURVE	+
002 HE 003	(G,P) AD	1.7+ 8	3.7+ 8	SAC EXPT	NP/A	237	447	75 ARGAN+ SIGMA CURVE & TBL	+
002 HE 003	(G,P) AD	2.0+ 8	4.5+ 8	GER EXPT	ZP/A	303	35	85 GASSEN+ DIFF.SIGMA CURVE	+
002 HE 003	(G,P) AD	1.0+ 7	3.0+ 8	CCP THEO	SNP	51	645	90 KOTLYAR+ DIFF.SIGMA CURVE	+
002 HE 003	(G,P) AD	3.0+ 8	CCP EXPT	SNP	52	836	90 KOTLYAN+ DIFF.SIGMA CURVE	+	
002 HE 003	(G,P) CS	6.1+ 6	7.1+ 6	CAN EXPT	PR	132	1691	63 WARREN+ SIGMA PLOTS	+
002 HE 003	(G,P) CS	5. + 6	1.7+ 8	CCP EXPT	NP/A	71	305	65 FETISOV+ SIGMA TABLE	+
002 HE 003	(G,P) CS	1.7+ 8		CCP EXPT	SNP	3	473	66 VARFOLOMEEV+ SIGMA	+
002 HE 003	(G,P) CS	4.0+ 7	CAN THEO	NP/A	94	502	67 BAILEY+ SIGMA CURVE	+	
002 HE 003	(G,P) CS	NDG		MIT THEO	PR/C	1	165	70 BARBOUR+ CAL.SIGMA CURVE	+
002 HE 003	(G,P) CS	NDG		BLG THEO	NP/A	368	409	81 GOVAERTS+ SIGMA CURVE	+
002 HE 003	(G,P) DD	NDG		SAC REVW	NP/A	446	151	85 PLATCKOV	
002 HE 003	(G,P) YD	3.5+ 8		CCP EXPT	SNP	47	955	88 ZYBALOV+ POLARIZATION	+
002 HE 003	(G,PION) AD	1.8+ 8	2.6+ 8	UI EXPT	PR	141	889	66 O'FALLON+ DIFF.SIGMA TBL	+
002 HE 003	(G,PION) AD	1.8+ 8	2.5+ 8	USA THEO	PR	184	1226	69 JAIN CAL.DIFF.SIGMA CURVE	+
002 HE 003	(G,PION) AD	1.8+ 8	3.3+ 8	UI EXPT	PR	183	873	69 BLECHER+ DIFF.SIGMA TBL	+
002 HE 003	(G,PION) AD	2.3+ 8	4.5+ 8	FR EXPT	NP/A	251	433	75 BACHELIER+ DIFF.SIGMA CURVE	+
002 HE 003	(G,PION) CS	5. + 6	GER THEO	NP/A	364	189	81 TIATOR TOTAL SIGMA CURVE	+	
002 HE 003	(G,X) AD	4.0+ 7	1.5+ 8	USA EXPT	PR/C	5	1926	72 O'FALLON+ DIFF.SIGMA CURVE	+
002 HE 003	(G,X) AD	5. + 6	4.0+ 7	UK THEO	NP/A	211	533	73 HENDRY+ DIFF.SIGMA CURVE	+
002 HE 003	(G,X) AD	NDG		LAS THEO	PR/C	11	29	75 GIBSON+ PHOTODISINT.SIGMA CURVE	+
002 HE 003	(G,X) AD	NDG		GER THEO	NP/A	364	81	81 AUFLEGER+ PHOTODISINT.	+
002 HE 003	(G,X) AD	NDG		SAC REVW	NP/A	358	321	81 FAURE	
002 HE 003	(G,X) CS	8.5+ 6	4.6+ 7	YAL EXPT	PR	138	8372	65 STEWART+ TOT. & DIFF.SIGMA CURVE	+
002 HE 003	(G,X) CS	1.4+ 8		UI THEO	PR	168	1095	68 CARRON 2-BODY DISINT.SIGMA	+
002 HE 003	(G,X) DD	8.5+ 6	2.2+ 7	UI EXPT	PR	133	8117	64 BERMAN+ DOUBL.DIFF.SIGMA TBL	+
002 HE 003	(G,2P) CS	4.0+ 7	LRL THEO	PR/C	13	477	76 GIBSON+ 3-BODY PHOTODISINT.	+	
002 HE 003	(G,2P) CS	1.5+ 7	5.0+ 7	LRL THEO	PR/C	15	545	77 GIBSON+ EXACT 3-BODY CALC.	+
002 HE 003	(G,2P) CS	8.0+ 7	1.7+ 8	MIT EXPT	ZP/A	310	317	83 PERIDIER+ P1ANG=P2ANG=90DEG.	+
002 HE 003	(G,D) DD	4.3+ 7	1.0+ 8	SAS EXPT	PR/C	11	693	75 SKOPIK+ DD EXPT	+
002 HE 003	(E,DISINTEGR.) DD	NDG		NED THEO	PR/C	42	96	90 MEIJGAARD DIFF.SIGMA CURVE	+
002 HE 003	(E,DISINTEGR.) XX	NDG		NED THEO	PR/C	42	74	90 MEIJGAARD THEORETICAL ANALYSIS	+
002 HE 003	(E,E))	5.4+ 8		EXPT	SNP	45	91	87 AKHMEROV+	
002 HE 003	(E,E))	5.4+ 8	6.7+ 8	KFT EXPT	BAS	51	130	87 AKHMEROV+	
002 HE 003	(E,E))	5.4+ 8	4.0+ 7	UMA EXPT	PR/C	12	1118	75 KAN+ DD CURVE	+
002 HE 003	(E,ELASTIC) AD	1.1+ 8	6.8+ 8	STF EXPT	PR	138	857	65 COLLARD+ DIFF.SIGMA TBL	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
002 HE 003	(E,ELASTIC)	2.9+	7 9.5+	7 UMA EXPT	PR/C	15	1200	77	SZALATA+ CHARGE RADIUS	
002 HE 003	(E,ELASTIC)	1.7+	8 7.5+	8 UMA EXPT	PR/C	15	1396	77	MCCARTHY+ CHARGE&MAGNET.FORM FACT	
002 HE 003	(E,EP)	6.4+	8 8.1+	8 EXTH	YP	35	801	82	GOLDSTEIN+	
002 HE 003	(E,EP)	5.1+	8 5.3+	8 EXTH	PRL	49	974	82	JANS+	
002 HE 003	(E,EP)	3.9+	8	EXPT	PL/B	197	29	87	KEIZER+	
002 HE 003	(E,EP)	5.1+	8 5.3+	8 SAC EXPT	NP/A	475	687	87	JANS+	
002 HE 003	(E,EP)	6.4+	8 8.1+	8 CCP EXPT	NP/A	368	493	81	KOZLOVSKY+ DIFF. SIGMA	+
002 HE 003	(E,EP)	NDG		CCP COMP	SNP	17	142	73	TARTAKOVSKII+ DOUBL.DIFF.SIGMA CRV	+
002 HE 003	(E,EP)	9.5+	8 4.0+	9 CAL REVW	NP/A	497	413	89	BECK	
002 HE 003	(E,EP)	NDG		CCP THEO	SNP	18	409	74	TARTAKOVSKII PROTON SPECTRA	
002 HE 003	(E,EP)	NDG		NED REVW	NP/A	434	85	85	LAPIKAS	
002 HE 003	(E,INELASTIC)	2.5+	8 4.0+	8 STF EXPT	PR	151	841	66	HUGHES+ DOUBL.DIFF.SIGMA TBL/CURVE	+
002 HE 003	(E,INELASTIC)	1.0+	8 3.0+	8 MNZ EXPT	NP/A	412	294	84	KOEBESHAL+ DDX SIGMA CURV	
002 HE 003	(E,INELASTIC)	NDG		GER THEO	NP/A	360	208	81	TIATOR+	
002 HE 003	(E,INELASTIC)	NDG		USA EXPT	PR/C	44	R571	91	JONES-WOODWARD+ NEUT.FORM FACTOR	
002 HE 003	(E,INELASTIC)	NDG		CRL THEO	NP/A	97	417	67	KHANNA EFFECT OF SHORT-RANGE COR	R
002 HE 003	(E,MISCELLAN.)	1.0+	8	SAS EXPT	PR/C	28	52	83	SKOPIK+ MIS=D+E'+P	
002 HE 003	(E,P)	NDG		STF THEO	PR	135	B1161	64	GRIFFY+ DOUBL.DIFF.SIGMA CURVE	+
002 HE 003	(E,P)	NDG		SAC REVW	NP/A	446	151	85	PLATCHKOV	
002 HE 003	(E,PION +)	1.4+	8 2.0+	8 SAS THEO	CJP	55	2066	77	ASAI+ POSITIV.PION PRODUCT.	+
002 HE 003	(E,SCATTERING)	6.7+	8 1.1+10	8 GER THEO	NP/A	499	637	89	MEIER-HAJDUK+ DIFF.SIGMA CURVE	+
002 HE 003	(E,SCATTERING)	4.0+	7 6.1+	7 EXPT	PR/C	19	610	79	JONES+ ELA & INEL SIGMA AT 180D	
002 HE 003	(E,SCATTERING)	NDG		USA THEO	PR/C	3	1827	71	LEHMAN DOUBL.DIFF.SIGMA CURVE	+
002 HE 003	(E,SCATTERING)	NDG		USA THEO	NP/A	355	349	81	BIDASARIA+ DOUBL.DIFF.SIGMA CURVE	+
002 HE 003	(E,SCATTERING)	3.0+	8 6.0+	8 PUP EXPT	PR/C	38	800	88	DYTMAN+ SIGMA CURVE	+
002 HE 003	(E,SCATTERING)	NDG		CRC THEO	NP/A	165	475	71	KHANNA CHARGE FORM FACTOR	
002 HE 003	(E,X)	4.0+	8	USA THEO	PR	130	2080	63	HAYBRON DIFF.SIGMA CURVE	+
002 HE 003	(E,X)	NDG		CCP EVAL	SNP	16	277	73	KOZLOVSKII+ DIFF. SIGMA CURVE	+
002 HE 003	(E,X)	NDG		UBC THEO	PR/C	42	96	90	VAN MEIJGAARD+ BREAKUP ANALYSIS	
002 HE 003	(E,X)	6.0+	6 1.7+	7 DKE EXPT	SNP	16	287	73	BOITSOV+ FORM FACTOR	+
002 HE 003	(E,X)	3. +	6 5. +	6 PEN EXPT	PR/C	24	317	81	WARD+ INTEGRAL SIGMA CURVE	+
002 HE 003	(N,G)	2.5- 2		LRL EXPT	NP/A	59	81	64	ZURMUEHLE+ SIGMA VALUE	+
002 HE 003	(N,G)	2.5+	4	NED EXPT	NSE	102	428	89	IMHOF+ UPPER LIMIT OF SIGMA	+
002 HE 003	(N,G)	2.5- 2		LAS THEO	PR/C	42	830	90	WERVELMAN+ SIGMA VALUE	+
002 HE 003	(N,G)	2.5- 2	2.5+	4 NED EXPT	NP/A	526	265	91	CARLSON+ CALCULATED SIGMA	+
002 HE 003	(N,G)	NDG		USA THEO	PR/C	4	1	71	WERVELMAN+ SIGMA VALUE	+
002 HE 003	(D,G)	2. +	5 1.2+	6 GER EXPT	NP/A	112	47	68	WAGNER+ DIFF.SIGMA CURVE	+
002 HE 003	(A,G)	4.8+	5 1.3+	6 USA EXPT	PR	113	1556	59	BUSS+ SIGMA VALUE	+
002 HE 003	(A,G)	5. +	5 7.5+	6 USA THEO	PR	131	2582	63	HOLMGREN+ SIGMA CURVE	+
002 HE 003	(A,G)	4.2+	5 5.8+	6 USA EXPT	PR	131	2578	63	TOMBRELLO+ SIGMA CURVE	+
002 HE 003	(A,G)	1.6+	5 2.5+	5 USA EXPT	NP/A	128	325	69	PARKER+ SIGMA CURVE	+
002 HE 003	(A,G)	1.0+	5 1.7+	6 TAM THEO	PR/C	23	33	81	NAGATANI+ SIGMA PLOT	+
002 HE 003	(A,G)	1. +	5 4.0+	6 MIN THEO	PR/C	23	645	81	KIM+ TOTAL CAPT.SIGMA	+
002 HE 003	(A,G)	9.0+	5	LAS EXPT	PR/C	27	11	83	LIU+ SIGMA & BRANCH.RATIO	+
002 HE 003	(A,G)	5.5+	6 6.0+	6 EXPT	2P/A	310	91	83	ROBERTSON+ SIGMA=1.76+-11MICRO B	+
002 HE 003	(A,G)	5.3+	5	CRC EXTH	NP/A	427	526	84	VOLK+ INTEG.ABSOL.-SIGMA	+
002 HE 003	(A,G)	2.0+	5 3.3+	6 MIN THEO	NP/A	419	133	84	ALEXANDER+	
002 HE 003	(A,G)	1.7+	7 1.2+	8 CAL EXPT	NP/A	419	115	84	WALLISER+ SIGMA TBL	+
002 HE 003	(A,G)	1.0+	5 4.0+	6 BER THEO	PR/C	33	1561	86	OSBORNE+ SIGMA TBL	+
002 HE 003	(A,G)		3.0+	6 JPN THEO	NP/A	460	559	86	LIU+ SIGMA RATIO	+
002 HE 003	(A,G)								KAJINO CALCUL. SIGMA	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA	
		MIN	MAX		REF	VOL	PAGE YEAR			
002 HE 003	(A,G) CS	2.0+	5 6.9+	5 GER EXPT	ZP/A	329	243	88	HILGEMEIER+ ABSOLUTE SIGMA	+
002 HE 003	(A,G) YD	NDG		LRL THEO	PR/C	40	525	89	KAJINO+ BRANCHING RATIO	+
002 HE 004	(G,ABSORPTION) CS	NDG		USA EXPT	PR	124	1471	61	BAKER+ ABSORPT.SIGMA TBL	+
002 HE 004	(G,ABSORPTION) CS	2.6+	7 2.0+	8 DEN EVAL	NP	42	615	63	REITAN QUASI-D PRODUCT.SIGMA	+
002 HE 004	(G,ABSORPTION) CS	2.0+	7 1.1+	8 CCP EXPT	SNP	19	598	74	ARKATOV+ SIGMA CURVE	+
002 HE 004	(G,D) CS	1. + 6	4.0+ 7	USA THEO	NP/A	154	442	70	THOPSON CAL.SIGMA CURVE	+
002 HE 004	(G,D) CS	4. + 5	2.0+ 8	ITY THEO	NP/A	174	657	71	ERDAS+ CAL.SIGMA CURVE	+
002 HE 004	(G,D) CS	5.0+	7	EXPT	YF	31	297	80	ARKATOV+ ANG.DIST. OF PRODUCTS	+
002 HE 004	(G,D) CS	NDG		BLG THEO	NP/A	368	409	81	GOVAERTS+ SIGMA CURVE	+
002 HE 004	(G,DISINTEGR.) CS	NDG		AUL THEO	NP/A	113	376	68	LIM INTEGRATED SIGMA	+
002 HE 004	(G,DISINTEGR.) CS	2.4+	7 4.0+	8 PAK THEO	NP/A	141	664	70	AHMED+ PHOTODISINT.SIGMA CURVE	+
002 HE 004	(G,DISINTEGR.) CS	2.0+	7 1.6+	8 IND THEO	NP/A	195	636	72	ISLAM+ SIGMA CURVE	+
002 HE 004	(G,DISINTEGR.) ED	3.1+	7 5.1+	7 CCP THEO	SNP	53	228	91	NAGORNI+ COVARIANT APPROACH	+
002 HE 004	(G,HE-3) AD	1.5+	8	EXPT	PR/C	19	2091	79	PHILLIPS+ DIFF.SIGAMA RATIO	+
002 HE 004	(G,MISCELLAN.) CS	1.5+	8	EXPT	VAT/F	4	55	79	ARKATOV+ DIPOL & QUADRUPL. SIGMA	+
002 HE 004	(G,N) AD	2.7+	8 4.0+	8 SAC EXPT	NP/A	237	447	75	ARGAN+ SIGMA CURVE & TBL	+
002 HE 004	(G,N) AD	2.2+	7 3.2+	7 CAN EXPT	CJP	53	802	75	IRISH+ DIFF.SIGMA CURVE	+
002 HE 004	(G,N) AD	5.0+	7	EXPT	YF	31	297	80	ARKATOV+ ANG.DIST. OF PRODUCTS	+
002 HE 004	(G,N) AD	1.0+	8 3.6+	8 MIT EXPT	PR/C	33	50	86	SCHUMACHER+ DIFF. SIGMA	+
002 HE 004	(G,N) AD	2.1+	7 3.1+	7 USA EXPT	PR/C	42	R1167	90	FELDMAN+ SIGMA CURVE	+
002 HE 004	(G,N) CS	2.4+	7 3.2+	7 USA THEO	NP/A	111	321	68	GIBSON+ SIGMA CURVE	+
002 HE 004	(G,N) CS	3.0+	7 1.2+	8 CCP EXPT	SNP	9	271	69	ARKATOV+ TOTAL SIGMA	+
002 HE 004	(G,N) CS	2.0+	7 3.1+	7 LRL EXPT	PR/C	4	723	71	BERMAN+ SIGMA CURVE	+
002 HE 004	(G,N) CS	2.2+	7 3.5+	7 YAL EXPT	NP/A	179	791	72	BERMAN+ 90DEG.DIFF.SIGMA CURVE	+
002 HE 004	(G,N) CS	2.8+	7 3.1+	7 USA THEO	NP/A	195	449	72	GIBSON INTEGRAT.SIGMA TABLE	+
002 HE 004	(G,N) CS	2.2+	7 3.3+	7 CAN EXPT	PR/C	8	1211	73	IRISH+ 98DEG. DIFF.SIGMA CURVE	+
002 HE 004	(G,N) CS	2.0+	7 4.4+	7 CAN THEO	NP/A	235	1	74	CHUNG+ SIGMA CURVE	+
002 HE 004	(G,N) CS	5.0+	7 1.4+	8 CCP THEO	PR/C	10	1629	74	GARI+ INTEG.SIGMA TBL	+
002 HE 004	(G,N) CS	2.7+	7 3.0+	7 CCP EXPT	SNP	21	475	75	ARKATOV+ ANGL. & TOTAL SIGMA TBL	+
002 HE 004	(G,N) CS	6.0+	7 1.7+	8 GWU THEO	PR/C	14	1133	76	NOGUCHI+ PHOTODISINT.SIGMA	+
002 HE 004	(G,N) CS	1.5+	8	EXPT	VAT/F	4	55	79	ARKATOV+ DIPOL & QUADRUPL. SIGMA	+
002 HE 004	(G,N) CS	1.5+	8	EXPT	YF	31	1400	80	ARKATOV+ ELECT.DIPOLE & QUADRUPL.	+
002 HE 004	(G,N) CS	2.1+	7 4.7+	7 EXPT	PR/C	22	2273	80	BERMAN+ MONOCHRO. PHOTONS	+
002 HE 004	(G,N) CS	4.0+	7	UFT EXPT	SNP	49	767	89	VINOKUROV+ E1 SIGMA	+
002 HE 004	(G,N) XX	NDG		USA THEO	NP/A	359	365	81	HALDERSON+	+
002 HE 004	(G,N) YD	3.5+	7	CAN EXPT	PR/C	9	2060	74	IRISH+ RELATIVE YIELD	+
002 HE 004	(G,NP) AD	1.3+	8	CCP THEO	SNP	8	519	69	DZIBUTI+ DIFF.SIGMA CURVE	+
002 HE 004	(G,NP) CS	2.5+	7 1.3+	8 CCP EXPT	SNP	7	489	68	DZIBUTI+ SIGMA CURVE	+
002 HE 004	(G,P) AD	2.0+	8 5.0+	8 ITY EXPT	NP/A	157	190	70	PICOZZA+ DIFF.SIGMA TABLE & CURVE	+
002 HE 004	(G,P) AD	NDG		CCP EVAL	SNP	13	142	71	ARKATOV+ ASYMMETRY OF ANGUL.DIS.	+
002 HE 004	(G,P) AD	1.8+	8 3.2+	8 USA EXPT	PR/C	8	431	73	KIERGAN+ DIFF.SIGMA CURVE	+
002 HE 004	(G,P) AD	1.9+	8 4.2+	8 SAC EXPT	NP/A	237	447	75	ARGAN+ SIGMA CURVE & TBL	+
002 HE 004	(G,P) AD	3.1+	7 5.1+	7 EXPT	PR/C	19	2091	79	PHILLIPS+ DIFF.SIGAMA RATIO	+
002 HE 004	(G,P) AD	1.0+	8 3.6+	8 MIT EXPT	PR/C	33	50	86	SCHUMACHER+ DIFF. SIGMA	+
002 HE 004	(G,P) AD	2.1+	7 3.1+	7 USA EXPT	PR/C	42	R1167	90	FELDMAN+ SIGMA CURVE	+
002 HE 004	(G,P) AD	6.3+	7 7.1+	7 USA EXPT	PR/C	43	2052	91	JONES+ PARAM.FOR ANGL.DISTRIBUT.	+
002 HE 004	(G,P) CS	2.0+	7 3.2+	7 HAR EXPT	NP	33	102	62	GEMMELL+ DEDUCED SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
002 HE 004	(G,P)	4.4+	7 5.4+	7 GER EXPT	ZP	200	1	BUTTLAR+ SIGMA VALUE	+
002 HE 004	(G,P)	2.4+	7 5.0+	7 CCP EXPT	SNP	6	318	DENISOV+ SIGMA CURVE	+
002 HE 004	(G,P)	2.0+	7 8.0+	7 CCP EXPT	SNP	7	489	DZIBUTI+ SIGMA CURVE	+
002 HE 004	(G,P)	2.0+	7 4.0+	7 MIT THEO	PR	175	1350	HUEFNER+ CAL-SIGMA CURVE	+
002 HE 004	(G,P)	2.4+	7 3.2+	7 USA THEO	NP/A	111	321	GIBSON+ SIGMA CURVE	+
002 HE 004	(G,P)	2.3+	7 3.2+	7 GER EXPT	ZP	216	232	MUNDHENKE+ INTEGRAL SIGMA VALUE	+
002 HE 004	(G,P)	2.0+	7 4.0+	7 USA COMP	NP/A	134	161	CRONE+ SIGMA RATIO	+
002 HE 004	(G,P)	3.0+	7 3.1+	7 STF EXPT	NP/A	148	211	MEYERHOF+ TOTAL & E2 SIGMA	+
002 HE 004	(G,P)	2.8+	7 3.1+	7 USA THEO	NP/A	195	449	GIBSON INTEGRAT-SIGMA TABLE	+
002 HE 004	(G,P)	2.0+	7 4.4+	7 CAN THEO	NP/A	235	1	CHUNG+ SIGMA CURVE	+
002 HE 004	(G,P)	5.0+	7 1.4+	8 GER THEO	PR/C	10	1629	GARI+ INTEG-SIGMA TBL	+
002 HE 004	(G,P)	6.0+	7 1.7+	8 GWU THEO	PR/C	14	1133	NOGUCHI+ PHOTODISINT-SIGMA	+
002 HE 004	(G,P)	1.5+	8	EXPT	VAT/F	4	55	79 ARKATOV+ DIPOL & QUADRUPL-SIGMA	+
002 HE 004	(G,P)	1.5+	8	EXPT	YF	31	1400	80 ARKATOV+ ELECT-DIPOLE & QUADRUPL.	+
002 HE 004	(G,P)	2.9+	7 5.8+	7 ROM EXPT	PR/C	38	1990	88 BERNABEI+ SIGMA	+
002 HE 004	(G,P)	4.0+	7	UFT EXPT	SNP	49	767	89 VINOKUROV+ E1 SIGMA	+
002 HE 004	(G,P)	5.0+	7 3.5+	8 CAR THEO	PR/C	33	776	86 CHEUNG+ ENERG & ANG-DIST-CURVE	+
002 HE 004	(G,P)	3.1+	7 3.2+	7 ITY EXPT	PR	120	1302	60 MILONE FINE STRUCTURE OF SPECTRA	+
002 HE 004	(G,P)	2.8+	7 3.3+	7 GER EXPT	ZP	216	232	68 MUNDHENKE+ PROTON SPECTRUM	+
002 HE 004	(G,P)	5.0+	7 1.4+	8 KFT EXPT	SNP	38	165	83 ARKATOV+ P-MOMENTUM DIST-CURV	+
002 HE 004	(G,P)	1.9+	8 4.3+	8 TOK EXPT	PRL	52	2536	84 HOMMA+ AT 30DEG-DIFF-SIGMA CURV	+
002 HE 004	(G,P)	NDG		JPN EXPT	PR/C	36	1623	87 HOMMA+	+
002 HE 004	(G,P)	1.7+	8	CCP EXPT	SNP	12	123	71 ARKATOV+ POLARIZATION	+
002 HE 004	(G,P)	3.5+	8	CCP EXPT	SNP	47	955	88 ZYBALOV+ ELECT-DIPOLE & QUADRUPL.	+
002 HE 004	(G,P)	1.5+	8	EXPT	YF	31	1400	80 ARKATOV+ TIEGER+ DIFF-SIGMA CURV	+
002 HE 004	(G,P)	2.9+	8	USA EXPT	PRL	53	755	84 ANAN'IN+ DIFF. SIGMA	+
002 HE 004	(G,P)	1.9+	8 4.3+	8 CCP EXPT	SNP	41	883	85 ARKATOV+	+
002 HE 004	(G,P)	3.0+	7 1.5+	8 EXPT	YP	6	826	82 ARKATOV+	+
002 HE 004	(G,P)	1.5+	8	EXPT	YP	36	817	82 ARKATOV+	+
002 HE 004	(G,P)	2.8+	7 1.5+	8 EXTH	UF2	25	1975	80 ARKATOV+ ELECTROMAG-TRANSITIONS	+
002 HE 004	(G,P)	NDG		DEN EXPT	NP	37	279	62 REITAN CAL-DIRECT ABSORPT-SIGMA	+
002 HE 004	(G,P)	1.5+	8	EXPT	VAT/F	4	55	79 ARKATOV+ DIPOL & QUADRUPL-SIGMA	+
002 HE 004	(G,P)	1.5+	8	EXTH	UF2	25	933	80 ARKATOV+ DD OF P-N PAIRS	+
002 HE 004	(G,P)	1.5+	8	EXPT	YF	32	5	80 ARKATOV+ DIFFUSION CLOUD CHAMBER	+
002 HE 004	(G,P)	2.8+	7 1.5+	8 EXPT	VAT/F	4	62	79 ARKATOV+	+
002 HE 004	(G,P)	1.5+	8	EXPT	ZEP	30	672	79 ARKATOV+ DIST-OVER TREIMAN-YANG	+
002 HE 004	(G,P)	3.1+	7 5.1+	7 EXPT	PR/C	19	2091	79 PHILLIPS+ DIFF-SIGMA RATIO	+
002 HE 004	(G,T)	NDG		SPN THEO	NP/A	368	375	81 OSET+ SIGMA CURVE	+
002 HE 004	(G,X)	2.2+	8 2.7+	8 USA EXPT	PR	137	B1214	65 ASBURY+ SIGMA PLOT	+
002 HE 004	(G,X)	NDG		IND THEO	PR	164	1223	67 SRIVASTAVA+ DISINT-SIGMA TBL	+
002 HE 004	(G,X)	3.0+	7 1.6+	8 CCP EXPT	SNP	10	268	69 GORBUNOV+ X=2P2N-SIGMA CURVE	+
002 HE 004	(G,X)	2.5+	7 1.2+	8 CCP EXPT	SNP	10	639	70 ARKATOV+ SIGMA CURVE	+
002 HE 004	(G,X)	NDG		SAC THEO	NP/A	194	81	72 LAGET+ THEORETICAL EVALUATION	+
002 HE 004	(G,X)	3.0+	7 7.5+	7 CCP EXPT	SNP	16	6	73 ARKATOV+ SIGMA TABLE	+
002 HE 004	(G,X)	6.0+	7 1.7+	8 GWU THEO	PR/C	14	1133	76 NOGUCHI+ PHOTODISINT-SIGMA	+
002 HE 004	(G,X)	3.0+	7 1.5+	8 CCP EXPT	SNP	41	707	85 ARKATOV+ (G-2P2N)REACT-ANALYSIS	+
002 HE 004	(G,X)	2.5+	7 4.3+	7 CCP EXPT	SNP	34	639	81 ARKATOV+ PHOTODISINT-ANALYSIS	+
002 HE 004	(G,X)	1.5+	8	EXPT	VAT/F	4	55	79 ARKATOV+ DIPOL & QUADRUPL-SIGMA	+
002 HE 004	(G,X)	3.6+	7 5.0+	7 NBS EXPT	YF	31	1400	80 ARKATOV+ ELECT-DIPOLE & QUADRUPL.	+
002 HE 004	(E,D)	6.5+	7	GER THEO	PR/C	6	43	72 SKOPIK+ SIGMA TBL & CURVE	+
002 HE 004	(E,DISINTEGR.)	6.5+	7	GER THEO	ZP	239	223	70 MUELLER-ARNKE DOUB-DIFF-SIGMA CURV	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
002 HE 004	(E,ELASTIC) AD	1.9+ 8	8	STF EXPT	PR	102	851 56	MCALLISTER+ DIFF.SIGMA CURVE	+
002 HE 004	(E,ELASTIC) AD	1.0+ 8	8.0+ 8	STF EXPT	PR	160	874 67	FROSC+ DIFF.SIGMA TBL	+
002 HE 004	(E,ELASTIC) AD	3.0+ 7	5.9+ 7	GER EXPT	2P	209	208 68	ERICH+ FORM FACTOR	
002 HE 004	(E,ELASTIC) XX	NDG		ITY THEO	NP/A	129	350 69	DEDLIATTI FORM FACTOR	
002 HE 004	(E,ELASTIC) XX	NDG		CCP THEO	SNP	13	41 71	DZHIBUTI+ FORM FACTOR	
002 HE 004	(E,ELASTIC) XX	NDG		CCP EVAL	SNP	16	282 73	ELDYSHV+ FORM FACTOR	
002 HE 004	(E,ELASTIC) YD	1.7+ 8	7.5+ 8	UMA EXPT	PR/C	15	1396 77	MCARTHY+ CHARGE&MAGNET.FORM FACT	
002 HE 004	(E,EP) AD	NDG		GER THEO	PR/C	44	810 91	BUBALLA+ FINAL STAT.INTERACT.EFFE.	
002 HE 004	(E,EP) ED	1.2+ 9		CCP EXPT	SNP	19	369 74	GOL'DSHTEIN+ DIFF.SIGMA CURVE	+
002 HE 004	(E,EP) ED	1.2+ 9		CCP EXPT	SNP	20	241 75	GOL'DSHTEIN+ PROTON-SPECT.CURVE	
002 HE 004	(E,EP) XX	9.7+ 8	1.2+ 9	CCP EXPT	NP/A	355	333 81	GOLDSTEIN+	
002 HE 004	(E,EP) YD	NDG		IKO THEO	NP/A	497	449 89	HUBERT+ MOMENTUM.DIST. CURVE	+
002 HE 004	(E,INELASTIC) AD	4.0+ 8	5.0+ 8	STF EXPT	PR	121	624 61	BURLESON DIFF.SIGMA CURVE & TBL	+
002 HE 004	(E,INELASTIC) AD	1.5+ 8	4.0+ 8	STF EXPT	NP/A	110	657 68	FROSC+ DIFF.SIGMA TABLE	+
002 HE 004	(E,INELASTIC) AD	2.0+ 7	3.2+ 7	USA COMP	NP/A	134	161 69	CRONE+ DIFF.SIGMA CURVE	+
002 HE 004	(E,INELASTIC) AD	4.0+ 8		MN2 EXPT	NP/A	405	648 83	KOEBSCHELL+ DIF.SIGMA TBL	+
002 HE 004	(E,INELASTIC) AD	6.1+ 7	2.0+ 8	USA THEO	PR/C	45	42 92	HALDERSON DIFF.SIGMA CURVE	+
002 HE 004	(E,INELASTIC) CS	8. + 9	2.5+ 9	STF EXPT	PR/L	52	727 84	ARNOLD+	
002 HE 004	(E,INELASTIC) CS	NDG		NED REVW	NP/A	527	170 91	STEENHOVEN+ QUASI-FREE SCATT.	+
002 HE 004	(E,INELASTIC) DD	1.3+ 8	2.0+ 8	UMA THEO	PR/C	38	1547 88	HOTTA+ DIFF. SIGMA	+
002 HE 004	(E,INELASTIC) DD	2.8+ 8	7.3+ 8	PUP EXPT	PR/C	41	1084 90	VON REDEN+ DOUBL.DIFF.SIGMA CURVE	+
002 HE 004	(E,INELASTIC) DD	NDG		GER THEO	2P/A	342	489 92	WARMANN+ MICROSCOPIC CLUSTER MODEL	
002 HE 004	(E,INELASTIC) YD	5.9+ 8	1.2+ 9	CCP EXTH	SNP	41	9 85	KUPLENNIKOV+ ELASTIC PEAK	+
002 HE 004	(E,SCATTERING) AD	8.1+ 8		CCP EXPT	SNP	48	389 88	DEMENTII DIFF.SIGMA CURVE	+
002 HE 004	(E,SCATTERING) DD	8.1+ 8	1.2+ 9	CCP EXPT	SNP	22	6 75	DEMENTII+ SIGMA CURVE & TBL	+
002 HE 004	(E,SCATTERING) DD	3.0+ 8	6.0+ 8	PUP EXPT	PR/C	38	800 88	DYTMAN+ SIGMA CURVE	+
002 HE 004	(E,SCATTERING) XX	NDG		CRC THEO	NP/A	165	475 71	KHANNA CHARGE FORM FACTOR	
002 HE 004	(E,SCATTERING) XX	NDG		CCP EXPT	SNP	24	237 76	BUKI+ FISS. NEUTRON YIELD	
002 HE 004	(E,SCATTERING) XX	NDG		NED THEO	NP/A	435	765 85	KOCH+	
002 HE 004	(E,X) XX	2.5+ 7	4.0+ 8	LRL EXPT	PR	127	2090 62	MCFARLAND+ POLARIZATION	
002 HE 004	(E,X) XX	NDG		CCP COMP	SNP	16	287 73	BOITSOV+ FORM FACTOR	
002 HE 004	(N,G)	2.8+ 7		EXPT	PR/C	25	2111 82	WELLER+ POLARIZED BEAM	
002 HE 004	(P,G)	8. + 6	3.0+ 7	EXTH	PR/C	25	1644 82	MCBROOM+ LEGENDRE POLYNOMIALS	
002 HE 004	(D,G) YD	3.1+ 6		BNL THEO	PR	109	1603 58	WILKINSON PARITY CONSERVATION	
002 HE 004	(H,G) AD	3. + 6	1.9+ 7	BIR EXPT	NP/A	395	119 83	WALTHAM+ SIGMA CURV.LEGEN.COEF.TBL	+
002 HE 004	(H,G) CS	9.0+ 5		LAS EXPT	PR/C	27	11 83	ROBERTSON+ SIGMA=1.93+-0.15MICRO B	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA	
		MIN	MAX		REF	VOL	PAGE			YEAR
0003 LI 000	(G,DISINTEGR.)	2.8+ 8		UI EXPT	PR	110	1143	BARTON+ N-P PAIRS		
0003 LI 000	(G,ELASTIC)	1.6+ 6		LRL EXPT	PR	112	1267	ALVAREZ+ 124DEG.SCATT.SIGMA	+	
0003 LI 000	(G,N)	7. + 6	2.5+ 7	CAN EXPT	PR	110	1123	RYBKA+ NEUTRON YIELD CURVE	+	
0003 LI 000	(G,N)	7.5+ 6	1.9+ 7	AUL EXPT	NP/A	51	177	ALLUM+ SIGMA CURVE	+	
0003 LI 000	(G,P)	1.4+ 8	1.8+ 8	USA EXPT	PR	129	1362	KIM+ DIFF.SIGMA TBL	+	
0003 LI 000	(G,P)		4.0+ 8	SWD EXPT	ZP	265	1	DOUGAN+ DIFF.SIGMA TABLE	+	
0003 LI 000	(G,P)	7.0+ 8	1.2+ 9	CCP EXPT	SNP	13	265	ANTUF'EV+ PROTON SPECT.		
0003 LI 000	(G,P)	7.0+ 8	1.2+ 9	CCP EXPT	SNP	13	265	ANTUF'EV+ DEUTERON SPECT.		
0003 LI 000	(G,P)		3.4+ 8	MIT EXPT	PR	99	1621	WEINSTEIN+ P-P COINCIDENCE		
0003 LI 000	(G,P)	3.4+ 8		USA EXPT	PR	128	2784	LIU+ POLARIZATION OF PHOTOPROTONS	+	
0003 LI 000	(G,PION +)	5.5+ 8		STF EXPT	PR	105	1840	WILLIAMS+ Z-DEPEND.OF PION PRODUCT	+	
0003 LI 000	(G,SCATTERING)	5.0+ 7	1.3+ 8	MIT EXPT	PR	105	982	PUGH+ SIGMA CURVE	+	
0003 LI 000	(G,X)	1.0+ 7	2.2+ 8	GER EXPT	NP/A	251	479	AHRENS+ SIGMA CURVE	+	
0003 LI 000	(E,ELASTIC)	NDG		UBC THEO	PR/C	29	538	BLANKLEIDER+		
0003 LI 000	(E,TOTAL)	1. + 0	1.0+ 1	USA EXPT	PR	128	1148	PEREP+ SCATT.TOTAL SIGMA	+	
003 LI 006	(G,A)		5.0+ 7	EXPT	ZP/A	291	353	JUNGHANS+ 30 TO 150 DEG.		
003 LI 006	(G,D)		5.0+ 7	EXPT	ZP/A	291	353	JUNGHANS+ 30 TO 150 DEG.		
003 LI 006	(G,D)	NDG		CCP EVAL	SNP	9	198	MAMASAKHLISOV+ SIGMA CURVE	+	
003 LI 006	(G,DISINTEGR.)	NDG		IND THEO	CJP	52	202	YADAV+ SIGMA VALUE	+	
003 LI 006	(G,DISINTEGR.)	1.7+ 7	5.0+ 7	ITY THEO	NP/A	76	58	FERRONI+ DEUTERON SPECTRUM		
003 LI 006	(G,G)	3.0+ 7		CCP THEO	SNP	43	373	DUBOVOL+ CALC.SIGMA	+	
003 LI 006	(G,G)	2. + 6	1.6+ 7	LRL EXPT	PR	125	335	SEWARD RESONANT SCATT.		
003 LI 006	(G,G)	1.8+ 6	3.6+ 6	BLG EXPT	NP/A	120	126	CRETEN+ LEVEL WIDTH		
003 LI 006	(G,G)	3.6+ 6		MSU EXPT	PR/C	23	973	ROBERTSON+ EXCIT.ENERGY	+	
003 LI 006	(G,N)	5. + 6	1.9+ 7	USA EXPT	PR	113	886	ROMANOWSKI+ SIGMA CURVE	+	
003 LI 006	(G,N)	7.1+ 6	7.3+ 6	USA EXPT	PR	135	8701	GREEN+ SIGMA TBL & CURVE	+	
003 LI 006	(G,N)	5.7+ 6	2.3+ 7	DEN EVAL	NP/A	160	99	AURDAL SIGMA CURVE	+	
003 LI 006	(G,N)	4. + 6	3.2+ 7	LRL EVAL	PR/C	7	1820	SHAKIN+ SIGMA CURVE	+	
003 LI 006	(G,N)	3.7+ 6	1.6+ 7	GWU THEO	PR/C	10	1309	GHOVANLOU+ SIGMA CURVE	+	
003 LI 006	(G,NP)	6.7+ 7		UI EXPT	PRL	52	2540	WADE+ N-P COINC.YIELD		
003 LI 006	(G,P)	3.5+ 7	8.0+ 7	CCP THEO	NP/A	182	634	KURDYUMOV+ DIFF.SIGMA CURVE	+	
003 LI 006	(G,P)		5.0+ 7	EXPT	ZP/A	291	353	JUNGHANS+ 30 TO 150 DEG.		
003 LI 006	(G,P)	6.0+ 7	CCP EXPT	NP/A	68	191	65	BAZHANOV+ INTEGRAT.SIGMA		
003 LI 006	(G,P)	5.5+ 7	CCP EXPT	SNP	5	344	67	DENISOV+ SIGMA CURVE	+	
003 LI 006	(G,P)	4.8+ 6	2.3+ 7	DEN EVAL	NP/A	160	99	AURDAL SIGMA CURVE	+	
003 LI 006	(G,P)		1.5+ 7	EXTH	PR/C	21	1165	KUSUHARA BREM BEAM		
003 LI 006	(G,P)		1.0+ 8	MIT EXPT	NP/A	112	654	MATTHEWS+ PROTON SPECTRA		
003 LI 006	(G,P)	3.5+ 8		CCP EXPT	SNP	51	385	ZYBALOV+ PROTON POLARIZATION	+	
003 LI 006	(G,PION)	2.0+ 8		TOH EXPT	PR/C	33	2179	SHODA+ ANGULAR DIST.CURVE		
003 LI 006	(G,PION)	4.0+ 8		CCP EXPT	SNP	19	10	GONCHAROV+ PION SPECTRA		
003 LI 006	(G,PION)	7. + 6		SAC EXPT	PR/C	15	1415	AUDIT+ RELATIVE SIGMA	+	
003 LI 006	(G,PION 0)	3.0+ 8	4.5+ 8	CCP EXPT	SNP	53	379	BLEOUSOV+ DIFF.SIGMA TABLE		
003 LI 006	(G,PION 0)	NDG		CCP THEO	SNP	53	439	TRYASUCHEV+ IMPULSE APPROX.		
003 LI 006	(G,SCATTERING)	3.6+ 6		USA EXPT	PR	183	918	RASMUSSEN+ GAMMA WIDTH		
003 LI 006	(G,T)		5.0+ 7	EXPT	ZP/A	291	353	JUNGHANS+ 30 TO 150 DEG.	+	
003 LI 006	(G,T)		6.0+ 7	CCP EXPT	NP/A	68	191	65	BAZHANOV+ INTEGRAT.SIGMA	+
003 LI 006	(G,T)	2.4+ 7	3.5+ 7	VAL EXPT	PR	169	771	SHERMAN+ SIGMA CURVE	+	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA	
		MIN	MAX		REF	VOL	PAGE			YEAR
0003 LI 006	(G,X)	3.6+ 6		EXPT	SNP	45	758	87	PISKAREV	+
0003 LI 006	(G,X)	2.5+ 6	1.0+ 7	CCP EXPT	BAS	51	179	87	VARLAMOV+	+
0003 LI 006	(G,X)	4. + 6	2.8+ 7	CLA THEO	PR/C	9	1679	74	SHAKIN+ CALC. SIGMA CURVE	+
0003 LI 006	(G,X)		3.0+ 7	CCP EXPT	SNP	41	183	85	KOTIKOV+ (G,PDT) REACTION SIGMA	+
0003 LI 006	(G,X)	NDG		CCP COMP	SNP	48	768	88	VLADIMIROV+ POLARIZATION	+
0003 LI 006	(G,X)	3.5+ 7	5.5+ 7	LIN EXPT	SNP	27	461	78	VOLKOV+ PHOTOISINT.	+
0003 LI 006	(G,XN)	6. + 6	3.0+ 7	NBS EXPT	NP/A	69	241	65	HAYWARD+ SIGMA CURVE & TABLE	+
0003 LI 006	(G,XN)		6.0+ 7	CCP EXPT	NP/A	68	191	65	BAZHANOV+ INTEGRAT.SIGMA	+
0003 LI 006	(G,XN)	4.8+ 6	1.7+ 7	UWA EXPT	NP/A	430	214	84	DYBLEWSKI+ SIGMA CURVE	+
0003 LI 006	(G,XN)	2.5+ 9	2.7+ 9	GER EXPT	NP/A	228	478	74	HEIMLICH+ RELATIVE YIELD	+
0003 LI 006	(E,D,DISINTEGR.)	2.2+ 7	9.0+ 7	SAS EXPT	CJP	48	1917	70	WONG+ DIFF.SIGMA CURVE	+
0003 LI 006	(E,ELASTIC)		2.3+ 8	STF EXPT	PR	144	859	66	RAND+ MAGNETIC FORM FACTOR	+
0003 LI 006	(E,ELASTIC)	2.0+ 8	6.0+ 8	STF EXPT	PR	162	992	67	SUEIZLE+ DIFF.SIGMA TBL	+
0003 LI 006	(E,ELASTIC)	NDG		GWU THEO	PR/C	31	250	85	CHRISTOU+ ELASTIC SIGMA IN E-D SYS	+
0003 LI 006	(E,ELASTIC)	NDG		ITY THEO	NP/A	129	350	69	DEDLIATTI FORM FACTOR	+
0003 LI 006	(E,ELASTIC)	2.4+ 7	9.7+ 7	USA EXPT	PR/C	5	391	72	BUMILLER+ FORM FACTOR	+
0003 LI 006	(E,ELASTIC)	NDG		CCP EVAL	SNP	16	282	73	ELDYSHEV+ FORM FACTOR	+
0003 LI 006	(E,ELASTIC)	NDG		USA THEO	PR/C	8	269	73	RAPHAEL MOMENTUM TRANSFER	+
0003 LI 006	(E,ELASTIC)	NDG		USA THEO	NP/A	80	125	66	LODHI SINGLE OSCILLATOR PARAM.	+
0003 LI 006	(E,EP)	1.2+ 9		CCP EXPT	SNP	21	622	75	ANTUF'EV+ DIFF.SIGMA CURVE	+
0003 LI 006	(E,EP)	NDG		CCP THEO	SNP	19	288	74	BARTS+ LI-6 STRUCTURE	+
0003 LI 006	(E,EP)	NDG		THEO	PRL	58	1727	87	STEENHOVEN+	+
0003 LI 006	(E,INELASTIC)	8.0+ 7	3.0+ 8	EXTH	PR/C	25	1156	82	BERGSTROM+ MEAS. MAGNET FORM F	+
0003 LI 006	(E,INELASTIC)	5.0+ 8		STF EXPT	PR	115	1300	59	MEYER-BERKHOUT DIFF.SIGMA VALUE	+
0003 LI 006	(E,INELASTIC)	5.0+ 8		STF THEO	NP/A	86	313	66	GRIFFY+ TEST OF CLUSTER MODEL	+
0003 LI 006	(E,INELASTIC)	6.0+ 7	1.3+ 8	SAS EXPT	NP/A	107	266	68	HUTICHEON+ DIFF.SIGMA CURVE	+
0003 LI 006	(E,INELASTIC)	1.2+ 9		CCP EXPT	SNP	15	361	72	TITOV+ DIFF.SIGMA TABLE	+
0003 LI 006	(E,INELASTIC)	2.5+ 9	2.7+ 9	GER EXPT	NP/A	231	509	74	KOEBERLING+ DOUBL.DIFF.SIGMA CURV	+
0003 LI 006	(E,INELASTIC)	7.0+ 8		TOK EXPT	NP/A	296	431	78	IZUTSU+ PROTON SPECTRAL FUNCTION	+
0003 LI 006	(E,INELASTIC)	6.0+ 7	1.3+ 8	SAS EXPT	NP/A	127	417	69	HUTICHEON+ DIFF.SIGMA CURVE	+
0003 LI 006	(E,INELASTIC)	1.2+ 7	2.0+ 7	EXTH	NP/A	341	13	80	BERGSTROM FORM FACTORS	+
0003 LI 006	(E,INELASTIC)	NDG		DEN THEO	NP/A	65	54	65	PROVIDENCIA+ FORM FACTOR	+
0003 LI 006	(E,INELASTIC)	NDG		USA THEO	PR/C	3	503	71	LODHI CORRELATION FUNCTION	+
0003 LI 006	(E,INELASTIC)	NDG		GER THEO	2P	242	364	71	LODHI FORM FACTOR	+
0003 LI 006	(E,INELASTIC)	3.5+ 7	1.3+ 8	SAS EXPT	NP/A	251	401	75	BERGSTROM+ FORM FACTOR	+
0003 LI 006	(E,INELASTIC)			NED THEO	NP/A	516	325	90	LOVAS+ CLUSTER MODEL ANALYSIS	+
0003 LI 006	(E,INELASTIC)	1. +12 4. +12		HRV EXPT	PR	135	B1030	64	CHEN+ DIFF.SIGMA TBL	+
0003 LI 006	(E,P)	1.3+ 7	1.9+ 7	EXPT	PR/C	19	1144	79	SKOPIK+ 2PT.	+
0003 LI 006	(E,P)	7.0+ 8		EXPT	NP/A	296	431	78	IZUTSU+ PROTON SPECTRAL FUNCTION	+
0003 LI 006	(E,P)	2.5+ 9	2.7+ 9	GER EXPT	NP/A	228	478	74	HEIMLICH+ RELATIVE YIELD	+
0003 LI 006	(E,P)	2.0+ 8		TOH EXPT	PR/C	33	2179	86	SHODA+ ANGULAR DIST.CURVE	+
0003 LI 006	(E,SCATTERING)	4.3+ 8		STF EXPT	PR	112	1282	58	BURLESON+ DIFF.SIGMA CURVE	+
0003 LI 006	(E,SCATTERING)	4.0+ 7		STF EXPT	PR	120	2081	60	BARBER+ EXCITATION BY SCATTERING	+
0003 LI 006	(E,SCATTERING)	5.0+ 8		STF EXPT	PR/C	9	2230	74	WHITNEY+ SIGMA TABLE	+
0003 LI 006	(E,SCATTERING)	9.0+ 7	2.6+ 8	CCP EXPT	SNP	48	581	88	BUKI+ QUASIELASTIC PEAK ENERGY	+
0003 LI 006	(E,SCATTERING)	2.0+ 8	5.0+ 8	STF EXPT	NP/A	162	583	71	LI+ SIGMA TABLE	+
0003 LI 006	(E,SCATTERING)	NDG		KFT EXPT	SNP	25	599	77	KUPLENNIKOV+ QUASIELASTIC SCAT.	+
0003 LI 006	(E,SCATTERING)	1.2+ 9		CCP EXPT	SNP	18	10	74	KUPLENNIKOV+ SIGMA CURVE	+
0003 LI 006	(E,SCATTERING)	NDG		ANL THEO	PR	134	B1025	64	KURATH FORM FACTOR	+
0003 LI 006	(E,SCATTERING)	3.0+ 7	6.0+ 7	VAL EXPT	NP/A	235	135	74	YEN+ FORM FACTOR	+
0003 LI 006	(E,SCATTERING)	NDG		UFT EXPT	SNP	27	313	78	KUPLENNIKOV+	+

ELEMENT Z S A	QUANTITY	ENERGY (eV) MIN MAX	LAB TYPE	DOCUMENTATION			COMMENTS	DATA
				REF	VOL	PAGE YEAR		
003 LI 006	(E,X)	NDG	SAS EXPT	PR/C	14	789	76 SKOPIK+ ELECTRODISINT.SIGMA	
003 LI 006	(N,G)	2.5- 2	ANL EXPT	NSE	40	12	70 MEADOWS+ PULSE-NEUTRON METHOD	+
003 LI 006	(N,G)	2.5- 2	NED EXPT	NP/A	113	395	68 SPILLONG+ GAMMA INTENSITY	
003 LI 006	(N,G)	2.5- 2	NED EXPT	NP/A	145	449	70 SPITS+ GAMMA INTENSITY	
003 LI 006	(N,G)	2.5- 2	NED EXPT	NP/A	180	569	72 KAMP+ NEUT.-CAPT. GAMMA	
003 LI 006	(P,G)	2.0+ 5	6 AML EXPT	AUJ	40	319	87 TINGWELL+	
003 LI 006	(P,G)	2.1+ 5	1.2+ 6	NP/A	331	50	79 SWITKOWSKI+ INTEGRATED SIGMA	
003 LI 006	(P,G)	4.0+ 4	1.8+ 5	NP/A	539	75	92 CECIL+ SIGMA CURVE	+
003 LI 006	(P,G)	4.1+ 5	1.1+ 6	PR	101	242	56 WARREN+ GAMMA YIELD CURVE	
003 LI 006	(P,G)	NDG	BEL EXPT	PRL	59	1088	87 MURNICK+	
003 LI 006	(A,G)	1.0+ 6	1.2+ 6	EXPT	NP/A	330	79 KEINONEN+ GAM-TRANSIT-LENGTH	
003 LI 006	(A,G)	7.1+ 5	3.8+ 6	ANL EXPT	PR	108	57 MEYER+ B-10 LEVEL	
003 LI 006	(A,G)	1.1+ 6	3.1+ 6	USA EXPT	NP/A	82	33 66 FORSYTH+ ENERGY LEVEL OF B-10	
003 LI 006	(A,G)	3.8+ 6	5.2+ 6	SWT EXPT	NP/A	242	129 75 AUWARTER+ B-10 LEVEL	
003 LI 006	(A,G)	1.1+ 6	1.3+ 6	EXPT	NP/A	318	21 79 SPEAR+ RESONANCE STRENGTH	
003 LI 006	(A,G)	1.0+ 6	1.2+ 6	ANL EXPT	NP/A	417	84 NAPOLITANO+	
003 LI 006	(A,G)	1.1+ 6	1.2+ 6	OSU EXPT	NP/A	499	89 BASAK GAMMA-TRANSIT-LENGTH	
003 LI 007	(G,ABSORPTION)	NDG	CCP EVAL	NP	31	338	62 NEUDACHIN+ GIANT RES.OF DIPOLE RES	+
003 LI 007	(G,D)	6.2+ 8	CCP EXPT	SNP	14	502	72 ANTUF'EV+ DIFF.SIGMA CURVE	+
003 LI 007	(G,D)	5.0+ 7	EXPT	PR/C	20	2025	79 SKOPIK+ 30 TO 150 DEG.	
003 LI 007	(G,D)	5.0+ 7	EXPT	NP/A	291	353	79 JUNGHANS+ 30 TO 150 DEG.	
003 LI 007	(G,D)	6.1+ 6	5.5+ 7	CCP EXPT	SNP	5	67 DENISOV+ SIGMA TABLE	+
003 LI 007	(G,D)	1.4+ 7	3.0+ 7	CCP EXPT	SNP	22	466 75 DENISOV+ INTEGRATED SIGMA TBL	+
003 LI 007	(G,G)	2.7+ 7	3.1+ 7	CCP EXPT	SNP	33	15 81 ISHKHANOV+ INTEGRATED SIGMA	+
003 LI 007	(G,G)	5.1+ 5	3.0+ 6	USA EXPT	NP/A	57	403 64 BOOTH+ RESONANCE FLUORESCENCE	
003 LI 007	(G,HE-3)	2.5+ 6	2.2+ 7	CCP EXPT	PR/C	20	2025 79 SKOPIK+ 30 TO 150 DEG.	
003 LI 007	(G,HE-3)	5.0+ 7	EXPT	NP/A	291	353	79 JUNGHANS+ 30 TO 150 DEG.	
003 LI 007	(G,INELASTIC)	2.5+ 6	2.2+ 7	CCP EXPT	SNP	10	635 70 DENISOV+ DIFF.SIGMA CURVE	+
003 LI 007	(G,INELASTIC)	3.2+ 7	EXPT	YF	32	11	80 ISHKHANOV+	
003 LI 007	(G,N)	1.3+ 7	2.5+ 7	CAN EXPT	CJP	55	428 77 FERDINAND+ 90DEG.DIFF.SIGMA VAL	+
003 LI 007	(G,N)	6.0+ 7	1.2+ 8	EDG EXPT	PRL	50	1831 83 SENE+ DIF.SIGMA CURV.SIG RATIO	
003 LI 007	(G,N)	8.1+ 6	1.8+ 7	USA EXPT	PR	113	886 59 ROMANOWSKI+ SIGMA CURVE	+
003 LI 007	(G,N)	8.1+ 6	1.8+ 7	USA EXPT	PR	113	886 59 ROMANOWSKI+ SIGMA CURVE	+
003 LI 007	(G,N)	7.4+ 6	7.6+ 6	USA EXPT	PR	135	8701 64 GREEN+ SIGMA TBL & CURVE	+
003 LI 007	(G,N)	7.1+ 6	9.1+ 6	AML EXPT	NP/A	501	108 89 KARATAGLIDIS+ SIGMA CURVE	+
003 LI 007	(G,N)	6.0+ 7	1.3+ 8	UK EXPT	NP/A	442	215 85 SENE'+ DOUBLE DIFF. SIGMA	+
003 LI 007	(G,N)	3.6+ 6	LIN EXPT	SNP	27	469	78 DENISOV+ INTERG. CS	+
003 LI 007	(G,P)	3.2+ 8	CCP EXPT	SNP	9	394	69 ANTUF'EV+ DIFF.SIGMA TBL	+
003 LI 007	(G,P)	6.2+ 8	1.1+ 9	CCP EXPT	SNP	11	527 70 ANTUF'EV+ ANGL-DIFF.SIGMA CURVE	+
003 LI 007	(G,P)	5.0+ 7	EXPT	PR/C	20	2025	79 SKOPIK+ 30 TO 150 DEG.	
003 LI 007	(G,P)	5.0+ 7	EXPT	NP/A	291	353	79 JUNGHANS+ 30 TO 150 DEG.	
003 LI 007	(G,P)	6.0+ 7	1.2+ 8	EDG EXPT	PRL	50	1831 83 SENE+ DIF.SIGMA CURV.SIG RATIO	
003 LI 007	(G,P)	1.0+ 7	3.2+ 7	AUL EXPT	NP	32	543 62 GREGORY+ SIGMA CURVE	+
003 LI 007	(G,P)	6.1+ 6	5.5+ 7	CCP EXPT	SNP	5	344 67 DENISOV+ SIGMA TABLE	+
003 LI 007	(G,P)	8.4+ 7	ITY EXPT	NP/A	153	401	70 SANZONE+ INTEG.SIGMA PLOT	+
003 LI 007	(G,P)	1.8+ 7	3.5+ 7	CCP EXPT	SNP	20	579 75 DENISOV+ INTEG-SIGMA TBL	+
003 LI 007	(G,P)	6.0+ 7	1.3+ 8	UK EXPT	NP/A	442	215 85 SENE'+ DOUBLE DIFF. SIGMA	+
003 LI 007	(G,P)	1.0+ 8	MIT EXPT	NP/A	112	654	68 MATTHEWS+ PROTON SPECTRA	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
003 LI 007	(G,PION)	2.0+ 8		RPI EXPT	PR/C	43	1800	91	SHAW+ DIFF. SIGMA CURVE	+
003 LI 007	(G,PION)	4.0+ 8		CCP EXPT	SNP	19	10	74	GONCHAROV+ PION SPECTRA	
003 LI 007	(G,T)		3.7+ 7	EXTH	YP	35	11	82	DENIKOV+	+
003 LI 007	(G,T)	6. + 6	5.5+ 7	CCP EXPT	SNP	5	344	67	DENISOV+ SIGMA TABLE	+
003 LI 007	(G,T)	1.4+ 7	3.0+ 7	CCP EXPT	SNP	22	466	75	DENISOV+ INTEGRATED SIGMA TBL	+
003 LI 007	(G,T)		1.2+ 9	CCP EXPT	SNP	15	357	72	ANTUF'EV+ ANG. & ENER.DIFF SIGMA	+
003 LI 007	(G,X)		2.7+ 7	EXPT	SNP	46	579	87	KOTIKOV+	+
003 LI 007	(G,X)		2.0+ 7	CCP EXPT	SNP	44	747	86	VOLKOV+ DIFF. SIGMA	+
003 LI 007	(G,X)	NDG		CCP THEO	SNP	4	37	67	DZHIBUTI+ DISINT. SIGMA CURVE	+
003 LI 007	(G,X)	2.3+ 7	2.7+ 7	CCP EXPT	SNP	18	125	74	KOTIKOV+ X=PT, EXCIT. FUNC. CURVE	+
003 LI 007	(G,X)	1.4+ 7	3.0+ 7	CCP EXPT	SNP	22	466	75	DENISOV+ INTEGRATED SIGMA TBL	+
003 LI 007	(G,X)	6.0+ 7	1.3+ 8	UK EXPT	NP/A	442	215	85	SENE'+ DOUBLE DIFF. SIGMA	+
003 LI 007	(G,X)	3.5+ 7	5.5+ 7	LIN EXPT	SNP	27	461	78	VOLKOV+ PHOTODISINT.	+
003 LI 007	(G,XN)	6. + 6	3.0+ 7	NBS EXPT	NP/A	69	241	65	HAYWARD+ SIGMA CURVE & TABLE	+
003 LI 007	(G,XN)	7.3+ 6	2.0+ 7	AUL EXPT	NP/A	458	387	86	SIDDQUI+ SIGMA CURVE	+
003 LI 007	(G,XP)	6.0+ 7	1.0+ 8	GLS EXPT	PL/B	79	356	78	FINDLAY+	
003 LI 007	(G,2P)	3.2+ 8		USA EXPT	PR	111	1162	58	TAUTFEUT DELAYED NEUTRON	
003 LI 007	(E,ELASTIC)		2.3+ 8	STF EXPT	PR	144	859	66	RAND+ MAGNETIC FORM FACTOR	+
003 LI 007	(E,ELASTIC)	2.0+ 8	6.0+ 8	STF EXPT	PR	162	992	67	SUEIZLE+ DIFF. SIGMA TBL	
003 LI 007	(E,ELASTIC)	2.4+ 7	9.7+ 7	USA EXPT	PR/C	5	391	72	BUMILLER+ FORM FACTOR	+
003 LI 007	(E,INELASTIC)	5.0+ 8		STF EXPT	PR	115	1300	59	MEYER-BERKHOUT DIFF. SIGMA VALUE	+
003 LI 007	(E,INELASTIC)	3. + 6		USA EXPT	NP/A	66	230	65	CHERTOK+ DIFF. SIGMA	+
003 LI 007	(E,INELASTIC)	1.1+ 6	2.0+ 6	USA EXPT	NP/A	66	230	65	CHERTOK+ ISOMER EXCIT. SIGMA TBL	+
003 LI 007	(E,INELASTIC)	7.0+ 8		TOK EXPT	NP/A	296	431	78	IZUTSU+ PROTON SPECTRAL FUNCTION	+
003 LI 007	(E,INELASTIC)	6.0+ 7	1.3+ 8	SAS EXPT	NP/A	127	417	69	HUTCHESON+ DIFF. SIGMA CURVE	+
003 LI 007	(E,INELASTIC)	NDG		NED EXPT	PR/C	44	2002	91	MITCHELL+ REACTION MECHANISM	
003 LI 007	(E,MISCELLAN.)	1.1+ 8	2.0+ 8	EXPT	PR/C	21	469	80	ASAI+ MIS=HE-6 OR LI-6	
003 LI 007	(E,P)	7.0+ 8		TOK EXPT	NP/A	296	431	78	IZUTSU+ PROTON SPECTRAL FUNCTION	+
003 LI 007	(E,P)	NDG		ITY THEO	NP/A	476	617	88	BOFFI+	
003 LI 007	(E,PION)	2.0+ 8		TOH EXPT	NP/A	486	512	88	SHODA+ 90DEG. SIGMA CURVE	+
003 LI 007	(E,SCATTERING)	NDG		KFT EXPT	SNP	25	599	77	KUPLENNIKOV+ QUASIELASTIC SCAT.	
003 LI 007	(E,SCATTERING)	NDG		STF THEO	PR	134	B773	64	GINSBERG+ NUCL.SIZE/MAG-EFFECT	+
003 LI 007	(E,SCATTERING)	1.2+ 9		CCP EXPT	SNP	18	10	74	KUPLENNIKOV+ SIGMA CURVE	+
003 LI 007	(E,SCATTERING)	NDG		CCP THEO	NP/A	126	36	69	KUDEYAROV+ FORM FACTOR	
003 LI 007	(E,X)	6.0+ 7	1.3+ 8	UK EXPT	NP/A	442	215	85	SENE'+ DOUBLE DIFF. SIGMA	+
003 LI 007	(N,G)	2.5- 2	1.0+ 6	USA EXPT	PR	114	1037	59	IMHOF+ SIGMA CURVE	+
003 LI 007	(N,G)	2.5- 2		LRL EXPT	PR/C	44	764	91	LYNN+ SIGMA VALUE	+
003 LI 007	(P,G)	2.0+ 5	1.1+ 6	AUL EXPT	NP	21	1	60	MAINSBRIDGE ANGL. DIST. OF GAMMA	
003 LI 007	(P,G)	4. + 5	6.5+ 5	GER EXPT	ZP	161	500	61	BREUER+ ANGULAR COEFF.	+
003 LI 007	(P,G)	2. + 5	1.7+ 6	USA EXPT	NP/A	58	254	64	SCHLUETER+ DIFF. SIGMA CURVE/TABLE	+
003 LI 007	(P,G)	2.5+ 7		EDG EXPT	PR/C	43	2866	91	BRANFORD+ DIFF. SIGMA CURVE	+
003 LI 007	(P,G)	NDG		UK EVAL	NP/A	52	29	64	TANNER+ SIGMA TABLE	+
003 LI 007	(P,G)	4.0+ 4	1.8+ 5	USA EXPT	NP/A	539	75	92	CECIL+ SIGMA CURVE	+
003 LI 007	(P,G)	8. + 5	1.8+ 7	STF EXPT	PR/C	14	28	76	FISHER+ YIELD CURVES	+
003 LI 007	(P,G)	4.4+ 5		USA EXPT	PR	103	143	56	LAVIER+ ALPHA SPECTRA	
003 LI 007	(P,G)	5.0+ 5	2.0+ 6	ORL EXPT	NP/A	54	155	64	MILLER+ GAMMA SPECTRUM	+
003 LI 007	(P,G)	4. + 5	1.8+ 6	USA EXPT	NP/A	54	148	64	PROSSER+ GAMMA SPECTRUM	+
003 LI 007	(P,G)	7.5+ 6	8. + 6	GER EXPT	NP/A	515	226	90	RICKEN+ GAMMA SPECTRUM	+
003 LI 007	(P,G)	1.7+ 6	2.5+ 6	DKE EXPT	PR	108	1294	57	NEWSON+ GAMMA YIELD	+
003 LI 007	(P,G)	4. + 6	7.7+ 6	CBR EXPT	NP	10	33	59	GEMMELL+ YIELD VALUE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
003 LI 007	(P,G)	4.4+	5	SWT EXPT	NP	27	284	61 MEYER+ RESONANT P-CAPT.GAMMA	
003 LI 007	(P,G)	2.5+	6	AUL EXPT	NP	44	664	63 MITCHELL+ GAMMA YIELD CURVE	
003 LI 007	(P,G)	1.5+	6	USA EXPT	NP	45	586	63 PERRY+ EXCITAT.CURVE	
003 LI 007	(D,G)	3.6+	5	CRN EXPT	NP/A	175	217	71 SCHAEFFER+ BE-9 LEVEL	
003 LI 007	(T,G)	4. +	5	1.1+	NP/A	296	141	78 SUBOTIC+ BE-10 RES.	
003 LI 007	(H,G)	3. +	6	6. +	NP/A	108	221	68 LING+ DIFF-SIGMA CURVE	
003 LI 007	(A,G)	4.0+	5	5.5+	PR/C	29	1199	84 HARDIE+ RES.WIDTH TBL	
003 LI 007	(A,G)	1.0+	6	EXPT	PR/C	20	920	79 ANTIILA+ LIFETIME OF LEVELS	
003 LI 008	(N,G)	NDG		USA THEO	NP/A	522	568	91 MAO+ SHELL-MODEL CAL.	
004 BE 007	(P,G)	8.0+	5	1.4+	NP	15	411	60 KAVANAGH SIGMA VALUE	+
004 BE 007	(P,G)	0	1.5+	7	NP/A	71	459	65 TOMBRELLO SIGMA CURVE	+
004 BE 007	(P,G)	4.8+	5	1.9+	PR	150	851	66 PARKER ABSOLUTE SIGMA CURVE	+
004 BE 007	(P,G)	9.5+	5	3.3+	PR/C	2	1657	70 VAUGHN+ SIGMA TABLE	+
004 BE 007	(P,G)	1. +	5	1.8+	NP/A	146	385	77 AURDAL CAL.SIGMA CURVE	+
004 BE 007	(P,G)	3.6+	5	DEN THEO	NP/A	282	121	77 WIEZOREK+ SIGMA VALUE	+
004 BE 007	(P,G)	1.0+	5	1.2+	PR/C	28	2222	83 FILIPPONE+ TOTAL SIGMA CURV	+
004 BE 007	(P,G)	1.1+	5	1.2+	PRL	50	412	83 FILIPPONE+ TOTAL SIGMA CURV	+
004 BE 009	(G,A)	1.8+	7	2.6+	CJP	56	47	78 BUCHNA+ INTEGRATED SIGMA	+
004 BE 009	(G,ABSORPTION)	1.5+	7	2.7+	NP	31	570	62 MIKLAZVIC+ TOT.ABSORPT.SIGMA CURVE	+
004 BE 009	(G,ABSORPTION)	1.0+	7	3.0+	SNP	9	534	69 DOBILKIN+ SIGMA TBL & CURVE	+
004 BE 009	(G,ABSORPTION)	6.4+	6	ISL EXPT	NP/A	252	423	75 MOREH+ ATTENUAT. COEFF.	+
004 BE 009	(G,A EMISSION)	2.3+	8	CCP EXPT	SNP	44	895	86 LIKHACHEV+ SIGMA CURVE	+
004 BE 009	(G,D)	6.2+	8	CCP EXPT	SNP	14	502	72 ANTUF'EV+ DIFF-SIGMA CURVE	+
004 BE 009	(G,D)	4.5+	7	USA THEO	NP	33	1	62 MADSEN+ SIGMA CURVE	+
004 BE 009	(G,D)	4.5+	7	9.0+	NP/A	54	125	64 SHKLYAREVSKY INTEGRAT.SIGMA CURVE	+
004 BE 009	(G,D)	2.0+	7	8.0+	SNP	3	198	66 VOLKOV+ INTEGRAL SIGMA	+
004 BE 009	(G,D)	3.6+	8	6.0+	NP/A	448	578	86 BABA+ DIFF-SIGMA	+
004 BE 009	(G,DISINTEGR.)	1.7+	6	1.9+	PR	127	231	62 JOHN+ PHOTODISINT.SIGMA	+
004 BE 009	(G,DISINTEGR.)	1.8+	7	3.4+	NP/A	59	375	64 BECCHI+ ALPHA SPECTRUM	+
004 BE 009	(G,G)	3.0+	7	CCP THEO	SNP	43	373	86 DUBOVOI+ CALC.SIGMA	+
004 BE 009	(G,INELASTIC)	6.2+	9	GER EXPT	NP	212	235	68 BRANDES 2ND PHOTON SPECTRUM	+
004 BE 009	(G,INELASTIC)	1.6+	6	JPN EXPT	YF	32	11	80 ISHKHANOV+	+
004 BE 009	(G,MISCELLAN.)	1.2+	9	COR EXPT	CJP	61	1579	83 FUJISHIRO+ 3BODY BREAK-SIGMA RATIO	+
004 BE 009	(G,MESON)	1.7+	6	2.2+	PR	133	81200	64 SADOFF+ MESON PHOTOPRODUCTION	+
004 BE 009	(G,N)	1.8+	7	6	CJP	60	1672	82 FUJISHIRO+	+
004 BE 009	(G,N)	1.7+	6	4.6+	PR	103	1755	56 FABRICAND+ DIFF-SIGMA CURVE	+
004 BE 009	(G,N)	1.7+	6	4.6+	PR	123	229	61 JACKSON PHOTODISINT.SIGMA	+

ELEMENT Z S A	QUANTITY	ENERGY(KEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR	
004 BE 009	(G,N)	NDG		POL THEO	PR	101	1185	56	CZVZ SIGMA FORMULA
004 BE 009	(G,N)	2.6+	6 8.1+	6 AUL EXPT	NP	2	485	56	EDGE SIGMA TBL
004 BE 009	(G,N)	1.7+	6 1.9+	6 ORL EXPT	PR	114	1319	59	GIBBONS+ PRECISION MEAS.SIGMA
004 BE 009	(G,N)	0.	0 1.2+	6 ORL THEO	PR	120	2175	60	FRANCIS+ CAL.SIGMA CURVE
004 BE 009	(G,N)	1.7+	6 4.6+	6 USA EXPT	PR	123	229	61	JACKSON PHOTODISINT.SIGMA
004 BE 009	(G,N)	2.	6 3.2+	7 YUG EXPT	NP	37	396	62	CUJEC SIGMA CURVE
004 BE 009	(G,N)	2.	6 3.8+	7 LRL EXPT	PR	163	958	67	BERMAN+ SIGMA CURVE
004 BE 009	(G,N)	0.0+	0 4.0+	7 USA THEO	PR/C	2	1653	70	SALYERS CAL.SIGMA CURVE
004 BE 009	(G,N)	1.5+	9 4.5+	7 CCP EXPT	SNP	26	117	77	GALSTYAN BE-9 FORMATION SIGMA
004 BE 009	(G,N)	1.8+	7 2.6+	7 CAN EXPT	CJP	55	364	77	BUCHNEA+ SIGMA CURVE
004 BE 009	(G,N)	1.8+	7 2.6+	7 TOR EXPT	CJP	56	47	78	BUCHNA+ INTEGRATED SIGMA
004 BE 009	(G,N)	7.0+	7	7 CAN EXPT	CJP	33	785	55	DIXON ENERGY & ANGL.DISTRIBUTION
004 BE 009	(G,N)	3.	6 1.7+	7 AUL EXPT	NP/A	65	662	65	KOMAR+ ALPHA SPECTRUM
004 BE 009	(G,N)	7.0+	8 1.2+	9 CCP EXPT	SNP	76	377	66	THOMPSON+ PHOTONEUT.SPECTRUM
004 BE 009	(G,N)	NDG		7 WAS THEO	PR	123	2151	61	BLAIR PHOTODISINT.
004 BE 009	(G,N)	1.9+	8 4.3+	8 EXPT	PR/C	35	1828	87	KANAZAWA+
004 BE 009	(G,P)	1.5+	8 1.9+	8 USA EXPT	PR	129	1362	63	KIM+ DIFF.SIGMA TBL
004 BE 009	(G,P)	4.0+	8 SWD EXPT	2P	265	1	73		DOUGAN+ DIFF.SIGMA TABLE
004 BE 009	(G,P)	3.6+	8 6.0+	8 HIR EXPT	NP/A	415	462	84	BABA+ SIGMA CURV
004 BE 009	(G,P)	2.5+	7 PEN EXPT	PR	104	108	56		COHEN+ SIGMA CURVE
004 BE 009	(G,P)	1.7+	7 5.7+	7 USA EXPT	PR	126	1822	62	CLIKEMAN+ SIGMA CURVE
004 BE 009	(G,P)	1.7+	7 2.6+	7 YUG EXPT	NP	37	396	62	CUJEC SIGMA CURVE
004 BE 009	(G,P)	2.0+	7 5.0+	7 CCP EXPT	SNP	3	192	66	DENISOV+ INTEGRAT.SIGMA CURVE
004 BE 009	(G,P)	2.0+	7 8.0+	7 CCP EXPT	SNP	3	198	66	VOLKOV+ INTEGRAL SIGMA
004 BE 009	(G,P)	1.0+	8 6.0+	8 SWD EXPT	NP/A	284	165	78	DOUGAN PARTIAL&DIFF.SIGMA CURVE
004 BE 009	(G,P)	3.5+	7 CCP EXPT	NP/A	65	662	65		KOMAR+ PROTON SPECTRUM
004 BE 009	(G,P)	7.0+	8 1.2+	9 CCP EXPT	SNP	13	265	71	ANTUF+EV+ DEUTERON SPECT.
004 BE 009	(G,P)	1.9+	8 4.3+	8 TOK EXPT	PRL	52	2536	84	HOMMA+ AT 30DEG.-DIFF.SIGMA CURV
004 BE 009	(G,P)	3.4+	8	USA EXPT	PR	128	2784	62	LIU+ POLARIZATION OF PHOTOPROTONS
004 BE 009	(G,P)	3.5+	8	CCP EXPT	SNP	51	385	90	ZYBALOV+ PROTON POLARIZATION
004 BE 009	(G,PION)	2.2+	8 4.5+	8 GER EXPT	NP/A	526	479	91	ARENDS+ DOUBL.-DIFF.SIGMA CURVE
004 BE 009	(G,PION)	2.2+	8 4.5+	8 GER EXPT	NP/A	526	479	91	ARENDS+ DOUBL.-DIFF.SIGMA CURVE
004 BE 009	(G,PION)	1.0+	9	COR EXPT	PR	123	1423	61	MCCLELLAND CHARGED MESON PRODUCT.
004 BE 009	(G,PION)	1.5+10	3.0+10	CCP EXPT	SNP	33	540	81	ALEKSANDROV+ PION PRODUCT.SIGMA
004 BE 009	(G,PION)	2.0+	8 9.0+	8 CCP EXPT	SNP	42	1	85	ARAKELYAN+ TOTAL PRODUCT. SIGMA
004 BE 009	(G,PION)	4.0+	8	CCP EXPT	SNP	19	10	74	GONCHAROV+ PION SPECTRA
004 BE 009	(G,PION)	1.9+	8 4.3+	8 EXPT	PR/C	35	1828	87	KANAZAWA+
004 BE 009	(G,SCATTERING)	5.0+	7 1.3+	8 MIT EXPT	PR	105	982	57	PUGH+
004 BE 009	(G,T)	1.6+	7 1.8+	7 NED EXPT	NP/A	462	205	87	ZIJDERHAND+
004 BE 009	(G,T)	2.0+	7 8.0+	7 CCP EXPT	SNP	3	198	66	VOLKOV+ INTEGRAL SIGMA
004 BE 009	(G,T)	3.6+	8 6.0+	8 JPN EXPT	NP/A	448	578	86	BABA+ DIFF.SIGMA
004 BE 009	(G,T)	1.2+	9 CCP EXPT	SNP	15	357	72		ANTUF+EV+ ANG. & ENER.DIFF SIGMA
004 BE 009	(G,X)	1.0+	7 2.2+	8 GER EXPT	NP/A	251	479	75	ARENDS+ SIGMA CURVE
004 BE 009	(G,X)	1.9+	8 4.3+	8 TOK EXPT	PRL	52	2026	84	HOMMA+ PP,PN EMISS.
004 BE 009	(G,X)	1.4+	7 1.7+	7 NED THEO	NP/A	539	1	92	KIKSTRA+ GAMMA WIDTH
004 BE 009	(G,XN)	6.	6 2.7+	7 AUL EXPT	NP/A	196	89	72	THOMAS+ SIGMA CURVE
004 BE 009	(G,XN)	1.8+	7 2.8+	7 AML EXPT	NP/A	238	189	75	HUGHES+ SIGMA CURVE
004 BE 009	(G,XN)	1.7+	7 3.7+	7 GER EXPT	NP/A	247	91	75	KNEISSL+ ABSOL.SIGMA CURVE
004 BE 009	(G,2N)	1.7+	7 3.7+	7 GER EXPT	NP/A	247	91	75	KNEISSL+ ABSOL.SIGMA CURVE

ELEMENT Z S A	QUANTITY	ENERGY (eV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
004 BE 009	(G,2P)	1.9+ 8	4.3+ 8	EXPT	PR/C	35	1828	87	KANAZAWA+	
004 BE 009	(E,ABSORPTION) XX	5.3+ 7	9.3+ 7	USA EXPT	2P	271	69	74	BUSKIRK+ MOST PROBABLE ENERGY LOSS	
004 BE 009	(E,DISINTEGR.) YD	6.+ 6	1.7+ 7	STF EXPT	PR	111	1642	58	BARBER DISINT.YIELD	
004 BE 009	(E,E)	5.4+ 8	7.3+ 8	EXPT	PR/C	35	1063	87	O'CONNELL+	
004 BE 009	(E,ELASTIC)		2.3+ 8	STF EXPT	PR	144	859	66	RAND+ MAGNETIC FORM FACTOR	
004 BE 009	(E,ELASTIC)	5.3+ 7		GER EXPT	NP/A	101	527	67	ALFRED+ DIFF.SIGMA TABLE	
004 BE 009	(E,G)	5.+ 5	1.0+ 6	NBS EXPT	PR	100	1560	55	MOTZ BREM.DIFF.SIGMA	
004 BE 009	(E,G)	1.0+ 6	2.0+ 6	USA EXPT	NP/A	118	129	68	RESTER DIFF.SIGMA CURVE	
004 BE 009	(E,G)	2.7+ 6	9.7+ 6	NBS EXPT	PR	102	1598	56	STARFELT+ BREMSST.SPECT.CURVE	
004 BE 009	(E,G)	3.0+ 7	1.2+ 8	UK THEO	NIM	111	157	73	MATTHEWS+ DIFF.SIGMA CURVE	
004 BE 009	(E,G)	1.4+ 7	1.8+ 7	MIT EXPT	PR/C	28	489	83	LOURIE+ TRANSVERS FORM FACTOR	
004 BE 009	(E,INELASTIC)	4.2+ 7		STF EXPT	PR	128	2750	62	EDGE+ SIGMA TBL	
004 BE 009	(E,INELASTIC)	2.5+ 7	5.8+ 7	GER EXPT	NP/A	120	441	68	CLERC+ DIFF.SIGMA TABLE	
004 BE 009	(E,INELASTIC)	1.8+ 7	1.1+ 8	UK EXPT	NIM	101	203	72	HOGG+ TYPICAL SPECTRUM	
004 BE 009	(E,INELASTIC)	6.6+ 7	1.1+ 8	UK EXPT	NP/A	208	157	73	SLIGHT+ FORM FACTOR	
004 BE 009	(E,INELASTIC)	1.2+ 9		CCP EXPT	SNP	19	240	74	TITOV+ DIFF.SIGMA CURVE	
004 BE 009	(E,INELASTIC)	1.5+ 8	2.3+ 8	MIT EXPT	PR/C	43	1740	91	GLICKMAN+ SIGMA TABLE	
004 BE 009	(E,INELASTIC)	7.0+ 8		TOK EXPT	NP/A	296	431	78	IZUTSU+ PROTON SPECTRAL FUNCTION	
004 BE 009	(E,INELASTIC)	8.+ 9	2.5+ 9	STF EXPT	PRL	52	727	84	ARNOLD+	
004 BE 009	(E,INELASTIC)	7.3+ 8		NBS EXPT	PRL	53	1627	84	O'CONNELL+ AT 37-1DEG.-SIGMA CURV	
004 BE 009	(E,INELASTIC)	NDG		CCP THEO	NP/A	129	369	69	BALASHOVA+ DOUBLE DIFF.SIGMA PLOT	
004 BE 009	(E,INELASTIC)	NDG		USA THEO	PR/C	44	2694	91	TALWAR+ COULOMB DISTORT-EFFECT	
004 BE 009	(E,INELASTIC)	6.0+ 7	2.5+ 8	CSN EXPT	NP	42	62	63	NGUYEN+ BE-9 EXCIT. CURVE	
004 BE 009	(E,INELASTIC)	8.0+ 7		EXPT	YF	30	5	79	VUKI+ ELECTRODISINT. FORM FACT.	
004 BE 009	(E,INELASTIC)	NDG		UBC THEO	PR	128	1343	62	KUNZ	
004 BE 009	(E,INELASTIC)	1.4+ 7	2.2+ 7	SAS EXPT	PR/C	7	2228	73	BERGSTROM+ FORM FACTOR	
004 BE 009	(E,INELASTIC)	3.8+ 7		THD EXPT	NIM	153	29	78	SCHUILL+	
004 BE 009	(E,INELASTIC)	NDG		CBR THEO	NP/A	427	73	84	WOODS+ TRANSV.FORM FACTOR	
004 BE 009	(E,P)	7.0+ 8		TOK EXPT	NP/A	296	431	78	IZUTSU+ PROTON SPECTRAL FUNCTION	
004 BE 009	(E,SCATTERING) AD	NDG		IND THEO	PR	106	811	57	PAL+ CAL.DIFF.SIGMA CURVE	
004 BE 009	(E,SCATTERING) AD	4.0+ 7		STF EXPT	PR	120	2081	60	BARBER+ EXCITATION BY SCATTERING	
004 BE 009	(E,SCATTERING) AD	NDG		FR THEO	NP/A	102	554	67	STOVALL FORM FACTOR	
004 BE 009	(E,SCATTERING) AD	3.5+ 7	9.0+ 7	NED EXPT	NP/A	253	324	75	LAPIKAS+ DIFF. SIGMA	
004 BE 009	(E,SCATTERING) CS	NDG		KFT EXPT	SNP	25	599	77	KUPLANNIKOV+ QUASIELASTIC SCAT.	
004 BE 009	(E,SCATTERING) DD	1.2+ 9		CCP EXPT	SNP	18	10	74	KUPLANNIKOV+ SIGMA CURVE	
004 BE 009	(E,SCATTERING) XX	NDG		STF THEO	PR	139	8880	65	GRIFFY+ MAGNETIC FORM FACTOR	
004 BE 009	(E,SCATTERING) XX	3.4+ 8		FR EXPT	NP/A	97	488	67	BERNHEIM+ FORM FACTOR	
004 BE 009	(E,SCATTERING) XX	NDG		CCP THEO	NP/A	126	36	69	KUDEYAROV+ FORM FACTOR	
004 BE 009	(E,SCATTERING) YD	6.0+ 8		STF EXPT	PR	111	647	58	MOZLEY+ MULTIPLE SCATT.	
004 BE 009	(E,SCATTERING) YD	NDG		UFT EXPT	SNP	27	313	78	KUPLANNIKOV+	
004 BE 009	(E,SCATTERING) YD	3.0+ 8		GER EXPT	CJP	66	513	88	NEUHAUSEN ASYMMETRY PARAMETER	
004 BE 009	(E,X)	1.0+ 7		LRL EXPT	PR	121	866	61	JUPITER+ RADIATION FROM POSITRON	
004 BE 009	(E,X)	1.1+ 8	1.2+ 8	CCP EXPT	SNP	47	108	63	BORZHKOVSKII+ DISINT.PRODUCTS	
004 BE 009	(E,X)	2.5- 2		YAL EXPT	NP	47	108	63	DRAPER+ TRANSIT-INTENSITY	
004 BE 009	(N,G)	2.7+ 5	1.2+ 6	USA EXPT	PR	115	1227	59	MEYERHOF+ 90DEG.DIFF.SIGMA CURVE	
004 BE 009	(P,G)	8.5+ 5	1.1+ 6	UK EXPT	NP	35	606	62	ELLISON+ GAMMA EXCIT. FUNCTION	
004 BE 009	(P,G)	5.6+ 5	3.6+ 6	ORE EXPT	PR/C	4	1601	71	BATTLESON+ SIGMA CURVE	
004 BE 009	(P,G)	4.0+ 4	1.8+ 5	USA EXPT	NP/A	539	75	92	CECIL+ SIGMA CURVE	
004 BE 009	(P,G)	2.5+ 6	5.6+ 6	NOR EXPT	PR	98	727	55	LONSJO+ HIGH ENERGY GAMMA YIELD	
004 BE 009	(P,G)	1.1+ 6		UK EXPT	NP	33	502	62	MEADS+ B-10 LEVEL WIDTH	
004 BE 009	(P,G)	1.0+ 7	1.5+ 7	COL EXPT	PR	157	921	67	FELDMAN+ PROTON-CAPT.GAMMA	

ELEMENT Z S A	QUANTITY	ENERGY(CEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
004 BE 009	(P,G)	2.2+	5	6 SWT EXPT	NP/A	242	129	75 AUWARTER+ B-10 LEVEL	
004 BE 009	(D,G)	5.	+ 5	5.5+ 6 FR EXPT	NP/A	75	226	66 SUFFERT 90DEG.DIFF-SIGMA CURVE	+
004 BE 009	(D,G)	2.9+	6	1.2+ 7 CAN EXPT	NP/A	232	333	74 DEL BIANCO+ LEGENDRE COEF. TBL	+
004 BE 009	(D,G)	4.	+ 5	1.4+ 6 GER EXPT	NP/A	83	145	66 ZIEGLER+ SIGMA CURVE	+
004 BE 009	(H,G)	3.	+ 6	2.6+ 7 VAL EXPT	PR/C	9	76	74 SHAY+ DIFF.SIGMA CURVE	+
004 BE 010	(P,G)	6.	+ 5	6.3+ 6 USA EXPT	PR/C	1	123	70 GOOSMAN+ B-11 LEVEL	
005 B 000	(G,P)	1.4+	8	1.8+ 8 USA EXPT	PR	129	1362	63 KIM+ DIFF-SIGMA TBL	+
005 B 000	(G,P)	3.6+	8	6.0+ 8 EXTH	PL/B	113	459	82 BABA+	
005 B 000	(G,P)			3.6+ 7 STF EXPT	PR	127	1746	62 DODGE+ PHOTOPROTON SPECTRA	
005 B 000	(G,P)	3.4+	8	8 USA EXPT	PR	128	2784	62 LIU+ POLARIZATION OF PHOTOPROTONS	
005 B 000	(E,X)	1.	+ 3	4. + 3 GER EXPT	ZP	229	131	69 HOFFMANN+ CHARACT.X-RAY DEPTH DIST	+
005 B 000	(N,G)	2.5-	2	BNL EXPT	NSE	8	453	60 GOULD+ ABSORPTION SIGMA	+
005 B 000	(N,G)	2.5-	2	COL EXPT	NSE	9	99	61 SAFFORD+ PRECISION MEASUREMENT	+
005 B 007	(A,G)	1.1+	5	1.3+ 6 EXPT	ZP/A	304	307	82 KRAEWINKEL+ CAL.SOLAR NEUTRINO	
005 B 007	(A,G)	1.7+	5	1.2+ 6 EXPT	PRL	48	1664	82 OSBORNE+	
005 B 007	(A,G)	4.0+	5	5.5+ 5 WMU EXPT	PR/C	29	1199	84 HARDIE+ RES.WIDTH TBL	
005 B 010	(G,N)	9.0+	6	1.1+ 7 USA EXPT	PR	135	8701	64 GREEN+ SIGMA TBL & CURVE	+
005 B 010	(G,N)	8.	+ 6	2.7+ 7 AUL EXPT	NP/A	215	147	73 HUGHES+ INTEGRAT.SIGMA	+
005 B 010	(G,P)			1.3+ 7 CCP EXPT	SNP	8	245	69 SHARDANOV+ SIGMA TBL	+
005 B 010	(G,PION)	1.9+	8	TOH EXPT	PR/C	34	1123	86 YAMAZAKI+ ANG.DIST.CURVE	+
005 B 010	(G,XN)	8.4+	6	2.5+ 7 AUL EXPT	NP/A	469	381	87 AHSAN+	+
005 B 010	(G,XN)	6.	+ 6	3.0+ 7 NBS EXPT	NP/A	69	241	65 HAYWARD+ SIGMA CURVE & TABLE	+
005 B 010	(E,ELASTIC)			2.3+ 8 STF EXPT	PR	144	859	66 RAND+ MAGNETIC FORM FACTOR	+
005 B 010	(E,ELASTIC)	2.0+	8	4.0+ 8 FR EXPT	NP/A	86	225	66 STOVALL+ DIFF.SIGMA TABLE	+
005 B 010	(E,INELASTIC)	4.2+	7	STF EXPT	PR	128	2750	62 EDGE+ SIGMA TBL	+
005 B 010	(E,INELASTIC)	3.2+	7	5.7+ 7 GER EXPT	ZP	191	24	66 SPAMER	+
005 B 010	(E,INELASTIC)	4.0+	7	6.1+ 7 NRL EXPT	PR/C	14	1727	76 FAGG	+
005 B 010	(E,INELASTIC)	5.0+	7	6.0+ 7 STF EXPT	NP/A	81	529	66 KOSSANYI-DEMAY+ SIGMA CURVE/TABLE	+
005 B 010	(E,INELASTIC)	7.0+	8	TOK EXPT	NP/A	296	431	78 IZUTSU+ PROTON SPECTRAL FUNCTION	
005 B 010	(E,INELASTIC)	6.7+	7	1.9+ 8 EXPT	NP/A	322	237	79 ANSACDO+ SCATT. FORM FACTOR	
005 B 010	(E,INELASTIC)	1.0+	8	2.2+ 8 STF EXPT	NP/A	67	187	65 FRICKE+ INELASTIC FORM FACTOR	
005 B 010	(E,P)	7.0+	8	TOK EXPT	NP/A	296	431	78 IZUTSU+ PROTON SPECTRAL FUNCTION	
005 B 010	(E,SCATTERING)	8.3+	6	9.7+ 6 UFT EXPT	SNP	28	5	78 SHEVCHENKO+ RES ANALYSIS	
005 B 010	(E,SCATTERING)	NDG		USA THEO	PR/C	1	547	70 RAPHAEL+ FORM FACTOR	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
005 B 010	(E,X)	NDG		CCP THEO	SNP	15	31	72	TARTAKOVSKII+ DIFF-SIGMA CURVE	+
005 B 010	(N,G)	2.9- 5	1. -	1 BNL EXPT	PR	119	1291	60	SAFFORD+ PRECISION SIGMA	+
005 B 010	(N,G)	2.5- 2		ANL EXPT	NSE	40	12	70	MEADOWS+ PULSE-NEUTRON METHOD	+
005 B 010	(N,G)	5.0+ 4	S. +	USA EXPT	PR/C	1	847	70	NELLIS+ GAMMA YIELD	
005 B 010	(N,G)	1.5+ 7		USA EXPT	PR/C	1	847	70	NELLIS+ GAMMA YIELD	
005 B 010	(N,G)	2.5- 2		NED EXPT	NP/A	324	271	86	KOK+ GAMMA YIELD	
005 B 010	(N,G)	2.2+ 6	1.9+ 7	STF EXPT	NP/A	151	129	70	KUAN+ SIGMA CURVE	+
005 B 010	(P,G)	1.1+ 6		CAV EXPT	PR/C	20	920	79	ANTILLA+ LIFETIME OF LEVELS	
005 B 010	(P,G)	1.1+ 6		CAV EXPT	NP	24	675	61	JAMES GAMMA FROM RESONANCE	
005 B 010	(P,G)	7. + 4	2.2+ 6	OSU EXPT	PR/C	28	1431	83	WIESCHER+ SIGMA CURV	
005 B 011	(G,ELASTIC)	4.5+ 6	5.0+ 6	USA EXPT	PL/B	92	286	80	MOREH+ DEPEND-OF RES. SCATT.	
005 B 011	(G,G)	2. + 6	1.6+ 7	LRL EXPT	PR	125	335	59	COHEN+ RES-INTEGRAL	
005 B 011	(G,G)	5. + 5	3.0+ 6	USA EXPT	NP/A	57	403	64	SEWARD RESONANT SCATT.	
005 B 011	(G,G)	1.8+ 6	3.6+ 6	BLG EXPT	NP/A	120	126	65	BOOTH+ RESONANCE FLUORESCENCE	
005 B 011	(G,G)	1.5+ 7	2.7+ 6	TOH EXPT	NIM	157	423	78	KENNEDY+ NUCL-FLUORESCENCE	
005 B 011	(G,N)	1.1+ 7	2.8+ 7	AUL EXPT	NP/A	215	147	73	CRETEN+ LEVEL WIDTH	
005 B 011	(G,P)	1.5+ 7	3.2+ 7	CCP EXPT	SNP	9	149	69	KUMAGAI+ LEVEL WIDTH OF B-11	
005 B 011	(G,P)	1.7+ 7	1.9+ 7	CCP EXPT	SNP	11	4	70	HUGHES+ INTEGRAT-SIGMA	
005 B 011	(G,P)	1.0+ 8	8.0+ 8	SWD EXPT	NP/A	239	440	75	SOROKIN+ SIGMA TBL & CURVE	
005 B 011	(G,P)	1.2+ 9		SWD EXPT	NP/A	162	193	71	SOROKIN+ SIGMA CURVE	
005 B 011	(G,PION)	8.0+ 7	3.0+ 8	UI EXPT	PR/A	127	2217	62	ADLER+ SIGMA CURVE	
005 B 011	(G,PION)	3.6+ 8	2. +12	CCP EXPT	SNP	14	506	72	BLOMQUIST+ PI-PRODUCT-SIGMA CURV	
005 B 011	(G,PION)	1.4+ 8		RPI EXPT	PR/C	14	807	76	DYAL+ SIGMA CURVE	
005 B 011	(G,PION)	3.0+ 6		CCP EXPT	SNP	23	129	76	MIN+ SIGMA	
005 B 011	(G,SCATTERING)	2.0+ 7	3.2+ 7	CCP EXPT	NP	43	344	63	EPANESHNIKOV+ SIGMA CURVE	
005 B 011	(G,XG)	6. + 6	3.0+ 7	NBS EXPT	NP/A	69	241	65	VANHUYSE+ B-11 STATE	
005 B 011	(G,XN)	1.0+ 8	3.2+ 8	USA EXPT	PR	110	708	58	ALIMOV+ INTEGRATED SIGMA	
005 B 011	(G,2P)		2.5+ 8	USA EXPT	NP/A	88	523	66	KAPITONOV+ DECAYS, LEVEL & TABLE	
005 B 011	(G,3P)		2.3+ 8	STF EXPT	PR	144	859	66	HAYWARD+ SIGMA CURVE & TABLE	
005 B 011	(E,ELASTIC)	2.0+ 8	4.0+ 8	FR EXPT	NP/A	86	225	66	TAUTFEET ACTIVATION CURVE	
005 B 011	(E,ELASTIC)	4.2+ 7	5.7+ 7	GER EXPT	NP/A	128	2750	62	NEFKENS+ SIGMA TABLE	
005 B 011	(E,INELASTIC)	3.2+ 7	5.0+ 6	GER EXPT	NP/A	191	24	66	RAND+ MAGNETIC FORM FACTOR	
005 B 011	(E,INELASTIC)	4.5+ 6	5.0+ 6	GER EXPT	NP/A	198	445	67	STOVALL+ DIFF-SIGMA TABLE	
005 B 011	(E,INELASTIC)	5.2+ 7	9.0+ 7	UMA EXPT	PR/C	11	323	75	EDGE+ SIGMA TBL	
005 B 011	(E,INELASTIC)	5.0+ 7	6.0+ 7	STF EXPT	NP/A	81	329	66	SPANER+ DIFF-SIGMA TABLE	
005 B 011	(E,INELASTIC)	NDG		CCP THEO	NP/A	129	369	69	KAN+ DIFF-SIGMA TABLE	
005 B 011	(E,INELASTIC)	1.2+ 8	2.5+ 8	STF EXPT	YF	29	582	79	KOSSANYI-DEMAY+ SIGMA CURVE/TABLE	
005 B 011	(E,INELASTIC)	NDG		STF THEO	PR	139	8880	65	BALASHOV+ DOUBLE DIFF-SIGMA PLOT	
005 B 011	(E,SCATTERING)	6.0+ 8	1.2+ 9	CCP EXPT	SNP	13	144	71	POLISHUK+ COULOMB FORM FACTOR	
005 B 011	(E,X)	NDG		CCP THEO	SNP	15	31	72	GRIFFY+ MAGNETIC FORM FACTOR	
005 B 011	(N,G)	2.5- 2	2.3+ 6	USA EXPT	PR	125	1334	62	VLASENKO+ DOUBL-DIFF-SIGMA CURVE	
005 B 011	(P,G)	6.7+ 5	2.7+ 6	CRC EXPT	PR	97	104	55	TARTAKOVSKII+ DIFF-SIGMA CURVE	
005 B 011	(P,G)	1.7+ 5		CRC EXPT	PR	103	1414	56	IMHOF+ SIGMA CURVE	
005 B 011	(P,G)	4. + 6	1.4+ 7	ANL EXPT	NP/A	58	122	64	GOVE+ ANGL-DIST-OF P-CAPT-GAMMA	
005 B 011	(P,G)								CRAIG+ ANGL-DIST. OF GAMMA	
005 B 011	(P,G)								ALLAS+ GAMMA ANGL-YIELD	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
005 B 011	(P,G)	0	1.4+	7 ITY THEO	NP/A	132	649	MARANGONI+ COUPL.-CHANNEL CAL.	+
005 B 011	(P,G)	1.8+	7 4.3+	7 GVA EXPT	NP/A	399	66	ANGHINOLFI+ DIF.SIGMA TBL & CURV	+
005 B 011	(P,G)	2.+	7 8.0+	7 OSU EXTH	PR/C	30	423	BLATT+ EP VS SIGMA CURV	+
005 B 011	(P,G)	2.0+	7 1.0+	8 OSU EXPT	PR/C	37	503	HAUSMAN+ DIF.SIGMA	+
005 B 011	(P,G)	4.+	7 7.7+	6 CBR EXPT	NP	10	33	GEMMELL+ SIGMA VALUE	+
005 B 011	(P,G)	1.5+	7 2.5+	7 USA EXPT	NP	44	338	REAY+ PARTIAL SIGMA	+
005 B 011	(P,G)	NDG	7 2.1+	7 UK EXPT	NP/A	95	129	KAMIMURA+ SIGMA CURVE	+
005 B 011	(P,G)	1.3+	7 2.2+	7 YAL EXPT	NP/A	123	205	KERNEL+ PARTIAL SIGMA CURVE	+
005 B 011	(P,G)	1.4+	7 2.2+	7 YAL EXPT	PR/C	6	53	BRASSARD+ SIGMA CURVE	+
005 B 011	(P,G)	5.+	7 1.4+	7 POL EVAL	2P/A	322	611	KICINSKA-HABIOR+ SIGMA CURVE	+
005 B 011	(P,G)	4.0+	7 1.8+	5 USA EXPT	NP/A	539	75	CECIL+ SIGMA CURVE	+
005 B 011	(P,G)	4.0+	7 8.0+	7 EXPT	PRL	42	700	KOVASH+ C-12 LEVELS	+
005 B 011	(P,G)	2.+	7 6.5+	6 ORL EXPT	PR	100	21	BAIR+ GAMMA/NEUTRON YIELD	+
005 B 011	(P,G)	2.4+	7 6.7+	6 AUL EXPT	NP	33	198	OPHEL+ GAMMA YIELD	+
005 B 011	(P,G)	6.+	7 1.3+	7 USA EXPT	NP	42	669	BECKER+ P-CAPT. CURVE	+
005 B 011	(P,G)	5.0+	7 4.0+	7 EXPT	PRL	42	1253	ARNOLD GAM-SPECT TBL	+
005 B 011	(P,G)	1.+	7 6.4+	6 USA EXPT	PR/C	31	242	NOMACHI+ GAMMA RAYS	+
005 B 011	(D,G)	2.0+	7 1.2+	7 CAN EXPT	NP/A	211	221	WELLER+ SIGMA & RESONANCES	+
005 B 011	(D,G)	2.0+	7 1.2+	7 CAN EXPT	CJP	59	781	KAJRYIS+ 90DEG.DIFF.SIGMA CURVE	+
005 B 011	(D,G)	1.7+	7 3.5+	6 DKE EXPT	CJP	59	781	KAJRYIS+ 90DEG.DIFF.SIGMA CURVE	+
005 B 011	(D,G)	1.7+	7 3.5+	6 DKE EXPT	PR/C	32	1420	AUGUST+ 90DEG. SIGMA CURVE	+
005 B 011	(D,G)	2.5+	7 6.1+	7 USA EXPT	PR	131	2594	KIM+ ANGULAR CORRELATION	+
005 B 011	(A,G)	6.+	7 1.2+	7 FR EXPT	NP/A	306	77	DEGRE+ EXCITATION CURVES	+
005 B 011	(A,G)	5.7+	7 1.8+	7 CAN EXPT	CJP	55	302	DEL BIANCO+ RESONANCE ENERGY	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
006 C 000	(G,ABSORPTION)	3.1+	7	USA EXPT	PR	114	1324	PENFOLD+ TOT.PHOTON ABSORPT.SIGMA	+
006 C 000	(G,ABSORPTION)	1.3+	7 8.0+	7 NBS EXPT	PR	117	1261	WYCKOFF+ ATTENUAT.COEFF.TBL/CURVE	+
006 C 000	(G,ABSORPTION)	1.0+	7 3.0+	7 KFK EXPT	NP	17	238	ZIEGLER ABSORPT.SIGMA	+
006 C 000	(G,ABSORPTION)	1.0+	7 3.0+	8 UK EXPT	NP/A	94	73	BROOKES+ TOT.ABSORP.SIGMA TBL/CRV	+
006 C 000	(G,ABSORPTION)	1.0+	7 3.0+	7 YUG EXPT	NIM	75	190	BEZIC+ TOT.ABSORPT.SIGMA CURVE	+
006 C 000	(G,DISINTEGR.)	3.4+	7 9.8+	7 CSN EXPT	NP	38	529	PARIKH 60DEG.DIFF.SIGMA TBL	+
006 C 000	(G,ELASTIC)	2.0+	7 5.0+	7 UI EXPT	PRL	52	244	WRIGHT+ ANG.DIST.SIGMA CURV	+
006 C 000	(G,ELASTIC)	1.9+	7 5.2+	7 AUI EXPT	PR/C	32	1174	WRIGHT+ DIF.SIGMA	+
006 C 000	(G,ELASTIC)	1.6+	7	LRL EXPT	PR	112	1267	ALVAREZ+ 124DEG.SCATT.SIGMA CURVE	+
006 C 000	(G,INELASTIC)	1.8+	7 6.0+	7 USA EXPT	PR	116	120	PENFOLD+ 135DEG.DIFF.SIGMA CURVE	+
006 C 000	(G,INELASTIC)	6.2+	9	GER EXPT	2P	212	235	BRANDES 2ND PHOTON SPECTRUM	+
006 C 000	(G,MESON)	1.2+	9	7 COR EXPT	PR	97	469	LUCKEY DOUBL.DIFF.SIGMA TBL	+
006 C 000	(G,MESON)	5.0+	7 7.5+	7 STF THEO	PR	100	58	SADOFF+ MESON PHOTO PRODUCTION	+
006 C 000	(G,N)	2.3+	7	PEN EXPT	PR	103	1755	DEDRICK CAL.DIFF.SIGMA CURVE	+
006 C 000	(G,N)	2.1+	7 2.7+	7 CCP EXPT	PR	109	1801	FABRICAND+ DIF.SIGMA CURVE	+
006 C 000	(G,N)	2.0+	7 4.0+	7 STF EXPT	NP	26	233	BARANOV+ DIF.SIGMA CURVE	+
006 C 000	(G,N)	1.8+	7 3.7+	7 LRL EXPT	PR	143	790	VANHUYSE+ SIGMA	+
006 C 000	(G,N)	2.1+	7 2.6+	7 ITY EXPT	PR	118	1297	FULTZ+ SIGMA CURVE	+
006 C 000	(G,N)	2.1+	7 2.6+	7 ITY EXPT	PR	118	1297	EMMA+ ENERG. & ANGL. DIST.	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
006 C 000	(G,N)	7.0+ 7		CAN EXPT	CJP	33	785	55	DIXON ENERGY & ANGL.DISTRIBUTION
006 C 000	(G,N)	7.0+ 8	1.2+ 9	CCP EXPT	SNP	13	265	71	ANTUF'EV+ DEUTERON SPECT.
006 C 000	(G,NP)	1.8+ 7	2.9+ 7	SWD EXPT	NIM	5	37	59	KOCKUM+ PHOTO-ABSORPTION SIGMA PLT
006 C 000	(G,P)	5.0+ 7	7.5+ 7	STF THEO	PR	100	58	55	DEDRICK CAL.DIFF.SIGMA CURVE
006 C 000	(G,P)		3.5+ 7	CAN EXPT	CJP	35	987	57	LIVESEY ANGL.DISTRIBUTION
006 C 000	(G,P)	1.4+ 8	1.9+ 8	USA EXPT	PR	129	1362	63	KIM+ DIFF.SIGMA TBL
006 C 000	(G,P)		4.0+ 8	SWD EXPT	PR	265	1	73	DOUGAN+ DIFF.SIGMA TABLE
006 C 000	(G,P)	3.6+ 8	6.0+ 8	HIR EXPT	NP/A	415	462	84	ANDERSSON+ MODEL CALCULATION
006 C 000	(G,P)		2.5+ 7	PEN EXPT	PR	104	108	56	BABA+ SIGMA CURVE
006 C 000	(G,P)		4.0+ 7	STF EXPT	NP	26	233	61	COHEN+ SIGMA CURVE
006 C 000	(G,P)	2.0+ 7	2.2+ 7	PEN EXPT	PR	136	B660	64	SHIN+ SIGMA VALUE
006 C 000	(G,P)	9.0+ 7	2.5+ 8	LRL EXPT	PR	122	1634	61	CENCE+ DOUBL.DIFF.SIGMA CURVE
006 C 000	(G,P)	4.0+ 7	4.0+ 8	ORL THEO	PR/C	13	240	76	GABRIEL PHOTOPROTON SIGMA
006 C 000	(G,P)	3.6+ 8	6.0+ 8	EXPT	PL/B	113	459	82	BABA+
006 C 000	(G,P)	3.1+ 7		GER EXPT	SNP	174	337	63	FINCKH+ SPECTRUM CURVE
006 C 000	(G,P)	7.0+ 8	1.2+ 9	CCP EXPT	SNP	13	265	71	ANTUF'EV+ DEUTERON SPECT.
006 C 000	(G,P)	4.0+ 8		SWD THEO	NP	269	105	74	DOUGAN+ CAL.SIGMA CURVE
006 C 000	(G,P)	3.4+ 8		USA EXPT	PR	128	2784	62	LIU+ POLARIZATION OF PHOTOPROTONS
006 C 000	(G,P)	5.5+ 8		STF EXPT	PR	105	1840	57	WILLIAMS+ 2-DEPEND.OF PION PRODUCT
006 C 000	(G,P)	2.2+ 8	4.5+ 8	GER EXPT	NP/A	526	479	91	ARENDS+ DOUBL.DIFF.SIGMA CURVE
006 C 000	(G,P)		3.4+ 8	LRL EXPT	PR	108	1040	57	IMHOF+ POSITV.PION PRODUCT.
006 C 000	(G,P)	2.2+ 8	4.5+ 8	GER EXPT	NP/A	526	479	91	ARENDS+ DOUBL.DIFF.SIGMA CURVE
006 C 000	(G,P)	2.1+ 8	3.4+ 8	USA EXPT	PR	122	1323	61	PALFREY+ DIFF.SIGMA CURVE
006 C 000	(G,P)	1.0+ 9		COR EXPT	PR	123	1423	61	MCCLELLAND CHARGED MESON PRODUCT.
006 C 000	(G,P)	5.0+ 8		CCP EXPT	SNP	14	20	72	GRISHAEV+ SIGMA TBL
006 C 000	(G,P)	2.0+ 8	9.0+ 8	CCP EXPT	SNP	42	1	85	ARAKELIAN+ TOTAL PRODUCT. SIGMA
006 C 000	(G,P)	1.7+ 8		USA EXPT	PR	127	1772	62	SCHRAACK+ MESON PRODUCTION
006 C 000	(G,P)	1.4+ 5		IND EXPT	NIM	131	163	75	ROY+ COHERENT SCATT.SIGMA CURVE
006 C 000	(G,P)	5.0+ 7	1.3+ 8	MIT EXTH	NIM	166	91	79	PUGH+ SIGMA CURVE
006 C 000	(G,P)	1.1+ 7		EXTH	NIM	166	91	79	MOREH N-CAPT GAMMA SOURCE
006 C 000	(G,P)	1.1+ 7		CCP EXPT	SNP	8	502	69	SLABOSPITSKII+ POLARIZATION
006 C 000	(G,P)	1.8+ 7	2.9+ 7	USA EXPT	PR	137	B301	65	MIN+ TOTAL PHOTONEUT. SIGMA CURVE
006 C 000	(G,P)	1.0+ 7	1.7+ 8	CCP EXPT	SNP	7	301	68	TARAN X=PN,PNA,PA,NA,PT,NH3 SIGMA
006 C 000	(G,P)	3.0+ 7	4.0+ 7	CCP EXPT	SNP	10	119	70	TARAN SIGMA CURVE
006 C 000	(G,P)	1.0+ 7	1.6+ 8	GER EXPT	NP/A	251	479	75	ARENS+ SIGMA CURVE
006 C 000	(G,P)	1.2+ 9	5.0+ 7	CCP EXPT	SNP	21	243	75	NOGA+ SIGMA RATIO & SIGMA TBL
006 C 000	(G,P)	2.5+ 6	5.0+ 7	GER THEO	NP	255	459	72	BORIE+ CAL.PAIR PRODUCT.SIGMA
006 C 000	(G,P)	3.4+ 7	9.8+ 7	CCN EXPT	NP	38	529	62	PARIKH 60DEG.DIFF.SIGMA TBL
006 C 000	(G,P)	1.0+ 9	1.2+ 9	CCP EXPT	NP/A	101	527	67	ALFRED+ DIFF.SIGMA TABLE
006 C 000	(G,P)	1.0+ 5	1.5+ 5	GER EXPT	SNP	13	660	71	TITOV+ ELECTROPRODUCT.MECHANISM
006 C 000	(G,P)	1.2+ 8	2.0+ 8	CCP EXPT	NP	253	421	72	AHLIG+ DIFF.SIGMA VALUE
006 C 000	(G,P)	8.1+ 9	2.5+ 9	STF EXPT	PRL	52	727	84	ARNOLD+ DIFF.SIGMA TBL
006 C 000	(G,P)	7.3+ 8		NBS EXPT	PRL	53	1627	84	O'CONNELL+ AT 37.1DEG.,SIGMA CURV
006 C 000	(G,P)	NDG		SAC EXPT	NC/A	76	361	83	BARREAU+ 4ANG. ANSFER
006 C 000	(G,P)	1.0+ 7	1.0+ 8	USA EXPT	PR/C	9	1418	74	O'BRIEN+ IONIZATION LOSS
006 C 000	(G,P)	1.0+ 7	3.6+ 7	STF EXPT	PR	116	1551	59	BARBER+ NEUTRON YIELD
006 C 000	(G,P)	4.0+ 7	4.0+ 7	STF EXPT	NP	26	233	61	VANHUYSE+ SIGMA
006 C 000	(G,P)	1.1+ 12	4.1+ 12	HRV EXPT	PR	135	B1030	64	CHEN+ DIFF.SIGMA TBL
006 C 000	(G,P)	1.2+ 9		CCP EXPT	SNP	11	145	70	DOUBL.DIFF.SIGMA CURVE

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
0006 C 000	(E,SCATTERING)	2.0+	4.6.0+	4 GER EXPT	ZP	184	271 65	BRUENGER+ DIFF.SIGMA	
0006 C 000	(E,X)	2. + 3	3.0+	4 GER EXPT	ZP	244	140 71	HINK+ K-IONIZATION SIGMA	+
0006 C 000	(E,X)	1.2+ 9		CCP EXPT	SNP	21	243 75	NOGA+ SIGMA RATIO & SIGMA TBL	+
0006 C 000	(E,X)	1.1+ 8	1.2+ 8	CCP EXPT	SNP	7	181 68	BORZHKOVSKII+ DISINT.PRODUCTS	
0006 C 000	(E,X)	1. + 3	4. +	3 GER EXPT	ZP	229	131 69	HOFFMANN+ CHARACT.X-RAY DEPTH DIST	
0006 C 000	(N,G)	PILE		USA EXPT	NSE	7	395 60	NICHOLS ABSORPTION SIGMA	+
0006 C 000	(N,G)	2.5- 2		CAN EXPT	NSE	78	182 81	PRESTWICH+ SIGMA VALUE	+
0006 C 011	(P,G)	5.9+ 5		BLG THEO	NP/A	514	66 90	DESCOUEVEMONT+ GENERAT.COORDIN.MODL	
0006 C 012	(G,ABSORPTION)	1.9+ 7	2.0+ 7	USA EVAL	PR	104	1424 56	WILSON CAL.SIGMA	+
0006 C 012	(G,ABSORPTION)	2.0+ 7		PEN EXPT	PR	118	1256 60	CARROLL+ TOT.ABSORP.SIGMA	+
0006 C 012	(G,ABSORPTION)	NDG		CCP EVAL	NP	31	338 62	NEUDACHIN+ GIANT RES.OF DIPOLE RES	+
0006 C 012	(G,ABSORPTION)	9. + 6	3.1+ 7	YUG EXPT	NP/A	128	426 69	BEZIC+ TOT.PHOTONUCL.SIGMA	+
0006 C 012	(G,ABSORPTION)	1.6+ 7	3.0+ 7	GER THEO	NP/A	189	385 72	BIRKHOLZ CAL.SIGMA CURVE	+
0006 C 012	(G,ABSORPTION)	6.4+ 6		ISL EXPT	NP/A	252	423 75	MOREH+ ATTENUAT. COEFF.	+
0006 C 012	(G,A EMISSION)	2.3+ 8		CCP EXPT	SNP	44	895 86	LIKHACHEV+ SIGMA CURVE	+
0006 C 012	(G,D)	6.2+ 8	1.1+ 9	CCP EXPT	SNP	14	502 72	ANTUF'EV+ DIFF.SIGMA CURVE	+
0006 C 012	(G,D)	4.0+ 7	6.0+ 7	SAS EXPT	NP/A	197	185 72	SKOPIK+ DIFF.SIGMA PLOT	+
0006 C 012	(G,D)		4.5+ 7	USA THEO	NP	33	1 62	MADSEN+ SIGMA CURVE	+
0006 C 012	(G,D)	5.0+ 7	8.0+ 7	CCP THEO	NP/A	54	125 64	SHKLYAREVSKY INTEGRAT.SIGMA CURVE	+
0006 C 012	(G,D)	4.0+ 8	1.4+ 9	CCP EXPT	SNP	9	538 69	ANTUF'EV+ DOUBL.DIFF.SIGMA CURVE	+
0006 C 012	(G,D)	3.6+ 8	6.0+ 8	JPN EXPT	NP/A	448	578 86	BABA+ DIFF.SIGMA	+
0006 C 012	(G,DISINTEGR.)	2.7+ 7	3.3+ 7	LRL EXPT	PR	98	173 55	SOFTKY SIGMA CURVE	+
0006 C 012	(G,DISINTEGR.)	2.7+ 7	3.3+ 7	YUG EXPT	PR	100	1355 55	HAVLICEK+ C-12 LEVEL	+
0006 C 012	(G,ELASTIC)	NDG		USA THEO	NP/A	109	146 68	SILBAR+ DIFF.SIGMA VALUE	+
0006 C 012	(G,ELASTIC)	2.0+ 7	4.0+ 7	NBS EXPT	PR/C	28	8 83	DODGE+ SIGMA TBL, 11PT.	+
0006 C 012	(G,ELASTIC)	2.4+ 7	3.9+ 7	EXPT	PRL	44	1040 80	DODGE+ 90 AND 135 DEGS.	+
0006 C 012	(G,ELASTIC)		3.2+ 7	EXPT	YF	31	1407 80	ISHKHANOV+ 90 DEG.	
0006 C 012	(G,ELASTIC)	1.5+ 7	4.0+ 8	MPH EXPT	NP/A	414	333 84	KAYWARD+ MES.AT 115DEG.,SIGMA TBL	+
0006 C 012	(G,ELASTIC)		3.1+ 7	EXPT	YF	32	1460 80	ISHKHANOV+ 90 DEG.	
0006 C 012	(G,G)	1.5+ 7		NBS EXPT	PR	106	991 57	HAYWARD+ INTEGRAL SCAT.SIGMA	+
0006 C 012	(G,G)	1.5+ 7		GER EXPT	ZP	175	430 63	SCHMID+ RESONANT SCATT.	+
0006 C 012	(G,G)	2. + 6	1.6+ 7	LRL EXPT	PR	125	335 62	SEWARD RESONANT SCATT.	+
0006 C 012	(G,MISCELLAN.)		3.1+ 7	EXPT	IZV	44	2371 80	ISHKHANOV+ MIS=E+ AND E-	
0006 C 012	(G,MISCELLAN.)		1.5+ 8	EXPT	UFZ	28	966 83	DOGUJST+ MIS=P+N+A	+
0006 C 012	(G,MESON)		1.8+ 8	USA THEO	CJP	52	1405 74	CANNATA+ DIFF.SIGMA CURVE	+
0006 C 012	(G,MESON)	1.1+ 8	4.2+ 8	SPN THEO	NP/A	541	585 92	CARRASCO+ CAL.SIGMA CURVE	+
0006 C 012	(G,N)	6.3+ 7	2.6+ 8	CCP EXPT	SNP	9	1 69	DENISOV+ REACTION MECHANISM	+
0006 C 012	(G,N)		1.5+ 8	GER EXPT	NP/A	229	93 74	SCHIER+ DIFF.SIGMA CURVE	+
0006 C 012	(G,N)		1.6+ 8	EXPT	PL/B	97	41 80	GUERINGER+ 0 TO 150 DEGS.	+
0006 C 012	(G,N)	3.0+ 7	1.0+ 8	TOH EXPT	PR/C	37	13 88	MORI+ DIFF.SIGMA	+
0006 C 012	(G,N)	1.7+ 7	2.3+ 7	UI EXPT	PR	100	1375 55	SPICER+ INTEGRAT.SIGMA CURVE	+
0006 C 012	(G,N)	2.5+ 7	4.0+ 7	STF EXPT	PR	100	113 55	REAGAN N-14 PRODUCT.SIGMA CURVE	+
0006 C 012	(G,N)	1.8+ 7	2.6+ 8	STF EXPT	PR	98	73 55	BARBER+ ABSOLUTE SIGMA CURVE	+
0006 C 012	(G,N)	3.2+ 7	1.0+ 8	UI EXPT	PR	116	173 59	O'CONNELL+ RELAT.INTEG.SIGMA	+
0006 C 012	(G,N)		2.2+ 7	SAS EXPT	CJP	39	643 61	ROALSVIG+ SIGMA VALUE	+

ELEMENT Z S A	QUANTITY	ENERGY(CEV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA	
		MIN	MAX		REF	VOL	PAGE	YEAR			
012 C	) CS	2.1+	7	PEN EXPT	PR	126	709	62	BIANCO+ ACTIVATION SIGMA VALUE	+	
012 C	) CS	3.0+	7 8.0+	7 ITY EXPT	NP	34	637	62	BONAZZOLA+ SIGMA CURVE	+	
012 C	) CS	1.8+	7 5.2+	7 CCP EXPT	SNP	3	522	66	BAZHANOV+ SIGMA CURVE	+	
012 C	) CS	2.1+	7 2.7+	7 PEN EXPT	PR	141	1002	66	LOCHSTET+ SIGMA CURVE	+	
012 C	) CS	2.0+	7 6.5+	7 USA EXPT	PR	143	724	66	COOK+ SIGMA CURVE	+	
012 C	) CS	5.0+	7 1.6+	9 CCP EXPT	SNP	6	312	68	ANTUF'EV+ SIGMA CURVE	+	
012 C	) CS	1.0+	9 5.5+	9 ITY EXPT	NP/A	126	505	69	DE CARVALHO+ SIGMA PLOT	+	
012 C	) CS	1.9+	7 3.0+	7 ITY THEO	NP/A	132	649	69	MARANGONI+ COUPL.-CHANNEL CAL.	+	
012 C	) CS	1.9+	7 2.8+	7 SAC THEO	NP/A	138	481	69	MAHAUX+ DIPOLE SIGMA	+	
012 C	) CS		2.5+	7 RUM EXPT	2P	227	336	69	BACIU+ SIGMA CURVE	+	
012 C	) CS		4.2+	7 HAR EXPT	NP/A	156	257	70	MEDICUS+ INTEGRAT.SIGMA VALUE	+	
012 C	) CS	5. +	6 1.4+	7 JAN EXPT	NP/A	156	10	70	FUKUDA SIGMA CURVE & TABLE	+	
012 C	) CS	1.0+	8 1.1+	9 SWD EXPT	NP/A	158	225	70	HYLTEN INTEGRAT.SIGMA	+	
012 C	) CS	1.4+	8	GER EXPT	2P	239	447	70	KAYSER+ INTEGRAL.SIGMA VALUE	+	
012 C	) CS	NDG		CCP THEO	SNP	12	392	71	GONCHAROVA+ SIGMA CURVE	+	
012 C	) CS	1.5+	8 9.5+	8 SWD THEO	NP/A	171	529	71	ANDERSSON+ SIGMA CURVE	+	
012 C	) CS	3.0+	8 1.0+	9 ITY EXPT	NIM	93	77	71	NAPOLI+ ABSOL.SIGMA VALUE	+	
012 C	) CS	1.9+	7 2.4+	7 CCP EXPT	SNP	14	142	72	ISHKHANOV+ SIGMA CURVE	+	
012 C	) CS	1. +	9 7.4+	9 SWD EXPT	NP/A	197	44	72	ANDERSSON+ SIGMA PLOT	+	
012 C	) CS	1.6+	7 3.9+	7 BZL EXPT	PR/C	11	1083	75	WOLYNEC+ SIGMA RATIO	+	
012 C	) CS	NDG		BZL EVAL	NP/A	244	205	75	WOLYNEC+ PHOTO./ELECTRODISINT.	+	
012 C	) CS	2.2+	7 3.0+	7 JPN EXPT	NIM	147	563	77	HIRAYAMA+ EFFECT-BREMSST.SIGMA	+	
012 C	) DD	6.4+	7 1.3+	8 SAS EXPT	NP/A	163	637	71	MILLER+ DOUBL.DIFF.SIGMA PLOT	+	
012 C	) ED	3.1+	7	GER EXPT	2P	171	403	63	FUCHS+ NEUTRON SPECTRUM	+	
012 C	) ED		3.3+	7 ORL EXPT	NP/A	73	398	65	VERBINSKI+ SPECTRUM PLOT	+	
012 C	) ED	1.0+	8	SAS EXPT	NP/A	122	128	68	RAWLINS+ NEUTRON SPECTRA	+	
012 C	) YD	NDG		USA EVAL	PR	97	1185	55	MORINAGA YIELD RATIO	+	
012 C	) DD	1.9+	7 2.0+	7 PEN EXPT	PR	119	716	60	GELLER+ ACTIVAT.YIELD CURVE	+	
012 C	) CS	1.2+	8	EXPT	YF	29	572	79	KIRICHENKO+ ENERG.CORREL.,AV.ENE	+	
012 C	) CS	1.0+	8 1.5+	8 FR EXPT	NP/A	98	409	67	FERRONI+ SIGMA CURVE	+	
012 C	) AD	1.9+	8 4.3+	8	EXPT	PR/C	35	1828	87	KANAZAWA+ DIFF.SIGMA CURVE	+
012 C	) AD	2.4+	7	USA EXPT	PR	132	1134	63	MURRAY+ ANGL.COEFF.	+	
012 C	) AD	6.8+	6	2.1+	7 USA EXPT	NP	48	361	63	PARIKH PHOTOPROTON	+
012 C	) AD	5.5+	7 FR EXPT	NP/A	77	157	66		MANUZIO+ DIFF.SIGMA CURVE	+	
012 C	) AD	8.0+	7 2.9+	8 CCP EXPT	NP/A	133	225	69	ANTUF'EV+ DIFF. SIGMA CURVE	+	
012 C	) AD	1.6+	7 3.0+	7 GHT EXPT	SNP	12	627	71	CARCHON+ INTEGRAL&DIFF. SIGMA	+	
012 C	) AD	5.0+	7 2.0+	8 CCP EXPT	PR/C	14	456	76	KIRCHENKO+ TOTAL (G,P) CS	+	
012 C	) AD	4.5+	9	UFT EXTH	SNP	27	314	78	BOFFI+ DIFF. SIGMA CURVE	+	
012 C	) AD		7 2.0+	8	THEO	NP/A	359	91	81	ALANAKYAN+ DIFF.SIGMA CURVE	+
012 C	) AD	4.5+	9	CCP EXPT	NP/A	367	429	81	VAN DER STEENHOVEN+ CALC.DIF.SIGMA	+	
012 C	) AD	6.0+	6 1.0+	8 IKO THEO	PR/C	42	2597	90	STEENHOVEN+ DIFF.SIGMA CURVE	+	
012 C	) AD	6.0+	7 1.0+	8 NED THEO	PR/C	42	2597	90	SPRINGHAM+ DIFF.SIGMA TABLE	+	
012 C	) AD	4.9+	7 7.9+	7 UK EXPT	NP/A	517	93	90	PENNER+ 4PI-SIGMA CURVE	+	
012 C	) CS	2.2+	7 6.2+	7 NBS EXPT	PR	114	1101	59	GEMMELL+ SIGMA VALUE	+	
012 C	) CS	4. +	6 7.7+	6 CBR EXPT	NP	10	33	59	BALASHOV+ THEOR.SIGMA CURVE	+	
012 C	) CS	3.0+	7 9.0+	7 CCP EXPT	NP	27	337	61	KELLOGG+ SIGMA PLOT	+	
012 C	) CS	2.1+	7 2.2+	7 PEN EXPT	PR	149	798	66	FREDERICK+ TOTAL SIGMA CURVE	+	
012 C	) CS	3.1+	7 3.2+	7 USA EXPT	PR	176	1177	68	FREDERICK SIGMA CURVE	+	
012 C	) CS	1.6+	7 3.0+	7 ITY EXPT	NP/A	119	347	68	MARANGONI+ COUPL.-CHANNEL CAL.	+	
012 C	) CS	1.6+	7 2.8+	7 SAC THEO	NP/A	132	649	69	MAHAUX+ DIPOLE SIGMA	+	
012 C	) CS	1.6+	7 2.8+	7 SAC THEO	NP/A	138	481	69		+	

ELEMENT Z S A	QUANTITY	ENERGY(KEV) MIN MAX	LAB TYPE	DOCUMENTATION				COMMENTS	DATA
				REF	VOL	PAGE	YEAR		
006 C 012	(G,P)	4.2+ 7	HAR EXPT	NP/A 156	257	70		MEDICUS+ INTEGRAT.SIGMA VALUE	+
006 C 012	(G,P)	1.2+ 8	UFT EXTH	SNP 27	314	78		KIRCHENKO+ TOTAL (G,P) CS	+
006 C 012	(G,P)	2.1+ 7	2.9+ 7	GHT EXPT	PR/C 33	1796	86	KERKHOVE+ ABSOLUTE TOTAL SIGMA	+
006 C 012	(G,P)	2.8+ 7	GHT EXPT	PR/C 39	253	89		FERDINAND+ BRANCHING RATIO&SIGMA	+
006 C 012	(G,P)	4.0+ 8	1.4+ 9	CCP EXPT	SNP 9	538	69	ANTUF'EV+ DOUBL.DIFF.SIGMA CURVE	+
006 C 012	(G,P)	3.1+ 7	GER EXPT	NP/A 112	654	62		HERMANN+ PHOTOPROTON SPECTRUM	
006 C 012	(G,P)	1.0+ 8	MIT EXPT	NP/A 112	654	68		MATTHEWS+ PROTON SPECTRA	
006 C 012	(G,P)	3.1+ 7	GER EXPT	NP/A 112	654	74		WIENHARD+ 90DEG.PHOTOPROTON SPECT	
006 C 012	(G,P)	3.1+ 7	EXPT	YF 32	305	80		ISHKHANOV+ 90 DEG.	
006 C 012	(G,P)	1.9+ 8	4.3+ 8	TOK EXPT	PRL 52	2536	84	HOMMA+ AT 30DEG.,DIFF.SIGMA CURV	
006 C 012	(G,P)	6.1+ 7	7.7+ 7	SWD EXPT	PR/C 42	R1179	90	HOOREBECK+ RELATIV.EXCITATION	
006 C 012	(G,P)	5.5+ 8	7.2+ 8	CCP EXPT	SNP 14	377	72	GONCHAROV+ POLARIZATION	
006 C 012	(G,P)	1.6+ 7	3.0+ 7	GER THEO	PR/C 11	1861	75	BIRKHOLZ POLARIZATION	
006 C 012	(G,P)	3.5+ 8	CCP EXPT	SNP 51	385	90		ZYBALOV+ PROTON POLARIZATION	
006 C 012	(G,P)	NDG	USA EVAL	PR 97	1185	55		MORINAGA YIELD RATIO	
006 C 012	(G,P)	6.1+ 7	7.7+ 7	LND EXPT	PR/C 42	1179	90	VAN HOOREBEKE+ 90DEG. YIELD	+
006 C 012	(G,PION +)	1.7+ 8	1.8+ 8	USA EXPT	NP/A 517	473	90	SO+ DIFF.SIGMA CURVE	+
006 C 012	(G,PION +)	1.7+ 8	4.1+ 8	IND THEO	NP/A 159	97	70	RAO+ CAL.PI+ PRODUCT.SIGMA CURVE	+
006 C 012	(G,PION -)	3.0+ 7	1.8+ 8	CCP EXPT	SNP 52	205	90	ANAN'LIN+ DIFF.SIGMA CURVE	+
006 C 012	(G,PA)	1.2+ 8	EXPT	YF 29	572	79		KIRICHENKO+ ENERG.CORREL.,AV.ENE	+
006 C 012	(G,PD)	6.0+ 7	1.0+ 8	CCP THEO	SNP 47	627	88	BURKOVA+ CALC.DIFF.SIGMA CURVE	+
006 C 012	(G,P EMISSION)	4.0+ 7	1.5+ 8	UFT EXPT	SNP 49	569	89	VOLOSHCHUK+ INTEGRATED SIGMA	+
006 C 012	(G,PION)	2.0+ 8	EXPT	PR/C 12	1586	75		NAGL+ DIFF. SIGMA CURVE	+
006 C 012	(G,PION)	NDG	GER REVW	NP/A 358	163	81		WEISE DIFF.SIGMA CURVE	+
006 C 012	(G,PION)	NDG	CCP THEO	NP/A 429	403	84		ERAMZHYAN+ CURV	
006 C 012	(G,PION)	2.4+ 8	SAC REVW	NP/A 446	331	85		KOCH	
006 C 012	(G,PION)	5.0+ 7	1.7+ 8	TPI EVAL	SNP 49	58	89	GLAVANAKOV DIFF.SIGMA CURVE	+
006 C 012	(G,PION)	1.6+ 8	3.8+ 8	CCP EXPT	SNP 19	242	74	EPANESHNIKOV+ TOTAL SIGMA CURVE	+
006 C 012	(G,PION)	NDG	SAC REVW	NP/A 446	327	85		TAMAS	
006 C 012	(G,PION)	2.0+ 8	TOH EXPT	PR/C 33	2179	86		SHODA+ ANGULAR DIST.CURVE	+
006 C 012	(G,PION)	3.0+ 8	4.0+ 8	CCP EVAL	SNP 18	532	74	SHEBEKO+ PION SPECTRA	
006 C 012	(G,PION)	3.0+ 8	4.0+ 8	CCP EXPT	SNP 22	226	75	TONAPETYAN+ 90DEG.SIGMA CURVE	+
006 C 012	(G,PION)	NDG	2.0+ 8	CCP EXPT	SNP 5	133	67	GOVORKOV+ FORM FACTOR	
006 C 012	(G,PION)	1.9+ 8	4.3+ 8	CCP THEO	SNP 21	274	75	SHEBEKO+	
006 C 012	(G,PN)	3.4+ 6	1.5+ 7	EXPT	PR/C 35	1828	87	KANAZAWA+	
006 C 012	(G,PN)	3.4+ 7	1.5+ 8	EXPT	YF 32	881	80	DOLUST+	
006 C 012	(G,PN)	1.5+ 8	EXPT	UPJ 10	1465	82		DOLUST+	
006 C 012	(G,PN)	1.5+ 8	CCP EXPT	SNP 51	583	90		DOGYUST+ P,T & A SPECTRA	+
006 C 012	(G,PION 0)	3.0+ 8	4.5+ 8	CCP EXPT	SNP 53	379	91	BLEOUSOV+ DIFF.SIGMA TABLE	
006 C 012	(G,PION 0)	NDG	CCP THEO	SNP 53	439	91		TRYASUCHEV+ IMPULSE APPROX.	
006 C 012	(G,SCATTERING)	1.5+ 7	1.4+ 8	GER EXPT	NP/A 506	307	90	MEHLIG+ 135DEG.DIFF.YIELD CURVE	+
006 C 012	(G,SCATTERING)	1.5+ 7	1.4+ 8	GER EXPT	NP/A 506	307	90	SCHLHAAS+ DIFF.SIGMA CURVE	
006 C 012	(G,T)	3.5+ 7	5.0+ 7	UI EXPT	PR 163	1278	67	KUEHNE+ LEVEL WIDTH	
006 C 012	(G,T)	3.6+ 8	6.0+ 8	JPN EXPT	NP/A 448	578	86	KRAEMER+ SIGMA TABLE & CURVE	+
006 C 012	(G,T)	3.0+ 7	5.7+ 7	GER EXPT	NP/A 448	578	86	BABA+ DIFF.SIGMA	+
006 C 012	(G,X)	NDG	1.2+ 9	CCP EXPT	SNP 15	357	72	ANTUF'EV+ ANG. & ENER.DIFF SIGMA	+
006 C 012	(G,X)	3.0+ 7	5.7+ 7	GER EXPT	NP/A 194	81	72	ARTUS SIGMA TABLE & CURVE	+
006 C 012	(G,X)	1.1+ 8	1.1+ 8	ITY EXPT	PR/C 8	206	73	LAGEY+ THEORETICAL EVALUATION	+
006 C 012	(G,X)	1.1+ 8	1.1+ 8	MRY THEO	PR/C 16	1812	77	NAPOLI+ SPALLATION PRODUCT SIGMA	+
006 C 012	(G,X)	1.1+ 8	1.1+ 8	WU+ PRE-EQUILIBRIUM ANALYSES					

ELEMENT Z S A	QUANTITY	ENERGY(KEV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
006 C 012	(G,X)	3.0+	7 1.4+	8 EDG EXPT	NP/A	429	61	84	FLOWERS+ SIGMA CURV	
006 C 012	(G,X)	4.0+	8 3.0+	8 CCP EXPT	SNP	17	124	73	GONCHAROV+ YIELD CURVE	+
006 C 012	(G,XN)	1.9+	7 3.3+	7 BLG EXPT	NP/A	198	144	72	VAN DE VYVER+ SIGMA CURVE	
006 C 012	(G,XP)	6.0+	7 1.0+	8 GLS EXPT	PL/B	79	356	78	FINDLAY+	+
006 C 012	(G,2N)	3.2+	7 1.0+	8 UI EXPT	PR	116	173	59	O'CONNELL+ RELAT. INTEG. SIGMA	+
006 C 012	(G,2N)	1.4+	8 4.3+	8 GER EXPT	NP/A	239	447	70	KAYSER+ INTEGRAL. SIGMA VALUE	+
006 C 012	(G,2P)	1.9+	8 4.3+	8 EXPT	PR/C	35	1828	87	KANAZAWA+	
006 C 012	(G,3A)	9. +	6 2.2+	7 USA EXPT	NP/A	50	561	64	TOMS SIGMA CURVE	+
006 C 012	(G,3A)	1.2+	7 1.7+	7 SAS EXPT	CJP	43	330	65	ROALSVIG SIGMA CURVE	+
006 C 012	(G,3P)	1.0+	8 3.2+	8 USA EXPT	PR	110	708	58	TAUTFEEST ACTIVATION CURVE	+
006 C 012	(E,ABSORPTION)	1.5+	8 5.0+	8 CCP EXPT	SNP	23	265	76	VLASENKO+ TOT. HADRONIC SIGMA	+
006 C 012	(E,DISINTEGR.)	6. +	6 1.7+	7 STF EXPT	PR	111	1642	58	BARBER DISINT. YIELD	
006 C 012	(E,E)	NDG		EXPT	PR/C	36	485	87	HICKS+	
006 C 012	(E,ELASTIC)	1.0+	8 2.0+	8 CCP EXPT	SNP	5	223	67	AFANAS'EV+ DIFF. SIGMA TBL	+
006 C 012	(E,ELASTIC)	3.8+	8 7.5+	8 STF EXPT	NP/A	150	631	70	SICK+ DIFF. SIGMA TABLE	+
006 C 012	(E,ELASTIC)	NDG		CCP EVAL	SNP	16	182	73	ANTONOV+ DIFF. SIGMA	+
006 C 012	(E,ELASTIC)	NDG		SAC EVAL	NP/A	218	509	74	SICK DIFF. SIGMA CURVE	+
006 C 012	(E,ELASTIC)	2.4+	8 4.3+	8 NED EXPT	PR/C	44	1096	91	OFFERMANN+ DIFF. SIGMA TBL	+
006 C 012	(E,ELASTIC)	NDG		ITY THEO	NP/A	129	350	69	DEDIATTI FORM FACTOR	
006 C 012	(E,ELASTIC)	NDG		CCP EVAL	SNP	16	282	73	ELDYSHEV+ FORM FACTOR	
006 C 012	(E,EP)	5.0+	8	EXPT	NP/A	375	381	82	BERNHEIM+	
006 C 012	(E,EP)	NDG		EXPT	PRL	59	2259	87	ULMER+	
006 C 012	(E,EP)	7.8+	8	USA EXTH	PR/C	45	780	92	GARINO+ DIFF. SIGMA CURVE & TBL	+
006 C 012	(E,EP)	NDG		CCP THEO	SNP	22	514	75	GORCHAKOV+ PROTON SPECTRA	
006 C 012	(E,EP)	NDG		NED REVW	NP/A	434	85	85	LAPIKAS	
006 C 012	(E,EP)	NDG		NED THEO	PR/C	323	351	86	DEAN+ MOMENTUM DIST.	
006 C 012	(E,EP)	NDG		USA THEO	PR/C	45	791	92	PANDHARIPANDE+ NUCL. TRANSPARENCY	+
006 C 012	(E,EP)	4.2+	7	STF EXPT	PR	128	2750	62	EDGE+ SIGMA TBL	+
006 C 012	(E,INELASTIC)	NDG		STF THEO	NP	43	242	63	GOLDEMBERG+ 180DEG. DIFF. SIGMA	+
006 C 012	(E,INELASTIC)	NDG		USA THEO	PR	133	81190	64	GILLET+ DIFF. SIGMA CURVE	+
006 C 012	(E,INELASTIC)	4.0+	7 7.0+	7 STF EXPT	PR	134	8963	64	GOLDEMBERG+ DIFF. SIGMA CURVE	+
006 C 012	(E,INELASTIC)	NDG		GER EXPT	NP/A	80	465	66	GUDDEN+ ELECTRON SCATT. FACILITY	
006 C 012	(E,INELASTIC)	NDG		USA THEO	NP/A	109	177	68	LEWIS+ 180DEG. SCATT. FORM FACTOR	+
006 C 012	(E,INELASTIC)	1.0+	8 2.0+	8 FR EXPT	NP/A	231	509	74	PROCA+ 180DEG. DIFF. SIGMA	+
006 C 012	(E,INELASTIC)	6.0+	7 1.0+	8 SAS EXPT	NP/A	114	685	68	RICCO+ DIFF. SIGMA CURVE	+
006 C 012	(E,INELASTIC)	8.0+	7 1.5+	8 MIT THEO	NP/A	132	305	69	FOREST+ DIFF. SIGMA CURVE	+
006 C 012	(E,INELASTIC)	NDG		CAN THEO	NP/A	150	393	70	DONNELLY DIFF. SIGMA CURVE	+
006 C 012	(E,INELASTIC)	NDG		CCP THEO	SNP	12	392	71	GONCHAROVA+ SIGMA CURVE	+
006 C 012	(E,INELASTIC)	2.5+	9 2.7+	9 GER EXPT	NP/A	231	509	74	KOEHLER+ DOUBL. DIFF. SIGMA CURV	+
006 C 012	(E,INELASTIC)	3.3+	7 6.2+	7 THD EXPT	NP/A	294	129	78	FRIEBEL+ C-12 LEVEL FORM FACTOR	+
006 C 012	(E,INELASTIC)	2.0+	7 3.0+	7 GER EXPT	NP/A	358	287	81	BARREAU+ DIFF. SIGMA CURVE	+
006 C 012	(E,INELASTIC)	NDG		GER EVAL	NP/A	195	559	72	KUHL+ SIGMA CURVE	+
006 C 012	(E,INELASTIC)	1.3+	8 2.6+	8 EXPT	UFZ	28	1654	83	KNEISSL+ SIGMA CURVE COMPARE. CAL.	+
006 C 012	(E,INELASTIC)	NDG		ITY THEO	PR/C	29	777	84	BUKI+ FORM FACTOR. MOMENT TRANSFER	
006 C 012	(E,INELASTIC)	1.5+	8	UMA EXPT	PR/C	29	655	84	DELLAGIACOMA+ INTEG. RESPON. FUNC.	
006 C 012	(E,INELASTIC)	4.0+	8 8.0+	8 STF EXPT	PR	155	1062	67	RYAN+ SIGMA CURV	+
006 C 012	(E,INELASTIC)	2.5+	8	TOH EXPT	PR/C	3	1750	71	CRANNELL+ DOUBL. DIFF. SIGMA TBL	+
006 C 012	(E,INELASTIC)	NDG		GER THEO	NP/A	188	641	72	YAMAGUCHI+ DOUBL. DIFF. SIGMA CURVE	+
006 C 012	(E,INELASTIC)	5.1+	7 3.4+	8 UMA EXTH	PR/C	30	1	84	ANTONY-SPIES CAL. SIGMA CURVE	+
006 C 012	(E,INELASTIC)	NDG		ANL THEO	PR/C	38	2187	88	HICKS+ 3 ANG. FORM FACTOR CURV	+
006 C 012	(E,INELASTIC)								CHEN+ SIGMA	

ELEMENT Z S A	QUANTITY	ENERGY(CEV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
006 C 012	(E, INELASTIC)) DD	NDG		USA THEO	PR/C	44	2694	91	TALWAR+ COULOMB DISTORT.EFFECT	
006 C 012	(E, INELASTIC)) ED	NDG		ITY THEO	NP/A	106	215	68	ATTI+ ANGL. & ENERGY DISTRIBUT.	
006 C 012	(E, INELASTIC)) ED	4.3+ 7		SAS EXPT	NP/A	166	162	71	SHIN+ PROTON SPECTRA	
006 C 012	(E, INELASTIC)) ED	6.0+ 8		IND THEO	NP/A	175	417	71	SHANTA+ MOMENTUM DISTRIBUTION	+
006 C 012	(E, INELASTIC)) ED	1.2+ 7 1.6+ 7		EXPT	PR/L	43	1923	79	FLANZ+ 180DEG-SCATT-FORM FACTOR	
006 C 012	(E, INELASTIC)) ED	1.4+ 7 1.7+ 7		EXPT	NIM	160	375	79	PETERSON+ 4MAGNET SYSTEM DATA	
006 C 012	(E, INELASTIC)) XX	4.4+ 6 9.6+ 6		USA THEO	PR	104	475	56	FERRELL+ FORM FACTOR	
006 C 012	(E, INELASTIC)) XX	NDG		UBC THEO	PR	128	1343	62	KUNZ	
006 C 012	(E, INELASTIC)) XX	NDG		STF THEO	PR	139	B1217	65	DEFOREST DR. FORM FACTOR	
006 C 012	(E, INELASTIC)) XX	4.4+ 6 9.6+ 6		ORL THEO	PR	156	1136	67	HAYBRON+ TRANSITION DENSITY	
006 C 012	(E, INELASTIC)) XX	5.0+ 8 1.0+ 9		CCP EXPT	SNP	8	248	69	DEMENTII+ FORM FACTOR	
006 C 012	(E, INELASTIC)) XX	NDG		CCP THEO	SNP	12	376	71	GUL'KAROV FORM FACTOR	
006 C 012	(E, INELASTIC)) XX	4.4+ 6 9.6+ 6		CCP EXPT	SNP	23	301	76	GUL'KAROV+ FORM FACTOR	
006 C 012	(E, INELASTIC)) XX	NDG		GER REVW	NP/A	358	139	81	SPETH+ DIFF.SIGMA CURVE	+
006 C 012	(E, INELASTIC)) XX	NDG		NED THEO	NP/A	478	49	88	MULDERS	
006 C 012	(E, INELASTIC)) XX	NDG		JPN THEO	NP/A	515	609	90	SUZUKI+ FORM FACTOR	
006 C 012	(E, INELASTIC)) XX	PILE		ITY THEO	2P/A	335	401	90	CAVINATO+ MOMENTUM DISTRIBUT.	
006 C 012	(E, INELASTIC)) YD	1.0+ 8 2.0+ 8		STF EXPT	NP/A	90	152	67	CRANNELL+ TRANSITION WIDTH	
006 C 012	(E, INELASTIC)) YD	4.4+ 6 7.7+ 6		UK EXPT	NIM	101	203	72	HOGG+ FORM FACTOR	
006 C 012	(E, INELASTIC)) YD	NDG		CLU THEO	PR/C	29	2243	84	SHEPARD+ FORM FACTOR	
006 C 012	(E, INELASTIC)) YD	NDG		FR THEO	PR/C	30	731	84	DO DANG+ RESONS FUNCT. CURV	
006 C 012	(E, INELASTIC)) YD	NDG		MIL THEO	NP/A	423	376	84	CAVINATO+ RESONS.FUNC.CURV	
006 C 012	(E, INELASTIC)) YD	NDG		USA THEO	PR/C	32	248	85	CELENZA+ RESPONSE FUCT.	
006 C 012	(E, INELASTIC)) YD	NDG		CCP THEO	SNP	44	601	86	KORCHIN+ RESPONSE FUNC.	
006 C 012	(E, INELASTIC)) YD	NDG		JPN THEO	NP/A	495	581	89	SUZUKI RESPONSE FUNCTION	
006 C 012	(E, INELASTIC)) YD	3.0+ 7		NBS EXPT	PR/C	17	1531	78	KLINE+ ABSOLUTE CS	
006 C 012	(E, INELASTIC)) CS	1.6+ 7 3.9+ 7		BZL EXPT	PR/C	11	1083	75	WOLYNEC+ SIGMA RATIO	
006 C 012	(E, INELASTIC)) YD	NDG		BLG THEO	NP/A	503	694	89	RYCKEBUSCH+ RESPONSE FUNC.	
006 C 012	(E, INELASTIC)) YD	NDG		EXPT	2P/A	328	351	87	MOERSCHHEL+	
006 C 012	(E, INELASTIC)) AD	1.0+ 8 2.0+ 8		CCP EXPT	SNP	11	523	70	VYSOTSKAYA+ DIFF.SIGMA CURVE	+
006 C 012	(E, INELASTIC)) AD	2.5+ 9 2.7+ 9		GER EXPT	NP/A	231	504	74	KOEBBERLING+ ANG.DIST. CURVE	+
006 C 012	(E, INELASTIC)) DD	2.0+ 8		CAN EXPT	CJP	59	271	81	LOLOS+ DOUBLE DIFF.SIGMA CURVE	+
006 C 012	(E, INELASTIC)) DD	4.6+ 8 8.0+ 8		VIR EXPT	PR/C	42	441	90	LOURIE+ EXCIT.CURVE	+
006 C 012	(E, INELASTIC)) DD	4.6+ 8 8.0+ 8		USA EXPT	PR/C	42	441	90	LOURIE+ DOUBL.DIFF.SIGMA CURVE	+
006 C 012	(E, INELASTIC)) ED	5.0+ 8		FR THEO	NP/A	45	33	63	POTTER ENERGY DIST. CURVE	+
006 C 012	(E, INELASTIC)) XX	2.8+ 8 4.8+ 8		NED EXPT	NP/A	480	547	88	VAN DER STEENHOVEN+ DWIA ANALYSIS	
006 C 012	(E, INELASTIC)) XX	2.8+ 8 4.8+ 8		NED EXPT	NP/A	484	445	88	STEENHOVEN+ KNOCKOUT PROTON	
006 C 012	(E, INELASTIC)) YD	NDG		BLG THEO	NP/A	503	694	89	RYCKEBUSCH+ RESPONSE FUNC.	
006 C 012	(E, INELASTIC)) CS	1. + 9 4. + 9		USA EXPT	PR/C	3	1448	71	STANFIELD+ MESON PRODUCT SIGMA TBL	+
006 C 012	(E, INELASTIC)) DD	NDG		STF THEO	PR	184	1154	69	MONIZ PION ELECTROPRODUCT.	
006 C 012	(E, INELASTIC)) DD	1.1+ 9		CCP EXPT	SNP	9	772	86	TITOV+ DIFF.SIGMA CURVE	+
006 C 012	(E, INELASTIC)) DD	2.0+ 8		TOH EXPT	PR/C	33	2179	86	SHODA+ ANGULAR DIST.CURVE	+
006 C 012	(E, INELASTIC)) DD	1.9+ 8		STF EXPT	PR	104	225	56	FRAGEAU DIFF SIGMA TBL	+
006 C 012	(E, INELASTIC)) AD	NDG		IND THEO	PR	106	811	57	PAL+ CAL.DIFF.SIGMA CURVE	+
006 C 012	(E, INELASTIC)) AD	4.0+ 7		STF EXPT	PR	120	2081	60	BARBER+ EXCITATION BY SCATTERING	
006 C 012	(E, INELASTIC)) AD	6.0+ 8 8.0+ 8		STF EXPT	PR	148	1107	66	CRANNELL DIFF.SIGMA TBL	+
006 C 012	(E, INELASTIC)) AD	2.5+ 8 8.0+ 8		FR THEO	NP/A	89	192	66	BOTTINO+ SIGMA VALUE	+
006 C 012	(E, INELASTIC)) AD	NDG		USA THEO	PR	175	1235	68	KELLY+ DIFF.SIGMA CURVE	+
006 C 012	(E, INELASTIC)) AD	6.9+ 8 1.1+ 9		CCP EXPT	SNP	11	10	70	DEMENTII+ DOUBL.DIFF.SIGMA CURVE	+
006 C 012	(E, INELASTIC)) AD	3.5+ 7 5.5+ 7		NBS EXPT	PR/C	8	23	73	CHESTOK+ RADIAT.WIDTH	+
006 C 012	(E, INELASTIC)) AD	5.0+ 8		STF EXPT	PR/C	9	2230	74	WHITNEY+ SIGMA TABLE	+

ELEMENT Z S A	QUANTITY	ENERGY (eV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
006 C 012	(E, SCATTERING) AD	3.5+ 7	9.0+ 7	NED EXPT	NP/A 253	324	75		LAPIKAS+ DIFF. SIGMA	+
006 C 012	(E, SCATTERING) CS	1.9+ 8		STF EVAL	PR 99	1503	55		FREGEAU+ DIFF. PEAK SIGMA TBL/CURV	+
006 C 012	(E, SCATTERING) CS	NDG		ITY THEO	NP/A 120	135	68		BOFFI+ SIGMA CURVE	+
006 C 012	(E, SCATTERING) CS	NDG		TEX THEO	PR/C 1	1633	70		EPP+ CAL. SIGMA CURVE	+
006 C 012	(E, SCATTERING) DD	5.8+ 8	9.7+ 8	CCP EXPT	SNP 9	142	69		DEMENTII+ DOUBL. DIFF. SIGMA CURVE	+
006 C 012	(E, SCATTERING) DD	NDG		IND THEO	PR/C 30	789	84		NATARAJAN+ ANG. CORREL. CURV	
006 C 012	(E, SCATTERING) ED	1.8+ 7		UFT EXPT	SNP 28	5	78		SHEVCHENKO+ RES ANALYSIS	
006 C 012	(E, SCATTERING) XX	NDG		ANL THEO	PR 134	81025	64		KURATH FORM FACTOR	
006 C 012	(E, SCATTERING) XX	NDG		STF THEO	PR/C 1	40	70		FRIAR FORM FACTOR	
006 C 012	(E, SCATTERING) XX	NDG		FR THEO	NP/A 232	235	74		ABGRALL+ FORM FACTOR	
006 C 012	(E, SCATTERING) XX	NDG		CCP EXPT	SNP 24	237	76		BUKI+ FISS. NEUTRON YIELD	
006 C 012	(E, SCATTERING) XX	NDG		NED THEO	NP/A 435	765	85		KOCH+	
006 C 012	(E, SCATTERING) XX	4.0+ 8		GER THEO	NP/A 332	51	89		BROCKMANN+ QUASI-FREE SCATT.	
006 C 012	(E, SCATTERING) XX	NDG		AUL THEO	PR/C 41	335	90		AMOS+ FORM FACTOR	
006 C 012	(E, SCATTERING) YD	NDG		STF THEO	NP/A 84	150	66		FRIAR+ TRANSV. INEL. FORM FACTOR	
006 C 012	(E, SCATTERING) YD	NDG		UMA EXPT	PRL 41	1642	78		FLANZ+ ELECTROMAGNET. FORM FACTOR	
006 C 012	(E, SCATTERING) YD	1.6+ 8	5.2+ 8	ROM EXPT	NP/A 231	521	74		MOUGEY+ DEEP INEL SCAT.	
006 C 012	(E, X)	8.0+ 8	1.0+ 9	CCP THEO	SNP 12	663	71		BARONI+ RELATIV. YIELD CURV & TBL	+
006 C 012	(E, X)	NDG		BZL EVAL	NP/A 244	205	75		SITENKO+ SIGMA CURVE	+
006 C 012	(E, X)	NDG		CCP EXPT	SNP 5	808	67		AFANAS'EV+ DDX CURVE	+
006 C 012	(E, X)	8.5+ 8		EDG EXPT	NP/A 429	61	84		FLOWERS+ SIGMA CURV	+
006 C 012	(E, X)	3.0+ 7	1.4+ 8	USA EXPT	PR 139	8562	65		HERRING+ SIGMA RATIO	
006 C 012	(E, X)	2.7+ 7	3.2+ 8	MIT EXPT	PR/C 39	177	89		BAGHAEI+	
006 C 012	(E, X)	2.2+ 6	1.9+ 7	TNL EXPT	PR/C 35	393	87		AUGUST+	
006 C 012	(N, G)	1.6+ 7	2.2+ 7	LLL EXPT	PR/C 29	1186	84		WOODWORTH+ ANG. DIST. COEF. TBL	+
006 C 012	(N, G)	7. + 6	2.0+ 7	LAS EXPT	NP/A 456	426	86		BERGQVIST+ 90DEG. SIGMA	
006 C 012	(N, G)	8. + 6	1.1+ 7	UPP EXPT	PR/C 41	2556	90		HAKANSSON+ 90DEG. SIGMA CURVE	+
006 C 012	(N, G)	7.8+ 6	1.1+ 7	SWD EXPT	PR/C 44	1148	91		HAKANSSON+ SIGMA VALUE	+
006 C 012	(N, G)	2.5- 2	3.0+ 4	TIT THEO	NP/A 113	395	68		HO+ PARTIAL CAPT. SIGMA	+
006 C 012	(N, G)	2.5- 2		NED EXPT	NP/A 180	569	72		SPILLONG+ GAMMA INTENSITY	
006 C 012	(N, G)	2.5- 2		JPN EXPT	PR/C 41	458	90		KAMP+ NEUT.-CAPT. GAMMA	
006 C 012	(N, G)	1.5+ 5		EXPT	SNP 45	940	87		RAMAN+ RES. CAPT. MECHANISM	
006 C 012	(P, G)	4.0+ 5	2.5+ 6	EXPT	NP 26	480	61		POYARKOV+	
006 C 012	(P, G)	3. + 6	1.1+ 7	CRC EXPT	NP/A 175	462	71		GOVE+ 90DEG. YIELD OF CAPT. GAMMA	+
006 C 012	(P, G)	3. + 6	1.8+ 7	STF EXPT	NP/A 227	291	74		RIESS+ PARTIAL GAMMA SIGMA	+
006 C 012	(P, G)	1.5+ 5	3.0+ 6	CAN EXPT	PR/C 30	423	84		ROLFS+ DIFF. SIGMA CURVE	
006 C 012	(P, G)	2. + 7	8.0+ 7	OSU EXTH	PR/C 31	1607	85		BLATT+ EP VS SIGMA CURV	
006 C 012	(P, G)	1.7+ 6		OSU EXPT	PR/C 37	503	88		BROWN+ ANGULAR DIST. COEF.	
006 C 012	(P, G)	2.0+ 7	1.0+ 8	OSU EXPT	PR 100	206	55		HAUSMAN+ DIFF. SIGMA	+
006 C 012	(P, G)	8. + 6	2.2+ 7	ORL EXPT	NP 44	486	63		COHEN+ SIGMA TBL	+
006 C 012	(P, G)	1.5+ 6	2.0+ 6	USA EXPT	NP 45	113	63		YOUNG+ SIGMA VALUE	+
006 C 012	(P, G)	1.0+ 7	5.0+ 7	UK EXPT	NP/A 336	219	80		FISHER+ 90DEG. SIGMA CURVE	+
006 C 012	(P, G)	1.0+ 7	1.7+ 7	EXPT	NP/A 435	657	85		HELMER+ POLARIZED PROTON BEAMS	+
006 C 012	(P, G)	8. + 4	6. + 5	GER EXTH	PRL 44	927	80		LANGANKE+ SIGMA CURVE	+
006 C 012	(P, G)	1.4+ 7	1.4+ 7	EXTH	NIM 191	373	82		SNOVER+ POLARIZED PROTON BEAMS	
006 C 012	(P, G)	1.6+ 5		EXTH	PR/C 25	2823	82		RUDOLPH+	
006 C 012	(P, G)	2.9+ 6	4.6+ 6	EXPT	PR/C 25	2921	82		WRIGHT+	
006 C 012	(P, G)	8. + 6	6.0+ 7	EXTH	PR/C 26	332	82		WELLER+	
006 C 012	(P, G)	5. + 6	1.4+ 7	EXPT	PR/C 16	61	77		COLLINS+ ELECTROMAG. IN C-13 & N-13	
006 C 012	(P, G)	1.4+ 7		WAS EXPT	PR/C 16	61	77		MARRS+	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
006 C 012	(P-G)	1.0+	7 1.5+	7 COL EXPT	PR	157	921	FELDMAN+ PROTON-CAPT.GAMMA	
006 C 012	(P-G)	NDG		STF EXPT	PR	168	1169	DIETRICH+ GAMMA TRANSITION	
006 C 012	(P-G)	6.0+	5	FR EXPT	PR/C	10	1319	BLATT+ RESONANCE WIDTH	
006 C 012	(P-G)	NDG		AUL	NIM	147	425	HEGGIE+ Q-VALUE DETERMINATION	
006 C 012	(P-G)		4.0+	7 EXPT	PRL	42	1253	ARNOLD GAM-SPECT TBL	
006 C 012	(P-G)	8. +	5 2. +	6 EXPT	AE	49	332	ANTUEV+ ACTIVITY, LIFE OF N-13	
006 C 012	(T-G)	2.3+	6 6.5+	6 EXPT	NP/A	410	429	DRAK+ POLARIZ/UNPOLARIZ DIF.SIGMA	+
006 C 012	(H-G)	1.0+	5 3.0+	5 MON EXPT	CJP	56	1054	DEL BIANCO+ YIELD CURVES	+
006 C 012	(A-G)	9.0+	5 2.8+	6 GER EXPT	NP/A	462	385	REDDER+	
006 C 012	(A-G)	7.6+	6 8.1+	6 UK EXPT	NP/A	167	352	KERNEL+ YIELD CURVE	
006 C 012	(A-G)	1.9+	6 3.1+	6 ORL EXPT	PR/C	2	63	JASZCZAK+ SIGMA CURVE	+
006 C 012	(A-G)	1.6+	6 4.1+	6 ORL EXPT	PR/C	2	2452	JASZCZAK+ SIGMA CURVE	+
006 C 012	(A-G)	1.4+	6 2.9+	6 USA EXPT	NP/A	233	495	DYER+ ELECTRIC DIPOLE SIGMA	+
006 C 012	(A-G)	1.8+	6 4.0+	6 USA THEO	NP/A	235	460	WEISSER+ SIGMA CURVE	+
006 C 012	(A-G)	NDG		GER THEO	NP/A	439	384	LANGANKE+ CALCUL. SIGMA	+
006 C 012	(A-G)	NDG		USA THEO	PR/C	44	2530	HUMBLETT+ FITTED E1 CAPT.SIGMA	+
006 C 012	(A-G)	NDG		USA THEO	PR/C	41	1736	JI+ E1 S-FACTOR	
006 C 012	(A-G)	6.9+	6 8.2+	6 AUL EXPT	NP/A	58	529	MITCHELL+ LEVEL PARAMETER	
006 C 012	(A-G)	2.8+	6 8.3+	6 USA EXPT	NP/A	56	497	LARSON+ GAMMA SPECTRUM	
006 C 012	(A-G)	7.7+	6 8.4+	6 AUL EXPT	NP/A	66	553	MITCHELL+ LEVEL OF D-16	
006 C 012	(A-G)	NDG		USA EXPT	NP/A	220	221	KOONIN+ RESONANCE PARAMETER	
006 C 012	(A-G)	4.3+	6	BIR EXPT	NP/A	252	8	CHEW+ O-16 LEVEL WIDTH	
006 C 012	(A-G)	NDG		USA THEO	PR/C	40	515	FILIPPONE+ K-MATRIX ANALYSIS	
006 C 013	(G-ABSORPTION)	NDG		CCP EVAL	NP	31	338	NEUDACHIN+ GIANT RES.OF DIPOLE RES	+
006 C 013	(G-N)	7.6+	6 2.4+	7 EXPT	NP/A	327	53	WOODWORTH+ ANISOTROP.COEF.,LVL	
006 C 013	(G-N)	6.5+	6 9.3+	6 EXTH	PR/C	21	1699	HOLT+ 90 TO 135 DEGS.,TOF	+
006 C 013	(G-N)	6.4+	6	ORL EVAL	PR	119	1643	EDGE DEDUCED SIGMA	+
006 C 013	(G-N)	0. +	0 4. +	6 ORL THEO	PR	120	2175	FRANCIS+ CAL-SIGMA CURVE	+
006 C 013	(G-N)	6.4+	6 6.8+	6 USA EXPT	PR	135	B701	GREEN+ SIGMA TBL & CURVE	+
006 C 013	(G-N)	5. +	6 4.0+	7 OXF EXPT	NP/A	61	269	MEASDAY+ SIGMA CURVE & VALUE	+
006 C 013	(G-N EMISSION)	6.0+	6 3.7+	7 CAN EXPT	CJP	55	1704	WOODWORTH+ INTEGRATED SIGMA	+
006 C 013	(G-P)	7.6+	6 4.2+	7 EXPT	PR/C	19	1684	JURY+ PHOTOINTEGR.SIGMA	+
006 C 013	(G-P)	5. +	6 4.0+	7 USA EXPT	PR	106	300	COOK PHOTODISINT.SIGMA	+
006 C 013	(G-P)	5. +	6 4.0+	7 OXF EXPT	NP/A	61	269	MEASDAY+ SIGMA CURVE & VALUE	+
006 C 013	(G-P)	3.2+	7	GER EXPT	NP/A	179	9	KOSIEK+ SPECTRUM PLOT	+
006 C 013	(G-P)	1.8+	7 2.8+	7 AML EXPT	PR/C	27	1957	ZUBANOV+ ACTIVAT., SIGMA CURV	+
006 C 013	(G-PION -)	NDG		NED THEO	NP/A	512	699	KOCH+ DIFF.SIGMA CURVE	+
006 C 013	(G-PION -)	1.9+	8	KDR THEO	PR/C	39	2295	JEONG+ DIFF.SIGMA CURVE	+
006 C 013	(G-PION)	1.9+	8	LRL EVAL	PR/C	33	2194	SINGHAM SIGMA CURVE	+
006 C 013	(G-SCATTERING)	3.7+	6	USA EXPT	PR	183	918	RASMUSSEN+ GAMMA WIDTH	+
006 C 013	(G-X)	NDG		DOR EVAL	NP/A	219	601	KISSENER+ SIGMA CURVE	+
006 C 013	(G-XN)	5. +	6 4.0+	7 USA EXPT	PR	106	300	COOK PHOTODISINT.SIGMA	+
006 C 013	(E-E)	NDG		EXPT	PR/C	36	485	HICKS+	+
006 C 013	(E-ELASTIC)	1.2+	8 7.5+	8 STF EXPT	NP/A	157	435	HEISENBERG+ CHARGE DISTRIBUTION	
006 C 013	(E-ELASTIC)	2.5+	8	STF EXPT	NP/A	103	677	CRANNELL+ SIGMA RATIO	
006 C 013	(E-INELASTIC)	4.3+	7	SAS EXPT	NP/A	166	162	SHIN+ PROTON SPECTRA	
006 C 013	(E-INELASTIC)	3.6+	7 6.5+	7 GER EXPT	NP/A	234	120	WITTNER+ LEVEL SCHEME	
006 C 013	(E-INELASTIC)		1.0+	7 BNL EXTH	PR/C	39	14	MILLNER+ FORM FACTOR	

ELEMENT Z S A	QUANTITY	ENERGY (eV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
006 C 013	(E, SCATTERING) AD	3.5+ 7	9.0+ 7	NED EXPT	NP/A 253	324	75	LAPIKAS+ DIFF. SIGMA	+
006 C 013	(E, SCATTERING) AD	5.4+ 8		USA EXPT	PR/C 44	1679	91	MISKIMEN+ FORM FACTOR	
006 C 013	(E, X) AD	5.5+ 7	1.1+ 8	USA EXPT	PR/C 4	1514	71	BERGSTROM+ DIFF. FORM FACTOR	+
006 C 013	(N, G) AD	5.6+ 6	1.7+ 7	DKE EXPT	PR/C 31	1125	85	WRIGHT+ 90DEG. SIGMA	+
006 C 013	(N, G) CS	3.0+ 4		ORL EVAL	PR/C 3	1737	71	ALLEN+ MAXWELL-AVERAG. SIGMA	
006 C 013	(N, G) CS	NDG		GER THEO	NP/A 439	13	85	WENDLER+ CALCUL. SIGMA	
006 C 013	(N, G) YD	1.5+ 4		ORL EVAL	PR/C 41	458	90	RAMAN+ RES. CAPT. GAMMA SPECTROSC.	
006 C 013	(N, ABSORPTION) AD	1.8+ 6		GRN EXPT	PR/C 24	2443	81	BIESIOT+ N-14 LEVEL	+
006 C 013	(P, G) AD	2.3+ 7	3.3+ 7	USA EXPT	NP/A 254	1	75	PAUL+ 90DEG. SIGMA CURVE	
006 C 013	(P, G) AD	6.3+ 6	1.7+ 7	USA EXTH	PR/C 21	525	80	TURNER+ 90DEG. YIELD CURVE	
006 C 013	(P, G) CS	3.1+ 6		DKE EXPT	PR/C 43	1363	91	WIJEKUMAR+ E1 CAPT. AMPLITUDE	+
006 C 013	(P, G) CS	3.1+ 6		ORL EXPT	PR 105	202	57	WILLARD+ PEAK SIGMA VALUE	+
006 C 013	(P, G) CS	1.5+ 8	4.5+ 8	USA EXPT	NP 21	652	60	HEBBARD+ SIGMA CURVE	+
006 C 013	(P, G) CS	1.0+ 5	1.4+ 5	LRL EXPT	PR 121	584	61	HESTER+ GAMMA EXCIT. CURVE	+
006 C 013	(P, G) CS	1.7+ 6		HLS EXPT	PR/C 17	414	78	KEINONEN+ 9.13MEV STATE IN N-14	
006 C 013	(P, G) DD	3.8+ 6		EXPT CJP	58	150	80	RANGACHARYULU+ RESONANCE WIDTH	
006 C 013	(P, G) ED	1.2+ 6		HLS EXPT	PR/C 16	1303	77	BISTER+ N-14 LEVELS	
006 C 013	(P, G) XX	1.8+ 6		USA EXPT	PR 104	1028	56	MARION+ RESONANCE PARAM.	
006 C 013	(P, G) XX	1.7+ 6		NRL EXPT	PR 130	1078	63	BONDELID+ RESONANCE ENERGY	
006 C 013	(P, G) YD	1.5+ 6	2.1+ 6	BNL EXPT	PR 114	214	59	WARBURTON+ RESONANT CAPT. GAMMA	
006 C 013	(P, G) YD	1.8+ 6		USA EXPT	PR 129	1716	63	PROSSER+ N-14 STATE	
006 C 013	(P, G) YD	6.0+ 5	1.8+ 6	USA EXPT	NP/A 72	552	65	DETENBECK+ GAMMA TRANSITION	
006 C 013	(P, G) YD	1.0+ 6	1.7+ 6	HLS EXPT	NP/A 294	1	78	KEINONEN+ N-14 DECAY SCHEME	
006 C 013	(P, G) YD	5.5+ 5		WIT EXPT	PR/C 41	2429	90	SPITS+ RADIAT. WIDTH OF RES.	
006 C 013	(P, G) YD	5.5+ 5		SAR EXPT	PR/C 41	2429	90	SPITS+ RESONANCE WIDTH	
006 C 013	(P, G) YD	5.1+ 5	6.1+ 5	USA EXPT	PR/C 44	1665	91	BYUNE+ RESONANCE WIDTH	
006 C 013	(P, G) YD	1.1+ 6	4.2+ 6	MON EXPT	CJP 56	3	78	MARQUARDT+ DIF. SIGMA	+
006 C 013	(D, G) CS	1.1+ 6	4.1+ 6	USA EXPT	NP/A 211	221	73	WELLER+ SIGMA & RESONANCES	+
006 C 013	(D, G) CS	1.9+ 7	2.9+ 7	EXPT	PR/C 20	409	79	SKOPIK+ ALSO GAMMA ANG. DIST.	
006 C 013	(H, G) DD	2.5+ 7	3.0+ 7	EXPT	PR/C 19	1705	79	VENTURA+ O-16 LEVEL STRUCTURE	
006 C 013	(H, G) YD	4.1+ 6	1.2+ 7	UK EXPT	NP/A 229	241	74	CHEW+ RESONANCE PARAM.	
006 C 013	(A, G) ED	3.0+ 6	6.2+ 6	EXPT	CJP 61	1486	83	RANGACHARYULU+ E1 TRANS. STRENGTH	
006 C 014	(G, N) CS	NDG		DDR THEO	NP/A 207	78	73	KISSENER+ CAL. TOT. / PARTIAL SIGMA	+
006 C 014	(G, N) CS	1.0+ 7	2.8+ 7	TOR EXPT	PR/C 31	318	85	KUO+ GROUND STATE SIGMA	+
006 C 014	(G, N) CS	NDG	3.6+ 7	SAS EXPT	PR/C 32	384	85	PYWELL+ TOTAL PHOTONEUT. SIGMA	+
006 C 014	(G, P) CS	NDG		DDR THEO	NP/A 207	78	73	KISSENER+ CAL. TOT. / PARTIAL SIGMA	+
006 C 014	(E, SCATTERING) XX	8.2+ 7	2.7+ 8	USA EXPT	PR/C 40	1861	89	PLUM+ FORM FACTOR	
006 C 014	(P, G) AD	3.5+ 5		USA EXPT	NP 19	511	60	HEBBARD ANGL. DISTRIBUT. GAMMA	
006 C 014	(P, G) AD	2.5+ 5	6.7+ 5	USA EXPT	NP/A 128	162	69	SIEFKEN+ PARTIAL SIGMA	
006 C 014	(P, G) AD	3.2+ 6	7.7+ 6	USA EXPT	NP/A 185	284	72	WELLER+ DIFF. SIGMA CURVE	+
006 C 014	(P, G) AD	2.8+ 6	3.0+ 7	USA EXPT	PR/C 12	1410	75	HARAKEH+ DIF. SIGMA AT 90DEG CURV	+
006 C 014	(P, G) CS	7.7+ 6	1.2+ 7	USA EXPT	NP/A 207	177	73	WELLER+ SIGMA PLOT	+
006 C 014	(P, G) XX	6.1+ 5	2.7+ 6	USA EXPT	PR 172	1058	68	HENDERSON+ RESONANCE PARAM.	
006 C 014	(P, G) YD	2.1+ 5	2.5+ 6	CAN EXPT	CJP 33	441	55	BARTHOLOMEW+ CAPT. GAMMA AT RES.	
006 C 014	(P, G) YD	2.5+ 8	6.9+ 8	USA EXPT	PR 115	624	59	HEBBARD+ PROTON CAPT. GAMMA	
006 C 014	(P, G) YD	2.5+ 4	7.4+ 5	USA EXPT	NP/A 517	329	90	GOERRES+ GAMMA BRANCHING RATIO	
006 C 014	(D, G) CS	1.2+ 6	2.6+ 6	USA EXPT	PR 136	871	64	NELSON+ EXCITATION CURVE	+
006 C 014	(A, G)	1.7+ 6	2.7+ 6	EXPT	PR/C 36	1256	87	GAI+	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA	
		MIN	MAX		REF	VOL	PAGE YEAR			
006 C 014	(A,G)	1.3+ 6	3.0+ 6	WIS EXPT	PR	110	1408 58	PHILLIPS 0-18 LEVEL		
006 C 014	(A,G)	1.1+ 6	1.8+ 6	CRC EXPT	PR	113	1078 59	GOVE+ 0-18 LEVEL		
006 C 014	(A,G)	5. + 5	3.0+ 6	USA EXPT	NP/A	96	209 67	LEE+ GAMMA TRANSITION		
007 N 000	(G,N)	9.0+ 7	CCP EXPT	NP	34	551 62	KOMAR+ PHOTODISINT.SIGMA CURVE		+	
007 N 000	(G,NP)	1.7+ 7	5.2+ 7	CCP EXPT	NP	34	551 62	KOMAR+ PHOTODISINT.SIGMA CURVE		+
007 N 000	(G,P)	1.0+ 7	5.5+ 7	CCP EXPT	NP	34	551 62	KOMAR+ PHOTODISINT.SIGMA CURVE		+
007 N 000	(G,P)	3.1+ 7	GER EXPT	2P	174	337 63	FINCKH+ SPECTRUM CURVE		+	
007 N 000	(G,X)	NDG	GER THEO	2P/A	284	247 78	HEMPE IONIZATION SIGMA PLOT		+	
007 N 000	(E,SCATTERING)	1.6+ 0	1.0+ 1	USA EXPT	PR	129	2069 63	NEYNABER+ SCATT.SIGMA		+
007 N 000	(E,TOTAL)	2.5+ 1	7.5+ 2	USA EXPT	PR	127	1647 62	SMITH+ IONIZATION SIGMA		+
007 N 000	(E,X)	1. + 6	3.4+ 7	STF EXPT	PR	97	1071 55	BARBER IONIZATION SIGMA CURVE		+
007 N 000	(E,X)	4. - 2	4.6- 1	UI EXPT	PR	102	388 56	ANDERSON+ MOMENTUM TRANS.SIGMA		+
007 N 013	(G,N)	5. + 6	4.0+ 7	OXF EXPT	NP/A	61	269 65	MEASDAY+ SIGMA CURVE & VALUE		+
007 N 013	(G,P)	5. + 6	4.0+ 7	OXF EXPT	NP/A	61	269 65	MEASDAY+ SIGMA CURVE & VALUE		+
007 N 013	(P,G)	NDG	GER THEO	NP/A	435	657 85	LANGANKE+ S-FACTOR		+	
007 N 013	(P,G)	NDG	BLG THEO	NP/A	500	155 89	DESCOUEMONT+ S-FACTOR		+	
007 N 014	(G,A)	2.2+ 7	USA EXPT	NP/A	54	625 64	TOMS PHOTOALPHA SIGMA CURVE		+	
007 N 014	(G,ABSORPTION)	9.2+ 6	ANL EXPT	PR	108	1644 57	HANNA+ RESONANT ABSORPT.SIGMA		+	
007 N 014	(G,ABSORPTION)	2.0+ 7	PEN EXPT	PR	118	1256 60	CARROLL+ TOT.ABSORP.SIGMA		+	
007 N 014	(G,ABSORPTION)	9. + 6	3.1+ 7	YUG EXPT	NP/A	128	426 69	BEZIC+ TOT.PHOTONUCL.SIGMA		+
007 N 014	(G,D)	7.3+ 8	8.3+ 8	TOK EXPT	NP/A	462	727 87	IMANISHI+		+
007 N 014	(G,G)	3.0+ 7	CCP THEO	SNP	43	373 86	DUBOVOI+ CALC.SIGMA		+	
007 N 014	(G,G)	2.3+ 6	USA EXPT	PR/C	12	706 75	RASMUSSEN+ MEASURED AT 96&126 DEG		+	
007 N 014	(G,INELASTIC)	ED	EXPT	YF	32	11 80	ISHKHANOV+		+	
007 N 014	(G,N)	1.3+ 7	1.6+ 7	AUL EXPT	NP/A	465	77 87	FACCI+		+
007 N 014	(G,N)	1.7+ 7	2.6+ 7	EXPT	NP/A	337	503 80	JURY+ TOF, 48 TO 139 DEGS.		+
007 N 014	(G,N)	1.0+ 7	2.4+ 7	SAS EXPT	CJP	38	231 60	KING+ SIGMA CURVE		+
007 N 014	(G,N)	1.0+ 7	2.9+ 7	LRL EXPT	PR/C	2	2318 70	BERMAN+ SIGMA CURVE		+
007 N 014	(G,N)	1.2+ 8	7.0+ 8	SWD EXPT	NP/A	171	551 71	FRIBERG+ SIGMA CURVE		+
007 N 014	(G,N)	1.5+ 8	9.5+ 8	SWD THEO	NP/A	171	529 71	ANDERSSON+ SIGMA CURVE		+
007 N 014	(G,N)	1.6+ 7	3.0+ 7	CAN EXPT	CJP	50	1689 72	GELLIE+ DIFF.INTEGL.SIGMA		+
007 N 014	(G,N)	NDG	DDR THEO	NP/A	207	78 73	KISSENER+ CAL.TOT./PARTIAL SIGMA		+	
007 N 014	(G,N)	3.1+ 7	GER EXPT	2P	171	416 63	FUCHS+ NEUTRON SPECTRUM		+	
007 N 014	(G,N)	1.1+ 7	1.2+ 7	PEN EXPT	PR	119	716 60	GELLER+ ACTIVAT.YIELD CURVE		+
007 N 014	(G,NP)	NDG	CCP THEO	NP	44	34 63	KOPALEISHVILI+ INTEG.SIGMA VALUE		+	
007 N 014	(G,P)	1.7+ 7	2.5+ 7	VAL EXPT	PR/C	6	2032 72	CARR+ DIFF.SIGMA CURVE		+
007 N 014	(G,P)	NDG	DDR THEO	NP/A	207	78 73	KISSENER+ CAL.TOT./PARTIAL SIGMA		+	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA	
		MIN	MAX		REF	VOL	PAGE YEAR			
007 N 014	(G,PION +)	2.3+	8 2.6+	8 RPI EXPT	PR/C	41	653 90	GHEGIRA+ DIFF.SIGMA CURVE	+	
007 N 014	(G,PION +)	NDG		GER THEO	PR/C	45	230 92	KOEFISIER+ DIFF.SIGMA CURVE	+	
007 N 014	(G,PION)	3.2+	8	SAC REVW	NP/A	446	331 85	KOCH		
007 N 014	(G,PION)	2.3+	8 3.2+	8 RPI EXPT	PR/C	41	653 90	GHEGIRA+ ANGULAR DIST. CURVE	+	
007 N 014	(G,X)	NDG		CCP THEO	SNP	15	137 72	GONCHAROVA SIGMA CURVE		
007 N 014	(E,D)	1.8+	7 2.9+	7 EXTH	NP/A	350	157 80	TANEICHI+ GIANT QUADRUPOLE RES.		
007 N 014	(E,E)	8.0+	7 3.7+	8 MIT EXPT	PR/C	35	1 87	HUFFMAN+		
007 N 014	(E,ELASTIC)							RAND+ MAGNETIC FORM FACTOR	+	
007 N 014	(E,ELASTIC)	3.0+	7 5.0+	7 GER EXPT	PR	144	859 66	SCHUETZ SIGMA TABLE	+	
007 N 014	(E,INELASTIC)	4.2+	7	STF EXPT	PR	128	2750 62	EDGE+ SIGMA TBL	+	
007 N 014	(E,INELASTIC)	3.5+	7 3.8+	7 GER EXPT	PR	211	452 68	CLERC+ DIFF.SIGMA TABLE	+	
007 N 014	(E,INELASTIC)	5.0+	7 6.0+	7 STF EXPT	NP/A	81	529 66	KOSSANYI-DEMAY+ SIGMA CURVE/TABLE	+	
007 N 014	(E,INELASTIC)	NDG		CCP THEO	NP/A	129	369 69	BALASHOV+ DOUBLE DIFF.SIGMA PLOT	+	
007 N 014	(E,INELASTIC)	NDG		USA THEO	PR/C	44	2694 91	TALWAR+ COULOMB DISTORT.EFFECT		
007 N 014	(E,INELASTIC)	4.1+	7 6.0+	7	EXPT	PR/C	19	569 79	ENSSLIN+ LEVEL SCHEME	
007 N 014	(E,INELASTIC)	NDG		MIT EXPT	PR/C	9	1705 74	ENSSLIN+ FORM FACTOR		
007 N 014	(E,INELASTIC)	+		UMA EXPT	PL/B	139	249 84	HUFFMAN+ M1 FOR FACT.	+	
007 N 014	(E,SCATTERING)	2.5+	8 4.0+	8 STF EXPT	PR/C	2	2057 70	DALLY+ DIFF.SIGMA TBL	+	
007 N 014	(E,SCATTERING)	4.2+	8	USA THEO	PR	117	566 60	PAL ANALYSIS		
007 N 014	(E,SCATTERING)	1.2+	8 1.8+	8 FR EXPT	NP/A	54	353 64	BISHOP+ DIFF.SIGMA TABLE	+	
007 N 014	(E,X)	NDG		CCP THEO	SNP	15	31 72	TARTAKOVSKII+ DIFF.SIGMA CURVE	+	
007 N 014	(N,G)	2.5-	2	CRC EXPT	NP/A	50	209 64	BARTHOLOMEW+ LEVEL SPIN		
007 N 014	(N,G)	2.5-	2	NED EXPT	NP/A	145	449 70	SPIITS+ GAMMA INTENSITY		
007 N 014	(N,G)	PILE		ANL EXPT	NIM	105	453 72	LOPER+ GAMMA INTENSITY		
007 N 014	(P,G)	2.0+	5 3.6+	6 GER EXPT	NP/A	467	240 87	SCHROEDER+		
007 N 014	(P,G)	1.1+	6	FR EXPT	NP	4	112 57	GRODETZKY+ ANGL.DIST. OF GAMMA	+	
007 N 014	(P,G)	1.2+	7 2.0+	7 PTN EXPT	PR	121	858 61	COHEN+ TOTAL & DIFF.SIGMA	+	
007 N 014	(P,G)	2.4+	7 3.4+	7 USA EXPT	PR/C	12	1410 75	HARAKEH+ DIFF.SIGMA AT 90DEG CURV	+	
007 N 014	(P,G)	2.2+	6 1.9+	7 STF EXPT	NP/A	151	129 70	KUAN+ SIGMA CURVE	+	
007 N 014	(P,G)				PR/C	5	297 72	PHILLIPS+ SIGMA CURVE	+	
007 N 014	(P,G)	1.7+	6 1.8+	9 FR EXPT	PR/C	15	551 77	DRAIN+ O-15 LEVELS		
007 N 014	(P,G)	3.2+	6 3.5+	6 BLN EXPT	PR/C	15	569 77	KUAN+ O-15 LEVELS	+	
007 N 014	(P,G)	NDG			NP	6	517 58	GRODETZKY+ G-G ANGL.CORRELAT.		
007 N 014	(P,G)	2.5+	8 3.5+	8 USA EXPT	PR	99	107 55	BASHKIN+ RADIATIVE CAPTURE		
007 N 014	(P,G)	8.0+	5	AUL EXPT	NP	46	529 63	BAILEY+ GAMMA TRANSITION		
007 N 014	(P,G)	8.5+	5 2.0+	6 USA EXPT	PR	149	863 66	EVANS+ GAMMA WIDTH		
007 N 014	(P,G)	1.9+	6 2.6+	6 USA EXPT	PR	155	1047 67	EVANS O-16 LEVEL		
007 N 014	(P,G)	1.7+	6	USA EXPT	PR/C	6	95 72	KRONE+ O-15 STATE	+	
007 N 014	(D,G)	5. +	5 5.5+	6 FR EXPT	NP/A	75	226 66	SUFFERT 90DEG.DIFF.SIGMA CURVE		
007 N 014	(D,G)	2.1+	6 2.9+	6 USA EXPT	PR/C	5	648 72	WELLER+ 90DEG. YIELD		
007 N 014	(T,G)	8. +	5 3.3+	6	EXTH	PR/C	21	791 80	LINOK+	
007 N 014	(H,G)	3. +	6 1.9+	7 BIR EXPT	NP/A	395	119 83	WALTHAM+ SIGMA CURV.LEGEN.COEF.TBL	+	
007 N 014	(A,G)	2.4+	7 2.5+	7	EXPT	NP/A	327	172 79	KIESER+ PARTIAL WIDTH OF RES.	
007 N 014	(A,G)	1.3+	6 3.0+	6 WIS EXPT	PR	110	1408 58	PHILLIPS F-18 LEVEL		
007 N 014	(A,G)	1.0+	6 1.7+	6 YAL EXPT	PR	173	1021 68	PARKER RESONANCE PARAM.		
007 N 014	(A,G)	5. +	5 1.2+	6 USA EXPT	NP/A	175	300 71	COUCH+ RESONANCE PARAMETER		
007 N 014	(A,G)	1.6+	6	CSN EXPT	PR/C	39	265 89	BOGAERT+ F-18 LEVEL		
007 N 015	(G,D)	1.9+	7 2.9+	7	EXPT	PR/C	20	409 79	SKOPIK+ RESONANCE LEVEL	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
007 N 015	CG-G	NDG		EXPT	PL/B	185	11 87	MOREH+	
007 N 015	CG-G	6.3+	6	ISL EXPT	NP/A	252	429 75	MOREH+ N-15 LEVEL	
007 N 015	CG-G	1.0+	7 1.1+	7 AUI EXPT	PR/C	23	988 81	MOREH+ EXCIT.ENERGY	
007 N 015	CG-N	1.5+	7 2.5+	7 CAN EXPT	PR/C	27	506 83	WATSON+ SIGMA CURV	
007 N 015	CG-N	1.1+	7 3.8+	7 CAN EXPT	PR/C	26	777 82	JURY+	
007 N 015	CG-N	1.0+	7 2.8+	7 CAN EXPT	PR/C	40	506 89	BATES+	
007 N 015	CG-P	1.9+	7 2.5+	7 PEN EXPT	PR	110	1415 58	RHODES+	
007 N 015	CG-P	2.0+	7 3.8+	7 CCP EXPT	SNP	14	497 72	DENISOV+	
007 N 015	CG-P	1.9+	7 3.1+	7 GCP EXPT	2P	179	544 64	KOSIEK SIGMA VALUE	
007 N 015	CG-P	1.9+	7 2.5+	7 USA EXPT	PR/C	10	24 74	BAGLIN+ SIGMA CURVE	
007 N 015	CG-T	2.0+	7 2.5+	7 CCP EXPT	CJP	57	1059 79	UEGAKI+ AT 90 DEG.	
007 N 015	CG-X	NDG		CCP THEO	SNP	15	137 72	GONCHAROVA SIGMA CURVE	
007 N 015	CG-2N	2.0+	7 2.8+	7 TOR EXPT	PR/C	37	1403 88	MCNEIL SIGMA	
007 N 015	CE-E	8.4+	7 1.2+	8 SAS EXPT	NP/A	246	282 75	KIM+ FORM FACTOR	
007 N 015	CE-ELASTIC	2.5+	8 4.0+	8 STF EXPT	PR	188	1590 69	DALLY+ DIFF. SIGMA CURVE	
007 N 015	CE-ELASTIC	3.0+	7 5.0+	7 GER EXPT	2P/A	273	69 75	SCHUETZ SIGMA TABLE	
007 N 015	CE-INELASTIC	5.2+	7 1.9+	8 SAS EXPT	PR/C	18	597 78	ANSALDO+ EGR IN N-15	
007 N 015	CE-INELASTIC	7.0+	7 3.3+	8 MIT EXPT	PR/C	28	513 83	SINGHA+ FORM FACTOR CURV	
007 N 015	CE-INELASTIC	9.8+	6 1.5+	7 SAS EXPT	CJP	55	2129 77	ANSOLDO+ FORM FACTOR	
007 N 015	CE-P	1.9+	7 3.0+	7 SAS EXPT	NP/A	246	221 75	MURPHY+ ANG.DIFF. CURVE	
007 N 015	CE-SCATTERING	2.5+	8 4.0+	8 STF EXPT	PR/C	2	2057 70	DALLY+ DIFF. SIGMA TBL	
007 N 015	CE-T	2.0+	7 2.5+	7 EXPT	CJP	57	1059 79	UEGAKI+ AT 90 DEG.	
007 N 015	CN-G	5.6+	6 1.3+	7 EXPT	PR/C	25	89 82	WENDER+	
007 N 015	CP-G	1.2+	7 2.0+	7 PTN EXPT	PR	121	858 61	COHEN+ TOTAL & DIFF. SIGMA	
007 N 015	CP-G	2.8+	6 3.0+	7 USA EXPT	PR/C	12	1410 75	HARAKEH+ DIFF. SIGMA AT 90DEG CURV	
007 N 015	CP-G	8.6+	6 1.8+	7 STF EXPT	PR/C	17	892 78	O'CONNELL+ GIANT RES.	
007 N 015	CP-G	1.6+	7 2.0+	7 EXPT	PRL	43	117 79	SNDOVER+ O-16 STATE WIDTH TBL	
007 N 015	CP-G	1.8+	7 4.0+	7 GVA EXPT	PR/C	28	1005 83	ANGHINOLFI+ SIGMA TBL	
007 N 015	CP-G	2.0+	7 1.0+	8 OSU EXPT	PR/C	37	503 88	HAUSMAN+ DIFF. SIGMA	
007 N 015	CP-G	1.5+	5 7.0+	5 USA EXPT	NP	15	289 60	HEBBARD SIGMA CURVE	
007 N 015	CP-G	1.5+	8 2.5+	9 USA EXPT	NP/A	235	450 74	ROLFS+ SIGMA CURVE	
007 N 015	CP-G	4. +	6 1.2+	7 CAN THEO	PR/C	11	450 75	RAMAVATARAM+ ANALYZING POWER	
007 N 015	CP-G	4. +	6	BNL EXPT	PR	105	683 57	WILKINSON+ GAMMA YIELD	
007 N 015	CP-G	1.6+	7 2.6+	7 UK EXPT	NP/A	52	45 64	TANNER+ RELATIVE YIELD	
007 N 015	CP-G	1. +	6 1.4+	7 UK EXPT	NP/A	95	241 67	EARLE+ O-16 LEVEL	
007 N 015	CP-G	4. +	5 1.9+	6 FR EXPT	NP/A	113	221 68	GRODETZKY+ RESONANCE WIDTH	
007 N 015	CP-G	4.1+	6 1.3+	7 UK EXPT	NP/A	152	257 70	BARNETT+ RESONANCE	
007 N 015	CP-G	1.0+	7 2.0+	7 UK EXPT	NP/A	229	241 74	CHEW+ RESONANCE PARAM.	
007 N 015	CP-G	NDG		OSU EVAL	PR/C	37	1759 88	RACKERS+ SIGMA RATIO	
007 N 015	CP-G	2.5+	6 9.5+	6 WAU EXPT	PR/C	27	1837 83	SNDOVER+ (P,G),(P,PG),(P,AG),RESTBL	
007 N 015	CH-G	3. +	6 1.9+	7 BIR EXPT	NP/A	395	119 83	WALTHAM+ SIGMA CURV, LEGEN. COEF. TBL	
007 N 015	(A-G)	5.4+	5 5.4+	5 YAL EXPT	NP/A	470	206 87	MAGNUS+	
007 N 015	(A-G)	1.7+	6 1.8+	6 CAN EXPT	CJP	48	1617 70	ANTILLA+ DOPPL-SHIFT METH, LIFE	
007 N 015	(A-G)	6.0+	5 3.2+	6 CAN EXPT	CJP	49	1714 71	AITKEN+ RES. PARAMETER	
007 N 015	(A-G)	1.7+	6	CAN EXPT	CJP	50	268 72	DIXON+ YIELD RATIO	
007 N 015	(A-G)	8.5+	5	CAN EXPT	CJP	50	2428 72	ROGERS+ GAMMA STRENGTH	
007 N 015	(A-G)	1.7+	6 2.7+	6 CAN EXPT	CJP	50	2428 72	ROGERS+ RES. PARAMETER	
007 N 015	(A-G)	4.0+	6 6.3+	6 UK EXPT	NP/A	225	253 74	UNDERWOOD+ RES. PARAM.	
007 N 015	(A-G)	5.2+	6 8.4+	6 UK EXPT	JP/G	4	411 78	SYMONS+ F-19 LEVELS	

ELEMENT Z S A	QUANTITY	ENERGY (EV) MIN MAX	LAB TYPE	DOCUMENTATION			COMMENTS	DATA
				REF	VOL	PAGE YEAR		
008 0 000	(G, ABSORPTION) CS	3.1+ 7	USA EXPT	PR	114	1324 59	PENFOLD+ TOT. PHOTON ABSORPT. SIGMA	+
008 0 000	(G, ABSORPTION) CS	1.0+ 7 3.0+ 7	KFK EXPT	NP	17	238 60	ZIEGLER ABSORPT. SIGMA	+
008 0 000	(G, INELASTIC) AD	1.6+ 7 6.0+ 7	USA EXPT	PR	116	120 59	PENFOLD+ 135DEG. DIFF. SIGMA CURVE	+
008 0 000	(G, NP) AD	3.0+ 7	UK EXPT	NP/A	70	241 65	GARVEY+ DIFF. SIGMA CURVE & TABLE	+
008 0 000	(G, P) AD	4.0+ 8	SND EXPT	ZP	265	1 73	DOUGAN+ DIFF. SIGMA TABLE	+
008 0 000	(G, P) CS	1.4+ 7 2.5+ 7	PEN EXPT	PR	99	839 55	STEPHENS+ SIGMA CURVE	+
008 0 000	(G, P) CS	2.5+ 7	PEN EXPT	PR	104	108 56	COHEN+ SIGMA CURVE	+
008 0 000	(G, P) CS	3.6+ 7	STF EXPT	PR	127	1746 62	DODGE+ PHOTOPROTON SPECTRA	+
008 0 000	(G, P) ED	3.1+ 7	GER EXPT	ZP	174	337 63	FINCKH+ SPECTRUM CURVE	+
008 0 000	(G, P) XX	3.4+ 8	MIT EXPT	PR	99	1621 55	WEINSTEIN+ P-P COINCIDENCE	+
008 0 000	(G, PION +) DD	2.2+ 8 4.5+ 8	GER EXPT	NP/A	526	479 91	ARENDS+ DOUBL. DIFF. SIGMA CURVE	+
008 0 000	(G, PION -) DD	2.2+ 8 4.5+ 8	GER EXPT	NP/A	526	479 91	ARENDS+ DOUBL. DIFF. SIGMA CURVE	+
008 0 000	(G, PION) CS	2.0+ 8 9.0+ 8	CCP EXPT	SNP	42	1 85	ARAKELYAN+ TOTAL PRODUCT. SIGMA	+
008 0 000	(G, X) CS	1.0+ 7 1.6+ 8	GER EXPT	NP/A	251	479 75	ARENS+ SIGMA CURVE	+
008 0 000	(G, X) DD	2.2+ 8 4.5+ 8	GER EXPT	NP/A	526	479 91	ARENDS+ DOUBL. DIFF. SIGMA CURVE	+
008 0 000	(E, ELASTIC) CS	2. + 0 1.2+ 1	USA EXPT	PR	123	148 61	NEYNABER+ TOTAL COLLISION SIGMA	+
008 0 000	(E, INELASTIC) CS	7.3+ 8	NBS EXPT	PRL	53	1627 84	O'CONNELL+ AT 37.1DEG. SIGMA CURV	+
008 0 000	(E, SCATTERING) CS	1.5+ 6 3.0+ 6	USA EVAL	PR	114	1026 59	LIN+ SIGMA CURVE	+
008 0 015	(P, G) AD	2.4+ 7 3.4+ 7	USA EXPT	PR/C	12	1410 75	HARAKEH+ DIFF. SIGMA AT 90DEG CURV	+
008 0 016	(G, A) CS	2.2+ 7	USA EXPT	NP/A	54	625 64	TOMS PHOTOALPHA SIGMA CURVE	+
008 0 016	(G, A) CS	1.2+ 7 1.7+ 7	SAS EXPT	CJP	43	330 65	ROALSVIG SIGMA CURVE	+
008 0 016	(G, ABSORPTION) CS	2.0+ 7	PEN EXPT	PR	118	1256 60	CARROLL+ TOT. ABSORP. SIGMA	+
008 0 016	(G, ABSORPTION) CS	1.6+ 7 2.6+ 7	UK EXPT	NP/A	52	45 64	TANNER+ SIGMA CURVE & VALUE	+
008 0 016	(G, ABSORPTION) CS	NDG	NOR THEO	NP/A	64	289 65	OSTGAARD QUASI-DEUTERON PRODUCT.	+
008 0 016	(G, ABSORPTION) CS	2.1+ 7 2.8+ 7	SAC THEO	NP/A	97	631 67	GILLET+ CAL. SIGMA CURVE	+
008 0 016	(G, ABSORPTION) CS	1.5+ 7 2.7+ 7	GER THEO	PR	170	893 68	WAHSEWELLER+ TOTAL PHOTO SIGMA CURV	+
008 0 016	(G, ABSORPTION) CS	9. + 6 3.1+ 7	YUG EXPT	NP/A	128	426 69	BEZIC+ TOT. PHOTONUC. SIGMA	+
008 0 016	(G, ABSORPTION) CS	2.7+ 7 3.6+ 7	CAN EXPT	NP/A	151	161 70	HOROWITZ+ TOT. ABSORPTION SIGMA	+
008 0 016	(G, ABSORPTION) CS	2.0+ 7 2.6+ 7	USA THEO	NP/A	165	152 71	PEREZ+ DIPOLE PHOTO. ABS. SIGMA	+
008 0 016	(G, ABSORPTION) CS	1.6+ 7 2.8+ 7	CCP THEO	SNP	24	264 76	BARZ+ PHOTOABSORPT. SIGMA	+
008 0 016	(G, ABSORPTION) XX	NDG	LAS THEO	PR	174	1290 68	WALKER COMPARISON WITH MUON CAPT.	+
008 0 016	(G, D) CS	4.5+ 7	USA THEO	NP	33	1 62	MADSEN+ SIGMA CURVE	+
008 0 016	(G, D) YD	2.0+ 7 8.0+ 7	CCP EXPT	SNP	3	198 66	VOLKOV+ REACTION YIELD	+
008 0 016	(G, DISINTEGR.) CS	2.0+ 7 2.5+ 7	SND THEO	NP	4	234 57	WILHELMSSON+ CAL. SIGMA CURVE	+
008 0 016	(G, DISINTEGR.) YD	2.7+ 7 3.3+ 7	YUG EXPT	PR	100	1355 55	HAVLICEK+ 0-16 LEVEL	+
008 0 016	(G, DISINTEGR.) YD	7.0+ 7	CAN EXPT	CJP	34	241 56	DAWSON+ PHOTODISINTEGRATION	+
008 0 016	(G, ELASTIC) AD	2.0+ 7 4.0+ 7	NBS EXPT	PR/C	28	8 83	DODGE+ SIGMA TBL, 11PT.	+
008 0 016	(G, ELASTIC) CS	3.2+ 7	EXPT	YF	31	1407 80	ISHKHANOV+ 90 DEG.	+
008 0 016	(G, G) YD	2.2+ 7 2.8+ 7	LRL EXPT	PR/C	35	2005 87	LEBRUM+	+
008 0 016	(G, G) AD	2. + 6 1.6+ 7	EXPT	PR	125	335 62	SEWARD RESONANT SCATT.	+
008 0 016	(G, MESON) ED	NDG	CAN THEO	CJP	53	1292 75	RAO+ CHARGED PION PRODUCT.	+
008 0 016	(G, MESON) ED	2.0+ 8	USA EXPT	NP/A	139	329 69	KELLY+ PION SPECTRA	+
008 0 016	(G, N) AD	NDG	USA EXPT	NP/A	56	73 64	FUJII+ ANGL. DISTRIBUT.	+
008 0 016	(G, N) AD	1.7+ 7 3.0+ 7	CAN EXPT	CJP	47	1037 69	KHAN+ DIFF. SIGMA TABLE/CURVE	+
008 0 016	(G, N) AD	NDG	YAL THEO	PR/C	2	2068 70	MUSTAFA+ DIFF. SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY (EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
008 0 016	CG,N	6.3+	7 1.5+	8 GER EXPT	NP/A	229	93	74	SCHIER+ DIFF.SIGMA CURVE	+
008 0 016	CG,N	1.7+	7 2.9+	7 CAN EXPT	CJP	53	1434	75	JOHNSON+ DIFF.SIGMA CURVE	+
008 0 016	CG,N	2.5+	7 4.5+	7 EXPT	PR/C	20	1689	79	PHILLIPS+ TOFF, 6ANGLES	
008 0 016	CG,N		1.6+	8 EXPT	PL/B	97	41	80	GOERINGER+ 0 TO 150 DEGS.	
008 0 016	CG,N		6.0+	7 BOL THEO	NP/A	422	273	84	CAVINATO+	
008 0 016	CG,N	NDG			NP/A	476	237	88	RYCKEBUSCH+ ANALYS.WITH RPA MODEL	+
008 0 016	CG,N	1.6+	7 2.3+	7 UI EXPT	PR	100	1377	55	PENFOLD+ SIGMA TBL & CURVE	+
008 0 016	CG,N	2.9+	7 1.0+	8 UI EXPT	PR	116	173	59	O'CONNELL+ RELAT.INTEG.SIGMA	+
008 0 016	CG,N		1.7+	7 SAS EXPT	CJP	37	1357	59	KING+ INTEGRAT.SIGMA	+
008 0 016	CG,N	1.8+	7 1.8+	7 HUN EXPT	NP	23	513	61	KESZTHELYI+ SIGMA CURVE	+
008 0 016	CG,N		2.2+	7 SAS EXPT	CJP	39	643	61	ROALSVIG+ SIGMA VALUE	+
008 0 016	CG,N	3.3+	7 3.3+	7 GER EXPT	NP	165	485	61	BRIX+ INTEGRAL-SIGMA VALUE	+
008 0 016	CG,N	2.1+	7 3.3+	7 PEN EXPT	PR	126	709	62	BIANCO+ ACTIVATION SIGMA VALUE	+
008 0 016	CG,N		3.3+	7 GER EXPT	NP	30	417	62	BREUER+ INTEGRAT.SIGMA	+
008 0 016	CG,N	1.6+	7 3.0+	7 LRL EXPT	PR	133	869	64	BRAMBLETT+ SIGMA CURVE	+
008 0 016	CG,N	1.8+	7 2.7+	7 USA EXPT	PR	136	848	64	BIANCO+ ABSOLUTE SIGMA	+
008 0 016	CG,N	2.3+	7 6.5+	7 USA EXPT	PR	143	712	66	EICHLER CAL. SIGMA CURVE	+
008 0 016	CG,N	1.6+	7 6.5+	7 USA EXPT	PR	143	712	66	COOK+ SIGMA CURVE	+
008 0 016	CG,N	1.9+	7 2.7+	7 CCP THEO	NP/A	103	450	67	KABACHNIK+ SIGMA CURVE & VALUE	+
008 0 016	CG,N	3.5+	7 6.5+	7 RPI EXPT	NP/A	127	669	69	NAGLE+ SIGMA CURVE	+
008 0 016	CG,N	1.6+	7 2.7+	7 SAC THEO	NP/A	132	433	69	SARUIS+ SIGMA CURVE	+
008 0 016	CG,N	1.6+	7 2.7+	7 JPN THEO	NP/A	132	385	69	FUJII SIGMA CURVE	+
008 0 016	CG,N	1.6+	7 2.8+	7 SAC THEO	NP/A	138	481	69	MAHAUX+ DIPOLE SIGMA	+
008 0 016	CG,N	1.5+	7 2.7+	7 GER EXPT	NP	239	461	70	FILSS+ SIGMA CURVE	+
008 0 016	CG,N	1.6+	7 2.5+	7 CCP EXPT	SNP	12	484	71	ISHKHANOV+ SIGMA CURVE	+
008 0 016	CG,N	4.0+	7 1.4+	8 GER EXPT	NP/A	162	330	71	WEISE+ SIGMA CURVE	+
008 0 016	CG,N	1.0+	8 8.0+	8 SWD EXPT	NP/A	171	560	71	ADLER+ SIGMA CURVE	+
008 0 016	CG,N	1.0+	8 8.0+	8 SWD EXPT	NP/A	171	551	71	FRIBERG+ SIGMA CURVE	+
008 0 016	CG,N	1.5+	8 9.5+	8 SWD THEO	NP/A	171	529	71	ANDERSSON+ SIGMA CURVE	+
008 0 016	CG,N	NDG			PR/C	5	1898	72	WANG+ SIGMA CURVE	+
008 0 016	CG,N	1.6+	7 2.4+	7 AUL EXPT	NP/A	196	89	72	THOMAS+ SIGMA CURVE	+
008 0 016	CG,N	1.6+	7 3.9+	7 LLL EXPT	PR/C	21	503	80	JURY+ MONOCHRO. PHOTONS	+
008 0 016	CG,N	3.0+	7 3.5+	7 TOR EXTH	PR/C	27	1	83	BERMAN+ SIGMA CURV	+
008 0 016	CG,N	1.7+	7 2.1+	7 CCP EXPT	SNP	42	662	85	KUO+ SIGMA CURV,INTEG.SIGMA	+
008 0 016	CG,N	6	3.1+	7 CAN EXPT	CJP	48	1635	70	BELYAEV+ SIGMA CURVE	+
008 0 016	CG,N	6.0+	7 1.6+	8 EXPT	PL/B	109	11	82	SCHOCH+	+
008 0 016	CG,N	6.0+	7 1.6+	8 EXPT	NP/A	384	414	82	GOERINGER+	+
008 0 016	CG,N	3.1+	7 3.3+	7 ORL EXPT	NP/A	73	398	65	FUCHS+ NEUTRON SPECTRUM	+
008 0 016	CG,N	NDG			PR/C	9	2144	74	VERBINSKI+ SPECTRUM PLOT	+
008 0 016	CG,N	NDG			PR	97	1185	55	WANG+ POLARIZATION	+
008 0 016	CG,N	2.5+	7 1.7+	7 PEN EXPT	PR	115	420	59	MORINAGA YIELD RATIO	+
008 0 016	CG,N	1.6+	7 1.7+	7 HAR EXPT	NP/A	52	437	64	PENFOLD+ REACTION ENERGY	+
008 0 016	CG,N	1.5+	7 3.3+	7 HAR EXPT	NP/A	52	437	64	GELLER+ ACTIVAT.YIELD CURVE	+
008 0 016	CG,N	2.1+	7 3.0+	7 KFK EXPT	NP/A	123	1097	69	FIRK ENERGY LEVEL	+
008 0 016	CG,N	3.2+	7 3.2+	7 CCP EXPT	NP	44	34	63	MURRAY+ 0-15 LEVEL	+
008 0 016	CG,NP	NDG			NP/A	533	441	91	ULLRICH+ REACTION YIELD	+
008 0 016	CG,NP	NDG			NP/A	533	269	91	KOPALEISHVILI+ INTEG.SIGMA VALUE	+
008 0 016	CG,NP	8.0+	7 1.3+	8 GER EXPT	NP/A	533	269	91	BOFFI+ DOUBL-DIFF.SIGMA CURVE	+
008 0 016	CG,NX	1.0+	8 1.5+	8 FR EXPT	NP/A	98	409	67	MAGREGOR+ MASS YIELD	+
008 0 016	CG,NX				NP/A	98	409	67	FERRONI+ SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(KEV) MIN MAX	LAB TYPE	DOCUMENTATION			COMMENTS	DATA
				REF	VOL	PAGE YEAR		
008 0 016	(G,P	1.9+ 8 4.3+ 8	EXPT	PR/C	35	1828	KANAZAWA+	
008 0 016	(G,P	3.0+ 7 7.0+ 7	CAN EXPT	CJP	34	1022	LIVSEY+ ANGL-DISTRIBUTION	
008 0 016	(G,P	NDG	USA THEO	NP/A	56	73	FUJII+ ANGL-DISTRIBUT.	
008 0 016	(G,P	2.8+ 7 3.3+ 7	CCP EXPT	NP/A	113	289	DENISOV+ DIFF. & INTEGRAT.SIGMA	+
008 0 016	(G,P	2.1+ 7 3.3+ 7	USA EXPT	PR	186	992	FREDERICK+ ANGL.DIST.COEFF.	
008 0 016	(G,P	2.2+ 7 2.2+ 7	CCP EXPT	SNP	8	383	TUTAKIN PHOTOPROTON ANG.DIST.	
008 0 016	(G,P	2.0+ 7 3.0+ 7	YAL EXPT	NP/A	138	73	BAGLIN+ DIFF.SIGMA CURVE	+
008 0 016	(G,P	NDG	YAL THEO	PR/C	2	2068	MUSTAFA+ DIFF.SIGMA CURVE	+
008 0 016	(G,P	1.2+ 8	EXPT	UF2	25	229	KHODJACHIKH+ TOTAL AND DIFF.	
008 0 016	(G,P	5.0+ 7 2.0+ 8	THEO	NP/A	359	91	BOFFI+ DIFF. SIGMA CURVE	+
008 0 016	(G,P	6.0+ 7	BOL THEO	NP/A	422	273	CAVINATO+	
008 0 016	(G,P	1.0+ 8 4.0+ 8	MIT EXPT	PR/C	31	1633	LEITCH+ 21POINT DATA	+
008 0 016	(G,P	2.0+ 8 3.6+ 8	RPI EXPT	PR/C	38	2771	ADAMS+ ANGULAR DIST.	+
008 0 016	(G,P	1.4+ 7 1.9+ 7	UI EXPT	PR	99	33	SPICER SIGMA CURVE	+
008 0 016	(G,P	3.2+ 7	GER EXPT	NP/A	103	450	BRIX+ PHOTOPROTON SIGMA	+
008 0 016	(G,P	1.3+ 7 2.7+ 7	CCP THEO	NP/A	132	433	KABACHNIK+ SIGMA CURVE & VALUE	+
008 0 016	(G,P	1.3+ 7 2.7+ 7	SAC THEO	NP/A	138	481	SARUIS+ SIGMA CURVE	+
008 0 016	(G,P	1.2+ 7 2.8+ 7	SAC THEO	NP/A	138	481	MAHAUX+ DIPOLE SIGMA	+
008 0 016	(G,P	2.4+ 7 3.3+ 7	GER EXPT	NP/A	162	330	HOFMANN+ SIGMA CURVE & TABLE	+
008 0 016	(G,P	4.0+ 7 1.4+ 8	GER EXPT	NP/A	171	560	WEISE+ SIGMA CURVE	+
008 0 016	(G,P	1.0+ 8 8.0+ 8	MIT THEO	PR/C	5	1898	ADLER+ SIGMA CURVE	+
008 0 016	(G,P	4.0+ 7 1.0+ 8	GER THEO	NP/A	186	353	WANG+ SIGMA CURVE	+
008 0 016	(G,P	5.0+ 7 3.5+ 8	CAR THEO	PR/C	33	776	FINK+ INTEGRAT.SIGMA CURVE	+
008 0 016	(G,P	3.5+ 7	GER EXPT	NP/A	155	109	CHEUNG+ ENERG & ANG-DIST.CURVE	+
008 0 016	(G,P	1.9+ 8 4.3+ 8	TOK EXPT	PRL	52	2536	BRIX+ SPECTRUM CURVE	
008 0 016	(G,P	6.1+ 7 7.7+ 7	SWD EXPT	PR	42	1179	HEGEL+ AT 30DEG.-DIFF.SIGMA CURV	
008 0 016	(G,P	NDG	USA EVAL	PR	97	1185	HOMMA+ RELATIV.EXCITATION	
008 0 016	(G,P	2.2+ 7	CCP EXPT	SNP	5	946	HOOREBECK+ YIELD RATIO	
008 0 016	(G,P	2.1+ 7 3.0+ 7	NRL EXPT	PR	182	1097	MORINAGA PROTON YIELD	
008 0 016	(G,P	3.2+ 7	KFK EXPT	NP/A	123	641	TUTAKIN REACTION YIELD	
008 0 016	(G,P	6.1+ 7 7.7+ 7	LND EXPT	PR/C	42	1179	MURRAY+ N-15 LEVEL	
008 0 016	(G,P	NDG	GER REVW	NP/A	358	163	ULLRICH+ 90DEG. YIELD	
008 0 016	(G,P	1.0+ 8 3.0+ 8	UI EXPT	PR	138	1421	WEISE+ DIFF.SIGMA CURVE	+
008 0 016	(G,P	NDG	USA THEO	PR/C	7	1785	MEYER+ POSITV.PION PRODUCT.SIGMA	+
008 0 016	(G,P	2.5+ 8	TMF THEO	PR/C	23	351	RAO+ CAL.SIGMA TBL & CURVE	+
008 0 016	(G,P	1.9+ 8 4.3+ 8	EXPT	PR/C	35	1828	SAHARIA+ SIGMA CURVE	+
008 0 016	(G,P	4.0+ 7 1.6+ 8	GER THEO	NP/A	123	641	KANAZAWA+	
008 0 016	(G,T	2.5+ 7 5.5+ 7	GER EXPT	NP/A	192	282	WEISE+ SIGMA CURVE	+
008 0 016	(G,TOTAL	NDG	SPN THEO	NP/A	368	375	GOLDMANN+ SIGMA CURVE	+
008 0 016	(G,X	1.0+ 8 2.0+ 8	DEN THEO	NP	36	56	OSET+ SIGMA CURVE	+
008 0 016	(G,X	3.8+ 7 5.7+ 7	GER EXPT	NP	189	355	REITAN QUASI-D PRODUCT.SIGMA	+
008 0 016	(G,X	1.2+ 7 3.2+ 7	UK THEO	NP/A	95	271	ARTUS SIGMA TABLE & CURVE	+
008 0 016	(G,X	2.5+ 7 5.5+ 7	GER EXPT	NP/A	207	1	BUCK+ SIGMA CURVE	+
008 0 016	(G,X	1. + 9	ITY EXPT	PR/C	8	206	KRAEMER+ SIGMA TABLE & CURVE	+
008 0 016	(G,X	1.2+ 7 2.6+ 7	CCP THEO	SNP	24	264	NAPOLI+ SPALLATION PRODUCT SIGMA	+
008 0 016	(G,X	6. + 6 3.0+ 7	NBS EXPT	NP/A	69	241	PARTIAL SIGMA CURVE	+
008 0 016	(G,X	2.4+ 7 1.3+ 8	EXPT	NP/A	378	317	BARZ+ SIGMA CURVE & TABLE	+
008 0 016	(G,X	5.5+ 7	CCP EXPT	NP/A	113	289	HAYWARD+ CARLOS+	+
008 0 016	(G,X	6.0+ 7 1.0+ 8	GLS EXPT	PL/B	79	356	DENISOV+ DIFF. & INTEGRAT.SIGMA	+
008 0 016	(G,X						FINDLAY+	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
008 0 016	(G,2D)	6.0+	7 1.0+	8 CCP THEO	SNP	47	627 88	BURKOVA+ CALC.DIFF.SIGMA CURVE	+
008 0 016	(G,2N)	2.9+	7 1.0+	8 UI EXPT	PR	116	173 59	O'CONNELL+ RELAT.INTEG.SIGMA	+
008 0 016	(G,2N)	3.3+	7 1.0+	8 GER EXPT	NP	30	417 62	BREUER+ INTEGRAT.-SIGMA	+
008 0 016	(G,2N)	2.0+	7 3.0+	8 USA EXPT	NP/A	122	606 68	MEYER+ SIGMA CURVE & TABLE	+
008 0 016	(G,2N)	3.0+	7 1.1+	8 GER EXPT	NP	239	461 70	FILSS+ SIGMA CURVE	+
008 0 016	(G,2P)	1.9+	8 4.3+	8 EXPT	PR/C	35	1828 87	KANAZAWA+	+
008 0 016	(G,2P)	8.0+	7 1.3+	8 GER EXPT	NP/A	533	269 91	MAGREGOR+ MASS YIELD	+
008 0 016	(G,4A)	2.2+	7 7.5+	8 USA EXPT	NP/A	54	625 64	TOMS PHOTOALPHA SIGMA CURVE	+
008 0 016	(G,4A)	1.2+	7 1.7+	7 SAS EXPT	CJP	43	330 65	ROALSVIG SIGMA CURVE	+
008 0 016	(E,E)	1.8+	7 1.9+	7 EXPT	PR/C	35	880 87	HYDE-WRIGHT+	+
008 0 016	(E,EA)	1.3+	8 EXPT	EXPT	NP/A	464	237 87	DMITRIEV+	+
008 0 016	(E,ELASTIC)	3.8+	8 7.5+	8 STF EXPT	NP/A	150	631 70	SICK+ DIFF.SIGMA TABLE	+
008 0 016	(E,ELASTIC)	3.0+	7 5.0+	7 GER EXPT	NP/A	273	69 75	SCHUETZ SIGMA TABLE	+
008 0 016	(E,ELASTIC)	3.8+	8 7.5+	8 GER THEO	NP/A	274	267 75	ROSENFELDER DIFF.SIGMA CURVE	+
008 0 016	(E,ELASTIC)	NDG		ITY THEO	NP/A	129	350 69	DEDIATTI FORM FACTOR	+
008 0 016	(E,ELASTIC)	NDG		CCP EVAL	SNP	16	282 73	ELDYSHEV+ FORM FACTOR	+
008 0 016	(E,EP)	5.0+	8 EXPT	EXPT	NP/A	375	381 82	BERNHEIM+	+
008 0 016	(E,EP)	1.3+	8 EXPT	EXPT	NP/A	464	237 87	DMITRIEV+	+
008 0 016	(E,EP)	2.5+	9 EXPT	EXPT	NP/A	209	233 73	HOFMANN DOUB.DIFF.SIGMA CURVE	+
008 0 016	(E,EX)	1.1+	8 EXPT	EXPT	JEL	35	299 82	VOITZEFVSKII+	+
008 0 016	(E,INELASTIC)	1.9+	8 EXPT	EXPT	NP	15	363 60	FALLIEROS+ YIELD CURVE	+
008 0 016	(E,INELASTIC)	4.0+	7 7.0+	7 USA THEO	PR	133	B1190 64	GILLET+ DIFF.SIGMA CURVE	+
008 0 016	(E,INELASTIC)	9.0+	7 2.2+	8 FR EXPT	PR	134	B963 64	GOLDEMBERG+ DIFF.SIGMA CURVE	+
008 0 016	(E,INELASTIC)	NDG		USA THEO	NP/A	54	97 64	BISHOP+ SIGMA TABLE	+
008 0 016	(E,INELASTIC)	2.3+	7 2.6+	7 USA THEO	NP/A	80	465 66	LEWIS+ 180DEG.SCATT.FORM FACTOR	+
008 0 016	(E,INELASTIC)	8.0+	7 1.5+	8 MIT THEO	NP/A	106	261 68	HOLDER+ DIFF.SIGMA TABLE/CURVE	+
008 0 016	(E,INELASTIC)	1.2+	7 1.3+	7 SAS EXPT	NP/A	132	305 69	FOREST+ DIFF.SIGMA CURVE	+
008 0 016	(E,INELASTIC)	3.0+	7 6.0+	7 THD EXPT	CJP	48	83 70	KIM+ FORM FACTOR	+
008 0 016	(E,INELASTIC)	NDG		CAN THEO	NP/A	406	473 83	KUICHLER+	+
008 0 016	(E,INELASTIC)	5. + 9		CCP EXPT	NP/A	127	641 69	HO-KIM PARTIAL SIGMA CURVE	+
008 0 016	(E,INELASTIC)	4.3+	7 6.9+	7 STF EXPT	NP/A	335	231 90	DEGTVARENKO+ ARGUS DETECTOR USED	+
008 0 016	(E,INELASTIC)	NDG		FR EXPT	NP	45	209 63	ISABELLE+ FORM FACTOR	+
008 0 016	(E,INELASTIC)	NDG		GER EXPT	NP/A	74	219 65	VANPRAET+ DIFF.SIGMA CURVE/TABLE	+
008 0 016	(E,INELASTIC)	NDG		STF THEO	NP	214	357 68	STROETZEL 0-16 LEVEL	+
008 0 016	(E,INELASTIC)	NDG		STF THEO	PR	139	B1217 65	DEFOREST DR. FORM FACTOR	+
008 0 016	(E,INELASTIC)	NDG		NOR THEO	NP/A	130	146 69	KALHUS FORM FATOR	+
008 0 016	(E,INELASTIC)	NDG		DEN THEO	NP/A	170	513 71	ERIKSON FORM FACTOR	+
008 0 016	(E,INELASTIC)	NDG		GER THEO	NP/A	448	685 86	KREWALD+ FORM FACTOR	+
008 0 016	(E,INELASTIC)	NDG		MIT THEO	NP/A	509	221 90	GARCIA-RECIO+	+
008 0 016	(E,INELASTIC)	NDG		USA THEO	NP/A	70	264 65	SEABORN+ FORM FACTOR	+
008 0 016	(E,INELASTIC)	NDG		GER THEO	NP/A	83	528 66	GRUENBAUM FORM FACTOR	+
008 0 016	(E,INELASTIC)	4.3+	7 6.9+	7 STF EXPT	NP/A	79	550 66	VANPRAET+ TRANSV.FORM FACTOR	+
008 0 016	(E,INELASTIC)	NDG		DEN THEO	NP/A	209	493 73	HORSEFJORD FORM FACTOR	+
008 0 016	(E,INELASTIC)	6.0+	7 THD EXPT	THD EXPT	NIM	153	29 78	SCHUILL+	+
008 0 016	(E,INELASTIC)	NDG		MIL THEO	NP/A	496	108 89	CAVINATO+	+
008 0 016	(E,N)	NDG		BLG THEO	NP/A	503	694 89	RYCKEBUSCH+ RESPONSE FUNC.	+
008 0 016	(E,P)	NDG		BLG THEO	NP/A	503	694 89	RYCKEBUSCH+ RESPONSE FUNC.	+
008 0 016	(E,PION)	2.8+	8 EXPT	EXPT	NP/A	226	58 74	BORIE+ CALCUL. SIGMA	+
008 0 016	(E,SCATTERING)	6.1+	6 6.9+	6 FR EXPT	NP/A	53	366 64	BISHOP+ DIFF.SIGMA VALUE	+
008 0 016	(E,SCATTERING)	6.0+	8 8.0+	8 STF EXPT	PR	148	1107 66	CRANNELL DIFF.SIGMA TBL	+
008 0 016	(E,SCATTERING)	NDG		USA THEO	PR	152	899 66	RAPHAEL+ CAL.SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY (eV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
008 0 016	(E, SCATTERING) AD	2.5+ 8	8.0+ 8	FR	THEO	NP/A	89	192 66	BOTTINO+ SIGMA VALUE
008 0 016	(E, SCATTERING) XX	NDG		CCP	THEO	SNP	7	501 68	KABACHNIK FORM FACTOR
008 0 016	(E, SCATTERING) XX	NDG		CCP	THEO	NP/A	126	36 69	KUDEYAROV+ FORM FACTOR
008 0 016	(E, SCATTERING) XX	NDG		STF	THEO	PR/C	1	40 70	FRIAR FORM FACTOR
008 0 016	(E, SCATTERING) XX	NDG		CRC	THEO	NP/A	165	475 71	KHANNA CHARGE FORM FACTOR
008 0 016	(E, SCATTERING) XX	NDG		CAN	THEO	NP/A	179	569 72	DONNELLY+ FORM FACTOR
008 0 016	(E, SCATTERING) XX	NDG		CCP	EXPT	SNP	24	237 76	BUKI+ FISS. NEUTRON YIELD
008 0 016	(E, SCATTERING) XX	NDG		NED	THEO	NP/A	435	765 85	KOCH+ INELASTIC FORM FACTOR
008 0 016	(E, SCATTERING) YD	1.3+ 8		BZL	THEO	PR/C	23	1898 81	AGRELLO+ VALENCE CAPTURE
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	CAVINATO
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	IGASHIRA+ MAXWELL-AVERAG.SIGMA
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	ALLEN+ MAXWELL-AVERAG.SIGMA
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	BALAMUTH+ EXCITATION CURVE
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	HARAKEH+ DIFF.SIGMA
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	HAUSMAN+ RADIATIVE CAPT.SIGMA
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	HESTER+ SIGMA VALUE
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	TANNER SIGMA CURVE
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	DOMINGO SIGMA CURVE
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	ROLFS SIGMA CURVE
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	CHOW+ SIGMA VALUE
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	KALEN+ DIFF.SIGMA CURVE
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	HARAKEH+ RESONANCE PARAM.
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	ROLFS+ Q-VALUE
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	RACKERS+ SIGMA RATIO
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	YOCOZ+ SIGMA CURVE
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	WALTHAM+ SIGMA CURV.LEGEN.COEF.TBL
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	STECK NE-20 LEVELS
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	HAHN+ STECK NE-20 LEVELS
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	STECK NE-20 LEVELS
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	FIFIELD+ LEVEL SCHEME OF NE-20
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	LANGANKE ONP TBL
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	LANGANKE SIGMA CURV
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	HURST+ RESONANCE STRENGTHO
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	MACCARTHUR+ LEVEL DATA OF NE-20
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	FIFIELD+ YIELD CURV
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	PEARSON+ GAMMA SPECTRUM
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	LITHELAND+ NE-20 LEVEL
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	GRAWE+ GAMMA YIELD
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	TOEVS RESONANCE PARAMETER
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	HOLT+ E1 & M1 RES.PARAM.
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	JOHNSON+ GROUND DIFF.SIGMA AT98
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	JURY+ SIGMA CURVE
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	MCNEILL+ ISOSPIN ANALYSIS
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	MCNEILL+ LEVEL ENERGY
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	JURY+ MONOCHRO. PHOTONS
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	MANLEY+ 0-17 FORM FACTOR
008 0 016	(E, SCATTERING) YD	1.3+ 8		ITY	THEO	PR/C	37	1823 88	KIM+ 0-17 FORM FACTOR

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA	
		MIN	MAX		REF	VOL	PAGE YEAR			
008 0 017	(E, INELASTIC) AD	3.9+	7 5.9+	7 SAS EXPT	NP/A 406	493	83	RANGACHARYULU+		
008 0 017	(E, INELASTIC) DD	2.0+	8	SPN THEO	PR/C 43	1937	91	NIEVES+ PIONIC ATOM PRODUCTION		
008 0 017	(E, INELASTIC) YD	6.3+	7 1.3+	8 SAS EXPT	NP/A 297	301	78	KIM+ O-17 FORM FACTOR		
008 0 017	(P, A) YD	1.4+	6 2.8+	6 STR EXPT	PR/C 18	2007	78	SENS+ F-18 LEVELS		
008 0 017	(P, G) CS	3.+	5 1.9+	6 CAN EXPT	NP/A 217	29	73	ROLFS SIGMA CURVE	+	
008 0 017	(P, G) ED	6.7+	5	EXPT	NP/A 327	172	79	KIESER+ PARTIAL WIDTH OF RES.		
008 0 017	(P, G) YD	9.+	5 1.9+	6 USA EXPT	NP/A 240	221	75	ROLFS+ Q-VALUE		
008 0 017	(P, G) YD	1.4+	6 1.7+	6 USA EXPT	NP/A 250	295	75	ROLFS+ F-18 LEVEL		
008 0 017	(P, G) YD	1.4+	6 2.8+	6 STR EXPT	PR/C 18	2007	78	SENS+ F-18 LEVELS		
008 0 017	(P, INELASTIC) YD	1.4+	6 2.8+	6 STR EXPT	PR/C 18	2007	78	SENS+ F-18 LEVELS		
008 0 018	(G, A) DD	3.2+	7	EXPT	NP/A 376	15	82	BANGERT+		
008 0 018	(G, D) DD	3.2+	7	EXPT	NP/A 376	15	82	BANGERT+		
008 0 018	(G, G) YD	6.2+	6	EXPT	NP/A 220	217	74	HASS+ RESONANCE FLUORES.		
008 0 018	(G, N)	1.4+	7 2.6+	7	EXPT	PR/C 36	1243	87	JURY+	
008 0 018	(G, N) CS	8.+	6 2.9+	7	EXPT	NIM 178	149	80	PWELL+ ACTIVITY, UNFOLDING TECH	
008 0 018	(G, N) ED	3.1+	7	GER EXPT	ZP 171	416	63	FUCHS+ NEUTRON SPECTRUM	+	
008 0 018	(G, N) ED	1.1+	7 1.8+	7 CAN EXPT	CJP 53	786	75	ALLAN+ NEUTRON SPECTRUM		
008 0 018	(G, N EMISSION) CS	8.0+	6 4.2+	7	PR/C 19	1667	79	WOODWORTH+ (G, N)+(G, NP)	+	
008 0 018	(G, P) CS	2.5+	7 4.0+	7 STF EXPT	PR 100	113	55	REAGAN N-14 PRODUCT, SIGMA CURVE		
008 0 018	(G, P) CS	8.0+	6 4.2+	7	EXPT	PR/C 19	1667	79	WOODWORTH+	
008 0 018	(G, P) CS	8.+	6 2.9+	7	EXPT	NIM 178	149	80	PWELL+ ACTIVITY, UNFOLDING TECH	
008 0 018	(G, P) DD	3.2+	7	EXPT	NP/A 376	15	82	BANGERT+		
008 0 018	(G, P) ED	3.2+	7	EXPT	ZP 179	9	64	KOSIEK+ SPECTRUM PLOT	+	
008 0 018	(G, T) DD	3.2+	7	EXPT	NP/A 376	15	82	BANGERT+		
008 0 018	(G, X) CS	1.5+	7 4.3+	7 CAN EXPT	PR/C 43	489	91	MCNEILL+ PN+NP, SIGMA VALUES&CURVE	+	
008 0 018	(G, 2N) CS	8.0+	6 4.2+	7	EXPT	PR/C 19	1667	79	WOODWORTH+	
008 0 018	(E, ELASTIC) AD	3.0+	7 5.0+	7 GER EXPT	ZP/A 273	69	75	SCHUETZ SIGMA TABLE	+	
008 0 018	(E, INELASTIC) AD	3.0+	7 6.0+	7 GER EXPT	NP/A 406	504	83	BENDER+		
008 0 018	(E, INELASTIC) DD	4.5+	7 5.9+	7	EXTH PL/B 95	31	80	ANSALDO+ ENERGY-LOSS SPECTROMET		
008 0 018	(E, INELASTIC) DD	9.0+	7 3.7+	8	EXPT	PR/C 25	1778	82	NORUM+	
008 0 018	(E, INELASTIC) YD	9.3+	7 1.1+	8	EXPT	CJP 49	2743	71	GROH+ FORM FACTOR	
008 0 018	(E, INELASTIC) YD	NDG		DEN THEO	NP/A 209	493	73	HORSFJORD FORM FACTOR		
008 0 018	(E, SCATTERING) XX	NDG		CSN THEO	NP 41	118	63	BISHOP DEFORMATION PARAM.		
008 0 018	(E, SCATTERING) XX	8.2+	6 9.4+	6 USA EXPT	PR/C 41	448	90	MANLEY+ FORM FACTOR		
008 0 018	(E, SCATTERING) YD	8.2+	6	USA THEO	PR/C 41	448	90	MANLEY+ O-18 LEVEL		
008 0 018	(P, G)	6.0+	5 3.4+	6 MST EXPT	NIM A256	9	87	WIUSTENBECKER+		
008 0 018	(P, G) AD	8.+	4 2.2+	6	EXPT	NP/A 349	165	80	WIESCHER+ RESONANCE ANALYSIS	
008 0 018	(P, G) ED	3.0+	6 3.5+	6 KUW EXPT	AUJ 31	267	78	DIN 6 RESONANCES		
008 0 018	(P, G) YD	3.6+	8 2.0+	9 USA EXPT	PR 116	1485	59	BUTLER+ RESONANCE ANALYSIS		
008 0 018	(P, G) YD	1.6+	6 3.0+	6 TEX EXPT	PR 125	301	62	NELSON+ YIELD CURVE		
008 0 018	(P, G) YD	8.5+	5	YAL EXPT	PR 140	B1245	65	ALLEN+ F-19 LEVEL		
008 0 018	(P, G) YD	2.2+	5	USA EXPT	PR/C 42	753	90	VOGELAAR+ RES. STRENGTH		
008 0 018	(P, G) YD	2.2+	5	LRL EXPT	PR/C 42	530	90	VOGOLAAR+ RESONANCE PARAMETER		
008 0 018	(A, G) CS	2.2+	6 3.7+	6 USA EXPT	NP/A 131	430	69	ADAMS+ SIGMA CURVE	+	
008 0 018	(A, G) YD	7.8+	5	USA EXPT	PR/C 42	753	90	VOGELAAR+ RES. STRENGTH		
008 0 018	(A, G) YD	8.2+	5	LRL EXPT	PR/C 42	530	90	VOGOLAAR+ RESONANCE PARAMETER		

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
019 F	(G,A)	1.4+	7 3.0+	7	EXPT	NP/A	330	66	THOMSON+ YIELD CURV,SIGMA TBL	
019 F	(G,ABSORPTION)	9. +	6 3.1+	7	YUG EXPT	NP/A	128	426	BEZIC+ TOT.PHOTONUCL.SIGMA	+
019 F	(G,G)	5. +	5 3.0+	6	USA EXPT	NP/A	57	403	BOOTH+ RESONANCE FLUORESCENCE	+
019 F	(G,INELASTIC)	1.9+	7 2.5+	7	CAN EXPT	CJP	50	3085	THOMAS+ GAMMA YIELD SIGMA	+
019 F	(G,INELASTIC)	1.4+	7	JAE EXPT	NP/A	188	461	72 SHIKAZONO+ LEVEL SCHEME	+	
019 F	(G,N)	NDG	7 1.0+	8	LRL EXPT	PR/C	3	672	71 BAGLAN+ DIFF.SIGMA CURVE	+
019 F	(G,N)	2.0+	7 2.5+	7	SAS EXPT	PR	116	173	59 O'CONNELL+ RELAT.INTEG.SIGMA	+
019 F	(G,N)	1.0+	7 2.5+	7	PEN EXPT	CJP	38	1069	60 KING+ SIGMA CURVE	+
019 F	(G,N)	2.1+	7	PEN EXPT	PR	126	709	62 BIANCO+ ACTIVATION SIGMA VALUE	+	
019 F	(G,N)	1.0+	8 8.0+	8	SWD EXPT	NP/A	171	551	71 FRIBERG+ SIGMA CURVE	+
019 F	(G,N)	1.5+	8 9.5+	8	SWD THEO	NP/A	171	529	71 ANDERSSON+ SIGMA CURVE	+
019 F	(G,N)	3.0+	8 1.0+	9	ITY EXPT	NIM	93	77	71 NAPOLI+ ABSOL.SIGMA VALUE	+
019 F	(G,N)	1.6+	7 3.9+	7	BZL EXPT	PR/C	11	1083	75 WOLYNEC+ SIGMA RATIO	+
019 F	(G,N)	1.2+	7 1.6+	7	CAN EXPT	CJP	54	1178	76 SHERMAN+ TOT.INTEGL.SIGMA	+
019 F	(G,N)	1.4+	7 3.0+	7	EXPT	NP/A	330	66	79 THOMSON+ YIELD CURV,SIGMA TBL	+
019 F	(G,N)	1.5+	7 2.5+	7	SAS EXPT	NP/A	499	328	89 KUO+ EXCITATION CURVE	+
019 F	(G,N)	1.0+	7 1.1+	7	PEN EXPT	PR	119	716	60 GELLER+ ACTIVAT.YIELD CURVE	+
019 F	(G,P)	2.4+	7	USA EXPT	PR	132	1134	63 MURRAY+ DIFF.SIGMA CURVE	+	
019 F	(G,P)	1.4+	7 3.0+	7	EXPT	NP/A	330	66	79 THOMSON+ YIELD CURV,SIGMA TBL	+
019 F	(G,P)	1.6+	7 2.6+	7	GHT EXPT	PR/C	32	368	85 KERHOVE+ SIGMA CURVE	+
019 F	(G,P)	3.6+	7	STF EXPT	PR	127	1746	62 DODGE+ PHOTOPROTON SPECTRA	+	
019 F	(G,SCATTERING)	3.0+	5 1.3+	6	IND THEO	NSE	85	426	83 UMESH+ INCOHERENT SC TT.SIGMA TBL	+
019 F	(G,T)	1.8+	7 2.3+	7	SAS EXPT	NP/A	223	409	74 SKOPIK+ DIFF.SIGMA CURVE	+
019 F	(G,X)	1. +	9	ITY EXPT	PR/C	8	206	73 NAPOLI+ SPALLATION PRODUCT SIGMA	+	
019 F	(G,X)	1.2+	9	CCP EXPT	SNP	21	243	75 NOGA+ SIGMA RATIO & SIGMA TBL	+	
019 F	(G,XN)	1.1+	7 1.9+	7	BLG EXPT	NP/A	198	144	72 VAN DE VYVER+ SIGMA CURVE	+
019 F	(G,XN)	1.0+	7 2.5+	7	RUM EXPT	NP/A	261	125	73 CATABA+ SIGMA CURVE	+
019 F	(G,2N)	2.0+	7 1.0+	8	UI EXPT	PR	116	173	59 O'CONNELL+ RELAT.INTEG.SIGMA	+
019 F	(G,2P)	2.5+	7 4.0+	7	STF EXPT	PR	100	113	55 REAGAN N-14 PRODUCT.SIGMA CURVE	+
019 F	(G,2PN)	2.0+	7 3.0+	8	USA EXPT	NP/A	122	606	68 MEYER+ SIGMA CURVE & TABLE	+
019 F	(E,E)	4.6+	7 2.7+	8	FUL EXPT	NP/A	469	518	87 DONNE+	+
019 F	(E,E)	4.0+	7 1.4+	8	EXPT	NP/A	455	453	87 DONNE+	+
019 F	(E,E)	5.4+	8 7.3+	8	EXPT	PR/C	35	1063	87 O'CONNELL+ FORM FACTOR	+
019 F	(E,E)	1.3+	8 2.5+	8	TOH EXPT	PR/C	11	1578	75 OYAMADA+ FORM FACTOR	+
019 F	(E,ELASTIC)	4.6+	7 2.7+	8	NED EXPT	NP/A	455	453	86 DONNE+ 2ANGLE SIGMA	+
019 F	(E,ELASTIC)	NDG	7 3.9+	7	BLG THEO	NP/A	459	253	86 BOUTEN+ FORM FACTOR	+
019 F	(E,N)	1.6+	7 3.9+	7	BZL EXPT	PR/C	11	1083	75 WOLYNEC+ SIGMA RATIO	+
019 F	(E,SCATTERING)	AD	1.2+	8	MIT EXPT	PR/C	7	1396	73 HALLOWELL+ DIFF.SIGMA CURVE	+
019 F	(E,SCATTERING)	YD	NDG	USA THEO	PL/B	133	5	83 BROWN+ MAG.MOMENT CURV	+	
019 F	(E,X)	1.2+	9	CCP EXPT	SNP	21	243	75 NOGA+ SIGMA RATIO & SIGMA TBL	+	
019 F	(N,G)	2.3+	4 5.0+	6	ORL EXPT	PR/C	7	1766	73 MACKLIN+ SIGMA CURVE	+
019 F	(N,G)	2.0+	4 4.0+	6	USA EXPT	PR	114	201	59 GABBARD+ NEUTRON RESONANCE	+
019 F	(N,G)	PILE	4 4.9+	4	SWD EXPT	NP	48	492	63 NADJAKOV N-CAPT.GAMMA	+
019 F	(N,G)	2.7+	4 5.0+	4	ORL EXPT	PR	158	1049	67 BERGQVIST+ RES-CAPT.GAMMA YIELD	+
019 F	(N,G)	2.5-	2	NED EXPT	NP/A	113	395	68 SPILLONG+ GAMMA INTENSITY	+	
019 F	(N,G)	2.5-	2	SWD EXPT	NP/A	123	215	69 HARDELL+ GAMMA INTENSITY	+	
019 F	(N,G)	2.5-	2	NED EXPT	NP/A	145	449	70 SPITS+ GAMMA INTENSITY	+	
019 F	(N,G)	2.5-	2	NED EXPT	NP/A	180	569	72 KAMP+ NEUT.-CAPT. GAMMA	+	
019 F	(N,G)	5.0+	2 2.0+	5	COL EXPT	PR/C	10	2147	74 SINGH+ RESONANCE PARAM.	+
019 F	(P,G)	2.9+	6 1.3+	7	ANL EXPT	NP/A	93	31	67 SEGEL+ ANGL.DIST. OF GAMMA	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
009 F 019	(P,G)	1.6+ 7	2.3+ 7	EXPT	PL/B	92	67 80	CALARCO+ POLARIZED TARGET	
009 F 019	(P,G)	NDG		EVAL	NP/A	52	29 64	TANNER+ SIGMA TABLE	+
009 F 019	(P,G)	2. + 5	1.2+ 6	EXPT	NP/A	331	491 79	SUBOTIC+ PARTIAL WIDTH	
009 F 019	(P,G)	3.4+ 5	1.4+ 6	EXPT	PR	120	1740 60	HUNT+ RESONANCE ANALYSIS	
009 F 019	(P,G)	5. + 5	2.2+ 6	EXPT	PR	99	786 55	HUNT+ RESONANT CAPTURE	
009 F 019	(P,G)	5. + 6	7.7+ 6	EXPT	NP	10	45 59	GEMMELL+ GAMMA YIELD	
009 F 019	(P,G)	6.7+ 5	1.1+ 6	EXPT	PR	124	1944 61	GOVE+ NE-20 LEVEL	
009 F 019	(A,G)	1.2+ 7	1.4+ 7	EXPT	IZV	44	2281 80	ZOLNAI+ PHOTON SPECTRA AT 55DEG	
010 NE 000	(G,P)		3.6+ 7	STF EXPT	PR	127	1746 62	DODGE+ PHOTOPROTON SPECTRA	
010 NE 000	(G,P)	3.1+ 7		GER EXPT	ZP	174	337 63	FINCKH+ SPECTRUM CURVE	+
010 NE 000	(E,SCATTERING)	1.3+ 3		CAN EXPT	CJP	53	2406 75	MAO+ ATOMIC SIGMA	
010 NE 019	(P,G)	NDG		USA THEO	NP/A	536	333 92	SMITH+ RES.PARAM., REACTION RATE	
010 NE 020	(G,N)	1.6+ 7	2.9+ 7	AML EXPT	NP/A	357	171 81	ALLEN+ INTEGRATED SIGMA	+
010 NE 020	(G,N)	1.9+ 7	3.2+ 7	CAN EXPT	CJP	53	795 75	WOODWORTH+ N SPECTRUM	
010 NE 020	(G,P)	2.4+ 7	3.3+ 7	GER EXPT	ZP	225	303 69	HOFMANN+ SIGMA CURVE & TABLE	+
010 NE 020	(E,ELASTIC)	1.4+ 8		SAS EXPT	CJP	49	1434 71	MOREIRA+ FORM FACTOR	
010 NE 020	(E,INELASTIC)	6.0+ 7	1.2+ 8	UMA EXPT	PR/C	17	435 78	SZALATA+ ELECTRIC RESONANCE	
010 NE 020	(E,INELASTIC)	8.1+ 7	1.1+ 8	SAS EXPT	CJP	51	2125 73	SINGHAL+ FORM FACTOR	
010 NE 020	(E,SCATTERING)	3.9+ 7	5.6+ 7	USA EXPT	PR/C	3	1821 71	BENDEL+ DOUBL.DIFF.SIGMA CURVE	+
010 NE 020	(E,SCATTERING)	NDG		FR THEO	NP/A	232	235 74	ABGRALL+ FORM FACTOR	
010 NE 020	(E,SCATTERING)	NDG		CCP THEO	NP/A	483	92 88	KUCHTA CALCUL.FORM FACTOR	
010 NE 020	(E,SCATTERING)	NDG		AUL THEO	PR/C	41	335 90	AMOS+ FORM FACTOR	
010 NE 020	(E,SCATTERING)	NDG		AML THEO	NP/A	424	60 84	AMOS+ FORM FACTOR CURV	
010 NE 020	(P,G)	6.0+ 5	3.4+ 6	MST EXPT	NIM	A256	9 87	WUJSTENBECKER+	
010 NE 020	(P,G)	1.1+ 6		USA EXPT	PR	114	1060 59	TANNER SIGMA VALUE	+
010 NE 020	(P,G)	1.1+ 6	2.0+ 6	SWT EXPT	NP/A	123	129 69	BLOCH+ NE-21 LEVEL	
010 NE 020	(P,G)	1.2+ 6		HLS EXPT	PR/C	15	579 77	KEINONEN+ RES. STRENGTH	
010 NE 020	(P,G)	NDG		FIN EXPT	NIM	144	323 77	RIIHONEN+ ABSOLUT.RES.STRENGTH	+
010 NE 020	(A,G)	2.5+ 6	2.0+ 7	STF EXPT	PR/C	11	1525 75	KUHLMANN+ AVERAGED SIGMA TABLE	
010 NE 020	(A,G)	3.0+ 6	6.0+ 6	OXF EXTH	NP/A	309	77 78	FIFIELD+ MG-24 LEVELS	
010 NE 020	(A,G)	1.2+ 7	1.4+ 7	EXPT	NP/A	322	1 79	FIFIELD+	
010 NE 020	(A,G)	3. + 6	6. + 6	USA EXPT	NP/A	109	163 68	HIGHLAND+ RESONANCE ENERGY	
010 NE 020	(A,G)	4. + 6	1.6+ 7	EXPT	PR/C	20	415 79	KUHLMANN+ INTEG.E1-STRENGTH TBL	
010 NE 020	(A,G)	5.5+ 5	3.2+ 6	GER EXPT	NP/A	398	279 83	SCHWALBROCK+ RES.PARAM.TBL	+
010 NE 021	(P,G)	3. + 5	1.6+ 6	GER EXPT	NP/A	408	372 83	GOERRES+ DIF.SIGMA CURV	

ELEMENT Z S A	QUANTITY	ENERGY (eV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
010 NE 021	(P/G)	6.0+	5 1.5+	6 USA EXPT	PR	117	1562	60 KRONE+ NA-23 LEVEL	
010 NE 021	(P/G)	3.+	5 1.0+	6 DXF EXPT	NP/A	61	297	65 TANNER PROTON RESONANCE	
010 NE 021	(P/G)	3.0+	5 1.3+	6 FIN EXPT	NP/A	234	455	70 ANTTILA+ NA-22 EXCIT-STATE	
010 NE 021	(P/G)	5.+	5 2.0+	6 HLS EXPT	PR/C	15	579	77 KEINONEN+ RES. STRENGTH	
010 NE 021	(P/G)	NDG		6 FIN EXPT	NIM	144	323	77 RIIHONEN+ ABSOLUT.RES-STRENGTH	
010 NE 022	(G,ELASTIC)	1.8+	7 3.3+	7 EXPT	NP/A	318	453	79 BERG+ RES-FLUORES.-NE-22 LEVEL	+
010 NE 022	(G,P)	2.4+	7 3.3+	7 GER EXPT	NP/A	225	303	69 HOFMANN+ SIGMA CURVE & TABLE	
010 NE 022	(E,ELASTIC)	1.4+	8	8 SAS EXPT	CJP	49	1434	71 MOREIRA+ FORM FACTOR	
010 NE 022	(E,INELASTIC)	8.1+	7 1.1+	8 SAS EXPT	CJP	51	2125	73 SINGHAL+ FORM FACTOR	
010 NE 022	(E,SCATTERING)	3.7+	7 6.0+	7 USA EXPT	PR/C	10	2257	74 MARUYAMA+ DIFF-SIGMA TBL	+
010 NE 022	(N/G)	2.5-	2	6 CAN EXPT	NP/A	325	321	86 PRESTWICH+ GAMMA YIELD	
010 NE 022	(P/G)	9.0+	5 1.3+	6 FIN EXPT	NP/A	250	387	72 VIITASALO+ GAMMA ANGL-DIST.	
010 NE 022	(P/G)	NDG		6 STF EXPT	PR/C	7	1900	73 VENTURA 90DEG. DIFF-SIGMA CURVE	+
010 NE 022	(P/G)	3.+	5 1.6+	6 GER EXPT	NP/A	408	372	83 GOERRES+ DIF-SIGMA CURV	
010 NE 022	(P/G)	1.1+	6 2.0+	6 EXPT	NP/A	318	111	79 SMIT+ ENER.-STRENGTH/GAM-DECAY	
010 NE 022	(P/G)	5.0+	8 9.0+	8 UK EXPT	PR	109	480	58 THORNTON+ NA-23 LEVEL	
010 NE 022	(P/G)	6.0+	5 1.8+	6 USA EXPT	PR	115	170	59 SINGH+ NA-23 LEVEL	
010 NE 022	(P/G)	6.4+	5	6 NED EXPT	NP	16	206	60 MOUTON+ RESONANT CAPT.-GAMMA	
010 NE 022	(P/G)	4.0+	5 1.0+	6 UK EXPT	NP	32	584	62 BRABEN+ NA-23 LEVEL	
010 NE 022	(P/G)	1.3+	6	6 HLS EXPT	PR/C	15	579	77 KEINONEN+ RES. STRENGTH	
010 NE 022	(P/G)	NDG		6 FIN EXPT	NIM	144	323	77 RIIHONEN+ ABSOLUT.RES-STRENGTH	
010 NE 022	(P/G)	6.+	5 1.8+	6 NED EXPT	NP/A	500	1	89 BAKKUM+ YIELD CURVE&BRANCH-RATIO	+
010 NE 022	(A/G)	2.5+	6 2.0+	7 STF EXPT	PR/C	11	1525	75 KUHLMANN+ AVERAGED SIGMA TABLE	+
010 NE 022	(A/G)	7.1+	5 2.3+	6 GER EXPT	NP/A	334	491	89 WOLKE+ EXCITATION FUNCTION	+
010 NE 022	(A/G)	7.1+	5 2.3+	6 GER EXPT	NP/A	334	491	89 WOLKE+ SIGMA CURVE	+
010 NE 022	(A/G)	4.+	6 1.6+	7 EXPT	PR/C	20	415	79 KUHLMANN+ INTEG.E1-STRENGTH TBL	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA	
		MIN	MAX		REF	VOL	PAGE	YEAR			
011 NA 022	(P,G)	7.0+	3 3.6+	5	EXPT	NP/A	385	57 82	GOERRES+		
011 NA 023	(G,ABSORPTION)	3.0+	1 1.5+	2	GER EXPT	ZP	257	353	72	WOLFF+ ABSORPTION SIGMA CURVE	
011 NA 023	(G,ABSORPTION)	4.4+	6 7.9+	6	NED EXPT	NP/A	441	209	85	BAKKUM+ RESONANT ABSORPTION	
011 NA 023	(G,G)	3.0+	6	USA EXPT	PR	152	1027	66	66	RASMUSSEN+ RESONANCE FLUORESC.	
011 NA 023	(G,G)	1.6+	7 3.1+	7	USA EXPT	YP	35	3	82	ISHUFANOV+ LEVEL WIDTH	
011 NA 023	(G,G)	3.9+	6 5.8+	6	USA EXPT	PR/C	6	846	72	FRIESEL+ RES. FLUORESC.	
011 NA 023	(G,G)	7.1+	6	USA EXPT	PR	136	B1355	64	64	SWANN RESONANT FLUORESC.	
011 NA 023	(G,G)	4.4+	5 1.3+	6	GER EXPT	NP/A	81	370	66	SKORKA+ RESONANT FLUORESC.	
011 NA 023	(G,INELASTIC)	7. +	6 1.4+	7	EXPT	YP	35	3	82	ISHUFANOV+ PHOTON SPECTRA	
011 NA 023	(G,INELASTIC)	ED	3.2+	7	EXPT	YF	32	885	80	ISHKHANOV+ LEVEL SCHEME	
011 NA 023	(G,INELASTIC)	YD	1.4+	7	JAE EXPT	NP/A	188	461	72	SHIKAZONO+ SIGMA CURVE	
011 NA 023	(G,N)	CS	1.2+	7	LRL EXPT	PR/C	4	1673	71	ALVAREZ+ SIGMA TBL	
011 NA 023	(G,P)	CS	1.8+	7	HUN EXPT	NP	8	650	58	KESZTHELYI+ SIGMA TBL	
011 NA 023	(G,P)	CS	2.4+	7	GER EXPT	ZP	225	303	69	HOFMANN+ SIGMA CURVE & TABLE	
011 NA 023	(G,P)	CS	1.6+	7	CCP EXPT	SNP	33	303	81	ISHKHANOV+ SIGMA CURVE	
011 NA 023	(G,X)	CS	2.5+	7	STF EXPT	PR	100	113	55	REAGAN N-14 PRODUCT.SIGMA CURVE	
011 NA 023	(G,2N)	CS	2.4+	7	UI EXPT	PR	116	173	59	O'CONNELL+ RELAT.INTEG.SIGMA	
011 NA 023	(E,ELASTIC)	AD	5. -	1	GER EXPT	ZP	254	28	72	GEHENN+ DIFF.SIGMA CURVE	
011 NA 023	(E,INELASTIC)	CS	5.9+	7	STF EXPT	NP/A	72	63	65	BARBER+ SIGMA VALUE	
011 NA 023	(E,TOTAL)	CS	1. +	0 1.0+	1	USA EXPT	PR	128	1148	62	PEREP+ SCATT.TOTAL SIGMA
011 NA 023	(E,X)	CS	1.1+	1	GER EXPT	ZP/A	273	19	75	POHL EXCITATION SIGMA	
011 NA 023	(N,G)	CS	2.0+	4	CAL EXPT	PR	113	256	59	59	BAME+ SIGMA CURVE
011 NA 023	(N,G)	CS	9.7+	5	USA EXPT	PR	163	1299	67	67	MENLOVE+ ACTIVATION SIGMA TBL
011 NA 023	(N,G)	CS	1.3+	7	HUN EXPT	NP/A	95	229	67	67	CSIKAI+ SIGMA TABLE
011 NA 023	(N,G)	CS	2.5- 2	2. -	1	RPI EXPT	NSE	41	445	70	YAMAMURO+ SIGMA CURVE
011 NA 023	(N,G)	CS	2.5- 2	2.8+	3	ANL EXPT	NSE	63	55	77	WILSON+ SIGMA VALUE
011 NA 023	(N,G)	XX	PILE		KFK EXPT	ZP	213	352	68	68	EICHER CIRCUL.POLARIZATION
011 NA 023	(N,G)	YD	PILE		BNL EXPT	PR	104	1353	56	56	MOITZ N-CAPT. GAMMA
011 NA 023	(N,G)	YD	PILE		BLG EXPT	NP	33	272	62	62	FETTWEIS+ ISOMER PRODUCT.
011 NA 023	(N,G)	YD	2.5+	4	ORL EXPT	PR	158	1049	67	67	BERGQVIST+ RES.CAPT.GAMMA YIELD
011 NA 023	(N,G)	YD	1. +	3	RPI EXPT	PR	178	1746	69	69	HOCKENBURY+ RES.PARAM.
011 NA 023	(N,G)	YD	PILE		CAN EXPT	CJP	47	953	69	69	NICHOL+ GAMMA INTENSITY
011 NA 023	(P,G)	AD	5.8+	5	USA EXPT	PR	104	369	56	56	PROSSER+ ANGL.DIST.OF GAMMA
011 NA 023	(P,G)	AD	4. +	6	ANL EXPT	NP/A	116	682	68	68	BEARSE+ DIFF.SIGMA CURVE
011 NA 023	(P,G)	DD	7.0+	3 3.6+	5	EXPT	NP/A	385	57 82	82	GOERRES+
011 NA 023	(P,G)	XX	5.2+	5 6.8+	5	SF EVAL	PR	114	569	59	SIMONS RES.SPIN ASSIGNMENT
011 NA 023	(P,G)	YD	5. +	6 7.7+	6	CBR EXPT	NP	10	45	59	GENMELL+ GAMMA YIELD
011 NA 023	(P,G)	YD	5.8+	5 1.4+	6	USA EXPT	PR	125	594	62	PROSSER+ GAMMA INTENSITY
011 NA 023	(P,G)	YD	3.0+	5 7.5+	5	NED EXPT	NP	30	30	62	GLAUDEMANS+ MG-24 LEVEL
011 NA 023	(P,G)	YD	3.0+	5 8.0+	5	NED EXPT	NP	42	367	63	GLAUDEMANS+ G-G ANGL.CORRELATION
011 NA 023	(P,G)	YD	3. +	5 2.1+	6	NED EXPT	NP/A	88	12	66	ENGELBERTINK+ RESONANCE STRENGTH
011 NA 023	(P,G)	YD	0	5.0+	5	CAN EXPT	CJP	44	2201	66	L'ECUYER+ PROTON RESONANCE
011 NA 023	(P,G)	YD	7. +	5 1.5+	6	USA EXPT	NP/A	102	406	67	MOURAD+ RELATIVE YIELD
011 NA 023	(P,G)	YD	5.1+	5 1.4+	6	CAN EXPT	CJP	47	2319	69	BAXTER+ PROTON RESONANCE
011 NA 023	(P,G)	YD	1.0+	6 1.3+	6	CAN EXPT	CJP	47	2327	69	BAXTER+ ANGULAR CORRELATION
011 NA 023	(P,G)	YD	3. +	5 1.9+	6	SAF EXPT	NP/A	185	625	72	MEYER+ PROTON RESONANCE
011 NA 023	(P,G)	YD	5. +	5 9. +	5	EXPT	PR/C	17	1550	78	PAINE+ RESONANCE STRENGTH
011 NA 023	(P,G)	YD	3.9+	6	WAS EXPT	NP/A	305	144	78	78	OSBORNE+ YIELD CURVE

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
011 NA 023	(P,G)	3.9+	6	CRC EXTH	NP/A	305	151 78	MCDONALD+ YIELD CURVE	
011 NA 023	(P,G)	4. + 5	1.3+	6 USA EXPT	PR/C	39	8 89	GOERRES+ YIELD CURVE	
011 NA 023	(P,G)	1.0+	6	6 NED EXPT	NP/A	510	209 90	ENDT+ MG-24 LEVEL	
011 NA 023	(P,G)	1.7+	5	6 GER EXPT	NP/A	514	471 90	SEUTHE+ RES.BRANCHING RATIO	
011 NA 023	(A,G)	2. + 6	3. + 6	6 CAN EXPT	CJP	47	1545 69	ROEPKE+ GAMMA TRANSITION	
011 NA 023	(A,G)	2.0+	6	6 NED EXPT	NP/A	170	467 71	DE VOIGT+ AL-27 LEVEL	
011 NA 023	(A,G)	2.0+	6	6 NED EXPT	NP/A	170	449 71	DE VOIGT+ RESONANCE	
012 MG 000	(G,A)	1.1+	7	7 KFK EXPT	NP/A	85	631 66	HOFFMANN+ ALPHA SPECTRUM	+
012 MG 000	(G,ABSORPTION)	1.1+	7	7 CCP EXPT	NP/A	72	137 65	DOLBILKIN+ SIGMA CURVE & TABLE	+
012 MG 000	(G,G)	2. + 6	1.6+	7 LRL EXPT	PR	125	335 62	SEWARD RESONANT SCATT.	+
012 MG 000	(G,N)	1.6+	7	7 PEN EXPT	PR	104	1340 56	YERGIN PHOTONEUTRON YIELD SIGMA	+
012 MG 000	(G,SCATTERING)	1.1+	7	7 EXTH	NIM	166	91 79	MOREH N-CAPT GAMMA SOURCE	+
012 MG 000	(G,TOTAL)	1.0+	7	7 USA EXPT	PR	137	B301 65	MIN+ TOTAL PHOTONEUT. SIGMA CURVE	+
012 MG 000	(G,X)	1.2+	9	7 CCP EXPT	SNP	21	243 75	NOGA+ SIGMA RATIO & SIGMA TBL	+
012 MG 000	(E,X)	5.4+	8	7.3+	PR/C	35	1063 87	O'CONNELL+	+
012 MG 000	(E,X)	1.2+	9	7 CCP EXPT	SNP	21	243 75	NOGA+ SIGMA RATIO & SIGMA TBL	+
012 MG 000	(N,G)	1.4+	7	7 YUG EXPT	NP/A	138	412 69	CVELBAR+ SIGMA PLOT	+
012 MG 000	(N,G)	1.4+	7	7 YUG EXPT	NP/A	158	251 70	CVELBAR+ ACTIVATION SIGMA	+
012 MG 000	(N,G)	1. + 2	1.8+	6 ORL EXPT	PR/C	14	1328 76	WEIGMANN+ LEVEL PARAM.	+
012 MG 000	(N,G)	PILE		7 CAN EXPT	CJP	68	261 90	PRESTWICH+ E1 SIGMA VALUE	+
012 MG 000	(N,G)	2.5-	2	7 CCP EXPT	PR	115	401 59	MANNING+ G-G ANGL-CORRELAT.	+
012 MG 000	(N,G)	5.0+	4	8.4+	4 ORL EXPT	PR	158 1049 67	BERGQVIST+ RES.CAPT.GAMMA YIELD	+
012 MG 000	(N,G)	4. + 0	5.0+	5 COL EXPT	PR/C	10	2150 74	SINGH+ RESONANCE PARAM.	+
012 MG 000	(P,G)	4.9+	5	1.4+	6 DSL EXPT	NP	13 310 59	ANDERSEN+ RESONANT CAPT.YIELD	+
012 MG 024	(G,ABSORPTION)	NDG		7 CCP EVAL	NP	31	338 62	NEUDACHIN+ GIANT RES.OF DIPOLE RES	+
012 MG 024	(G,G)	2.4+	7	7 GER EXPT	PR/C	11	1851 75	BERG+ INTEGRAL SIGMA	+
012 MG 024	(G,G)	1.7+	7	7 AUI EXPT	PR/C	39	324 89	ALARCON+ PARTIAL SIGMA	+
012 MG 024	(G,G)	5. + 5	3.0+	6 USA EXPT	NP/A	57	403 64	BOOTH+ RESONANCE FLUORESCENCE	+
012 MG 024	(G,G)	4.4+	5	1.3+	6 GER EXPT	NP/A	81 370 66	SKORKA+ RESONANT FLUORESC.	+
012 MG 024	(G,G)	1.4+	6	7 GER EXPT	NP/A	140	257 70	HERRMANN+ LIFE OF LEVEL	+
012 MG 024	(G,N)	NDG		7 LRL EXPT	PR/C	3	672 71	BAGLAN+ DIFF.SIGMA CURVE	+
012 MG 024	(G,N)	2.4+	7	7 PEN EXPT	PR	98	1296 55	NATHANS+ SIGMA CURVE	+
012 MG 024	(G,N)	2.6+	7	7.0+	7 USA EVAL	PR	97 444 55	MORINAGA SIGMA TBL	+
012 MG 024	(G,N)	1.7+	7	7.4+	7 SAS EXPT	NP	19 94 60	KING+ SIGMA CURVE	+
012 MG 024	(G,N)	1.6+	7	6.5+	7 USA EXPT	NP/A	127 474 69	ANDERSON+ SIGMA CURVE/TABLE	+
012 MG 024	(G,N)	1.6+	7	3.1+	7 AUL EXPT	NP/A	159 81 70	WEBB+ SIGMA CURVE	+
012 MG 024	(G,N)	1.6+	7	2.8+	7 LRL EXPT	PR/C	4 149 71	FULTZ+ SIGMA CURVE & INTEG.SIGMA	+
012 MG 024	(G,N)	2.8+	7	7 AML EXPT	NP/A	411	105 83	RYAN+ INTEG.SIGMA TBL	+
012 MG 024	(G,N)	1.6+	7	3.0+	7 CCP EVAL	NP/A	483 109 88	IRGASHEV+ TOT.PHOTONEUTRON SIGMA	+
012 MG 024	(G,N)	NDG		7 USA EVAL	PR	97	1185 55	MORINAGA YIELD RATIO	+

ELEMENT Z S A	QUANTITY	ENERGY(EV) MIN MAX	LAB TYPE	DOCUMENTATION			COMMENTS	DATA
				REF	VOL	PAGE YEAR		
012 MG 024	(G-P)	NDG	SWD THEO	NP/A	56	615	DIEHL+ PROTON DECAY FROM E1 STATE	
012 MG 024	(G-P)	2.8+ 7	EXPT	PR	97	1186	JOHANSSON INTEGRAT.SIGMA VALUE	+
012 MG 024	(G-P)	2.0+ 7	EXPT	NP/A	56	604	FORSMAN+ SIGMA CURVE	+
012 MG 024	(G-P)	3.0+ 7	EXPT	YF	30	1185	VARLIAMOV+ PARTIAL YIELD.WIDTH	
012 MG 024	(G-P)	NDG	USA EVAL	PR	97	1185	MORINAGA YIELD RATIO	
012 MG 024	(G-P SCATTERING)	9.9+ 6	UI EXPT	PR	163	1278	KUEHNE+ LEVEL WIDTH	
012 MG 024	(G-X)	7.0+ 7	USA EXPT	PR	113	1095	SCHUPP+ INTEGRATED SIGMA	+
012 MG 024	(G-XN)	1.2+ 7	CCP EXPT	NP/A	186	438	ISHKHANOV+ SIGMA CURVE	+
012 MG 024	(G-2N)	1.6+ 7	USA EXPT	NP/A	127	474	ANDERSON+ SIGMA CURVE/TABLE	+
012 MG 024	(E-A)	1.4+ 7	TOH EXPT	NP/A	431	269	HIROOKA+ INVERSE SIGMA(CURV,TBL)	+
012 MG 024	(E-E)	8.0+ 7	EXPT	PR/C	36	2212	HOTTA+	+
012 MG 024	(E-ELASTIC)	2.5+ 8	STF EXPT	PR/C	9	1861	LI+ DIFF.SIGMA TBL	+
012 MG 024	(E-F)	2.0+ 7	TOR EXPT	PRL	40	1248	SANDORFI+ DIFF. SIGMA	+
012 MG 024	(E-INELASTIC)	3.9+ 7	USA EXPT	PR	171	1250	FAGG+ 180DEG.SIGMA CURVE	+
012 MG 024	(E-INELASTIC)	1.2+ 7	GER EXPT	NP	220	66	TIIZE MOMENTUM TRANF.-DIFF.SIGMA	+
012 MG 024	(E-INELASTIC)	1.6+ 7	GER EXPT	NP	234	144	GOLDMANN DIFF.SIGMA CURVE	+
012 MG 024	(E-INELASTIC)	1.2+ 7	UK EXPT	NIM	101	203	HOGG+ TYPICAL SPECTRUM	+
012 MG 024	(E-MISCELLAN.)	8.2+ 7	GLS EXPT	NP/A	412	1	MACGREGOR+	
012 MG 024	(E-SCATTERING)	1.6+ 7	EXPT	PRL	45	1615	SANDORFI+ ELECTRODISINT.PRODUCT	
012 MG 024	(E-SCATTERING)	1.9+ 8	STF EVAL	PR	104	1466	HELM DIFF.SIGMA TBL & CURVE	+
012 MG 024	(E-SCATTERING)	3.9+ 7	NRL EXPT	PR/C	1	1137	FAGG+ DIFF.SIGMA TBL	+
012 MG 024	(E-SCATTERING)	5.0+ 8	STF EXPT	PR/C	9	2230	WHITNEY+ SIGMA TABLE	+
012 MG 024	(E-SCATTERING)	9.0+ 7	TOR EXPT	PR/C	29	1664	ZAPEK+ ELECTROMAG.FORM FACTOR	
012 MG 024	(E-SCATTERING)	1.0+ 8	CCP EXPT	SNP	7	705	SAVITSKII+ FORM FACTOR	
012 MG 024	(E-SCATTERING)	2.3+ 8	CCP EXPT	SNP	12	5	KHVASTUNOV+ FORM FACTOR	
012 MG 024	(E-SCATTERING)	NDG	CCP THEO	NP/A	483	92	KUCHTA CALCUL.FORM FACTOR	
012 MG 024	(E-SCATTERING)	NDG	AUL THEO	PR/C	41	335	AMOS+ FORM FACTOR	
012 MG 024	(E-SCATTERING)	NDG	AML THEO	NP/A	424	60	AMOS+ FORM FACTOR CURV	
012 MG 024	(N-G)	1. + 2	ORL EXPT	PR/C	14	1328	WEIGMANN+ LEVEL PARAM.	
012 MG 024	(N-G)	8.3+ 4	4.3+ 5	TIT EXPT	PR/C	41	UCHIYAMA+ RES.PARAM.	
012 MG 024	(N-G)	2.5- 2	NED EXPT	NP/A	102	209	SPILLING+ Q-VALUE	
012 MG 024	(N-G)	8.4+ 4	4.3+ 5	TIT EXPT	PR/C	41	UCHIYAMA+ RESONANCE CAPTURE	
012 MG 024	(P-G)	4.0+ 5	2.5+ 6	EXPT	SNP	45	POYARKOV+	
012 MG 024	(P-G)	2. + 5	2.3+ 6	CAN EXPT	NP/A	242	TRAUTVETTER+ DIFF.SIGMA CURVE	+
012 MG 024	(P-G)	1.7+ 6	2.0+ 6	CRC EXPT	PR	114	LITHERLAND+ RESON.CAPT.GAMMA	
012 MG 024	(P-G)	3. + 5	2.1+ 6	NED EXPT	NP/A	88	ENGELBERTINK+ RESONANCE STRENGTH	
012 MG 024	(P-G)	1.0+ 7	1.5+ 7	COL EXPT	PR	157	FELDMAN+ PROTON-CAPT.GAMMA	
012 MG 024	(P-G)	8.0+ 5	1.8+ 6	SAF EXPT	NP	227	VAN REENEN+ GAMMA INTENSITY	
012 MG 024	(P-G)	1.2+ 6	1.5+ 6	CAN EXPT	CJP	49	EVERLING+ AL-27 LEVEL	
012 MG 024	(P-G)	2.0+ 5	1.7+ 6	FIN EXPT	NP	252	PIIPARINEN GAMMA TRANSITION	
012 MG 024	(P-G)	1.9+ 8	USA EXPT	NP/A	484	90	WIESCHER+ AL-23 LEVEL	
012 MG 024	(A-G)	3.2+ 6	3.8+ 6	EXPT	PKL	10	KOLTAI+	
012 MG 024	(A-G)	4.3+ 6	1.4+ 7	EXPT	PR/C	27	KOHLMANN+ E1,E2 SIGMA CURV	
012 MG 024	(A-G)	1.5+ 6	3.8+ 6	NED EXPT	NP/A	301	MAAS+ SI-28 RES.	
012 MG 024	(A-G)	2.4+ 6	3.2+ 6	SWT EXPT	NP	43	RYTZ+ YIELD CURVE	
012 MG 024	(A-G)	3.2+ 6	4.5+ 6	ANL EXPT	PR	133	WEINMAN+ RES.PARAM.	
012 MG 024	(A-G)	5.3+ 6	1.5+ 7	ANL EXPT	NP/A	108	MEYER-SCHUETZMEISTER+ TAB/CURVE	+
012 MG 024	(A-G)	2.9+ 6	3.2+ 6	GER EXPT	NP/A	127	GRAWE+ GAMMA YIELD	
012 MG 024	(A-G)	1.4+ 6	2.8+ 7	USA EXPT	NP/A	130	LYONS GAMMA YIELD	
012 MG 025	(G,ABSORPTION)	NDG	CCP EVAL	NP	31	338	NEUDACHIN+ GIANT RES.OF DIPOLE RES	+

ELEMENT Z S A	QUANTITY	ENERGY (EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
012 MG 025	(G,G)	5. + 5	3.0+ 6	USA EXPT	NP/A 57	403	64		BOOTH+ RESONANCE FLUORESCENCE	+
012 MG 025	(G,N)	NDG		LRL EXPT	PR/C 3	672	71		BAGLAN+ DIFF. SIGMA CURVE	+
012 MG 025	(G,N)		2.4+ 7	PEN EXPT	PR 98	1296	55		NATHANS+ SIGMA CURVE	+
012 MG 025	(G,N)	8. + 6	2.9+ 7	LRL EXPT	PR/C 4	1673	71		ALVAREZ+ SIGMA CURVE	+
012 MG 025	(G,N)	5.1+ 5		LRL EXPT	PR/C 6	2295	72		BERMAN+ EXCITED STATES	+
012 MG 025	(G,P)	2.6+ 7	7.0+ 7	USA EVAL	PR 97	444	55		MORINAGA+ SIGMA-TBL	+
012 MG 025	(G,X)	4.5+ 9		CCP EXPT	SNP 41	533	85		ARAKELYAN+ C-11&N-13 PROD. SIGMA	+
012 MG 025	(E,ELASTIC)	4.0+ 7	2.6+ 8	MNZ EXPT	PR/C 16	1703	77		EUTENEUER+ ANG. DIST. SIGMA	+
012 MG 025	(E,INELASTIC)	1.2+ 8	2.6+ 8	BZL EXPT	PR/C 45	1556	92		MARINELLI+ DIFF. SIGMA TABLE	+
012 MG 025	(N,G)	1. + 2	1.8+ 6	QRL EXPT	PR/C 14	1328	76		WEIGMANN+ LEVEL PARAM.	+
012 MG 025	(N,G)	2.5- 2		NED EXPT	NP/A 102	209	67		SPILLING+ Q-VALUE	
012 MG 025	(N,G)	2.5- 2		USA EXPT	NP/A 529	39	91		KIKSTRA+ Q-VALUE	
012 MG 025	(P,G)	1.2+ 6		EXPT	NP/A 472	408	87		KOSLOWSKY+	
012 MG 025	(P,G)	1.0+ 6		CCP EXPT	BAS 51	67	87		KACHAN+	
012 MG 025	(P,G)	2.0+ 7		PTN EVAL	NP/A 505	384	89		CHAMPAGNE+ DEDUCED DIFF. SIG. CURVE	+
012 MG 025	(P,G)	3.2+ 8	5.9+ 8	EXTH	NP/A 349	154	80		ANDERSON+ RESONANCE STRENGTH	
012 MG 025	(P,G)	3. + 5	4. + 5	EXTH	ZP/A 296	263	80		NIERMANN+ RESONANCE ANALYSIS	
012 MG 025	(P,G)	3.9+ 5	3.9+ 5	YAL EXPT	NP/A 402	179	83		CHAMPAGNE+ RES. PARAM. TBL	+
012 MG 025	(P,G)	8. + 4	3.5+ 5	EXPT	ZP/A 293	261	79		ELIX+ RES.- BRANCH. RATIO, WIDTH	
012 MG 025	(P,G)		5.0+ 5	GER EXPT	ZP/A 320	693	85		BERGMEISTER+ RESONANCE PARAM.	
012 MG 025	(P,G)	9.5+ 5	1.8+ 6	USA EXPT	NP 31	231	62		NEHER+ GAMMA YIELD	
012 MG 025	(P,G)	3. + 5	1.7+ 6	SAF EXPT	NP/A 220	490	74		NEIJS+ AL-26 LEVEL	
012 MG 025	(P,G)	7.6+ 6	8.1+ 6	EXPT	IIV 44	1868	80		KOPANECH+ AL-26 LEVEL ENERGY	
012 MG 025	(P,G)	3.1+ 5	1.8+ 6	NED EXPT	NP/A 459	61	86		ENDT+ RESONANCE	
012 MG 025	(P,G)	3.1+ 5	1.8+ 6	NED EXPT	NP/A 476	333	88		ENDT+ AL-26 LEVELS	
012 MG 025	(P,G)		3.4+ 5	GER EXPT	NP/A 512	509	90		ILIADIS+ RES. PARAMETER	
012 MG 025	(P,G)	7. + 5	1.2+ 6	USA EXPT	NP/A 529	39	91		KIKSTRA+ Q-VALUE	
012 MG 026	(G,A)		2.4+ 7	GER EXPT	NP/A 234	365	74		WOLF+ DIFF. & TOTAL SIGMA CURVES	+
012 MG 026	(G,G)	5. + 5	3.0+ 6	USA EXPT	NP/A 57	403	64		BOOTH+ RESONANCE FLUORESCENCE	+
012 MG 026	(G,N)	NDG		LRL EXPT	PR/C 3	672	71		BAGLAN+ DIFF. SIGMA CURVE	+
012 MG 026	(G,N)	1.6+ 7	2.8+ 7	LRL EXPT	PR/C 4	149	71		FULTZ+ SIGMA CURVE & INTEG. SIGMA	+
012 MG 026	(G,P)	2.6+ 7	7.0+ 7	USA EVAL	PR 97	444	55		MORINAGA SIGMA TBL	+
012 MG 026	(G,P)	1.5+ 7	6.0+ 7	USA EXPT	PR/C 9	1919	74		ANDERSON+ SIGMA CURVE	+
012 MG 026	(G,P)		2.4+ 7	GER EXPT	NP/A 234	365	74		WOLF+ DIFF. & TOTAL SIGMA CURVES	+
012 MG 026	(G,P)		2.7+ 7	EXPT	NP/A 313	317	79		ISHKHANOV+ INTEGRATED SIGMA	+
012 MG 026	(G,SCATTERING)	1.0+ 7		UI EXPT	PR 163	1278	67		KUEHNE+ LEVEL WIDTH	
012 MG 026	(G,X)	4.5+ 9		CCP EXPT	SNP 41	533	85		ARAKELYAN+ C-11&N-13 PROD. SIGMA	+
012 MG 026	(G,XN)	1.2+ 7	3.0+ 7	CCP EXPT	NP/A 186	438	72		ISHKHANOV+ SIGMA CURVE	+
012 MG 026	(E,INELASTIC)	3.9+ 7	5.6+ 7	USA EXPT	PR 173	1103	68		BENDEL+ PARTIAL DIFF. SIGMA TBL	+
012 MG 026	(E,INELASTIC)	1.2+ 7	2.7+ 7	GER EXPT	ZP 234	144	70		GOLDMANN DIFF. SIGMA CURVE	+
012 MG 026	(E,SCATTERING)	2.3+ 8		CCP EXPT	SNP 12	5	71		KHVASTUNOV+ FORM FACTOR	+
012 MG 026	(E,X)	1.7+ 7	2.8+ 7	TOH EXPT	NP/A 248	477	75		SUGAWARA+ DIFF. SIGMA CURVE	+
012 MG 026	(N,G)	1. + 2	1.8+ 6	QRL EXPT	PR/C 14	1328	76		WEIGMANN+ LEVEL PARAM.	+
012 MG 026	(N,G)	2.5- 2		NED EXPT	NP/A 102	209	67		SPILLING+ Q-VALUE	
012 MG 026	(P,G)	2.1+ 6	2.2+ 6	EXPT	NP/A 472	408	87		KOSLOWSKY+	
012 MG 026	(P,G)	3. + 5	2.8+ 6	NED EXPT	NP/A 100	333	67		SHEPPARD+ ANGL. DISTRIBUT. OF GAMMA	
012 MG 026	(P,G)	3. + 5	2.8+ 6	NED EXPT	NP/A 100	316	67		VAN DER LEUN+ AL-27 LEVEL	
012 MG 026	(P,G)	3.4+ 5	1.0+ 6	NED EXPT	NP/A 301	237	78		MAAST+ ANG. DIST. COEF.	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
012 MG 026	(P,G)	3.4+	5	1.0+	6	NED	EXPT	NP/A 301	237 78
012 MG 026	(P,G)	5.+	5	2.0+	7	EXPT	NP/A 331	389 79	MAAS+ AL-27 RES.
012 MG 026	(P,G)	1.6+	6	4.0+	6	EXPT	JPJ 48	1804 80	PAINE+ ABS-RES-LENGTH TBL
012 MG 026	(P,G)	8.0+	4	3.6+	5	EXPT	NP/A 296	273 80	ISAGAWA+ ALSO 2ND GAMMA SPECT.
012 MG 026	(P,G)	6.5+	5			NOR	EXPT	NP 27	BUCHMANN+ RESONANCE
012 MG 026	(P,G)			1.2+	6	AUL	EXPT	NP 30	215 62
012 MG 026	(P,G)	3.+	5	2.1+	6	NED	EXPT	NP/A 88	12 66
012 MG 026	(P,G)	2.1+	6	2.5+	6	CCP	EXPT	SNP 5	825 67
012 MG 026	(P,G)	2.2+	6			CAN	EXPT	CJP 46	1649 68
012 MG 026	(P,G)	6.6+	5	1.0+	6	AUL	EXPT	NP/A 135	647 69
012 MG 026	(P,G)	2.0+	6	3.0+	6	NED	EXPT	NP/A 170	467 71
012 MG 026	(P,G)			3.4+	5	GER	EXPT	NP/A 512	509 90
012 MG 026	(A,G)	4.+	6	1.4+	7	ANL	EXPT	NP/A 108	180 68

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
013 AL 026	(P,G)	1.2+	6	EXPT	NP/A 385	461	82	KEINONEN+	+
013 AL 026	(P,G)	3.2+	5	EXPT	NIM 197	383	82	ALKEMADE+	+
013 AL 026	(P,G)	8.8+	5	EXPT	PL/B 113	137	82	DE WIT+	+
013 AL 026	(P,G)	6.+	5	EXPT	NP/A 373	326	82	ANDERSON+	+
013 AL 026	(P,G)	1.7+	5	MST	NP/A 415	93	84	BUCHMANN+ RES.PARAM. TBL	+
013 AL 027	(G,A)	1.0+	8	CCP	SNP 6	312	68	ANTUF+EV+ NA-24 PROD.SIGMA CURVE	+
013 AL 027	(G,A)	3.3+	7	GER	EXPT	502	66	WENDLING+ DOUBL.DIFF.SIGMA CURVE	+
013 AL 027	(G,A)	3.1+	7	KFK	EXPT	631	66	HOFFMANN+ ALPHA SPECTRUM	+
013 AL 027	(G,ABSORPTION)	1.3+	7	YUG	EXPT	PR 114	59	MIHALOVIC+ TOT.ABS.SIGMA CURVE	+
013 AL 027	(G,ABSORPTION)	1.3+	7	YUG	EXPT	NP 14	59	DULAR+ ABSORPT.SIGMA CURVE	+
013 AL 027	(G,ABSORPTION)	2.0+	7	PEN	EXPT	PR 118	60	CARROLL+ TOT.ABSORP.SIGMA	+
013 AL 027	(G,ABSORPTION)	1.3+	7	NBS	EXPT	PR 117	60	WYCKOFF+ ATTENUAT.-COEFF.TBL/CURVE	+
013 AL 027	(G,ABSORPTION)	1.0+	7	KFK	EXPT	NP 17	60	ZIEGLER ABSORPT.-SIGMA	+
013 AL 027	(G,ABSORPTION)	1.2+	7	AUL	THEO	NP 22	61	BAGLIN+ TOT.ABSORPT.SIGMA CURVE	+
013 AL 027	(G,ABSORPTION)	1.0+	8	UK	EXPT	NP/A 94	67	BROOKES+ TOT.ABSORP.SIGMA TBL/CRV	+
013 AL 027	(G,ABSORPTION)	6.4+	6	ISL	EXPT	NP/A 252	75	MOREH+ ATTENUAT.-COEFF.	+
013 AL 027	(G,ABSORPTION)	3.+	6	3.0+	7	EXPT	PR/C 21	SHERMAN+ TOF	+
013 AL 027	(G,ABSORPTION)	3.2+	4	1.5+	5	IND	EXPT	PUTTASWAMY+ TOT.ATTENUAT.SIGMA	+
013 AL 027	(G,ABSORPTION)	2.4+	8	3.3+	8	SAC	EXPT	CARLOS+ 2PT.,SIGMA PLOT	+
013 AL 027	(G,D)	1.1+	9	CCP	EXPT	SNP 14	84	ANTUF+EV+ DIFF.SIGMA CURVE	+
013 AL 027	(G,E)	2.6+	6	USA	EXPT	NP/A 80	65	TITUS+ PAIR PRODUCT.SIGMA VALUE	+
013 AL 027	(G,E)	1.6+	6	GER	EXPT	NP/A 183	65	SCHARMANN+ PHOTOEMISSION	+
013 AL 027	(G,ELASTIC)	1.2+	6	LRL	EXPT	PR 112	58	ALVAREZ+ 124DEG.SCATT.SIGMA	+
013 AL 027	(G,ELASTIC)	1.2+	6	CAN	EXPT	CJP 40	62	STANDING+ CO-60 G-SOURCE-SIGMA TBL	+
013 AL 027	(G,G)	2.0+	6	EXPT	PR/C 35	921	87	VODHANEL+	+
013 AL 027	(G,G)	1.5+	7	GER	EXPT	NP/A 175	63	SCHMID+ RESONANT SCATT.	+
013 AL 027	(G,G)	2.8+	5	6.6+	5	EXPT	NP/A 80	ANAND+ SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA	
		MIN	MAX		REF	VOL	PAGE YEAR			
013 AL 027	(G,G)	5. +	3.0+	6 USA EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	+
013 AL 027	(G,G)	1.0+ 6	1.3+ 6	SAF EXPT	NP/A	76	248	66	HOUGH+ RESONANT-SCATT.LEVEL WIDTH	+
013 AL 027	(G,G)	1.0+ 6		GER EXPT	NP/A	91	472	67	EVERS+ LEVEL WIDTH	+
013 AL 027	(G,G)	3.0+ 6		USA EXPT	PR	174	132	68	ROBINSON+ RESONANT-SCATT.	+
013 AL 027	(G,G)	1.0+ 6		SAF EXPT	NP/A	132	110	69	HOUGH+ LEVEL WIDTH	+
013 AL 027	(G,G)	1.0+ 6		USA EXPT	NP/A	184	574	72	IMADA+ LEVEL WIDTH	+
013 AL 027	(G,INELASTIC)	6.2+ 9		GER EXPT	2P	212	235	68	BRANDES 2ND PHOTON SPECTRUM	+
013 AL 027	(G,INELASTIC)	1.4+ 7		JAE EXPT	NP/A	188	461	72	SHIKAZONO+ LEVEL SCHEME	+
013 AL 027	(G,MESON)	1.2+ 9		COR EXPT	PR	133	B1200	64	SADOFF+ MESON PHOTOPRODUCTION	+
013 AL 027	(G,N)	2.2+ 7		SAS EXPT	CJP	39	1158	61	BAKER+ ANGL.DIFF.SIGMA	+
013 AL 027	(G,N)	2.6+ 7		7 USA EVAL	PR	97	444	55	MORINAGA SIGMA TBL	+
013 AL 027	(G,N)	1.3+ 7		7 AUL EXPT	NP	22	207	61	BAGLIN+ SIGMA CURVE	+
013 AL 027	(G,N)	1.3+ 7		7 AUL EXPT	NP/A	64	486	65	THOMPSON+ SIGMA CURVE	+
013 AL 027	(G,N)	1.3+ 7		7 LRL EXPT	PR	143	790	66	FULTZ+ SIGMA CURVE	+
013 AL 027	(G,N)	1.4+ 7		7 USA EXPT	PR	183	978	69	ANDERSON+ SIGMA CURVE	+
013 AL 027	(G,N)	3.0+ 8		1.0+ 9 ITY EXPT	NIM	93	77	71	NAPOLI+ ABSOL.SIGMA VALUE	+
013 AL 027	(G,N)	7.0+ 7		CAN EXPT	CJP	33	785	55	DIXON ENERGY & ANGL.DISTRIBUTION	+
013 AL 027	(G,N)	2.4+ 7		7 ITY EXPT	NP	47	607	63	MILONE NEUTRON SPEVTA	+
013 AL 027	(G,NP)	1.8+ 7		7 SWD EXPT	NIM	5	37	59	KOCKUM+ PHOTO-ABSORPTION SIGMA PLT	+
013 AL 027	(G,P)	8.0+ 7		7 CCP EXPT	SNP	12	627	71	ANTUF'EV+ DIFF. SIGMA CURVE	+
013 AL 027	(G,P)	4.0+ 8		7 SWD EXPT	2P	265	1	73	DOUGAN+ DIFF.SIGMA TABLE	+
013 AL 027	(G,P)	2.6+ 7		7 USA EVAL	PR	97	444	55	MORINAGA SIGMA TBL	+
013 AL 027	(G,P)	NDG		CCP COMP	SNP	42	668	85	ARZIBEKOV+ INTEGRATED SIGMA	+
013 AL 027	(G,P)	4.0+ 7		8 ORL THEO	PR/C	13	240	76	GABRIEL PHOTOPROTON SIGMA	+
013 AL 027	(G,P)	7.0+ 7		CAN EXPT	CJP	34	1480	56	DAWSON ENERGY & ANGL.DISTRIBUTION	+
013 AL 027	(G,P)	3.6+ 7		7 STF EXPT	PR	127	1746	62	DOUDGE+ PHOTOPROTON SPECTRA	+
013 AL 027	(G,P)	3.4+ 8		MIT EXPT	PR	99	1621	55	WEINSTEIN+ P-P COINCIDENCE	+
013 AL 027	(G,P)	1.7+ 8		2.2+ 8 CCP EXPT	SNP	51	999	90	AVAKYAN+ POLARIZATION	+
013 AL 027	(G,P)	3.5+ 8		CCP EXPT	SNP	51	385	90	ZYBALOV+ PROTON POLARIZATION	+
013 AL 027	(G,PION +)	5.5+ 8		STF EXPT	PR	105	1840	57	WILLIAMS+ Z-DEPEND.OF PION PRODUCT	+
013 AL 027	(G,PION +)	1.2+ 9		SWD EXPT	NP/A	162	193	71	BLOMQVIST+ PI+ PRODUCT.SIGMA CURV	+
013 AL 027	(G,PION +)	2.5+ 8		8 SWD EXPT	2P	261	255	73	FRIBERG+ SIGMA CURVE	+
013 AL 027	(G,PION +)	1.0+ 9		8 SWD EXPT	PR	108	1040	57	IMHOF+ POSITIV.PION PRODUCT.	+
013 AL 027	(G,PION)	1.0+ 8		3.0+ 8 UI EXPT	PR	123	1423	61	MCCLELLAND CHARGED MESON PRODUCT.	+
013 AL 027	(G,PION)	5.0+ 8		CCP EXPT	SNP	14	833	66	WALTERS+ POSITIV.PION PRODUCT.	+
013 AL 027	(G,PION)	3.6+ 8		2. +12 CCP EXPT	SNP	14	506	72	GRISHAEV+ SIGMA TBL	+
013 AL 027	(G,PION)	1.7+ 8		4.1+ 8 ITY THEO	PR/C	8	188	73	DEVANATHAN+ SIGMA CURVE	+
013 AL 027	(G,PION)	6.0+ 8		1.2+ 9 UFT EXPT	PR/C	16	1513	77	KUZ'MENKO+ PHOTO-&ELECTRO PRODUCTS	+
013 AL 027	(G,PION)	2.0+ 8		9.0+ 8 CCP EXPT	SNP	42	1	85	ARAKELYAN+ TOTAL PRODUCT. SIGMA	+
013 AL 027	(G,PION)	1.7+ 8		USA EXPT	PR	127	1772	62	SCHRACK+ MESON PRODUCTION	+
013 AL 027	(G,PION)	1.3+ 8		5.8+ 8 SWD EXPT	PR/C	15	988	77	BLOMQVIST+ ACTIVATION	+
013 AL 027	(G,PION)	3.0+ 8		4.5+ 8 CCP EXPT	SNP	53	379	91	BLEOUSOV+ DIFF.SIGMA TABLE	+
013 AL 027	(G-SCATTERING)	1.4+ 5		IND EXPT	NIM	131	163	75	ROY+ COHERENT SCATT.SIGMA CURVE	+
013 AL 027	(G,SCATTERING)	9.0+ 7		NBS EXPT	NP/A	157	49	70	CURRIE+ INTEGRAT.SIGMA VALUE	+
013 AL 027	(G,T)	3.0+ 6		3.8+ 7 EXPT	PR/C	36	911	87	SHERMAN+	+
013 AL 027	(G,X)	2.5+ 7		4.0+ 7 STF EXPT	PR	100	113	55	REAGAN N-14 PRODUCT.SIGMA CURVE	+
013 AL 027	(G,X)	2.5+ 9		CAL EXPT	PR	107	604	57	BRABANT+ ELECTRON PAIR-PRODUCT.	+
013 AL 027	(G,X)	1. + 9		7.4+ 9 SWD EXPT	NP/A	197	44	72	ANDERSSON+ SIGMA PLOT	+
013 AL 027	(G,X)	3.0+ 8		1.2+ 9 CCP EXPT	PR/C	8	206	73	NAPOLI+ SPALLATION PRODUCT SIGMA	+
013 AL 027	(G,X)				SNP	19	484	74	NOGA+ SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
013 AL 027	(G,X)	4.5+	8	GER EXPT	NP/A	221	145	74 DAVID+ SIGMA CURVE & TBL	+
013 AL 027	(G,X)	1.0+	7 1.6+	GER EXPT	NP/A	251	479	75 AHRENS+ SIGMA CURVE	+
013 AL 027	(G,X)	1.2+	9	CS	SNP	21	243	75 NOGA+ SIGMA RATIO & SIGMA TBL	+
013 AL 027	(G,X)	1.3+	8 5.8+	8 SVD EXPT	2P/A	278	83	76 BLOMQUIST+ SIGMA CURVE	+
013 AL 027	(G,X)	5.5+	7 8.5+	7 MRY THEO	PR/C	16	1812	77 WU+ PRE-EQUILIBRIUM ANALYSES	+
013 AL 027	(G,X)	4.4+	8 3.8+	9 CCP EVAL	SNP	44	187	86 AVAKYAN+ PRODUCT YIELD SIGMA	+
013 AL 027	(G,X)	3.0+	7 1.4+	8 EDG EXPT	NP/A	429	61	84 FLOWERS+ SIGMA CURV	+
013 AL 027	(G,X)	8.	+ 8 2.1+	9 GER EXPT	NP/A	160	237	71 KUMBARTZKI+ X=2PN PRODUCT. YIELD	
013 AL 027	(G,X)	1.5+	9	GER EXPT	NP/A	160	237	71 KUMBARTZKI+ SPOLLATION PRODUCT	
013 AL 027	(G,X)	2.	+ 9 4.5+	9 CCP EXPT	SNP	25	601	77 ASATURYAN+ YIELD CURVES	
013 AL 027	(G,XN)	1.3+	7 3.0+	7 ITY EXPT	NP	9	32	58 FERRERO+ SIGMA CURVE.(G,N+2N)	+
013 AL 027	(G,XP)	6.0+	7 1.0+	8 GLS EXPT	PL/B	79	356	78 FINDLAY+	
013 AL 027	(G,2P)	2.5+	7 6.5+	7 USA EXPT	PR	110	1113	58 AULL+ SIGMA CURVE	+
013 AL 027	(G,2PN)	2.0+	7 3.0+	8 USA EXPT	NP/A	122	606	68 MEYER+ SIGMA CURVE & TABLE	+
013 AL 027	(G,2PN)	9.5+	7 9.7+	8 SVD EXPT	2P/A	273	97	75 JOHNSON+ SIGMA CURVE	+
013 AL 027	(E,ABSORPTION)	2.5+	6 5.0+	7 GER THEO	2P	255	459	72 BORIE+ CAL-PAIR PRODUCT-SIGMA	+
013 AL 027	(E,ABSORPTION)	1.5+	8 5.0+	8 CCP EXPT	SNP	23	265	76 VLASENKO+ TOT.HADRONIC SIGMA	+
013 AL 027	(E,ABSORPTION)	3.4+	6 1.9+	7 UI EXPT	PR	115	633	59 HALL+ ENERGY LOSS	+
013 AL 027	(E,ABSORPTION)	5.3+	7 9.3+	7 USA EXPT	2P	271	69	74 BUSKIRK+ MOST PROBABLE ENERGY LOSS	
013 AL 027	(E,ELASTIC)	8.0+	7 2.0+	8 FR EXPT	NP/A	91	513	67 STOVALL+ FORM FACTOR	
013 AL 027	(E,ELASTIC)	1.0+	9 1.2+	9 CCP THEO	SNP	13	660	71 TIIOV+ ELECTROPRODUCT-MECHANISM	+
013 AL 027	(E,ELASTIC)	2.5+	8 5.0+	8 STF EXPT	PR/C	9	1861	74 LI+ DIFF-SIGMA TBL	+
013 AL 027	(E,ELASTIC)	5.0+	8	USA THEO	PR/C	9	2033	74 PREWITT+ DIFF-SIGMA CURVE	+
013 AL 027	(E,ELASTIC)	7.8+	8	USA EXTH	PR/C	45	780	92 GARINO+ DIFF-SIGMA CURVE & TBL	+
013 AL 027	(E,EP)	NDG		USA THEO	PR/C	45	791	92 PANDHARIPANDE+ NUCL-TRANSPARENCY	+
013 AL 027	(E,EP)	5.	+ 5 1.0+	6 NBS EXPT	PR	100	1560	55 MOTZ+ BREM-DIFF-SIGMA	+
013 AL 027	(E,G)	2.5+	7	UI EXPT	PR	117	194	60 JAMNIK+ 15MEV-BREM MEASURED	+
013 AL 027	(E,G)	2.2+	7	JPN EXPT	NIM	133	355	76 HIRAYAMA+ SPATIAL DIST.OF BREMSST	+
013 AL 027	(E,G)	1.8+	5 3.8+	5 GER EXPT	2P	197	8	66 AICINGER BREMSST-SIGMA CURVE	+
013 AL 027	(E,G)	2.7+	6 9.7+	6 NBS EXPT	PR	102	1598	56 STARFELT+ DIFF-SIGMA CURVE	+
013 AL 027	(E,G)	1.0+	6 2.1+	7 BZL THEO	NIM	91	135	71 FERDINAND+ CAL-BREMSST-SPECT.CRV	+
013 AL 027	(E,G)	3.0+	7 1.2+	8 UK THEO	NIM	111	157	73 MATTHEWS+ BREMSST-SPECT.CURVE	+
013 AL 027	(E,G)	2.	+ 6	AUS EXPT	2P	233	223	70 RANK LINEAR POLARIZATION OF BREMSST	+
013 AL 027	(E,INELASTIC)	5.0+	5	NBS EXPT	PR	132	1120	63 MOTZ+ 100DEG-DIFF-SIGMA CURVE	+
013 AL 027	(E,INELASTIC)	NDG		STF THEO	NP	43	242	63 GOLDEMBERG+ 180DEG-DIFF-SIGMA	+
013 AL 027	(E,INELASTIC)	8.0+	7 1.9+	8 FR EXPT	NP/A	101	601	67 LOMBARD+ DIFF-SIGMA TABLE	+
013 AL 027	(E,INELASTIC)	6.0+	7 3.4+	8 UMA EXPT	PR/C	27	2515	83 RYAN+ FORM FACTOR CURV	+
013 AL 027	(E,INELASTIC)	8.	+ 9 2.5+	9 STF EXPT	PRL	52	727	84 ARNOLD+	
013 AL 027	(E,INELASTIC)	3.7+	7 6.1+	7 NRL EXPT	PR/C	16	923	77 FAGG+ DOUBLE-DIFF. SIGMA	+
013 AL 027	(E,INELASTIC)	2.0+	7 6.0+	7 GER EXPT	2P	180	209	64 BREUER SCATT-ELECTRON SPECT.	
013 AL 027	(E,INELASTIC)	5.4+	7 9.7+	7 USA EXPT	2P	223	415	69 BUMILLER+ ENERGY LOSS DISTRIBUT.	
013 AL 027	(E,INELASTIC)	7.0+	7 3.4+	8 USA EXPT	PR/C	21	2177	80 HICKS+ SCAT-FORM FACT,TRANSIT.	
013 AL 027	(E,INELASTIC)	5.0+	7 1.0+	8 USA EXPT	PR/C	9	1418	74 O'BRIEN+ IONIZATION LOSS	
013 AL 027	(E,MISCELLAN.)	1.0+	8	EXPT	YF	32	297	80 KHVASTUNOV+ MIS=P,D,T,HE,A	
013 AL 027	(E,N)	1.0+	7 3.6+	7 STF EXPT	PR	116	1551	59 BARBER+ NEUTRON YIELD	+
013 AL 027	(E,P)	1.	+12 4.	+12 HRV EXPT	PR	135	81030	64 CHEN+ DIFF-SIGMA TBL	+
013 AL 027	(E,P)	1.5+	7 2.8+	7 TOH EXPT	NP/A	371	318	81 RYAN+ DIFF-SIGMA CURVE	+
013 AL 027	(E,P)	1.7+	7 2.6+	7 EXPT	NP/A	389	29	82 RYAN+	
013 AL 027	(E,P)	1.2+	9	CCP EXPT	SNP	11	145	70 TIIOV+	
013 AL 027	(E,PION)	1.3+	8 5.8+	8 SVD EXPT	PR/C	15	988	77 BLOMQUIST+ DOUBL-DIFF-SIGMA CURVE	+
013 AL 027	(E,SCATTERING)	1.5+	7 9.0+	7 MIT THEO	PR	98	1360	55 GLASSGOLD CAL-SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA	
		MIN	MAX		REF	VOL	PAGE YEAR			
013 AL 027	(E,SCATTERING) AD	6. + 5	1.7+ 6	USA EXPT	PR	97	372	55	BAYARD+ DIF.SIGMA TBL	+
013 AL 027	(E,SCATTERING) AD	1. + 6		GER EXPT	NP	174	257	63	FEBEL+ ANGL.DIST.OF ENERGY LOSS	
013 AL 027	(E,SCATTERING) AD	2.5+ 5	5.0+ 5	GER EXPT	NIM	79	240	70	JAKSCHIK+ BACKSCATTERING	+
013 AL 027	(E,SCATTERING) AD	1. + 6		GER EXPT	NP	235	191	70	BERGER+ COULOMB DIFF.SIGMA TABLE	+
013 AL 027	(E,SCATTERING) CS	3.0+ 8		USA THEO	PR/C	11	829	75	MURPHY+ DIFF. SIGMA CURVE	+
013 AL 027	(E,SCATTERING) ED	1. + 6		GER EXPT	NP	196	285	66	BRAUNSCHEIG+ 30DEG.SCATT.	
013 AL 027	(E,SCATTERING) XX	6.0+ 8	1.2+ 9	CCP EXPT	SNP	13	144	71	VLASENKO+ DOUBL.DIFF.SIGMA CURVE	+
013 AL 027	(E,SCATTERING) XX	NDG		CCP EXPT	SNP	24	237	76	BUKI+ FISS. NEUTRON YIELD	
013 AL 027	(E,SCATTERING) YD	6.0+ 8		STF EXPT	PR	111	647	58	MOZLEY+ MULTIPLE SCATT.	
013 AL 027	(E,SCATTERING) YD	6.0+ 4	1.0+ 5	GER EXPT	NP	174	91	63	BIENLEIN+ BACKSCATTERING	+
013 AL 027	(E,SCATTERING) YD	NDG		GER THEO	NP	179	116	64	THUEMMELEIN+ BACKSCATT.SIGMA	
013 AL 027	(E,SCATTERING) YD	5.1+ 4		GER EXPT	NP	188	124	65	HORSTMANN ABSOLUTE INTENSITY	
013 AL 027	(E,SCATTERING) YD	5.2+ 5	2.0+ 6	GER EXPT	NP	209	260	68	AIINGER+ PLURAL SCATT.	
013 AL 027	(E,X) AD	1.5+ 1		GER EVAL	NP	168	404	62	BOERSCH+ ANGL.DEPEND OF ENERG.LOSS	+
013 AL 027	(E,X) CS	8.0+ 8		ITY EXPT	NP/A	296	519	78	SERGIO DI LIBERTO+ PARTICLE EMISS.	
013 AL 027	(E,X) CS	1.5+ 9	1.6+ 9	ORL EXPT	PR/C	2	1371	70	FULMER+ RELATIV.YIELD	+
013 AL 027	(E,X) CS	3.0+ 8	1.2+ 9	CCP EXPT	SNP	19	484	74	NOGA+ PHOTO/ELECTRODISINT. RATIO	+
013 AL 027	(E,X) CS	1.2+ 9		CCP EXPT	SNP	21	243	75	NOGA+ SIGMA RATIO & SIGMA TBL	+
013 AL 027	(E,X) CS	1.3+ 8	5.8+ 8	SWD EXPT	NP/A	278	83	76	BLOMQUIST+ SIGMA CURV	+
013 AL 027	(E,X) DD	3.0+ 7	1.4+ 8	EDG EXPT	NP/A	429	61	84	FLOWERS+ SIGMA CURV	
013 AL 027	(E,X) XX	NDG		GER THEO	NP	216	115	68	KROEGER ENERGY LOSS IN THIN FOIL	
013 AL 027	(E,X) XX	1. + 9		ORL THEO	NSE	40	483	70	ALSMILLER+ ENERGY DEPOSITION	
013 AL 027	(E,X) YD	1. + 3	4. + 3	GER EXPT	NP	229	131	69	HOFFMANN+ CHARACT.X-RAY DEPTH DIST	
013 AL 027	(E,X) YD	3.0+ 9		ORL EXPT	PR	188	1752	69	FULMER+ RELATIV.YIELD	+
013 AL 027	(E,X) YD	2.5+ 9		USA EXPT	PR/C	4	2123	71	FULMER+ RELATIVE YIELD	+
013 AL 027	(E,X) CS	1.4+ 7		BLG EXPT	NP	9	569	58	VERVIER SB-BE SOURCE,SIGMA TBL	+
013 AL 027	(E,X) CS	1.4+ 7		HUN EXPT	NP	46	141	63	CSIKAI+ ACTIVAT.SIGMA VALUE	+
013 AL 027	(E,X) CS	1.4+ 7		HUN EXPT	NP/A	95	229	67	CSIKAI+ SIGMA TABLE	+
013 AL 027	(E,X) CS	1.4+ 7		GER EXPT	NP/A	111	360	68	DINTER SIGMA VALUE	+
013 AL 027	(E,X) CS	1.4+ 7		YUG EXPT	NP/A	130	401	69	CVELBAR+ SIGMA TABLE & CURVE	+
013 AL 027	(E,X) CS	1.4+ 7		YUG EXPT	NP/A	158	251	70	CVELBAR+ ACTIVATION SIGMA	+
013 AL 027	(E,X) CS	1.5+ 7		FR EXPT	NSE	55	17	74	RIGAUD+ SIGMA TABLE	+
013 AL 027	(E,X) CS	1.4+ 7		YUG COMP	NP/A	332	163	89	CVELBAR+ ACTIV.&INTEG. SIGMA	+
013 AL 027	(E,X) CS	1.4+ 7		CSR THEO	NP/A	332	163	89	CVELBAR+ INTERGAT-SIGMA	+
013 AL 027	(E,X) XX	2.5- 2		KFK EXPT	NP	219	114	69	EICHLER CIRCUL.POLARIZAT. OF GAMMA	
013 AL 027	(E,X) YD	PILE		ANL EXPT	PR	123	629	61	TOIT+ LIFETIME OF LEVEL	
013 AL 027	(E,X) YD	2.5- 2		YAL EXPT	NP	47	108	63	DRAPER+ TRANSIT.INTENSITY	
013 AL 027	(E,X) YD	3.5+ 4	1.2+ 5	ORL EXPT	NP	158	1049	67	BERGQUIST+ RES.CAPT.GAMMA YIELD	
013 AL 027	(E,X) YD	1. + 3	2.0+ 5	RPI EXPT	PR	178	1746	69	HOCKENBURY+ RES.PARAM.	
013 AL 027	(E,X) YD	2.5- 2		SWD EXPT	NP/A	126	392	69	HARDELL+ GAMMA INTENSITY	
013 AL 027	(E,X) YD	PILE		CAN EXPT	CJP	47	953	69	NICHOL+ GAMMA INTENSITY	
013 AL 027	(E,X) YD	2.5- 2		NED EXPT	NP/A	145	449	70	SPIITS+ GAMMA INTENSITY	
013 AL 027	(E,X) YD	2.5- 2		CAN EXPT	CJP	50	2845	72	ISHAQ+ GAMMA INTENSITY	
013 AL 027	(E,X) YD	4. + 3	4.2+ 5	COL EXPT	PR/C	11	1117	75	SINGH+ RES. PARAM.	
013 AL 027	(E,X) YD	6.0+ 5	3.4+ 6	MST EXPT	NIM	A256	9	87	WUISTENBECKER+	
013 AL 027	(P,G) AD	9.9+ 5	1.6+ 6	USA EXPT	NP/A	54	301	64	ANTOUFIEV+ GAMMA ANGL.DISTRIBUT.	
013 AL 027	(P,G) AD	1.8+ 7	2.3+ 7	CAN EXPT	CJP	42	2497	64	SEABORN ANGULAR COEFF.	+
013 AL 027	(P,G) AD	4. + 6	1.3+ 7	ANL EXPT	NP/A	65	577	65	SINGH+ DIFF.SIGMA CURVE	
013 AL 027	(P,G) AD	2.1+ 6	2.5+ 6	AUL EXPT	NIM	140	519	77	KENNEDY+ RES.CAPT.GAMMA	
013 AL 027	(P,G) AD	2.0+ 7	1.0+ 8	OSU EXPT	PR/C	37	503	88	HAUSMAN+ DIFF.SIGMA	+
013 AL 027	(P,G) AD	5. + 5	1.8+ 6	WMU EXPT	PR/C	38	2003	88	HARDIE+ DIFF.SIGMA	+

ELEMENT Z S A	QUANTITY	ENERGY(KEV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA		
		MIN	MAX		REF	VOL	PAGE	YEAR				
013 AL 027	(P-G)	NDG		UK	THEO	NP/A	63	383	65	TANNER SIGMA CURVE	+	
013 AL 027	(P-G)	4. + 6	1.2+	7	THEO	NP/A	166	397	71	MARANGONI+ SIGMA CURVE	+	
013 AL 027	(P-G)	5. + 5	2.0+	7	EXPT	NP/A	331	389	79	PAINE+ ABS.RES.STRENGTH TBL	+	
013 AL 027	(P-G)	1.4+ 7		WAU	EXPT	PR/C	27	493	83	SNOVER+ RES.PARAM.TBL	+	
013 AL 027	(P-G)	1.4+ 6	2.2+	6	EXPT	NP/A	385	194	82	ANTIILA+		
013 AL 027	(P-G)	1.6+ 6		WVA	EXPT	ZP/A	312	89	83	KICINSKA-HABIOR+ 3ANG-12STAT DDX		
013 AL 027	(P-G)	9.4+ 5	1.3+	6	NOR	EXPT	NP	44	130	63	NORHAGEN GAMMA SPECTRA AT RESON.	
013 AL 027	(P-G)	5. + 5	2.1+	6	NED	EXPT	NP/A	301	213	78	MAAS+ SI-28 RES.	
013 AL 027	(P-G)	4.0+ 7	8.0+	7	EXPT	PRL	42	700	79	KOVASH+ C-12 LEVELS		
013 AL 027	(P-G)	9.9+ 5	1.3+	6	NRL	EXPT	PR	130	1078	63	BONDELID+ RESONANCE ENERGY	
013 AL 027	(P-G)	5.0+ 5	5.1+	5	NOR	EXPT	NP	4	39	57	ANDERSEN+ GAMMA TRANSITION	
013 AL 027	(P-G)	5.0+ 5	1.4+	6	NOR	EXPT	NP	9	509	58	ANDERSEN+ RESONANCE ENERG..WIDTH	
013 AL 027	(P-G)	5. + 6	7.7+	6	CBR	EXPT	NP	10	45	59	GEMMELL+ GAMMA YIELD	
013 AL 027	(P-G)	6.3+ 5	1.2+	6	USA	EXPT	NP	21	106	60	DAHL+ RESONANCE ENERGY	
013 AL 027	(P-G)	9.9+ 5		WAS	EXPT	PR	125	2012	62	WALTERS+ YIELD CURVE		
013 AL 027	(P-G)	3.3+ 5	6.3+	5	USA	EXPT	PR	132	1710	63	VALERIO+ ANGL-CORRELAT.OF GAMMA	
013 AL 027	(P-G)	9.9+ 5		USA	EXPT	NP/A	51	113	64	COSTELLO+ RES.CURVE SHAPE		
013 AL 027	(P-G)	1.6+ 6	2.5+	6	EGY	EXPT	NP/A	56	401	64	ANTOUFIEV+ BRANCHING RATIO	
013 AL 027	(P-G)	8. + 5	1.4+	6	NOR	EXPT	NP/A	56	337	64	NORHAGEN+ RESONANCE PARAMETER	
013 AL 027	(P-G)	1.0+ 7		NED	EXPT	NP/A	88	235	66	VAN DER LEUN+ RESONANCE STRENGTH		
013 AL 027	(P-G)	3. + 5	2.1+	6	NED	EXPT	NP/A	88	12	66	ENGELBERTINK+ RESONANCE STRENGTH	
013 AL 027	(P-G)	9.9+ 5		CAN	EXPT	CJP	44	3075	66	AZUMA+ SI-28 DECAY		
013 AL 027	(P-G)	7. + 5	1.5+	6	USA	EXPT	NP/A	102	406	67	MOURAD+ RELATIVE YIELD	
013 AL 027	(P-G)	9. + 5	1.4+	6	USA	EXPT	NP/A	102	383	67	DONHOWE+ RELATIVE YIELD	
013 AL 027	(P-G)	3. + 5	2.6+	6	USA	EXPT	NP/A	130	1	69	LYONS+ RESONANCE PARAMETER	
013 AL 027	(P-G)	2.9+ 5	1.0+	6	SAF	EXPT	NP/A	136	663	69	MEYER+ SI-28 LEVEL	
013 AL 027	(P-G)	9. + 5	1.9+	6	USA	EXPT	NP/A	147	235	70	ROUSH+ RESONANCE ENERGY	
013 AL 027	(P-G)	1.0+ 6	2.0+	6	SAF	EXPT	NP/A	144	261	70	MEYER+ GAMMA INTENSITY	
013 AL 027	(P-G)	7.7+ 5	2.1+	6	FR	EXPT	NP/A	146	90	70	ALEONARD+ SI-28 LEVEL	
013 AL 027	(P-G)	6.6+ 5	2.2+	6	USA	EXPT	PR/C	3	1222	71	HUANG+ GAMMA SPECTRA	
013 AL 027	(P-G)	1.7+ 6		CAN	EXPT	CJP	49	685	71	LAM+ RESONANCE CAPTURE		
013 AL 027	(P-G)	8.5+ 5	3.0+	6	BAN	EXPT	ZP	257	380	72	AHMED+ PROTON RESONANCE	
013 AL 027	(P-G)	6.1+ 5		CAN	EXPT	CJP	50	1949	72	ANYAS-WEISS+ GAMMA INTENSITY		
013 AL 027	(P-G)	1.7+ 6	2.9+	6	FR	EXPT	PR/C	9	2200	74	DALMAS+ GAMMA BRANCHING	
013 AL 027	(P-G)	2.7+ 6	3.1+	6	CAN	EXPT	NP/A	255	351	75	FRANK+ SI-28 LEVEL	
013 AL 027	(P-G)	3. + 5	2.5+	6	SAF	EXPT	NP/A	250	235	75	MEYER+ SI-28 LEVEL	
013 AL 027	(P-G)	9.9+ 5		USA	EXPT	NIM	131	517	75	SCOTT+ GAMMA INTENSITY		
013 AL 027	(P-G)	5. + 5	9. + 5		EXPT	PR/C	17	1550	78	PAINE+ RESONANCE STRENGTH		
013 AL 027	(P-G)	5. + 6	8. + 6		GRA	EXPT	CJP	56	917	78	DALMAS+ SI-28 LEVELS	
013 AL 027	(P-G)	3.7+ 6		WAS	EXPT	NP/A	305	144	78	OSBORNE+ YIELD CURVE		
013 AL 027	(P-G)	1.1+ 7	2.4+	7	WAU	EXPT	PRL	50	1191	83	LOWELL+	
013 AL 027	(P-G)	NDG		OSU	EVAL	PR/C	37	1759	88	RACKERS+ SIGMA RATIO		
013 AL 027	(P-G)	6.5+ 5	1.3+	6	NED	EXPT	NP/A	510	209	90	ENDT+ MG-24 LEVEL	
013 AL 027	(P-G)		3.4+	5	GER	EXPT	NP/A	512	509	90	ILIADIS+ RES.PARAMETER	
013 AL 027	(D-G)	4.6+ 6		USA	EXPT	PR	100	774	55	BENT+ D-CAPT.GAMMA		
013 AL 027	(A-G)	2.3+ 6	3.3+	6	NED	EXPT	NP/A	176	97	71	DE VOIGT+ P-31 LEVEL	
013 AL 027	(A-G)	5.1+ 5	1.2+	6	SWT	EXPT	NP	43	229	63	RYTZ+ YIELD CURVE	

ELEMENT Z S A	QUANTITY	ENERGY(CEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
014 SI 000	(G, ABSORPTION) CS	1.5+	7 2.5+	7 YUG EXPT	NP	14	131	DULAR+ ABSORPT-SIGMA CURVE	+
014 SI 000	(G, ABSORPTION) CS	1.0+	7 3.0+	7 YUG EXPT	NIM	75	190	BEZIC+ TOT.ABSORPT-SIGMA CURVE	+
014 SI 000	(G, G) YD	2. +	6 1.6+	7 LRL EXPT	PR	125	335	SEWARD RESONANT SCATT.	+
014 SI 000	(G, N) CS	1.2+	7 3.0+	7 USA EXPT	PR	132	2251	BOLEN+ SIGMA CURVE/INTEG.SIGMA	+
014 SI 000	(G, N) CS	1.8+	7 6.6+	7 USA EXPT	PR	183	978	ANDERSON+ SIGMA CURVE	+
014 SI 000	(G, N) ED	7.0+	8 1.2+	9 CCP EXPT	SNP	13	265	ANTUF'EV+ DEUTERON SPECT.	+
014 SI 000	(G, P) CS	1.5+	7 2.7+	7 CCP EXPT	SNP	4	359	GORYACHEV+ SIGMA CURVE & TBL	+
014 SI 000	(G, P) ED	7.0+	8 1.2+	9 CCP EXPT	SNP	13	265	ANTUF'EV+ DEUTERON SPECT.	+
014 SI 000	(G, SCATTERING) CS	1.0+	7 1.1+	7 NRL EXPT	PR	120	175	IOBIN RESONANT SCATT-SIGMA	+
014 SI 000	(G, X) CS	1.0+	7 3.0+	7 GER EXPT	NP/A	251	479	ARENS+ SIGMA CURVE	+
014 SI 000	(G, X) CS	1.2+	9	CCP EXPT	SNP	21	243	NOGA+ SIGMA RATIO & SIGMA TBL	+
014 SI 000	(G, X) CS	4.4+	8 3.8+	9 CCP EVAL	SNP	44	187	AVAKYAN+ PRODUCT YIELD SIGMA	+
014 SI 000	(E, ABSORPTION) XX	NDG		GER EXPT	NP	218	352	MEYER-EHMSEN+ ABSORPT. BY CRYSTAL	+
014 SI 000	(E, ABSORPTION) XX	1.2+	9	CCP EXPT	SNP	48	24	ADEISHVILI+ ENERG.LOSS OF POSITRON	+
014 SI 000	(E, G) YD	5.0+	4	GER EXPT	NP	245	154	HEITMANN CERENKOV RADIATION	+
014 SI 000	(E, INELASTIC) YD	3.0+	1 2.0+	2 USA THEO	NP	224	19	BAUER SLOW ELECTRON SCATT.	+
014 SI 000	(E, SCATTERING) ED	NDG		GER EXPT	NP	171	436	CREUZBURG+ SCATT. BY CRYSTAL	+
014 SI 000	(E, X) CS	1.2+	9	CCP EXPT	SNP	21	243	NOGA+ SIGMA RATIO & SIGMA TBL	+
014 SI 000	(N, G) CS	5.0+	4	GER EXPT	NP/A	138	412	ZEPPENFELD+ ENERGY-LOSS SPECTRUM	+
014 SI 000	(N, G) CS	1.4+	7	YUG EXPT	NP/A	154	243	CVELBAR+ SIGMA PLOT	+
014 SI 000	(N, G) CS	1.4+	7	FR EXPT	NP/A	154	243	RIGAUD+ INTEGRAT-SIGMA TABLE	+
014 SI 000	(N, G) CS	1.4+	7	YUG EXPT	NP/A	158	251	CVELBAR+ ACTIVATION SIGMA	+
014 SI 000	(N, G) ED	2.7+	6 6.2+	6 YUG EXPT	NP/A	289	229	LINDHOLM+ PART-SIGMA, DECAY LVL	+
014 SI 000	(N, G) YD	2.5-	2	CRC EXPT	PR	115	401	MANNING+ G-G ANGL-CORRELAT.	+
014 SI 028	(G, A))	1.6+	7 2.5+	7 EXPT	NP/A	474	397	KERKHOVE+	+
014 SI 028	(G, A) CS	1.6+	7 3.2+	7 AUL EXPT	NP/A	72	23	CANNINGTON+ SIGMA CURVE	+
014 SI 028	(G, A) CS	1.6+	7 2.3+	7 UI EXPT	PR/C	27	470	GULBRANSON+ PARTIAL SIGMA CURV	+
014 SI 028	(G, ABSORPTION) CS	1.0+	7 3.0+	7 YUG EXPT	NP/A	117	124	BEZIC+ SIGMA CURVE	+
014 SI 028	(G, ELASTIC) CS	1.3+	7 3.1+	7 EXTH	YF	32	1465	ISHKHANOV+ 16PT.	+
014 SI 028	(G, G) CS	1.8+	6	CCP EXPT	SNP	5	339	BEGZHANOV+ RES-SCATT-SIGMA TBL	+
014 SI 028	(G, G) CS	1.7+	7 2.8+	7 AUL EXPT	PR/C	39	324	ALARCON+ PARTIAL SIGMA	+
014 SI 028	(G, G) YD	5. +	5 3.0+	6 USA EXPT	NP/A	57	403	BOOTH+ RESONANCE FLUORESCENCE	+
014 SI 028	(G, G) YD	4.4+	5 1.3+	6 GER EXPT	NP/A	81	370	SKORKA+ RESONANT FLUORESC.	+
014 SI 028	(G, G) YD	1.8+	6 3.6+	6 BLG EXPT	NP/A	120	126	CRETEN+ LEVEL WIDTH	+
014 SI 028	(G, INELASTIC) CS	1.3+	7 3.1+	7 EXTH	YF	32	1465	ISHKHANOV+ 16PT.	+
014 SI 028	(G, N) CS	1.6+	7 3.0+	7 CCP EXPT	SNP	7	698	GORYACHEV+ SIGMA CURVE & TBL	+
014 SI 028	(G, N) CS	1.6+	7 2.4+	7 YAL EXPT	NP/A	147	19	WU+ 90DEG-SIGMA CURVE	+
014 SI 028	(G, N) CS	1.6+	7 3.1+	7 AUL EXPT	NP/A	159	81	WEBB+ SIGMA CURVE	+
014 SI 028	(G, N) CS	1.4+	7 2.8+	7 BOL THEO	NP/A	166	397	MARANGONI+ SIGMA CURVE	+
014 SI 028	(G, N) YD	NDG		USA EVAL	PR	97	1185	MORINAGA YIELD RATIO	+
014 SI 028	(G, N) YD	1.3+	7 3.3+	7 SAS EXPT	PR/C	27	960	PYWELL+ SIGMA & INTEG-SIGMA TBL	+
014 SI 028	(G, P))	1.6+	7 2.5+	7 EXPT	NP/A	474	397	KERKHOVE+	+
014 SI 028	(G, P) CS	2.8+	7	SWD EXPT	PR	97	1186	JOHANSSON INTEGRAT-SIGMA VALUE	+
014 SI 028	(G, P) CS	1.6+	7 3.2+	7 AUL EXPT	NP/A	72	23	CANNINGTON+ SIGMA CURVE	+
014 SI 028	(G, P) CS	1.8+	7	ITY EXPT	NP/A	63	161	BIZZETTI+ PARTIAL SIGMA	+
014 SI 028	(G, P) CS	1.6+	7 2.3+	7 UI EXPT	PR/C	27	470	GULBRANSON+ PARTIAL SIGMA CURV	+
014 SI 028	(G, P) ED	1.5+	7 3.0+	7 KFK EXPT	NP	177	514	ULLRICH DIFF-SIGMA CURVE	+
014 SI 028	(G, P) YD	2.9+	7	EXPT	IIV	43	186	VARLAMOV+ PARTIAL TRANSIT.	+

ELEMENT Z S A	QUANTITY	ENERGY(CEV) MIN MAX	LAB TYPE	DOCUMENTATION				COMMENTS	DATA	
				REF	VOL	PAGE	YEAR			
014 SI 028	(G,P) YD	NDG	USA EVAL	PR	97	1185	55	MORINAGA YIELD RATIO		
014 SI 028	(G,PION) CS		CCP EXPT	SNP	23	129	76	EPANESHNIKOV+ SIGMA CURVE	+	
014 SI 028	(G,PION) ED	3.0+ 8	CCP EXPT	SNP	22	226	75	TONAPETIAN+ 90DEG.SIGMA CURVE	+	
014 SI 028	(G,SCATTERING) AD	1.5+ 7	1.4+ 8	GER EXPT	NP/A	528	189	91	SCHLHAAS+ DIFF.SIGMA CURVE	+
014 SI 028	(G,SCATTERING) XX	1.1+ 7	1.2+ 7	UI EXPT	PR	163	1278	67	KUEHNE+ LEVEL WIDTH	
014 SI 028	(G,X) CS	1.0+ 8	1.2+ 9	CCP EXPT	SNP	6	312	68	ANTIUF'EV+ NA-24 PROD.SIGMA CURVE	+
014 SI 028	(G,X) YD		4.0+ 8	CCP EXPT	SNP	17	124	73	GONCHAROV+ YIELD CURVE	
014 SI 028	(G,X) YD	2. + 9	4.5+ 9	CCP EXPT	SNP	25	601	77	ASATURYAN+ YIELD CURVES	
014 SI 028	(E,ELASTIC) AD	2.5+ 8	5.0+ 8	STF EXPT	PR/C	9	1861	74	LI+ DIFF.SIGMA TBL	+
014 SI 028	(E,INELASTIC) AD	4.2+ 7		STF EXPT	PR	128	2750	62	EDGE+ SIGMA TBL	+
014 SI 028	(E,INELASTIC) AD	NDG		USA THEO	NP/A	63	496	65	SEABORN+ TRANSVERSE FORM FACTOR	
014 SI 028	(E,INELASTIC) CS	8.2+ 7	1.6+ 8	GLS EXPT	NP/A	412	1	84	MACGREGOR+	
014 SI 028	(E,INELASTIC) DD	9. + 6	2.0+ 7	CCP EXPT	PL/B	93	250	80	YEN+ HIGH RES.MEAS..FORM FACTOT	+
014 SI 028	(E,INELASTIC) DD	1.0+ 7	3.0+ 7	CCP EXPT	SNP	7	8	68	AFANAS'EV+ DOUBL.DIFF.SIGMA TBL	
014 SI 028	(E,INELASTIC) DD	9.6+ 7	2.8+ 8	TOR EXPT	PR/C	27	1939	83	YEN+ FORM FACTOR CURV	
014 SI 028	(E,INELASTIC) DD	NDG		TOR EXPT	PL/B	124	471	83	YEN+ ELECTROMAG.FORM FACTOR	
014 SI 028	(E,INELASTIC) ED	4. + 6	9.2+ 7	EXPT	PR/C	19	299	79	PITTHAN+ E2 STRENGTH	
014 SI 028	(E,INELASTIC) ED	1.3+ 8	2.9+ 8	EXPT	PR/C	22	374	80	WHITNER+ FORM FACTOR	
014 SI 028	(E,INELASTIC) YD	3.0+ 7	5.6+ 7	GER EXPT	2P	196	174	66	LIESEM PARTIAL DIFF.SIGMA	+
014 SI 028	(E,INELASTIC) YD	1.1+ 7	1.4+ 7	CCP EXPT	SNP	18	487	74	CHKALOV+ FORM FACTOR	
014 SI 028	(E,INELASTIC) YD	5.0+ 7	6.4+ 7	THD EXPT	PL/B	77	367	78	KNUIPFER+ ANGULAR DIST.	
014 SI 028	(E,P) XX	NDG		SPN THEO	NP/A	477	445	88	MOYA DE GUERRA+	
014 SI 028	(E,PION) AD	2.0+ 8		TOH EXPT	NP/A	486	512	88	SHODA+ 90DEG. SIGMA CURVE	+
014 SI 028	(E,SCATTERING) AD	1.9+ 8		STF EVAL	PR	104	1466	56	HELM DIFF.SIGMA TBL & CURVE	+
014 SI 028	(E,SCATTERING) AD	4.0+ 7		STF EXPT	PR	120	2081	60	BARBER+ EXCITATION BY SCATTERING	
014 SI 028	(E,SCATTERING) AD	1.0+ 8	2.6+ 8	CCP EXPT	SNP	6	499	68	SAVITSKII+ TRANSITION MATRIX ELEM.	
014 SI 028	(E,SCATTERING) AD	6.9+ 8	1.1+ 9	CCP EXPT	SNP	11	10	70	DEMENTTII+ DOUBL.DIFF.SIGMA CURVE	+
014 SI 028	(E,SCATTERING) DD	NDG		IND THEO	PR/C	30	789	84	NATARAJAN+ ANG.CORREL. CURV	
014 SI 028	(E,SCATTERING) XX	1.0+ 8	2.6+ 8	CCP EXPT	SNP	7	705	68	SAVITSKII+ FORM FACTOR	
014 SI 028	(E,SCATTERING) XX	1.1+ 8	2.6+ 8	CCP EXPT	SNP	8	376	69	SAVITSKII+ FORM FACTOR	
014 SI 028	(E,SCATTERING) XX	6.0+ 8	1.2+ 9	CCP EXPT	SNP	13	144	71	VLASENKO+ DOUBL.DIFF.SIGMA CURVE	+
014 SI 028	(E,SCATTERING) YD	NDG		AML THEO	NP/A	424	60	84	AMOS+ FORM FACTOR CURV	
014 SI 028	(N,G)		2.8+ 6	GEL EXPT	PR/C	36	585	87	WEIGMANN+	
014 SI 028	(N,G) CS	3. + 6	1.4+ 7	TLU EXPT	2P/A	317	149	84	LINPHOLM+ 90DEG.SIGMA CURV	
014 SI 028	(N,G) ED	5.7+ 5	8.1+ 5	EXPT	NP/A	334	269	80	JOLY+ RESONANCE PARAMETERS	
014 SI 028	(N,G) ED	4.9+ 5	8.1+ 5	TIT EXPT	NP/A	452	205	86	SHIMIZU+ SI-28 RESONANCE	
014 SI 028	(N,G) ED	2.5- 2		MCM EXPT	PR/C	41	1272	90	ISLAM+ LEVEL ENERGY	
014 SI 028	(N,G) YD	2.5- 2		NED EXPT	NP/A	145	449	70	SPITS+ GAMMA INTENSITY	
014 SI 028	(N,G) YD	2.5- 2		ANL EXPT	NP/A	157	520	70	BEARD+ TRANSIT.GAMMA	
014 SI 028	(N,G) YD	3. + 3	1.5+ 6	AIN EXPT	NP/A	252	62	75	BOLDENMAN+ RES. PARAM.	
014 SI 028	(P,G)	4.0+ 5	2.5+ 6	EXPT	SNP	45	940	87	POVARKOV+	
014 SI 028	(P,G) AD	3. + 6	1.1+ 7	CRC EXPT	NP	26	480	61	GOVE+ 90DEG.YIELD OF GAPT.GAMMA	
014 SI 028	(P,G) CS	1.3+ 6	2.3+ 6	EXPT	NP/A	324	1	79	TERRASI+ 2ND GAM.ANG.DIST.	
014 SI 028	(P,G) ED	3. + 5	2.3+ 6	NED EXPT	NP	25	409	61	VAN OOSTRUM+ GAMMA SPECTR.AT RES.	
014 SI 028	(P,G) YD	1.3+ 6	3.2+ 6	JAN EXPT	NP/A	52	561	64	EJRI+ GAMMA INTENSITY	
014 SI 028	(P,G) YD	3. + 5	2.1+ 6	NED EXPT	NP/A	88	12	66	ENGELBERTINK+ RESONANCE STRENGTH	
014 SI 028	(P,G) YD	1.4+ 6	1.7+ 6	ISL EXPT	NP/A	136	145	69	BOUDE+ P-29 LEVEL	
014 SI 028	(P,G) YD	3.5+ 5	2.7+ 6	FR EXPT	NP/A	223	125	74	BYRSKI+ RESONANCE PARAM.	
014 SI 028	(P,G) YD	7. + 6	2.4+ 7	USA EXPT	NP/A	449	301	86	LIM+ GAMMA YIELD	
014 SI 028	(P,G) YD	NDG		OSU EVAL	PR/C	37	1759	88	RACKERS+ SIGMA RATIO	
014 SI 028	(P,G) YD	3.7+ 5	3.0+ 6	USA EXPT	NP/A	510	346	90	GRAFF+ RESONANCE CAPTURE	

ELEMENT Z S A	QUANTITY	ENERGY(KEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
014 SI 028	(A,G)	4.2+	6.0+	6 FR	NP/A	176	401 71	CHEVALLIER+ S-32 LEVEL	
014 SI 028	(A,G)	3.7+	6.5.1+	6 EXPT	NP/A	385	43 82	CSEH+	
014 SI 028	(A,G)	1.1+	7.2.1+	7 EXPT	PR/C	20	5 79	CALARCO+ PARTIAL SIGMA-E1,E2 ST	+
014 SI 028	(A,G)	7.1+	6.1.2+	7 ANL	NP/A	108	180 68	MEYER-SCHUEITZMEISTER+ TAB/CURVE	
014 SI 028	(A,G)	3.7+	6.3.8+	6 FR	NP/A	124	350 69	VERNOTTE+ RESONANT CAPT GAMMA	
014 SI 028	(A,G)	2.9+	6.3.2+	6 GER	NP/A	127	13 69	GRAWE+ GAMMA YIELD	
014 SI 028	(A,G)	1.4+	6.2.7+	6 USA	NP/A	172	589 71	TOEVS RESONANCE PARAMETER	
014 SI 028	(A,G)	4.1+	6.1.6+	7 EXPT	PR/C	20	415 79	KUHLMANN+ INTEG.E1-STRENGTH TBL	
014 SI 029	(G,G)	5.1+	5.3.0+	6 USA	NP/A	57	403 64	BOOTH+ RESONANCE FLUORESCENCE	
014 SI 029	(G,G)	4.0+	6.6.4+	6 DER	NP/A	68	177 65	SKORKA+ LEVEL WIDTH	
014 SI 029	(G,N)	9.5+	6.1.8+	7 EXPT	PR/C	36	1621 87	MCNEILL+	
014 SI 029	(G,N)	2.6+	7.3.3+	7 AUL	NP/A	457	1 86	RYAN+ INTEGRATED SIGMA	+
014 SI 029	(G,N)	1.3+	7.3.3+	7 SAS	NP/A	457	960 83	PYWELL+ SIGMA & INTEG.SIGMA TBL	+
014 SI 029	(G,P)	NDG		7 IND	THEO	NP	654 62	DEVANATHAN+ DIFF.SIGMA TBL	+
014 SI 029	(G,P)	2.6+	7.7.0+	7 USA	PR	97	444 55	MORINAGA+ SIGMA TBL	+
014 SI 029	(G,P)	2.6+	7.7.0+	7 AUL	EXPT	NP/A	457 1	RYAN+ INTEGRATED SIGMA	+
014 SI 029	(G,P)	2.0+	7.6.0+	7 BZL	EXPT	PR/C	42 1559	DIAS+ INTEG.SIGMA VALUE/CURVE	+
014 SI 029	(G,XN)	8.1+	6.2.8+	7 AML	NP/A	369	141 81	PYWELL+ SIGMA CURVE	+
014 SI 029	(G,2P)	2.0+	7.6.0+	7 BZL	EXPT	PR/C	42 1559	DIAS+ INTEG.SIGMA VALUE/CURVE	+
014 SI 029	(E,ELASTIC)	9.0+	7.2.8+	8 MNZ	NP/A	430	189 84	MIESSEN+ TRANSV.SIGMA TBL	+
014 SI 029	(E,INELASTIC)	1.3+	8.2.9+	8 EXPT	PR/C	22	374 80	WHITNER+ FORM FACTOR	+
014 SI 029	(E,SCATTERING)	NDG		7 USA	THEO	PL/B	133 5	BROWN+ MAG.MOMENT CURV	
014 SI 029	(N,G)	2.5-	2	6 MCM	EXPT	PR/C	41 1272	ISLAM+ LEVEL ENERGY	
014 SI 029	(N,G)	2.5-	2	6 NED	EXPT	NP/A	145 449	SPIITS+ GAMMA INTENSITY	
014 SI 029	(N,G)	2.5-	2	6 ANL	EXPT	NP/A	157 520	BEARD+ TRANSIT.GAMMA	
014 SI 029	(N,G)	2.5-	2	6 NED	EXPT	NP/A	224 517	SPIITS+ GAMMA BRANCHING	
014 SI 029	(N,G)	3.1+	3.1.5+	6 AIN	EXPT	NP/A	252 62	BOLDEMAN+ RES. PARAM.	
014 SI 029	(P,G)	7.3+	5.1.8+	6 EXPT	PR/C	21	1196 80	ANTTILE+ P-30 LEVEL SCHEME	
014 SI 029	(P,G)	2.1+	5.8.1+	5 NED	EXPT	PR	110 96	VAN DER LEUN+ RESONANCE ANALYSIS	
014 SI 029	(P,G)	1.1+	6.1.4+	6 JPN	EXPT	NP/A	51 470	EJIRI+ LEVEL WIDTH	
014 SI 029	(P,G)	3.1+	5.2.1+	6 NED	EXPT	NP/A	88 12	ENGELBERTINK+ RESONANCE STRENGTH	
014 SI 029	(P,G)	7.0+	5.1.8+	6 USA	EXPT	PR	157 958	HARRIS+ PROTON-CAPT.GAMMA	
014 SI 029	(P,G)	7.0+	8.1.8+	9 USA	EXPT	PR	187 1413	HARRIS+ P-30 LEVEL	
014 SI 029	(P,G)	3.1+	5.2.3+	6 SAF	EXPT	NP/A	435 333	REINECKE+ P-30 LEVEL	
014 SI 029	(A,G)	2.0+	6.4.3+	6 ALB	EXPT	ZP/A	285 207	OKON+ S-33 LEVELS	
014 SI 030	(G,A)	2.6+	7	6 AUL	EXPT	NP/A	457 1	RYAN+ INTEGRATED SIGMA	+
014 SI 030	(G,G)	5.1+	5.3.0+	6 USA	EXPT	NP/A	57 403	BOOTH+ RESONANCE FLUORESCENCE	
014 SI 030	(G,N)	2.6+	7	6 AUL	EXPT	NP/A	457 1	RYAN+ INTEGRATED SIGMA	+
014 SI 030	(G,N)	1.3+	7.3.3+	7 SAS	EXPT	PR/C	27 960	PYWELL+ SIGMA & INTEG.SIGMA TBL	+
014 SI 030	(G,NP)	2.6+	7	6 AUL	EXPT	NP/A	457 1	RYAN+ INTEGRATED SIGMA	+
014 SI 030	(G,P)	2.6+	7.7.0+	7 USA	PR	97	444 55	MORINAGA+ SIGMA TBL	+
014 SI 030	(G,P)	1.0+	8.7.0+	8 SWD	EXPT	NP/A	171 551	FRIBERG+ SIGMA CURVE	+
014 SI 030	(G,P)	7.5+	7.8.0+	8 SWD	EXPT	ZP/A	282 261	BUELOW+ SIGMA CURVE	+
014 SI 030	(G,P)	2.6+	7	6 AUL	EXPT	NP/A	457 1	RYAN+ INTEGRATED SIGMA	+
014 SI 030	(G,P)	2.0+	7.6.0+	7 BZL	EXPT	PR/C	42 1559	DIAS+ INTEG.SIGMA VALUE/CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(KEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
014 SI 030	(G,X	5.1+	7	GER EXPT	2P	189	355	66 ARTUS+ SIGMA VALUE	+
014 SI 030	(G,XN			EXPT	NP/A	388	445	82 OPGERS+	
014 SI 030	(G,2N	2.6+	7	AUL EXPT	NP/A	457	1	86 RYAN+ INTEGRATED SIGMA	+
014 SI 030	(G,2N	1.3+	7	7 SAS EXPT	PR/C	27	960	83 PYWELL+ SIGMA & INTEG.SIGMA TBL	+
014 SI 030	(G,2P	7.5+	7	6.4+	8 LND EXPT	2P/A	285	323 78 BUILOW+ SIGMA	+
014 SI 030	(G,2P	2.0+	7	6.0+	7 BZL EXPT	PR/C	42	1559 90 DIAS+ INTEG.SIGMA VALUE/CURVE	+
014 SI 030	(N,G	1.4+	7	HUN EXPT	NP/A	95	229	67 CSIKAI+ SIGMA TABLE	+
014 SI 030	(N,G	2.5-	2	MCM EXPT	PR/C	41	1272	90 ISLAM+ LEVEL ENERGY	+
014 SI 030	(N,G	2.5-	2	NED EXPT	NP/A	145	449	70 SPIITS+ GAMMA INTENSITY	
014 SI 030	(N,G	2.5-	2	ANL EXPT	NP/A	157	520	70 BEARD+ TRANSIT.GAMMA	
014 SI 030	(N,G	2.5-	2	CCP EXPT	SNP	15	605	72 DZHAFAR+ N-CAPT GAMMA	
014 SI 030	(N,G	3. + 3	1.5+	6 AIN EXPT	NP/A	252	62	75 BOLDEMAN+ RES. PARAM.	
014 SI 030	(P,G	8. + 5	2.2+	6 NED EXPT	NP/A	124	273	69 WOLFF+ ANGL.DISTRIBUT. OF GAMMA	
014 SI 030	(P,G	3. + 6	4. + 6	6 SAF EXPT	NP/A	124	165	69 WIECHERS+ ANGL.DISTRIBUT. OF GAMMA	
014 SI 030	(P,G	2.0+	7	3.6+	7 DKE EXPT	PR/C	43	223 91 FELDMAN+ ISOVECTOR GIANT QUADRUPOLE	
014 SI 030	(P,G	5. + 5	2.0+	7 EXPT	NP/A	331	389	79 PAINE+ ABS.RES.STRENGTH TBL	
014 SI 030	(P,G	1.1+	6	1.3+	6 USA EXPT	PR	145	866 66 HARRIS+ CAPT.GAMMA ANGL.CORRELAT.	
014 SI 030	(P,G	5. + 6	2.8+	7 EXPT	PR/C	22	397	80 CAMERON+ 90 DEG YIELD CURVE	
014 SI 030	(P,G	7.6+	5	HLS EXPT	NP	10	215	59 SIMONS SPIN/PARITY OF RES.LEVEL	
014 SI 030	(P,G	3. + 5	2.1+	6 NED EXPT	NP/A	88	12	66 ENGELBERTINK+ RESONANCE STRENGTH	
014 SI 030	(P,G	1.2+	6	USA EXPT	PR	162	1037	67 WILLMES+ P-31 LEVEL	
014 SI 030	(P,G	2. + 6	3. + 6	6 SAF EXPT	NP/A	99	337	67 BORNMAN+ RESONANCE PARAMETER	
014 SI 030	(P,G	5. + 5	2.3+	6 NED EXPT	NP/A	107	332	68 WOLFF+ BRANCHING RATIO	
014 SI 030	(P,G	2. + 6	3. + 6	6 SAF EXPT	NP/A	112	231	68 BORNMAN+ DECAY SCHEME	
014 SI 030	(P,G	4.9+	5	2.5+	6 SAF EXPT	NP/A	254	45 75 NEIJS+ RESONANCE PARAM.	
014 SI 030	(D,G	4. + 6	1.5+	7 USA EXPT	NP/A	86	417	66 PEMENT+ SIGMA TABLE	+
014 SI 030	(D,G	6. + 6	1.8+	7 UK EXPT	NP/A	119	673	68 DALY+ SIGMA CURVE	+
014 SI 030	(A,G	1.1+	7	2.1+	7 EXPT	PR/C	20	5 79 CALARCO+ PARTIAL SIGMA-E1,E2 ST	
014 SI 030	(A,G	2.1+	6	3.3+	6 NED EXPT	NP/A	52	104 64 VAN DER LEUN+ ANGL.CORRELATION	
014 SI 030	(A,G	3.3+	7	4.3+	6 SAF EXPT	NP/A	72	113 65 MCMURRAY+ RESONANCE WIDTH	
014 SI 030	(A,G	3.3+	6	5.0+	6 SAF EXPT	NP/A	92	175 67 WIECHERS+ YIELD CURVE	
014 SI 030	(A,G	4. + 6	1.6+	7 EXPT	PR/C	20	415	79 KUHLMANN+ INTEG.E1-STRENGTH TBL	
014 SI 031	(N,G	PILE		DEN EXPT	PR/C	43	2874	91 THOMSEN+ SIGMA=73+-6 MB	+

ELEMENT Z S A	QUANTITY	ENERGY(KEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
015 P 029	(P,G)	NDG		USA THEO	ZP/A	329	121	88 WIESCHER+	
015 P 031	(G,ABSORPTION) CS	1.0+	7 2.7+	7 YUG EXPT	NP	14	131	DULAR+ ABSORPT.SIGMA CURVE	+
015 P 031	(G,ABSORPTION) CS	5.-	1 3.+	0 GER EXPT	ZP/A	282	143	FELDMANN+ PHOTODETACH.SIGMA CURVE	+
015 P 031	(G,ABSORPTION) YD	7.9+	6	NED EXPT	PR	110	1442	SMITH+ RESONANT ABSORPTION	
015 P 031	(G,G)	5.-	5 3.0+	6 USA EXPT	NP/A	57	403	BOOTH+ RESONANT FLUORESCENCE	
015 P 031	(G,G)	4.4+	5 1.3+	6 GER EXPT	NP/A	81	370	SKORKA+ RESONANT FLUORESC.	
015 P 031	(G,G)	1.0+	6 1.3+	6 SAF EXPT	NP/A	76	248	HOUGH+ RESONANT SCATT.LEVEL WIDTH	
015 P 031	(G,G)	7.9+	6 8.2+	6 SAF EXPT	NP/A	109	393	HOUGH+ LEVEL WIDTH	
015 P 031	(G,G)	3.1+	6	BLG EXPT	NP/A	107	347	CRETEN+ LEVEL WIDTH	
015 P 031	(G,INELASTIC)	1.4+	7	JAE EXPT	NP/A	188	461	SHIKAZONO+ LEVEL SCHEME	
015 P 031	(G,N)	2.6+	7 7.0+	7 USA EVAL	PR	97	444	MORINAGA SIGMA TBL	+
015 P 031	(G,N)	1.2+	7 3.0+	7 USA EXPT	PR	132	2251	BOLEN+ SIGMA CURVE/INTEG.SIGMA	+
015 P 031	(G,N)	1.4+	7 2.4+	7 CAN EXPT	CJP	41	180	MCDONALD+ SIGMA CURVE	+
015 P 031	(G,N)	1.0+	8 8.0+	8 SWD EXPT	NP/A	171	551	FRIBERG+ SIGMA CURVE	+
015 P 031	(G,N)	1.5+	8 9.5+	8 SWD THEO	NP/A	171	529	ANDERSSON+ SIGMA CURVE	+
015 P 031	(G,N)	NDG	7 1.3+	7 FR EXPT	SNP	47	575	ARZIBEKOV+ PARTIAL INTEGR.SIGMA	+
015 P 031	(G,N)	1.2+	7 1.3+	7 FR EXPT	PR	123	855	SADEN AVTIVATION CURVE	+
015 P 031	(G,P)	1.7+	7 2.5+	7 GHT EXPT	PR/C	31	1071	KERKHOVE+ ANGULAR SIGMA CURVE	+
015 P 031	(G,P)	NDG	7 2.5+	7 CCP EVAL	SNP	47	575	ARZIBEKOV+ PARTIAL INTEGR.SIGMA	+
015 P 031	(G,SCATTERING) XX	3.5+	6	USA EXPT	PR	183	918	RASMUSSEN+ GAMMA WIDTH	
015 P 031	(G,X)	3.2+	6	USA EXPT	SNP	45	562	ARZIBEKOV+	+
015 P 031	(G,X)	2.-	9 4.5+	9 CCP EXPT	SNP	25	601	ASATURYAN+ YIELD CURVES	+
015 P 031	(G,XN)	1.2+	7 2.5+	7 BLG EXPT	ZP	271	391	DEVOS+ SIGMA CURVE	+
015 P 031	(G,2P)	2.3+	7 6.2+	7 USA EXPT	NP/A	150	625	ANDERSON+ SIGMA CURVE/VALUE	+
015 P 031	(G,2P)	7.5+	7 6.4+	8 LND EXPT	ZP/A	285	323	BUILOW+ SIGMA	+
015 P 031	(G,2PN)	7.5+	7 6.4+	8 LND EXPT	ZP/A	285	323	BUILOW+ SIGMA	+
015 P 031	(G,3P)	7.5+	7 6.4+	8 LND EXPT	ZP/A	285	323	BUILOW+ SIGMA	+
015 P 031	(G,3PN)	7.5+	7 6.4+	8 LND EXPT	ZP/A	285	323	BUILOW+ SIGMA	+
015 P 031	(E,ELASTIC)	9.0+	7 2.8+	8 MN2 EXPT	NP/A	430	189	MIESSEN+ TRANSV.SIGMA TBL	+
015 P 031	(E,SCATTERING) AD	1.3+	8 1.8+	8 FR EXPT	NP/A	62	615	KOSSANYI-DEMAY+ DIFF.SIGMA TABLE	+
015 P 031	(E,SCATTERING) YD	NDG		USA THEO	PL/B	133	5	BROWN+ MAG.MOMENT CURV	+
015 P 031	(N,G)	1.4+	7	HUN EXPT	NP/A	95	229	CSIKAI+ SIGMA TABLE	+
015 P 031	(N,G)	1.4+	7	YUG EXPT	NP/A	138	412	CVELBAR+ ACTIVATION SIGMA	+
015 P 031	(N,G)	1.4+	7	YUG EXPT	NP/A	158	251	CVELBAR+ SIGMA PLOT	+
015 P 031	(N,G)	PILE	3 5.0+	5 ORL EXPT	NIM	109	493	ISHIKAWA SIGMA VALUE	+
015 P 031	(N,G)	2.6+	4	ORL EXPT	PR/C	32	379	MACKLIN+ PARTIAL RAD. SIGMA	+
015 P 031	(N,G)	3.0+	4	KFK EXPT	PR/C	32	379	MACKLIN+ AVERAGE SIGMA	+
015 P 031	(N,G)	2.5-	2	NED EXPT	ZP	213	352	EICHER CIRCUL.POLARIZATION	+
015 P 031	(N,G)	2.5-	2	NED EXPT	NP/A	352	125	BOER+ P-32 LEVEL	+
015 P 031	(N,G)	2.5-	2	CRC EXPT	PR	115	401	MANNING+ G-G ANGL.CORRELAT.	+
015 P 031	(N,G)	2.5-	2	NED EXPT	NP/A	72	1	VAN MIDDELKOOP+ GAMMA TRANSITION	+
015 P 031	(N,G)	2.5-	2	NED EXPT	NP/A	97	209	MIDDELKOOP GAMMA INTENSITY	+
015 P 031	(N,G)	PILE	5 2.0+	6 SAF EXPT	CJP	45	3039	LYCKLAMA+ GAMMA INTENSITY	+
015 P 031	(N,G)	3.5+	5 2.0+	6 SAF EXPT	NP/A	185	644	COETZEE+ DECAY GAMMA	+
015 P 031	(N,G)	2.5-	2	GDE EXPT	NP/A	501	437	MICHAELSEN+ GAMMA TRANSITION	+
015 P 031	(P,G)	1.3+	6 1.6+	6 USA EXPT	PR	181	1555	PILUSO+ LIFETIME & ANG.DIST.	+
015 P 031	(P,G)	9.5+	6 1.2+	7 UK EXPT	NP/A	138	253	MASON+ DIFF.SIGMA CURVE	+
015 P 031	(P,G)	NDG		UK THEO	NP/A	63	383	TANNER SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(CEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA			
		MIN	MAX		REF	VOL	PAGE YEAR					
0015 P 031	(P/G	4.7+	6	UK	EXPT	NP/A 138	253	69	MASON+ ABSOLUT.SIGMA VALUE	+		
0015 P 031	(P/G	1.2+	6	HLS	EXPT	PR/C 23	1900	81	HENTELAE S-32 STATES			
0015 P 031	(P/G	8.1+	5	6	ORE	EXPT	PR/C 9	1192	74	CHENG+ MEAN LIFETIME OF STATES		
0015 P 031	(P/G	6.8+	5	6	CRC	EXPT	PR 99	1339	55	PAUL+ P-CAPT.GAMMA		
0015 P 031	(P/G	5.+	6	7.7+	6	CBR	EXPT	NP 10	45	GENMELL+ GAMMA YIELD		
0015 P 031	(P/G	3.6+	5	5.4+	5	HUN	EXPT	NP 39	631	62	BERKES+ RESONANCE WIDTH	
0015 P 031	(P/G	3.6+	5	4.4+	5	USA	EXPT	NP 31	65	62 NELSON+ GAMMA INTENSITY		
0015 P 031	(P/G	3.6+	5	4.4+	5	NED	EXPT	NP 40	438	63	TER+ GAMMA YIELD	
0015 P 031	(P/G	2.+	6	1.2+	7	HAR	EXPT	NP/A 64	177	65	DEARNALEY+ GAMMA INTENSITY	
0015 P 031	(P/G	3.+	5	2.1+	6	NED	EXPT	NP/A 88	12	66	ENGBELTYINK+ RESONANCE STRENGTH	
0015 P 031	(P/G	8.1+	5	1.6+	6	FR	EXPT	NP/A 135	281	69	THIBAUD+ GAMMA INTENSITY	
0015 P 031	(P/G	1.2+	6	1.6+	6	FR	EXPT	NP/A 212	493	73	VERNOTTE+ PROTON RESONANCE	
0015 P 031	(P/G	3.0+	5	1.4+	6	FIN	EXPT	2P 269	173	74	VIRTASALO+ BRANCHING RATIO	
0015 P 031	(P/G	1.3+	6	1.6+	6	FR	EXPT	PR/C 13	984	76	VERNOTTE+ S-32 LEVELS	
0015 P 031	(P/G	5.+	5	9.+	5	USA	EXPT	PR/C 17	1550	78	PAINE+ RESONANCE STRENGTH	
0015 P 031	(P/G	2.8+	5	6.2+	5	USA	EXPT	NP/A 533	153	91	ILIADIS+ BRANCHING	
0015 P 031	(D/G	4.6+	6	USA	EXPT	PR 100	774	55	BENT+ D-CAPT.GAMMA			

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
016 S 000	(G,A) ED	3.1+	7	KFK EXPT	NP/A	85	631	66	HOFFMANN+ ALPHA SPECTRUM	+
016 S 000	(G,ABSORPTION) CS	1.1+	7	YUG EXPT	NP	14	131	59	DULAR+ ABSORPT-SIGMA CURVE	+
016 S 000	(G,ABSORPTION) CS	3.2+	4	IND EXPT	CJP	59	22	81	PUTTASWAMY+ TOT.ATTENUAT.SIGMA	+
016 S 000	(G,D) YD	6.5+	7	USA EXPT	PR	99	137	55	RING JR. YIELD RATIO	+
016 S 000	(G,N) CS	1.2+	7	USA EXPT	PR	132	2251	63	BOLEN+ SIGMA CURVE/INTEG.SIGMA	+
016 S 000	(G,NP) CS	1.8+	7	SWD EXPT	NIM	5	37	59	KOCKUM+ PHOTO-ABSORPTION SIGMA PLT	+
016 S 000	(G,P) CS	2.8+	7	SWD EXPT	PR	97	1186	55	JOHANSSON INTEGRAT.SIGMA VALUE	+
016 S 000	(G,P) YD	6.5+	7	USA EXPT	PR	99	137	55	RING JR. YIELD RATIO	+
016 S 000	(G,X) CS	3.0+	7	ITY EXPT	NP	34	637	62	BONAZZOLA+ SIGMA CURVE,X=TN	+
016 S 000	(G,X) CS	4.4+	8	3.8+ 9 CCP EVAL	SNP	44	187	86	AVKAYAN+ PRODUCT YIELD SIGMA	+
016 S 000	(E,E)	5.4+	8	7.3+ 8	PR/C	35	1063	87	O'CONNELL+	+
016 S 000	(N,G) YD	2.5- 2		CRC EXPT	PR	115	401	59	MANNING+ G-G ANGL.CORRELAT.	+
016 S 000	(N,G) YD	2.5- 2		CSR EXPT	NP/A	68	449	65	KOPECKY+ POLARIZATION OF GAMMA	+
016 S 000	(N,G) YD	NDG		CAN EXPT	ZP/A	322	121	85	KENNETT+ GAMMA INTENSITY	+
016 S 030	(G,N) YD	NDG		USA EVAL	PR	97	1185	55	MORINAGA YIELD RATIO	
016 S 030	(G,P) YD	NDG		USA EVAL	PR	97	1185	55	MORINAGA YIELD RATIO	
016 S 031	(G,X) CS	2.4+	7	1.0+ 8 UI	PR	116	173	59	O'CONNELL+ RELAT.INTEG.SIGMA	+
016 S 031	(G,2N) CS	2.4+	7	1.0+ 8 UI	PR	116	173	59	O'CONNELL+ RELAT.INTEG.SIGMA	+
016 S 031	(E,INELASTIC) YD	5.0+	7	2.5+ 8 UMA	NP/A	241	299	75	KLINE+ FORM FACTOR	
016 S 032	(G,ABSORPTION) CS	1.0+	7	3.0+ 7 CCP EXPT	SNP	8	626	69	DOLBILKIN+ SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA	
		MIN	MAX		REF	VOL	PAGE YEAR			
016 S 032	(G,D)	1.9+	7 2.2+	7 BZL EXPT	NP	7	202	58 GOLDBERG+ SIGMA CURVE	+	
016 S 032	(G,D)	3.1+	7 3.1+	7 ITY EXPT	NP	15	436	60 FERRERO+ SIGMA CURVE	+	
016 S 032	(G,D)	4.5+	7 4.5+	7 USA THEO	NP	33	1	62 MADSEN+ SIGMA CURVE	+	
016 S 032	(G,D)	1.5+	7 6.2+	7 USA EXPT	NP/A	156	74	70 ANDERSON+ AVERAG-SIGMA CURVE	+	
016 S 032	(G,D)	1.9+	7 3.0+	7 AUL EXPT	NP/A	175	17	71 BRAMANIS SIGMA CURVE	+	
016 S 032	(G,D)	NDG	7 3.0+	7 POL THEO	NP	4	248	57 SAWICKI+ SIGMA RATIO (GD)/(GP)	+	
016 S 032	(G,D)DISINTEGR.)	1.5+	7 3.8+	7 CCP THEO	NP/A	143	429	70 MAJLING+ CAL-SIGMA CURVE	+	
016 S 032	(G,G)	1.7+	7 2.8+	7 AUI EXPT	PR/C	39	324	89 ALARCON+ PARTIAL SIGMA	+	
016 S 032	(G,G)	5. +	5 3.0+	6 USA EXPT	NP/A	57	403	64 BOOTH+ RESONANCE FLUORESCENCE	+	
016 S 032	(G,N)	2.0+	7 3.1+	7 ITY EXPT	NP	15	436	60 FERRERO+ SIGMA CURVE	+	
016 S 032	(G,N)	3.2+	7 3.2+	7 AUL EVAL	PR	164	1397	67 WEBB+ SIGMA CURVE	+	
016 S 032	(G,N)	3.0+	7 3.0+	7 CCP EXPT	SNP	7	698	68 GORYACHEV+ SIGMA CURVE & TBL	+	
016 S 032	(G,N)	1.6+	7 2.4+	7 YAL EXPT	NP/A	147	19	70 WU+ 90DEG-SIGMA CURVE	+	
016 S 032	(G,N)	1.5+	7 6.2+	7 USA EXPT	NP/A	156	74	70 ANDERSON+ AVERAG-SIGMA CURVE	+	
016 S 032	(G,N)	1.3+	6 2.2+	6 CCP EXPT	SNP	12	121	71 ISHKHANOV+ INTEG-SIGMA	+	
016 S 032	(G,N)	1.5+	7 3.3+	7 HAR EXPT	NP/A	52	437	64 FIKR ENERGY LEVEL	+	
016 S 032	(G,NP)	3.0+	7 8.0+	7 ITY EXPT	NP	15	436	60 FERRERO+ SIGMA CURVE	+	
016 S 032	(G,NP)	5.0+	7 3.0+	8 UI EXPT	PR	139	8554	65 VAN HISE+ INTEGRAT-SIGMA VALUE	+	
016 S 032	(G,NP)	1.9+	7 3.0+	7 AUL EXPT	NP/A	175	17	71 BRAMANIS SIGMA CURVE	+	
016 S 032	(G,P)	2.2+	7 3.5+	7 CCP EXPT	SNP	4	544	67 ISHKHANOV+ SIGMA CURVE	+	
016 S 032	(G,P)	1.3+	6 2.2+	6 CCP EXPT	SNP	12	121	71 ISHKHANOV+ INTEG-SIGMA	+	
016 S 032	(G,P)	1.7+	7 3.0+	7 MOS EXPT	SNP	28	302	78 VARLAMOV+ ELECTRIC DIPOLE RES.	+	
016 S 032	(G,P EMISSION)	3.2+	7 3.0+	7 CCP EXTH	SNP	44	727	86 ARZIBEKOV+ INTEGRATED SIGMA	+	
016 S 032	(G,PN)	1.5+	7 6.2+	7 USA EXPT	NP/A	156	74	70 ANDERSON+ AVERAG-SIGMA CURVE	+	
016 S 032	(G,X)	3.1+	7 3.1+	7 ITY EXPT	NP	15	436	60 FERRERO+ SIGMA CURVE, X=TN	+	
016 S 032	(G,X)	1. +	9 4.5+	7 ITY EXPT	PR/C	8	206	73 NAPOLI+ SPALLATION PRODUCT SIGMA	+	
016 S 032	(G,X)	2. +	9 4.5+	9 CCP EXPT	SNP	25	601	77 ASATURYAN+ YIELD CURVES	+	
016 S 032	(G,X)	1.5+	7 6.2+	7 USA EXPT	NP/A	156	74	70 ANDERSON+ AVERAG-SIGMA CURVE	+	
016 S 032	(G,2N)	2.5+	8 5.0+	8 STF EXPT	PR/C	9	1861	74 LI+ DIFF-SIGMA TBL	+	
016 S 032	(E,ELASTIC)	NDG	7 7.4+	7 NBS EXPT	SAC EVAL	NP/A	218	509	74 SICK DIFF-SIGMA CURVE	+
016 S 032	(E,ELASTIC)	3.4+	7 7.4+	7 NBS EXPT	PR/C	29	713	84 BURT+ ANG.DIST-SIGMA TBL	+	
016 S 032	(E,ELASTIC)	1.2+	8 3.2+	8 MNZ EXPT	PL/B	130	5	83 GYUFKO+ 3ENERG.,CHARGE DIST.	+	
016 S 032	(E,INELASTIC)	NDG	7 7.4+	7 NBS EXPT	CCP THEO	NP/A	170	141	71 BELY+ DOUBLE DIFF-SIGMA CURVE	+
016 S 032	(E,SCATTERING)	1.9+	8 1.8+	8 FR EXPT	PR	104	1466	56 HELM DIFF-SIGMA TBL & CURVE	+	
016 S 032	(E,SCATTERING)	1.2+	8 1.8+	8 FR EXPT	NP/A	59	398	64 LOMBARD+ DIFF-SIGMA TBL & CURVE	+	
016 S 032	(E,SCATTERING)	3.9+	7 5.6+	7 USA EXPT	PR/C	4	2089	71 FAGG+ DIFF-SIGMA TBL & CURVE	+	
016 S 032	(E,SCATTERING)	4.0+	7 1.5+	8 CCP THEO	SNP	14	619	72 BELY+ DIFF-SIGMA CURVE	+	
016 S 032	(E,SCATTERING)	1.3+	7 3.1+	7 CCP EXPT	SNP	10	400	70 GUL'KAROV+ SIGMA CURVE & TBL	+	
016 S 032	(E,SCATTERING)	NDG	7 3.1+	7 CSN THEO	NP	41	118	63 BISHOP DEFORMATION PARAM.	+	
016 S 032	(N,G)	1.3+	4 6.0+	4 ORL EXPT	PR	136	8695	64 MACKLIN+ SIGMA VALUE	+	
016 S 032	(N,G)	1.4+	7 1.4+	7 YUG THEO	NP/A	130	413	69 CVELBAR+ SIGMA TABLE & CURVE	+	
016 S 032	(N,G)	1.4+	7 1.4+	7 YUG EXPT	NP/A	130	401	69 CVELBAR+ SIGMA TABLE & CURVE	+	
016 S 032	(N,G)	1.4+	7 1.4+	7 YUG EXPT	NP/A	158	251	70 CVELBAR+ ACTIVATION SIGMA	+	
016 S 032	(N,G)	2.5+	3 1.1+	6 YUG EXPT	PR/C	21	545	80 HALPERIN+ TITOTAL, CAPT SIGMA	+	
016 S 032	(N,G)	2.5-	2 1.1+	6 ORL EXPT	PR/C	32	18	85 RAMAN+ CAPT.GAMMA	+	
016 S 032	(N,G)	2.5-	2 1.1+	6 NED EXPT	NP/A	72	1	65 VAN MIDDLEKOOP+ GAMMA TRANSITION	+	
016 S 032	(N,G)	2.5-	2 1.1+	6 NED EXPT	NP/A	80	321	66 VAN MIDDLEKOOP+ GAMMA INTENSITY	+	
016 S 032	(N,G)	3.0+	4 1.1+	5 ORL EXPT	PR	158	1049	67 BERGQVIST+ RES-CAPT.GAMMA YIELD	+	
016 S 032	(N,G)	2.5-	2 1.1+	5 HUN EXPT	NP/A	91	44	67 KARDON+ G-G ANGL.CORRELATION	+	
016 S 032	(N,G)	2.5-	2 1.1+	5 CAN EXPT	NP/A	96	658	67 KENNETT+ GAMMA INTENSITY	+	

ELEMENT Z S A	QUANTITY	ENERGY (eV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
016 S 032	(N-G)	2.5-	2	DEN EXPT	NP/A	127	385	69 KOECKY+ LEVEL SPIN	
016 S 032	(N-G)	2.0+	5	TIT EXPT	NP/A	536	109	92 KITAZAWA+ RES. WIDTH	
016 S 032	(P-G)	3. + 5	2.1+	6 NED EXPT	NP/A	88	12	66 ENGELBERTINK+ RESONANCE STRENGTH	
016 S 032	(P-G)	3.4+ 6	5.4+	6 IND EXPT	PR/C	5	1270	72 ESWARAN+ CL-33 STATES	
016 S 032	(P-G)	4. + 5	2.0+	6 USA EXPT	NP/A	539	97	92 ILIADIS+ BRANCHING RATIO	
016 S 032	(A-G)	2.2+ 6	3.2+	6 NED EXPT	NP/A	52	515	64 ERNE+ RESONANCE	
016 S 032	(A-G)	2.9+ 6	3.2+	6 GER EXPT	NP/A	127	13	69 GRAWE+ GAMMA YIELD	
016 S 032	(A-G)	3.2+ 6	4.3+	6 USA EXPT	NP/A	171	298	71 CLARKE+ RESONANCE	
016 S 032	(A-G)	4.1+ 6	5.0+	6 TRM EXPT	PR/C	28	1012	83 CHAKRABARTY+ RES. PARAM. TBL	+
016 S 033	(N-G)	1.0+	4	5 LAS EXPT	PR/C	12	1126	75 AUCHAMPAUGH+ AVERAG. SIGMA CURVE	+
016 S 033	(N-G)	2.5-	2	ORL EXPT	PR/C	32	18	85 RAMAN+ CAPT. GAMMA	
016 S 033	(P-G)	3. + 5	1.3+	6 NED EXPT	NP/A	55	559	64 GLAUDEMANS+ GAMMA BRANCHING	
016 S 033	(P-G)	8.2+ 5	1.4+	6 HLS EXPT	NP/A	412	101	84 KEINONEN+ E2 STRENGTH	
016 S 033	(P-G)	1.0+ 6	1.3+	6 USA EXPT	PR	188	1685	69 GRABER+ CL-34 LEVEL	
016 S 033	(P-G)	1.1+ 6	2.0+	6 SF EXPT	NP/A	441	1	85 LAPPALAINEN+ CL-34 LEVEL	
016 S 034	(G-NP)	1.3+	7	2.5+ 7 AUL EXPT	NP/A	460	455	86 ASSAFIRI+ SIGMA CURVE	+
016 S 034	(G-P)	1.3+ 7	2.5+	7 AUL EXPT	NP/A	460	455	86 ASSAFIRI+ SIGMA CURVE	+
016 S 034	(E-ELASTIC)	1.2+ 8	3.2+	8 MNZ EXPT	PL/B	130	5	83 GYUFKO+ 3ENERG. CHARGE DIST.	
016 S 034	(E-INELASTIC)	1.2+ 8	3.2+	8 GER EXPT	NP/A	438	711	85 WOERSDOERFER+ S-34 STATE PARAM.	
016 S 034	(N-G)	2.5-	2	ORL EXPT	NIM	109	493	73 ISHIKAWA SIGMA VALUE	+
016 S 034	(N-G)	2.5-	2	ORL EXPT	PR/C	32	18	85 RAMAN+ CAPT. GAMMA	
016 S 034	(P-G)	5. + 5	2.0+	7 CCP EXPT	SNP	15	605	72 DZHAFAR+ N-CAPT GAMMA	
016 S 034	(P-G)	2.1+ 6	2.4+	6 CCP EVAL	NP/A	331	389	79 PAINEN+ ABS. RES. STRENGTH TBL	
016 S 034	(P-G)	7. + 5	2.4+	6 CCP EVAL	SNP	19	603	74 KOPANETS+ GAMMA SPECTRA	
016 S 034	(P-G)	3. + 5	2.1+	6 NED EXPT	NP/A	88	12	66 ENGELBERTINK+ RESONANCE STRENGTH	
016 S 034	(P-G)	1.9+ 6	2.5+	6 EGY EXPT	NP/A	205	8	67 DARWISH+ GAMMA INTENSITY	
016 S 034	(P-G)	1.2+ 6	1.5+	6 CAN EXPT	NP/A	109	577	68 AZUMA+ LIFETIME OF LEVEL	
016 S 034	(P-G)	7.0+ 5	2.1+	6 FR EXPT	NP/A	195	485	72 HUBERT+ PROTON RESONANCE	
016 S 034	(P-G)	1. + 6	2. + 6	6 FIN EXPT	NP/A	359	149	81 FANT+ GAMMA TRANSITION	
016 S 034	(P-G)	1.4+ 6	2.8+	6 NED EXPT	NP/A	191	201	72 BIESIOT+ CL-35 LEVEL	
016 S 034	(A-G)	3.6+ 6	4.8+	6 FR EXPT	NP/A	191	201	72 CHEVALLIER+ AR-38 LEVEL	
016 S 034	(A-G)	2.0+ 6	3.5+	6 EXPT	CJP	57	781	79 SINHA+ 18 RES. LEVELS	
016 S 034	(A-G)	2.2+ 6	3.2+	6 NED EXPT	NP/A	52	515	64 ERNE+ RESONANCE	
016 S 034	(A-G)	3. + 6	3.6+	6 USA EXPT	NP/A	60	544	64 PHILLIPS ALPH RESONANCE	
016 S 034	(A-G)	3.2+ 6	4.3+	6 USA EXPT	NP/A	171	298	71 CLARKE+ RESONANCE	
016 S 036	(E-ELASTIC)	1.2+ 8	3.2+	8 MNZ EXPT	PL/B	130	5	83 GYUFKO+ 3ENERG. CHARGE DIST.	
016 S 036	(N-G)	2.5-	2	ORL EXPT	PR/C	30	26	84 RAMAN+ S-37 LEVEL SCHEME	
016 S 036	(N-G)	8.0+ 8	1.9+	9 USA EXPT	PR	169	899	68 HYDER+ CL-37 STATES	
016 S 036	(P-G)	5. + 5	2. + 6	6 UTR EXPT	NP/A	423	197	84 NOOREN+ RES. PARAM. TBL, CL37 LVL	
016 S 036	(A-G)	2.3+ 6	3.6+	6 HUN EXPT	NP/A	456	365	86 JOZSA+ GAMMA YIELD	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS
		MIN	MAX		REF	VOL	PAGE YEAR	
016 S 036	(A/G)	2.4+	6 3.5+	6 DEB EXPT	NP/A	489	225 88	CSEH+ AR-40 LEVEL
	) YD							
017 CL 000	(G,N EMISSION)	3.0+	7 9.0+	7 EXPT	NP/A	390	240 82	LEPRETRE+
017 CL 000	(G,N EMISSION)	2.5+	7 1.4+	8 EXPT	NP/A	390	221 82	LEPRETRE+
017 CL 000	(N/G)		1.0+	4 USA EXPT	NP/A	78	576 66	WASSON+ RESONANT N-CAPTURE
017 CL 000	(N/G)	2.5-	2	YAL EXPT	NP	47	108 63	DRAPER+ TRANSIT-INTENSITY
017 CL 000	(N/G)	2.5-	2	YAL EXPT	PR	136	B1640 64	WASSON+ NEUT-CAPT GAMMA
017 CL 000	(N/G)	2.5-	2	DOR EXPT	NP/A	71	221 65	RUDOLPH+ GAMMA INTENSITY
017 CL 035	(G,G)	1.0+	6 1.3+	6 SAF EXPT	NP/A	76	248 66	HOUGH+ RESONANT-SCATT-LEVEL WIDTH
017 CL 035	(G,N INELASTIC)	1.4+	7	JAE EXPT	NP/A	188	461 72	SHIKAZONO+ LEVEL SCHEME
017 CL 035	(G,N INELASTIC)	1.6+	7 3.9+	7 BZL EXPT	PR/C	11	1083 75	WOLYNEC+ SIGMA RATIO
017 CL 035	(G,N INELASTIC)	1.2+	8 1.9+	8 EXPT	NP/A	344	475 80	BRISCOE+ SCAT-ANG=45 & 140 DEG
017 CL 035	(E,N)	1.6+	7 3.9+	7 BZL EXPT	PR/C	11	1083 75	WOLYNEC+ SIGMA RATIO
017 CL 035	(N/G)	4.+	3 2.3+	5 ORL EXPT	PR/C	29	1996 84	MACKLIN 54RES. RES.PARAM. TBL
017 CL 035	(N/G)	PILE		MCM EXPT	CJP	59	93 81	KENNETT+ GAMMA YIELD
017 CL 035	(N/G)	2.5-	2	KFK EXPT	2P	233	154 70	EICKLER+ CIRCULAR POLARIZATION
017 CL 035	(N/G)	2.5-	2	USA EXPT	PR	113	844 59	SEGEL NEUT-CAPT.GAMMA
017 CL 035	(N/G)	PILE		HUN EXPT	NP	39	605 62	LOVAS+ G-G ANGL-CORRELAT.
017 CL 035	(N/G)	2.5-	2	DDR EXPT	NP/A	52	213 64	MEYER ANGL-DIST. OF ELECTRON-POSI
017 CL 035	(N/G)	2.5-	2	CAN EXPT	NP/A	80	131 66	HUGHES+ GAMMA INTENSITY
017 CL 035	(N/G)	2.5-	2	NED EXPT	NP/A	77	267 66	MIDDELKOOP+ G-G ANGL-CORRELATION
017 CL 035	(N/G)	NDG		DDR THEO	NP/A	85	431 66	GERSCH+ M1 TRANSITION PROBABILITY
017 CL 035	(N/G)	2.5+	4 5.0+	4 ORL EXPT	PR	158	1049 67	BERGQVIST+ RES-CAPT.GAMMA YIELD
017 CL 035	(N/G)	2.5-	2	KFK EXPT	NP/A	120	535 68	EICKLER+ ANGL-ASYMMETRY OF GAMMA
017 CL 035	(N/G)	2.5-	2	DEN EXPT	NP/A	127	385 69	KOPECKY+ LEVEL SPIN
017 CL 035	(N/G)	PILE		SAC EXPT	NP/A	135	241 69	ALVES+ GAMMA INTENSITY
017 CL 035	(N/G)	2.5-	2	CAN EXPT	CJP	48	1130 70	HUGHES+ GAMMA INTENSITY
017 CL 035	(N/G)	PILE		CAN EXPT	CJP	50	3090 72	ISHAQ+ GAMMA INTENSITY
017 CL 035	(N/G)	2.0+	1 4.0+	5 COL EXPT	NIM	105	453 72	LOPER+ GAMMA INTENSITY
017 CL 035	(N/G)	2.4+	6 2.4+	6 STR EXPT	PR/C	32	374 85	KESSLER+ TRANSIT.GAMMA ENERGY
017 CL 035	(P,G)	4.+	5 3.1+	6 NED EXPT	PR/C	13	1786 76	HUCK+ AR-36 LEVELS
017 CL 035	(P,G)	7.3+	5 2.6+	6 NED EXPT	NP/A	71	593 65	ERNE+ GAMMA TRANSITION
017 CL 035	(P,G)	1.1+	6 1.1+	6 NED EXPT	NP/A	84	241 66	ERNE+ GAMMA ANGL-CORRELATION
017 CL 035	(P,G)	3.+	5 2.1+	6 NED EXPT	NP/A	88	1 66	ERNE+ spin parity of level
017 CL 035	(P,G)	8.+	5 2.6+	6 NED EXPT	NP/A	211	405 73	ENGELBERTINK+ RESONANCE STRENGTH
017 CL 035	(P,G)	4.+	5 3.0+	6 SAF EXPT	NP/A	218	333 74	HOKKEN+ AR-36 LEVEL
017 CL 035	(P,G)	2.4+	6	KQU EXPT	PR/C	14	1320 76	JOHNSON+ AR-36 LEVELS
017 CL 035	(P,G)	5.3+	5	GER EXPT	2P/A	277	375 76	MARTIN+ AR-36 LEVELS
017 CL 035	(P,G)	5.+	5 9.+	5	PR/C	17	1550 78	GROSSWENDT+ GAMMA YIELD
017 CL 035	(P,G)							PAINET+ RESONANCE STRENGTH

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
017 CL 035	(A,G)	4. + 5	1.0+ 6	NED EXPT	NP/A	52	515	64	ERNE+ RESONANCE	
017 CL 035	(A,G)	2.5- 2		CSR EXPT	NP/A	174	668	71	HONZATKO+ CL-36 LEVEL	
017 CL 037	(G,X)	7.0+ 7		USA EXPT	PR	113	1095	59	SCHUPP+ INTEGRATED SIGMA	+
017 CL 037	(E-INELASTIC)	1.2+ 8	1.9+ 8	EXPT	NP/A	344	475	80	BRISCOE+ SCAT.ANG=45 & 140 DEG	
017 CL 037	(N,G)	8. + 3	1.5+ 5	ORL EXPT	PR/C	29	1996	84	MACKLIN 12RES. RES.PARAM. TBL	
017 CL 037	(N,G)	2.0+ 1	4.0+ 5	COL EXPT	PR/C	10	2138	74	SINGH+ RESONANCE PARAM. TBL	
017 CL 037	(P,G)	5. + 5	2.0+ 7	EXPT	NP/A	331	389	79	PAINE+ ABS.RES.STRENGTH TBL	
017 CL 037	(P,G)	6.5+ 5	2.2+ 6	AUL EXPT	NP/A	439	176	85	WEBER+ SIGMA CURVE	+
017 CL 037	(P,G)	3. + 5	2.1+ 6	NED EXPT	NP/A	88	12	66	ENGELBERTINK+ RESONANCE STRENGTH	
017 CL 037	(P,G)	4.3+ 5	1.8+ 6	NED EXPT	NP/A	107	305	68	ENGELBERTINK+ GAMMA TRANSITION	
017 CL 037	(P,G)	6. + 5	2.9+ 6	NED EXPT	NP/A	220	284	74	ALDERLIESTEN+ GAMMA TRANSITION	
017 CL 037	(P,G)	9. + 5	1.7+ 6	NED EXPT	NP/A	220	317	74	ALDERLIESTEN+ AR-38 LEVELS	
017 CL 037	(A,G)	2.9+ 6	5.2+ 6	EXPT	NP/A	331	180	79	ZYSKIND+ ABSOL.-SIGMA	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
018 AR 000	(G,A)	3.3+ 7	GER EXPT	ZP	192	502	66	WENDLING+ DOUBL.DIFF.-SIGMA CURVE	+	
018 AR 000	(G,P)	3.6+ 7	STF EXPT	PR	127	1746	62	DODGE+ PHOTOPROTON SPECTRA	+	
018 AR 000	(E-ELASTIC)	0. + 0	1.2+ 0	USA EVAL	PR	116	926	59	KIVEL TOT.SCATT.-SIGMA CURVE	
018 AR 000	(E-ELASTIC)	NDG		GER THEO	ZP	229	299	69	WEISS SPIN POLARIZATION	
018 AR 000	(E-SCATTERING)	3.7+ 4	1.0+ 5	GER EXPT	ZP	196	1	66	FINK+ DIFF.-SIGMA	
018 AR 000	(E,X)	2.5+ 1	2.6+ 2	GER EXPT	ZP	244	254	71	EHRHARDT+ IONIZATION DIFF.-SIGMA	
018 AR 000	(E,X)	4.3+ 1	6.0+ 1	CAN EXPT	CJP	53	2438	75	MARMET+ ATOMIC SIGMA	
018 AR 000	(P,G)	7.0+ 5	1.4+ 6	SWD EXPT	NP	24	500	61	ARNELL RESONANCE	
018 AR 036	(G,P)	2.4+ 7	3.3+ 7	GER EXPT	ZP	225	303	69	HOFMANN+ SIGMA CURVE & TABLE	+
018 AR 036	(E-SCATTERING)	3.9+ 7	5.6+ 7	USA EXPT	PR/C	5	120	72	FAGG+ DIFF.-SIGMA TBL & CURVE	+
018 AR 036	(P,G)	1.5+ 6	3.5+ 6	USA EXPT	PR	161	1156	67	GOOSMAN+ K-37 LEVEL	
018 AR 036	(P,G)	3.2+ 5	9.3+ 5	USA EXPT	PR/C	45	29897	92	ILIADIS+ STELLAR REACTION RATE	
018 AR 036	(A,G)	3. + 6	5.7+ 6	USA EXPT	NP/A	103	503	67	NAHM+ RESONANCE PARAMETER	
018 AR 038	(G,N)	1.8+ 7	3.1+ 7	GER EXPT	ZP	187	210	65	EHHALT+ SIGMA VALUE/CURVE	+
018 AR 038	(P,G)	1.3+ 6	2.4+ 6	NED EXPT	NP/A	151	465	70	MARIUU+ GAMMA TRANSITION	
018 AR 038	(A,G)	3. + 6	6. + 6	USA EXPT	NP/A	103	503	67	NAHM+ RESONANCE PARAMETER	
018 AR 040	(G,A)	9.2+ 6	1.8+ 7	CAN EXPT	NP/A	66	465	65	REIMANN+ SIGMA VALUE	+
018 AR 040	(G,D)	1.0+ 7	2.8+ 7	AML EXPT	NP/A	398	415	83	SUTTON+ SIGMA CURV.INTEG.SIGM TBL+	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
018 AR 040	(G,G)	1.7+	7	JLU EXPT	PR/C	34	835	WICKERT+ RES. FLUORESC.	
018 AR 040	(G,N)	1.3+	7	CAN EXPT	CJP	51	1176	JURY+ INTEGL.SIGMA VALUE	+
018 AR 040	(G,N)	1.0+	7	AML EXPT	NP/A	398	415	SUTTON+ SIGMA CURV,INTEG.SIGM TBL+	
018 AR 040	(G,NP)	3.3+	7	GER EXPT	NP	18	615	DOSCH+ INTEGRAT.SIGMA	+
018 AR 040	(G,NP)	1.8+	7	3.1+ 7	GER EXPT	2P	210	EHALT+ SIGMA VALUE/CURVE	+
018 AR 040	(G,NP)	1.0+	7	2.8+ 7	AML EXPT	NP/A	415	SUTTON+ SIGMA CURV,INTEG.SIGM TBL+	
018 AR 040	(G,P)	2.3+	7	UI EXPT	PR	100	791	SPIER DIFF.SIGMA CURVE	+
018 AR 040	(G,P)	3.3+	7	GER EXPT	NP	18	615	DOSCH+ INTEGRAT.SIGMA	+
018 AR 040	(G,P)	1.8+	7	CAN EXPT	NP/A	66	465	REIMANN+ SIGMA VALUE	+
018 AR 040	(G,P)	2.4+	7	3.3+ 7	GER EXPT	2P	303	HOFMANN+ SIGMA CURVE & TABLE	+
018 AR 040	(G,P)	1.5+	7	GER EXPT	2P	150	436	GUDDEN+ PROTON SPECT.PLOT	
018 AR 040	(G,P)	1.0+	7	2.8+ 7	AML EXPT	NP/A	398	SUTTON+ SIGMA CURV,INTEG.SIGM TBL+	
018 AR 040	(G,2N)	1.0+	7	2.8+ 7	AML EXPT	NP/A	415	SUTTON+ SIGMA CURV,INTEG.SIGM TBL+	
018 AR 040	(G,2P)	1.0+	7	2.8+ 7	AML EXPT	NP/A	398	SUTTON+ SIGMA CURV,INTEG.SIGM TBL+	
018 AR 040	(E,ELASTIC)	2.5+	8	GER EXPT	NP/A	219	450	WENDLING+ DIFF.SIGMA TBL	+
018 AR 040	(E,ELASTIC)	4.0+	7	6.0+ 7	GER EXPT	2P	132	SCHUETZ+ MOMENTUM TRANSFER	
018 AR 040	(E,SCATTERING)	1.9+	8	STF EVAL	PR	104	1466	HELM DIFF.SIGMA TBL & CURVE	+
018 AR 040	(N,G)	PILE		UK EXPT	NP/A	65	225	FRENCH+ ACTIVATION SIGMA	+
018 AR 040	(N,G)	2.5-	2	USA EXPT	NP/A	128	333	RANAKUMAR+ ACTIVATION SIGMA VALUE	+
018 AR 040	(N,G)	2.5-	2	CAN EXPT	NP/A	100	33	LYCKLAMA+ GAMMA INTENSITY	
018 AR 040	(N,G)	2.5-	2	USA EXPT	NP/A	180	569	KAMP+ NEUT.-CAPT. GAMMA	+
018 AR 040	(P,G)	5.6+	6	JPN EXPT	NP	39	335	WAKATSUKI+ P-CAPT.GAMMA	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
019 K 000	(G,P)	2.4+	7	3.3+ 7	GER EXPT	2P	225	HOFMANN+ SIGMA CURVE & TABLE	+
019 K 000	(G,SCATTERING)	3.0+	5	1.3+ 6	IND THEO	NSE	85	UMESH+ INCOHERENT SCATT.SIGMA TBL	+
019 K 000	(E,SCATTERING)	6.	-	1 9.0+ 0	USA EXPT	PR	117	RUBIN+ TOT,DIFF,EXCHANG.SIGMA	+
019 K 000	(E,TOTAL)	1.	+ 0	1.0+ 1	USA EXPT	PR	128	PEREP+ SCATT.TOTAL SIGMA	+
019 K 000	(N,G)	2.5-	2	DDR EXPT	NP/A	71	221	RUDOLPH+ GAMMA INTENSITY	
019 K 039	(G,D)	2.0+	7	2.5+ 7	YUG EXPT	NP	16	HORVAT+ YIELD CURVE	
019 K 039	(G,G)	NDG		EXPT	PL/B	185	11	MOREH+	
019 K 039	(G,INELASTIC)	1.4+	7	JAE EXPT	NP/A	188	461	SHIKAZONO+ LEVEL SCHEME	
019 K 039	(G,N)	7.0+	7	ITY EXPT	NP/A	72	158	COSTA+ SIGMA CURVE	+
019 K 039	(G,N)	1.4+	8	GER EXPT	2P	239	447	KAYSER+ INTEGRAL-SIG,A VALUE	+
019 K 039	(G,N)	1.3+	7	2.9+ 7	AUL EXPT	NP/A	171	WEBB+ ISOMERIC SIGMA CURVE	+
019 K 039	(G,NP)	2.0+	7	2.5+ 7	YUG EXPT	NP	16	HORVAT+ YIELD CURVE	+
019 K 039	(G,P)	1.8+	7	HUN EXPT	NP	8	650	KESZTHELYI+ SIGMA TBL	+
019 K 039	(G,PN)	3.2+	7	CCP EXPT	BAS	51	124	ARZIBEKOV+	
019 K 039	(E,INELASTIC)	4.0+	7	6.6+ 7	GER EXPT	NP/A	357	GRUNDEY+ DIFF. SIGMA	+
019 K 039	(E,INELASTIC)	5.1+	7	6.1+ 7	UMA EXPT	PR/C	12	WEBB+ SIMA TABLE	+
019 K 039	(E,P)	NDG		ITY THEO	NP/A	476	617	BOFFI+	
019 K 039	(N,G)	1.1+	1	2.0+ 6	ORL EXPT	NSE	88	MACKLIN SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
019 K 039	(N/G)	2.5-	2	CAN EXPT	NP/A	89	254 66	KENNETT+ GAMMA INTENSITY	
019 K 039	(N/G)	2.5-	2	RCN EXPT	NP/A	124	34 69	ABRAHAM+ GAMMA TRANSITION	
019 K 039	(N/G)	2.5-	2	CAN EXPT	CJP	48	1109 70	JOHNSON+ GAMMA INTENSITY	
019 K 039	(N/G)	2.5-	2	NED EXPT	NP/A	180	569 72	KAMP+ NEUT.-CAPT. GAMMA	
019 K 039	(N/G)	2.5-	2	NED EXPT	NP/A	222	388 74	KAMP CIRCUL.POLARIZATION	
019 K 039	(P/G)	NDG		UK EVAL	NP/A	52	29 64	TANNER+ SIGMA TABLE	
019 K 039	(P/G)	5. + 5	2.0+ 7	EXPT	NP/A	331	389 79	PAIN+ ABS.STRENGTH TBL	
019 K 039	(P/G)	1.5+ 6	1.7+ 6	USA EXPT	PR	175	1446 68	DOLAN+ LIFETIME OF EXCIT.STATE	
019 K 039	(P/G)	5. + 5	1.2+ 6	CAV EXPT	PR	106	98 57	SIMAO+ P-CAPT.SIGMA	
019 K 039	(P/G)	6. + 6	1.5+ 7	UI EVAL	PR	135	B365 64	HAFFLE+ GAMMA YIELD	
019 K 039	(P/G)	3. + 5	2.1+ 6	NED EXPT	NP/A	88	12 66	ENGELBERTINK+ RESONANCE STRENGTH	
019 K 039	(P/G)	1.1+ 6	2.5+ 6	NED EXPT	NP/A	122	373 68	LINDEMAN+ CA-40 LEVEL	
019 K 039	(P/G)	2.5+ 6	6.0+ 6	GER EXPT	ZP	231	397 70	HEIMLICH+ CA-40 LEVEL	
019 K 039	(P/G)	6.5+ 6	1.7+ 7	USA EXPT	PR/C	7	695 73	DIENER+ YIELD CURVE	
019 K 039	(P/G)	3. + 5	2.9+ 6	NED EXPT	NP/A	512	425 90	KIKSTRA+ CA-40 LEVEL SCHEME	
019 K 040	(N/G)	2.5-	2	LAS EXPT	PR/C	3	208 71	BECKSTRAND+ PARTIAL SIGMA	
019 K 040	(N/G)	2.5-	2	KFK EXPT	ZP	233	154 70	EICHLER+ CIRCULAR POLARIZATION	
019 K 040	(N/G)	PILE		GOE EXPT	NP/A	417	231 84	KRUSCHE+ K41 LVL TBL	
019 K 040	(P/G)	8.5+ 6	1.7+ 7	EXTH	PR/C	21	902 80	NILSSON+	
019 K 041	(G,PION +	1.2+ 9		SWD EXPT	NP/A	162	193 71	BLOMQUIST+ PI+ PRODUCT.SIGMA CURV	
019 K 041	(E-INELASTIC	4.0+ 7	6.6+ 7	GER EXPT	NP/A	357	278 81	GRUNDEY+ DIFF. SIGMA	
019 K 041	(N/G)	1.1+ 1	2.0+ 6	ORL EXPT	NSE	88	129 84	MACKLIN SIGMA CURVE	
019 K 041	(N/G)	2.5-	2	NED EXPT	NP/A	180	569 72	KAMP+ NEUT.-CAPT. GAMMA	
019 K 041	(P/G)	3. + 5	2.1+ 6	NED EXPT	NP/A	88	12 66	ENGELBERTINK+ RESONANCE STRENGTH	
019 K 041	(N/G)	3. + 6	3.3+ 7	USA EXPT	NP/A	102	161 67	CARLSON+ SIGMA VALUE	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
020 CA 000	(G, ABSORPTION) CS	1.2+ 7	3.0+ 7	YUG EXPT	NP	14	131	DULAR+ ABSORPT.-SIGMA CURVE	+
020 CA 000	(G, ABSORPTION) CS	1.0+ 7	3.0+ 7	YUG EXPT	NIM	75	190	BEZIC+ TOT.ABSORPT.SIGMA CURVE	+
020 CA 000	(G, DISINTEGR.) CS	NDG		USA THEO	PR	143	797	SRIVASTAVA+ INTEG.DISINT.SIGMA	+
020 CA 000	(G, ELASTIC) AD	2.0+ 7	5.0+ 7	UI EXPT	PRL	52	244	WRIGHT+ ANG.DIST.-SIGMA CURV	+
020 CA 000	(G, ELASTIC) AD	1.9+ 7	5.2+ 7	AUI EXPT	PR/C	32	1174	WRIGHT+ DIFF.-SIGMA	+
020 CA 000	(G, ELASTIC) CS	1.5+ 7	3.0+ 7	VIR EXPT	PR	132	749	MIN+ SIGMA CURVE	+
020 CA 000	(G, P) AD		4.0+ 8	SWD EXPT	ZP	265	1	DOUGAN+ DIFF.-SIGMA TABLE	+
020 CA 000	(G, P) CS	2.0+ 7	2.1+ 7	SWD EXPT	PR	97	1186	JOHANSSON+ INTEGRAT.-SIGMA VALUE	+
020 CA 000	(G, P) ED	1.7+ 8		USA EXPT	NP	36	141	JOHANSSON+ PHOTOPROTON SPECTRA	+
020 CA 000	(G, PION) YD	1.0+ 7	1.6+ 8	GER EXPT	PR	127	1772	SCHRECK+ MESON PRODUCTION	+
020 CA 000	(G, X) CS	1.0+ 7	2.5+ 9	STF EXPT	NP/A	251	479	AHRENS+ SIGMA CURVE	+
020 CA 000	(E, ELASTIC) CS	8. + 9	2.5+ 9	STF EXPT	PRL	52	727	RAWITSCHER MONOPOLE EXCIT.CORRECT	+
020 CA 000	(E, INELASTIC) CS	1.8+ 8		USA THEO	PR	136	8589	RAVENHALL+ DIFF.-SIGMA CURVE	+
020 CA 000	(E, SCATTERING) AD	2.5+ 8		STF EXPT	PR	137	8865	CROISSIAUX+ DIFF.-SIGMA CURVE/TBL	+
020 CA 000	(E, SCATTERING) AD	1.4+ 7		YUG EXPT	NP/A	138	412	CVELBAR+ SIGMA PLOT	+
020 CA 000	(N, G) CS	2.5- 2		LRL EXPT	NP/A	169	95	CRANSTON+ SIGMA VALUE	+
020 CA 000	(N, G) CS	5. + 5	1.1+ 7	CCP EXPT	NP/A	339	205	LINDHOLM+ TOF,LARGE NAI,CAPT CS	+
020 CA 000	(N, G) ED								
020 CA 040	(G, ABSORPTION) CS	1.0+ 7	3.0+ 7	YUG EXPT	NP/A	117	124	BEZIC+ SIGMA CURVE	+
020 CA 040	(G, ABSORPTION) XX	1.0+ 7		USA EXPT	PR	124	1541	ECKERT+ RESONANT ABSORPT.	+
020 CA 040	(G, D) CS		3.1+ 7	ITY EXPT	NP	15	436	FERRERO+ SIGMA CURVE	+
020 CA 040	(G, D) CS	1.9+ 7	3.0+ 7	AUL EXPT	NP/A	175	17	BRAMANIS SIGMA CURVE	+
020 CA 040	(G, G) CS	9.6+ 6	9.9+ 6	FUD EXPT	NP/A	462	482	GU+ SIGMA CURVE	+
020 CA 040	(G, INELASTIC) ED		1.2+ 7	EXPT	PR/C	25	1824	MOREH+ SIGMA CURVE	+
020 CA 040	(G, N) CS	2.0+ 7	4.0+ 7	EXPT	JP	65	677	STORM+ SIGMA CURVE	+
020 CA 040	(G, N) AD	1.8+ 7	3.0+ 7	UK EXPT	NP/A	515	125	KELLIE+ ANGULAR COEFF.	+
020 CA 040	(G, N) CS		3.1+ 7	ITY EXPT	NP	15	436	FERRERO+ SIGMA CURVE	+
020 CA 040	(G, N) CS	2.9+ 7	3.4+ 7	GER EXPT	ZP	158	111	LINDENBERGER+ SIGMA VALUE	+
020 CA 040	(G, N) CS	1.5+ 7	3.0+ 7	AUL EXPT	NP/A	54	549	BAGLIN+ SIGMA CURVE	+
020 CA 040	(G, N) CS	1.6+ 7	3.0+ 7	CCP EXPT	SNP	5	811	GORYACHEV+ SIGMA CURVE	+
020 CA 040	(G, N) CS		3.0+ 7	CCP EXPT	SNP	7	698	GORYACHEV+ SIGMA CURVE & TBL	+
020 CA 040	(G, N) CS	1.6+ 7	3.0+ 7	ITY THEO	NP/A	132	649	MARANGONI+ COUPL.-CHANNEL CAL.	+
020 CA 040	(G, N) CS	1.6+ 7	2.5+ 7	SAC THEO	NP/A	138	481	MAHAUX+ DIPOLE SIGMA	+
020 CA 040	(G, N) CS	1.6+ 7	2.4+ 7	YAL EXPT	NP/A	147	19	WU+ 90DEG.-SIGMA CURVE	+
020 CA 040	(G, N) CS	1.6+ 7	2.6+ 7	CCP EXPT	SNP	13	655	ISHKHANOV+ SIGMA TBL & CURVE	+
020 CA 040	(G, N) CS	NDG		AUL THEO	NP/A	193	323	BRAMANIS CAL.-SIGMA CURVE	+
020 CA 040	(G, N) DD	3.1+ 7	1.0+ 8	TOH EXPT	PR/C	44	753	EDEN+ DIFF.-SIGMA CURVE	+
020 CA 040	(G, N) XX	1.4+ 7	2.3+ 7	UI EVAL	PR	135	8365	HAFELE+ DIFF.-SIGMA RATIO	+
020 CA 040	(G, N) YD	1.5+ 7	3.3+ 7	USA EVAL	PR	97	1185	MORINAGA YIELD RATIO	+
020 CA 040	(G, N) YD	3.2+ 7		HAR EXPT	NP/A	52	437	FIRK ENERGY LEVEL	+
020 CA 040	(G, N) YD			KFK EXPT	NP/A	123	641	ULLRICH+ REACTION YIELD	+
020 CA 040	(G, NP) CS		3.1+ 7	ITY EXPT	NP	15	436	FERRERO+ SIGMA CURVE	+
020 CA 040	(G, NP) CS	2.9+ 7	3.4+ 7	GER EXPT	ZP	158	111	LINDENBERGER+ SIGMA VALUE	+
020 CA 040	(G, NP) CS	5.0+ 7	3.0+ 8	UI EXPT	PR	139	8554	VAN HISE+ INTEGRAT.SIGMA VALUE	+
020 CA 040	(G, NP) CS	1.4+ 8		GER EXPT	ZP	239	447	KAYSER+ INTEGRAL.SIG,A VALUE	+
020 CA 040	(G, NP) CS	1.9+ 7	3.0+ 7	AUL EXPT	NP/A	175	17	BRAMANIS SIGMA CURVE	+
020 CA 040	(G, NP) CS	1.0+ 8	1.5+ 8	FR EXPT	NP/A	98	409	FERRONI+ SIGMA CURVE	+
020 CA 040	(G, NP) AD	3.4+ 7		CCP EXPT	SNP	19	368	GRISHAEV+ PROTON SPECTRA	+

ELEMENT Z S A	QUANTITY	ENERGY (eV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
020 CA 040	(G,P)	5.0+	7 2.0+	THEO	NP/A	359	91	BOFFI+ DIFF. SIGMA CURVE	+
020 CA 040	(G,P)	1.0+	8 3.0+	MIT EXPT	PR/C	33	1511	LEITCH+ DIFF. SIGMA	+
020 CA 040	(G,P)	7.0+	6 3.0+	CCP EXPT	SNP	7	567	GORVACHEV+ SIGMA CURVE & TBL	+
020 CA 040	(G,P)	1.0+	7 3.0+	ITY THEO	NP/A	132	649	MARANGONI+ COUPL.-CHANNEL CAL.	+
020 CA 040	(G,P)	1.0+	7 2.5+	SAC THEO	NP/A	138	481	MAHAUX+ DIPOLE SIGMA	+
020 CA 040	(G,P)	NDG		AUL THEO	NP/A	193	323	BRAMANIS CAL. SIGMA CURVE	+
020 CA 040	(G,P)	1.1+	7 3.0+	YUG EXPT	PR/C	9	1901	BRAJNIK+ SIGMA CURVE	+
020 CA 040	(G,P)	3.1+	7 1.0+	TOH EXPT	PR/C	44	753	EDEN+ DIFF. SIGMA CURVE	+
020 CA 040	(G,P)	6.1+	7 7.7+	SWD EXPT	PR/C	42	R1179	HOOREBECK+ RELATIV. EXCITATION	+
020 CA 040	(G,P)	1.4+	7 2.3+	UI EVAL	PR	135	B365	HAFFEL+ DIFF. SIGMA RATIO	+
020 CA 040	(G,P)	NDG		USA EVAL	PR	97	1185	MORINAGA YIELD RATIO	+
020 CA 040	(G,P)	1.6+	7 1.9+	CCP EXPT	SNP	5	836	DRAGNEV+ PHOTOPROTON	+
020 CA 040	(G,P)	3.2+	7	KFK EXPT	NP/A	123	641	ULLRICH+ REACTION YIELD	+
020 CA 040	(G,P)	6.1+	7 7.7+	LND EXPT	PR/C	42	1179	VAN HOOREBEKE+ 90DEG. YIELD	+
020 CA 040	(G,P)	3.0+	8 4.0+	CCP EXPT	SNP	22	1058	TONAPETIAN+ 90DEG. SIGMA CURVE	+
020 CA 040	(G,X)	7.0+	7	USA EXPT	PR	113	1095	SCHUPP+ INTEGRATED SIGMA	+
020 CA 040	(G,X)	NDG		CCP THEO	NP	27	323	FERRERO+ SIGMA CURVE, X=TN	+
020 CA 040	(G,X)	1.1+	7 3.0+	YUG EXPT	PR/C	9	1901	BALASHOV+ CAL. ABSORPT. SIGMA	+
020 CA 040	(G,X)	4.5+	8	GER EXPT	NP/A	221	145	DAVID+ SIGMA CURVE & TBL	+
020 CA 040	(G,X)	8.0+	7 8.0+	SWD EXPT	NP/A	276	359	LINDGREN SIGMA CURVE	+
020 CA 040	(G,X)	2.0+	9 4.5+	CCP EXPT	SNP	25	601	GONCHAROV+ YIELD CURVE	+
020 CA 040	(G,XN)	1.6+	7 6.2+	USA EXPT	NP/A	83	584	ASATURYAN+ YIELD CURVES	+
020 CA 040	(G,XP)	6.0+	7 1.0+	GLS EXPT	PL/B	79	356	ANDERSON+ SIGMA VALUE	+
020 CA 040	(G,2N)	2.9+	7 3.4+	GER EXPT	NP	158	111	FINDLAY+	+
020 CA 040	(E,A)	1.1+	7 3.3+	CCP EXPT	I2V	47	182	LINDENBERGER+ SIGMA VALUE	+
020 CA 040	(E,ELASTIC)	2.5+	8	CCP THEO	SNP	4	41	PETKOV+ DIFF. SIGMA CURVE	+
020 CA 040	(E,ELASTIC)	NDG		CCP THEO	SNP	9	204	LUK'YANOV+ DIFF. SIGMA CURVE	+
020 CA 040	(E,ELASTIC)	7.5+	8	CCP THEO	SNP	10	445	POL' DIFF. SIGMA CURVE	+
020 CA 040	(E,ELASTIC)	5.0+	8	GER THEO	NP/A	274	267	ROSENFELDER DIFF. SIGMA CURVE	+
020 CA 040	(E,ELASTIC)	2.5+	8 5.0+	USA EXPT	NP/A	278	291	ZIMMERMAN+ DIFF. SIGMA CURVE	+
020 CA 040	(E,EP)	NDG		CCP THEO	SNP	22	514	GORCHAKOV+ PROTON SPECTRA	+
020 CA 040	(E,INELASTIC)	NDG		USA THEO	PR	133	B1190	GILLET+ DIFF. SIGMA CURVE	+
020 CA 040	(E,INELASTIC)	2.0+	8	SWT THEO	NP/A	61	417	SCHUCAN CAL. DIFF. SIGMA CURVE	+
020 CA 040	(E,INELASTIC)	NDG		CAN THEO	NP/A	150	393	DONNELLY DIFF. SIGMA CURVE	+
020 CA 040	(E,INELASTIC)	1.2+	7 2.7+	GER EXPT	NP/A	234	144	GOLDMANN DIFF. SIGMA CURVE	+
020 CA 040	(E,INELASTIC)	NDG		USA THEO	NP/A	53	508	WEIGERT+ PARTICLE-HOLE EXCITATION	+
020 CA 040	(E,INELASTIC)	5.0+	7 2.5+	USA THEO	PR/C	15	1786	MERCER COUPLED-CHANNEL CALC.	+
020 CA 040	(E,INELASTIC)	8.2+	6 1.3+	EXPT	PL/B	84	296	GROSS+ MAG. DIPOLE TRANSIT.	+
020 CA 040	(E,INELASTIC)	3.9+	7	EXPT	PL/B	95	23	STEFFEN+	+
020 CA 040	(E,INELASTIC)	3.1+	7 6.5+	EXPT	PR/C	25	2805	BURT+	+
020 CA 040	(E,INELASTIC)	1.0+	8 3.8+	MIT EXPT	PR/C	33	1897	DEADY+ SIGMA CURVE	+
020 CA 040	(E,INELASTIC)	1.0+	8 3.8+	MIT EXPT	PR/C	28	631	DEADY+ TRANS. LONGI. RES. FUNCT. TBL	+
020 CA 040	(E,INELASTIC)	7.0+	7 2.0+	TOH EXPT	PR/C	30	1159	OGURO+ AT 180DEG. FORM FACT. CURV	+
020 CA 040	(E,INELASTIC)	1.2+	8 7.0+	SAC EXPT	PRL	52	2130	MEZIANI+ 3ANG.	+
020 CA 040	(E,INELASTIC)	NDG		MIT THEO	NP/A	67	209	JOLLY FORM. FACTOR	+
020 CA 040	(E,INELASTIC)	NDG		VAL THEO	PR	171	1142	SCHUCAN MODEL ANALYSIS	+
020 CA 040	(E,INELASTIC)	1.8+	8 2.5+	TOH EXPT	PR/C	2	2181	ITO+ FORM FACTOR	+
020 CA 040	(E,INELASTIC)	2.0+	8 3.0+	STF EXPT	NP/A	164	353	HEISENBERG+ INELASTIC PARAMETER	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
020 CA 040	(E, INELASTIC) XX	NDG		USA THEO	PR/C	10	12	74	FEDERMAN+ FORM FACTOR	
020 CA 040	(E, INELASTIC) XX	6.0+ 8		SAC COMP	NP/A	358	383	81	FROIS	
020 CA 040	(E, INELASTIC) XX	NDG		USA THEO	PR/C	40	790	89	CHINN+ RESPONSE FUNCTION	
020 CA 040	(E, INELASTIC) XX	NDG		USA THEO	PR/C	40	1159	89	CHINN+ QUASIELASTIC SUM RULE	
020 CA 040	(E, INELASTIC) YD	3.1+ 7 6.7+ 7		THD EXPT	NP/A	295	319	78	GRAEF+ CA-40 LEVEL PARAM.	
020 CA 040	(E, INELASTIC) YD	NDG		FR THEO	PR/C	30	731	84	DO DANG+ RESONS FUNCT. CURV	
020 CA 040	(E, INELASTIC) YD	8.2+ 7 3.8+ 8		LTI EXPT	PRL	52	152	84	HARIHAR+ FORM FACT. CURV	
020 CA 040	(E, INELASTIC) YD	NDG		CCP THEO	SNP	44	601	86	KORCHIN+ RESPONSE FUNC.	
020 CA 040	(E, P) CS	4.1+ 8		ITY THEO	NP/A	485	461	88	GIUSTI+ REDUCED SIGMA	
020 CA 040	(E, PION) DD	NDG		STF THEO	PR	184	1154	69	MONIZ PION ELECTROPRODUCT.	+
020 CA 040	(E, SCATTERING) AD	1.8+ 8		STF EXPT	PR	121	283	61	CRANNELL+ DIFF. SIGMA CURVE	+
020 CA 040	(E, SCATTERING) AD	2.5+ 8 5.0+ 8		USA EXPT	PR	174	1380	68	FROSC+ DIFF. SIGMA CURVE	+
020 CA 040	(E, SCATTERING) AD	3.9+ 7 5.6+ 7		USA EXPT	PR/C	4	2089	71	FAGG+ DIFF. SIGMA TBL & CURVE	+
020 CA 040	(E, SCATTERING) AD	1.2+ 8		MIT EXPT	PR/C	7	1396	73	HALLOWELL+ DIFF. SIGMA CURVE	+
020 CA 040	(E, SCATTERING) AD	5.0+ 8		STF EXPT	PR/C	9	2230	74	WHITNEY+ SIGMA TABLE	+
020 CA 040	(E, SCATTERING) AD	2.5+ 8		SAC THEO	NP/A	229	333	74	KNOLL+ DIFF. SIGMA CURVE	+
020 CA 040	(E, SCATTERING) AD	NDG		GER THEO	ZP/A	276	91	76	FAESSLER+ DIFF. SIGMA CURVE	+
020 CA 040	(E, SCATTERING) AD	NDG		LSU EXPT	PL/B	80	45	78	ZIMMERMAN+	+
020 CA 040	(E, SCATTERING) DD	NDG		IND THEO	PR/C	30	789	84	NATARAJAN+ ANG. CORREL. CURV	
020 CA 040	(E, SCATTERING) XX	NDG		CRC THEO	NP/A	165	475	71	KHANNA CHARGE FORM FACTOR	
020 CA 040	(E, SCATTERING) XX	NDG		CAN THEO	NP/A	179	569	72	DONNELLY+ FORM FACTOR	
020 CA 040	(E, SCATTERING) XX	4.1+ 8 5.5+ 8		GER THEO	ZP/A	332	51	89	BROCKMANN+ QUASI-FREE SCATT.	
020 CA 040	(E, SCATTERING) XX	NDG		USA THEO	NP/A	511	461	90	HOROWITZ+ FORM FACTOR	
020 CA 040	(N, G) AD	8. + 6 1.2+ 7		EXPT	PR/C	17	1260	78	WELLER+ LEGENDRE COEFF.	
020 CA 040	(N, G) AD	6. + 6 1.3+ 7		DKE EXPT	PRL	41	1217	78	WENDER+ ANGULAR DIST.	
020 CA 040	(N, G) AD	1.0+ 7		EXPT	PRL	43	609	79	JENSEN+ POLARIZ. N. REL. AMPLITUDE	
020 CA 040	(N, G) AD	2.0+ 7 2.8+ 7		LND EXPT	NP/A	419	509	84	BERGQUIST+ 90DEG SIGMA CURV	
020 CA 040	(N, G) CS	1.4+ 7		YUG EXPT	NP/A	158	251	70	CVELBAR+ ACTIVATION SIGMA	+
020 CA 040	(N, G) CS	6.8+ 6 1.8+ 7		CLA EXPT	NP/A	231	29	74	BERGQUIST+ SIGMA CURVE	+
020 CA 040	(N, G) CS	NDG		GER THEO	ZP/A	282	117	77	MICKLINGHOFF+ SIGMA CURVE	+
020 CA 040	(N, G) CS	7.8+ 6 1.1+ 7		SMD EXPT	PR/C	41	2556	90	HAKANSSON+ SIGMA VALUE	+
020 CA 040	(N, G) YD	2.5- 2		NED EXPT	NP/A	102	226	67	GRUPPELAAR+ GAMMA INTENSITY	
020 CA 040	(N, G) YD	2.5- 2		RCN EXPT	NP/A	124	34	69	ABRAHAM+ GAMMA TRANSITION	
020 CA 040	(N, G) YD	2.5- 2		LRL EXPT	NP/A	153	413	70	CRANSTON+ GAMMA TRANSITION	
020 CA 040	(N, G) YD	5.5+ 5		COL EXPT	PR/C	10	2143	74	SINGH+ RESONANCE PARAM.	
020 CA 040	(P, G) CS	6.4+ 5 3.5+ 6		NED EXPT	NP/A	466	280	87	ZIJDERHAND+	
020 CA 040	(P, G) CS	6. + 5 5.2+ 6		USA EXPT	PR	169	859	68	YOUNGBLOOD+ PARTIAL SIGMA TBL	+
020 CA 040	(P, G) CS	5. + 5 2.0+ 7		EXPT	NP/A	331	389	79	PAIN+ ABS. RES. STRENGTH TBL	
020 CA 040	(P, G) CS	2.1+ 6 3.1+ 6		ITY EXPT	NP/A	394	405	83	TERRASI+ RES. STRENGTH TBL	
020 CA 040	(P, G) DD	1.8+ 6 4.1+ 6		KQU EXPT	PR/C	16	132	77	KOZUB+ SC-41 LEVELS	
020 CA 040	(P, G) YD	6.5+ 8 1.9+ 9		NRL EXPT	PR	123	873	61	BUTLER PROTON RESONANCE	
020 CA 040	(P, G) YD	6. + 5 5.0+ 6		USA EXPT	NP/A	65	602	65	YOUNGBLOOD+ HALF LIFE OF SC-41	
020 CA 040	(P, G) YD	3. + 5 2.1+ 6		NED EXPT	NP/A	88	12	66	ENGELBERTINK+ RESONANCE STRENGTH	
020 CA 040	(P, G) YD	1.0+ 7 1.5+ 7		COL EXPT	PR	157	921	67	FELDMAN+ PROTON-CAPT. GAMMA	
020 CA 040	(P, G) YD	1.4+ 6		ANL EXPT	NP/A	111	678	68	BEARSE+ RESONANCE WIDTH	
020 CA 040	(P, G) YD	5.0+ 6 5.0+ 6		FR EXPT	PR/C	13	1049	76	FORTIER+ SC-41 LEVELS	
020 CA 040	(H, G) AD	3. + 6 1.9+ 7		BIR EXPT	NP/A	395	119	83	WALTHAM+ SIGMA CURV/LEGEN. COEF. TBL	+
020 CA 040	(A, G) AD	4.2+ 6		CAN EXPT	NP/A	363	173	81	DIXON+	
020 CA 040	(A, G) CS	6.5+ 6 1.8+ 7		YAL EXPT	NP/A	232	269	74	PESCHEL+ 90DEG. EXCITATION CURVE	+
020 CA 040	(A, G) CS	3.4+ 6 5.6+ 6		AUL EXPT	NP/A	443	487	85	MITCHELL+ SIGMA CURVE	+
020 CA 040	(A, G) DD	4.5+ 6 4.6+ 6		CAN EXPT	NP/A	378	273	82	DIXON+ Q-VALUE	

ELEMENT Z S A	QUANTITY	ENERGY(KEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
020 CA 040	(A,G)	9.3+	6 9.4+	6 MRC EXPT	PR/C	18	2731 78	DIXON+ TI-44 LEVLES	
020 CA 040	(A,G)	1.2+	7	EXPT	PL/B	115	291 82	PRINGLE+	
020 CA 040	(A,G)	3.5+	6 4.7+	6 CAN EXPT	PR/C	4	443 71	SIMPSON+ RELATIVE YIELD	
020 CA 040	(A,G)	9.2+	6 9.2+	6 CAN EXPT	CJP	58	1360 80	DIXON+ BRANCH RATIO,TRANS.STRENGTH	
020 CA 041	(E-INELASTIC)	2.0+	8	SPN THEO	PR/C	43	1937 91	NIEVES+ PIONIC ATOM PRODUCTION	
020 CA 041	(E-SCATTERING) AD	8.5+	7 1.9+	8 UMA EXPT	PR/C	42	2358 90	BAGHAEI+ FORM FACTOR	+
020 CA 041	(E-SCATTERING) AD	8.5+	7 1.9+	8 USA EXPT	PR/C	42	2358 90	BAGHAEI+ MAGNETIC FORM FACTOR	
020 CA 041	(E-SCATTERING) XX	8.5+	7 1.9+	8 USA EXPT	PR/C	42	2358 90	BAGHAEI+ MAGNETIC FORM FACTOR	
020 CA 042	(G,N)	1.1+	7 2.8+	7 MEL EXPT	NP/A	357	429 81	ASSFIRI+ SIGMA CURVE	+
020 CA 042	(E-INELASTIC)	1.2+	8 2.5+	8 SAS EXPT	PR/C	24	1969 81	ITO+ FORM FACTOR	
020 CA 042	(E-INELASTIC)	3.9+	7 7.5+	7 SAS EXPT	PL/B	95	23 80	STEFFEN+	
020 CA 042	(E-INELASTIC)	6.3+	7 7.5+	7 SAS EXPT	PR/C	28	2505 83	ITO+ DIF.FORM FACTOR CURV	
020 CA 042	(E-INELASTIC)	3.0+	7 5.8+	7 THD EXPT	PL/B	135	29 84	RANGACHARYULU+ M2 TRANSIT-STRENGTH	
020 CA 042	(E-INELASTIC)	2.0+	8 3.0+	8 STF EXPT	NP/A	164	353 71	HEISENBERG+ INELASTIC PARAMETER	
020 CA 042	(E-INELASTIC)	3.1+	7 6.7+	7 THD EXPT	NP/A	295	319 78	GRAEF+ CA-42 LEVEL PARAM.	
020 CA 042	(E-INELASTIC)	6.3+	7 2.5+	8 SAS EXPT	NP/A	492	426 89	ITO+ FORM FACTOR	
020 CA 042	(E-SCATTERING) AD	2.5+	8	USA EXPT	PR	174	1380 68	FROSC+ DIFF.SIGMA CURVE	+
020 CA 042	(N,G)	2.5-	2	LRL EXPT	NP/A	169	95 71	CRANSTON+ SIGMA VALUE	+
020 CA 042	(N,G)	2.5-	2	NED EXPT	NP/A	131	180 69	GRUPPELAAR+ GAMMA TRANSITION	+
020 CA 042	(P,G)	7.1+	5 5.5+	6 TOR EXPT	NP/A	309	506 78	VLEIKS+ SIGMA	+
020 CA 042	(P,G)	6.6+	5 5.4+	6 EXTH	JP/G	5	1261 79	CHENG+	
020 CA 042	(P,G)	6.8+	5 2.5+	6 EXPT	NP/A	378	349 82	SEVIOR+	
020 CA 042	(P,G)	6.3+	5 3.0+	6 EXPT	NP/A	380	318 82	MITCHELL+	
020 CA 042	(P,G)	1.0+	6 1.4+	6 SWD EXPT	NP/A	72	529 65	BROWMAN+	
020 CA 042	(A,G)	6.6+	5 5.4+	6 EXTH	JP/G	5	1261 79	CHENG+	
020 CA 043	(N,G)	2.5-	2	LRL EXPT	NP/A	169	95 71	CRANSTON+ SIGMA VALUE	+
020 CA 043	(N,G)	2.5-	2	LRL EXPT	PR/C	5	513 72	WHITE+ GAMMA INTENSITY	
020 CA 044	(G,X)	4.5+	8	GER EXPT	NP/A	221	145 74	DAVID+ SIGMA CURVE & TBL	+
020 CA 044	(E-INELASTIC)	1.2+	8 2.5+	8 SAS EXPT	PR/C	24	1969 81	ITO+ FORM FACTOR	
020 CA 044	(E-INELASTIC)	5.0+	7 2.5+	8 USA THEO	PR/C	15	1786 77	MERCER COUPLED-CHANNEL CALC.	+
020 CA 044	(E-INELASTIC)	3.9+	7 7.5+	7 EXPT	PL/B	95	23 80	STEFFEN+	
020 CA 044	(E-INELASTIC)	6.3+	7 7.5+	7 SAS EXPT	PR/C	28	2505 83	ITO+ DIF.FORM FACTOR CURV	
020 CA 044	(E-INELASTIC)	3.0+	7 5.8+	7 THD EXPT	PL/B	135	29 84	RANGACHARYULU+ M2 TRANSIT-STRENGTH	
020 CA 044	(E-INELASTIC)	2.0+	8 3.0+	8 STF EXPT	NP/A	164	353 71	HEISENBERG+ INELASTIC PARAMETER	
020 CA 044	(E-INELASTIC)	3.1+	7 6.7+	7 THD EXPT	NP/A	295	319 78	GRAEF+ CA-42 LEVEL PARAM.	
020 CA 044	(E-SCATTERING) AD	2.5+	8	USA EXPT	PR	174	1380 68	FROSC+ DIFF.SIGMA CURVE	+
020 CA 044	(N,G)	2.5-	2	LRL EXPT	NP/A	169	95 71	CRANSTON+ SIGMA VALUE	+
020 CA 044	(N,G)	2.5-	2	JAE EXPT	NIM	109	493 73	ISHIKAWA SIGMA VALUE	+
020 CA 044	(N,G)	2.5-	2	NED EXPT	NP/A	102	226 67	GRUPPELAAR+ GAMMA INTENSITY	+

ELEMENT Z S A	QUANTITY	ENERGY (eV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
020 CA 044	(N,G)	2.5-	2	NED EXPT	NP/A	114	463	68 GRUPPELAAR+ TRANSITION GAMMA	
020 CA 044	(N,G)	2.5-	2	NED EXPT	NP/A	133	545	69 GRUPPELAAR CA-45 LEVEL	
020 CA 044	(P,G)	1.6+	6	EXPT	NC/A	52	175	79 AWAL+ GAM-DECAY AT 2 RES.	
020 CA 044	(P,G)	6.3+	5	3.0+ 6	NP/A	380	318	82 MITCHELL+ GAMMA INTENSITY	
020 CA 044	(P,G)	3.1+	6	EXPT	NP/A	252	189	72 EKSTROEM+ SC-45 LEVELS	
020 CA 044	(P,G)	8.6+	5	CAN EXPT	PR/C	9	1436	74 SCHULTE+ GAMMA BRANCHING	
020 CA 044	(P,G)	6.0+	5	9.3+ 5	CJP	52	131	74 SCHULTE+ GAMMA BRANCHING	
020 CA 044	(P,N)	7.8+	5	5.1+ 6	NP/A	380	318	82 MITCHELL+	
020 CA 046	(N,G)	25 -2		ORL EVAL	PR/C	44	518	91 RAMAN+ DIRECT.CAPT.SIGMA	+
020 CA 046	(N,G)	2.5-	2	LRL EXPT	NP/A	153	413	70 CRANSTON+ GAMMA TRANSITION	
020 CA 046	(P,G)	1.8+	6	1.9+ 6	NP/A	239	221	75 VINGIANI+ RES. PARAM.	
020 CA 048	(G,A)	3.9+	7	5.5+ 7	NP/A	133	237	69 LARSON+ PRODUCT YIELD	+
020 CA 048	(G,N)	1.2+	7	2.6+ 7	NP/A	469	239	87 OKEKE+ PRODUCT YIELD	+
020 CA 048	(G,N)	3.9+	7	5.5+ 7	NP/A	133	237	69 LARSON+ PRODUCT YIELD	+
020 CA 048	(G,NP)	1.2+	7	2.6+ 7	NP/A	469	239	87 OKEKE+ PRODUCT YIELD	+
020 CA 048	(G,P)	1.2+	7	2.6+ 7	NP/A	469	239	87 OKEKE+ PRODUCT YIELD	+
020 CA 048	(G,T)	3.9+	7	5.5+ 7	NP/A	133	237	69 LARSON+ PRODUCT YIELD	+
020 CA 048	(E,ELASTIC)	NDG		CCP THEO	SNP	9	204	69 LUK'YANOV+ DIFF.SIGMA CURVE	+
020 CA 048	(E,ELASTIC)	7.5+	8	CCP THEO	SNP	10	445	70 POL' DIFF.SIGMA CURVE	+
020 CA 048	(E,ELASTIC)	2.5+	8	USA EXPT	NP/A	278	291	76 ZIMMERMAN+ DIFF.SIGMA CURVE	+
020 CA 048	(E,INELASTIC)	3.0+	7	1.5+ 8	NP/A	404	413	83 STEFFEN+ SIGMA TBL	+
020 CA 048	(E,INELASTIC)	1.5+	8	2.9+ 8	PR/C	31	1699	85 WISE+ CALCULATED SIGMA	+
020 CA 048	(E,INELASTIC)	3.9+	7	EXPT	PL/B	95	23	80 STEFFEN+ SIGMA CURVE	+
020 CA 048	(E,INELASTIC)	1.0+	8	3.8+ 8	PR/C	33	1897	86 DEADY+ SIGMA CURVE	+
020 CA 048	(E,INELASTIC)	3.0+	7	5.8+ 7	PR/C	116	113	82 EULENBERG+	
020 CA 048	(E,INELASTIC)	1.2+	8	7.0+ 8	PRL	52	2130	84 MEZIANI+ 3ANG.	
020 CA 048	(E,INELASTIC)	3.1+	7	6.7+ 7	NP/A	295	319	78 GRAEF+ CA-48 LEVEL PARAM.	
020 CA 048	(E,SCATTERING)	2.5+	8	5.0+ 8	PR	174	1380	68 FROSCHE+ DIFF.SIGMA CURVE	+
020 CA 048	(E,SCATTERING)	NDG		USA EXPT	NP/A	165	475	71 KHANNA CHARGE FORM FACTOR	
020 CA 048	(E,SCATTERING)	2.0+	6	CRC THEO	NP/A	465	274	87 OCARLTON+	
020 CA 048	(N,G)	1.4+	7	HUN EXPT	NP/A	95	229	67 CSIKAI+ SIGMA TABLE	+
020 CA 048	(N,G)	6.8+	5	2.7+ 6	NP/A	315	430	79 ZYSKIND+ ABSOL.SIGMA	
020 CA 048	(P,G)	2.0+	6	USA EXPT	PR/C	7	1418	73 STRUVE+ LIFETIME OF SC-49 LEVEL	
020 CA 048	(A,G)	6.0+	6	1.4+ 7	NP/A	232	269	74 PESCHEL+ 90DEG. EXCITATION CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(KEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
021 SC 045	(G/G)	5.3+	5 2.6+	6 USA EXPT	PR/C	7	1490 73	ARNOLD+ RES.FLUORESCENCE WIDTH	
021 SC 045	(G/G)	8.+	5 2.2+	6 USA EXPT	PR/C	12	312 75	MEITZER RES. FLUORESCENCE	
021 SC 045	(G/N)	2.2+ 6		EXPT	SJA	58	56 85	DAVYDOV+	+
021 SC 045	(G/N)		5.0+ 7	GER EXPT	NP/A	182	411 72	VOELPEL ISOMERIC SIGMA VALUE	+
021 SC 045	(G/N)		4.8+ 7	RPI EXPT	PR	143	818 66	TATARCZUK+ ISOMER RATIO	
021 SC 045	(G/N)	5.0+ 7	3.0+ 8	UI EXPT	PR	150	867 66	WALTERS+ ISOMER RATIO	
021 SC 045	(G/N)	1.0+ 8	8.0+ 8	SWD EXPT	NP/A	242	507 75	ERIKSSON+ ISOMERIC YIELD CURVE	
021 SC 045	(G/N)	1.7+ 8	2.6+ 8	CCP EXPT	SNP	34	792 81	NOGA+ ISOMERIC RATIO	
021 SC 045	(G/P)	1.8+ 7		SWD EXPT	2P/A	272	77 75	WENE SIGMA PLOT	+
021 SC 045	(G/P)	1.0+ 7	2.5+ 7	EXPT	PR/C	26	448 82	RYCKBOSCH+	
021 SC 045	(G/XN)	1.0+ 7	2.5+ 7	AUL EXPT	NP/A	205	139 73	SAMBELL+ SIGMA CURVE	+
021 SC 045	(E/N)	1.7+ 8	2.6+ 8	CCP EXPT	SNP	34	792 81	NOGA+ ISOMERIC RATIO	
021 SC 045	(N/G)	1.4+ 7		HUN EXPT	NP/A	95	229 67	CSIKAI+ SIGMA TABLE	+
021 SC 045	(N/G)	PILE		GER EXPT	2P/A	272	273 75	MANNHART ACTIVATION SIGMA VALUE	+
021 SC 045	(N/G)	1.4+ 7		YUG COMP	2P/A	332	163 89	CVELBAR+ ACTIV.&INTEG. SIGMA	+
021 SC 045	(N/G)	1.4+ 7		CSR THEO	2P/A	332	163 89	CVELBAR+ INTERGAT.SIGMA	+
021 SC 045	(N/G)		1.0+ 4	USA EXPT	NP/A	78	576 66	WASSON+ RESONANT N-CAPTURE	+
021 SC 045	(N/G)	2.5- 2		YAL EXPT	NP	47	108 63	DRAPER+ TRANSIT. INTENSITY	
021 SC 045	(N/G)	2.5- 2		ANL EXPT	PR	138	8795 65	BOLOTIN SC-46 LEVEL	
021 SC 045	(N/G)	2.5- 2		GER EXPT	NP/A	84	661 66	VAN ASSCHE+ LEVEL SCHEME	
021 SC 045	(N/G)	7.+ 5	4.2+ 6	ANL EXPT	PR	168	1317 68	BLOTIN GAMMA INTENSITY	+
021 SC 045	(P/G)	1.4+ 6	1.7+ 6	SWD EXPT	NP/A	312	140 78	SOLOMON+ SIGMA	
021 SC 045	(P/G)	1.8+ 6	1.8+ 6	FRK EXPT	2P	215	39 68	ERLANDSSON+ GAMMA SPECT. AT RES.	
021 SC 045	(P/G INELASTIC)	1.8+ 6	1.8+ 6	FRK EXPT	NP/A	401	253 83	RAHMAN+ TI-45 15LVL LIFE TBL	
021 SC 045	(P/N)	7.8+ 5	5.1+ 6	FRK EXPT	NP/A	401	253 83	RAHMAN+ SC-45 12LVL LIFE TBL	
021 SC 045	(H/G)	3.+ 6	3.3+ 7	USA EXPT	NP/A	380	318 82	MITCHELL+	
021 SC 045	(H/G)			EXPT	NP/A	102	161 67	CARLSON+ SIGMA VALUE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
022 TI 000	(G,A	3.3+ 7	GER EXPT	NP/A 56	113	64	SCHEER+ ALPHA SPECTRUM		
022 TI 000	(G,ABSORPTION) CS	6.4+ 6	ISL EXPT	NP/A 252	423	75	MOREH+ ATTENUAT. COEFF.		+
022 TI 000	(G,INELASTIC) AD	1.2+ 7 3.0+ 7	GER EXPT	NP/A 147	305	70	ARENHOEVEL+ 150DEG.DIFF.SIGMA		+
022 TI 000	(G,INELASTIC) CS	1.2+ 7 3.0+ 7	GER EXPT	NP/A 147	305	70	ARENHOEVEL+ TOTAL ABSORP.SIGMA		+
022 TI 000	(G,PION +) DD	2.2+ 8 4.5+ 8	GER EXPT	NP/A 526	479	91	AREND+ DOUBL.DIFF.SIGMA CURVE		+
022 TI 000	(G,PION -) DD	2.2+ 8 4.5+ 8	GER EXPT	NP/A 526	479	91	AREND+ DOUBL.DIFF.SIGMA CURVE		+
022 TI 000	(E,ELASTIC) AD	3.3+ 7 5.8+ 7	GER EXPT	ZP 192	29	66	ENGFER+ DIFF.SIGMA TABLE		+
022 TI 000	(E,SCATTERING) AD	NDG	USA THEO	PR 137	B882	65	YENNIE+ DIFF.SIGMA CURVE		+
022 TI 000	(N,G) YD	2.5- 2	CRC EXPT	PR 114	1065	59	KNOWLES+ NEUT.CAPT.GAMMA		+
022 TI 000	(N,G) YD	2.5- 2	YAL EXPT	NP 47	108	63	DRAPER+ TRANSIT.INTENSITY		+
022 TI 000	(P,G) CS	1.5+ 6 1.1+ 7	SWD EXPT	ZP 266	245	74	AKSELSSON+ K X-RAY YIELD		+
022 TI 046	(G,ABSORPTION) CS	NDG	AML THEO	ZP/A 300	329	85	WEISE GDR ABSORPT.SIGMA CURVE		+
022 TI 046	(G,G) AD	1.3+ 6 4.7+ 6	BAR EXPT	PR/C 13	631	76	RASMUSSEN TI-46 LEVELS		
022 TI 046	(G,G) YD	5. + 5 3.0+ 6	USA EXPT	NP/A 57	403	64	BOOTH+ RESONANCE FLUORESCENCE		
022 TI 046	(G,N) AD	1.2+ 7 2.5+ 7	EXPT	NP/A 318	461	79	PYWELL+		
022 TI 046	(G,NP) CS	3.1+ 7 7 AUL EXPT	NP 29	292	62	SHERWOOD+ INTEGRAT.SIGMA VALUE		+	
022 TI 046	(G,NP) YD	3.1+ 7 7 AUL EXPT	NP 29	292	62	SHERWOOD+ INTEGRAT.SIGMA VALUE		+	
022 TI 046	(E,ELASTIC) AD	4.8+ 7 7 RPI EXPT	PR 143	818	66	TATARCZUK+ ISOMER RATIO		+	
022 TI 046	(E,ELASTIC) XX	2.9+ 7 5.8+ 7	GER EXPT	ZP 202	190	67	THEISSEN+ DIFF.SIGMA TABLE/CURVE		+
022 TI 046	(E,INELASTIC) XX	6.0+ 7 1.2+ 8	USA EXPT	NP/A 173	124	71	ROMBERG+ CHARGE DENSITY		
022 TI 046	(E,INELASTIC) XX	2.0+ 8 3.0+ 8	STF EXPT	NP/A 164	353	71	HEISENBERG+ INELASTIC PARAMETER		
022 TI 046	(E,INELASTIC) XX	NDG	GER THEO	NP/A 533	381	91	NOJAROV+ FORM FACTOR		+
022 TI 046	(P,G) AD	1.0+ 6 3.7+ 6	USA EXPT	NP/A 236	523	74	RIOST+ SIGMA CURVE		+
022 TI 046	(P,G) CS	7.2+ 5 3.0+ 6	AML EXPT	NP/A 368	337	81	KENNETT+ SIGMA CURVE		+
022 TI 046	(P,G) YD	1.1+ 6 1.3+ 6	AML EXPT	PR/C 1	1972	70	WILLMES V-47 LEVEL		
022 TI 046	(P,G) YD	1.4+ 6	NZL EXPT	NP/A 157	552	70	MCCALLUM+ RESONANT CAPT.GAMMA		
022 TI 046	(P,G) YD	4. + 5 1.8+ 6	NED EXPT	NP/A 454	1	86	ESCH+ V-47 LEVEL		
022 TI 047	(G,G) AD	1.3+ 6 4.7+ 6	BAR EXPT	PR/C 13	631	76	RASMUSSEN TI-47 LEVELS		
022 TI 047	(G,G) YD	5. + 5 3.0+ 6	USA EXPT	NP/A 57	403	64	BOOTH+ RESONANCE FLUORESCENCE		
022 TI 047	(G,G) YD	1.6+ 6 3.9+ 6	ISL EXPT	PR 177	1595	69	TENENBAUM+ TI-47 LEVEL		+
022 TI 047	(G,P) CS	3.1+ 7 7 AUL EXPT	NP 29	292	62	SHERWOOD+ INTEGRAT.SIGMA VALUE			
022 TI 047	(N,G) YD	2.5- 2	ISL EXPT	PR 187	1403	69	TENENBAUM+ TI-48 LEVEL		
022 TI 047	(N,G) YD	PILE	BLG EXPT	NP/A 139	113	69	FETTWEIS+ GAMMA INTENSITY		
022 TI 047	(N,G) YD	PILE	RCN EXPT	NP/A 419	439	84	RUYL+ TRANSIT.GAMMA TBL		+
022 TI 047	(P,G) CS	7.4+ 5 3.5+ 6	AML EXPT	NP/A 368	337	81	KENNETT+ SIGMA CURVE		
022 TI 048	(G,ABSORPTION) CS	NDG	AML THEO	ZP/A 300	329	85	WEISE GDR ABSORPT.SIGMA CURVE		+
022 TI 048	(G,G) AD	1.3+ 6 4.7+ 6	BAR EXPT	PR/C 13	631	76	RASMUSSEN TI-48 LEVELS		
022 TI 048	(G,G) YD	5. + 5 3.0+ 6	USA EXPT	NP/A 57	403	64	BOOTH+ RESONANCE FLUORESCENCE		
022 TI 048	(G,INELASTIC) AD	4.1+ 6 1.1+ 7	GER EXPT	NP/A 513	29	90	DEGENER+ GAMMA TRANSITION		
022 TI 048	(G,N) CS	1.5+ 7 2.8+ 7	EXPT	NP/A 339	125	80	SUTTON+ HIGH RESOLUT.MEAS.		+
022 TI 048	(G,P) CS	3.1+ 7 7 AUL EXPT	NP 29	292	62	SHERWOOD+ INTEGRAT.SIGMA VALUE			
022 TI 048	(G,SCATTERING) YD	6.6+ 6	NEG EXPT	JP/G 9	755	83	MOREH+ RES.PARAM. TBL		

ELEMENT Z S A	QUANTITY	ENERGY(CEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
022 TI 048	(E,ELASTIC)	2.9+	7 5.8+	7 GER EXPT	ZP	202	190	THEISSEN DIFF.SIGMA TABLE/CURVE	+
022 TI 048	(E,ELASTIC)	6.0+	7 1.2+	8 USA EXPT	NP/A	173	124	ROMBERG+ CHARGE DENSITY	
022 TI 048	(E,INELASTIC)	2.0+	8 3.0+	8 STF EXPT	NP/A	164	353	HEISENBERG+ INELASTIC PARAMETER	
022 TI 048	(E,INELASTIC)	NDG		GER THEO	NP/A	533	381	NOJAROV+ FORM FACTOR	
022 TI 048	(E,INELASTIC)	NDG		ITK THEO	PR/C	31	689	MUKHERJEE+ SCATT.FORM FACTOR	
022 TI 048	(E,SCATTERING)	2.5+	8	USA EXPT	PR	174	1380	FROSCH+ DIFF.SIGMA CURVE	+
022 TI 048	(N,G)	2.5-	2 2.5+	4 CCP EXPT	SNP	15	1	GAMALII+ N-CAPT.GAMMA SPECTRA	
022 TI 048	(N,G)	2.5-	2	HUN EXPT	NP	24	151	KARDON+ G-G ANGL.CORRELAT.	
022 TI 048	(N,G)	2.5-	2	SAC EXPT	NP/A	107	436	CARLOS+ GAMMA TRANSITION	
022 TI 048	(N,G)	2.5-	2	CSR EXPT	NP/A	120	225	KAJFOSZ+ TIME-REVERSAL NON-INVAR.	
022 TI 048	(N,G)	2.5-	2	RCN EXPT	NP/A	124	34	ABRAHAMS+ GAMMA TRANSITION	
022 TI 048	(N,G)	2.5-	2	DEN EXPT	NP/A	127	385	KOPECKY+ LEVEL SPIN	
022 TI 048	(N,G)	PILE		BLG EXPT	NP/A	139	113	FETTHEIS+ GAMMA INTENSITY	
022 TI 048	(P,G)	7.2+	5 4.4+	6 AML EXPT	NP/A	368	337	KENNETT+ SIGMA CURVE	+
022 TI 048	(P,G)	1.5+	6 3.5+	6 CCP EXPT	SNP	51	588	NEMASHKALO+ SIGMA CURVE	+
022 TI 048	(P,G)	1.1+	6 1.4+	6 HUN EXPT	NP/A	116	167	FODOR+ RESONANCE WIDTH	
022 TI 048	(P,G)	1.3+	6 2.3+	6 GER EXPT	NP/A	114	673	KLAPDOOR VIRTUAL LEVEL	
022 TI 048	(P,G)	1.0+	6 1.4+	6 USA EXPT	PR	186	1138	LEGG+ RES.PARAM.	
022 TI 048	(P,G)	1.0+	6 1.4+	6 GER EXPT	NP/A	134	419	KLAPDOOR RESONANT CAPT.GAMMA	
022 TI 048	(P,G)	9.9+	5 1.1+	6 FIN EXPT	ZP	251	93	KIURU DECAY SCHEME	
022 TI 048	(P,G)	1.8+	6 2.5+	6 SAR EXPT	PR/C	45	2147	DIN+ RESONANCE, SPIN	
022 TI 049	(G,G)	1.3+	6 4.7+	6 BAR EXPT	PR/C	13	631	RASMUSSEN TI-49 LEVELS	
022 TI 049	(G,G)	5.1+	5 3.0+	6 USA EXPT	NP/A	57	403	BOOTH+ RESONANCE FLUORESCENCE	
022 TI 049	(G,N)	8.9+	4	ISL EXPT	NP/A	368	201	BERANT+	
022 TI 049	(G,P)	3.1+	7 AUL EXPT	NP	29	292	62	SHERWOOD+ INTEGRAT.SIGMA VALUE	+
022 TI 049	(E,SCATTERING)	NDG		CCP EXPT	SNP	23	261	LIKACHEV+ SCATT. ELECTRON SPECT.	
022 TI 049	(N,G)	PILE		CRL EXPT	CJP	37	203	KNOWLES GAMMA YIELD	
022 TI 049	(N,G)	2.5-	2	ISL EXPT	PR/C	3	663	TENENBAUM+ N-CAPT.GAMMA	
022 TI 049	(N,G)	PILE		RCN EXPT	NP/A	419	439	RUYL+ TRANSIT.GAMMA TBL	
022 TI 049	(P,G)	7.4+	5 3.3+	6	NP/A	344	351	KENNETT+ GAMMA YIELD AT 55 DEG	
022 TI 050	(G,ABSORPTION)	CS		AML THEO	ZP/A	300	329	WEISE GDR ABSORPT.SIGMA CURVE	+
022 TI 050	(G,G)	1.3+	6 4.7+	6 BAR EXPT	PR/C	13	631	RASMUSSEN TI-50 LEVELS	
022 TI 050	(G,G)	5.1+	5 3.0+	6 USA EXPT	NP/A	57	403	BOOTH+ RESONANCE FLUORESCENCE	
022 TI 050	(G,N)	2.6+	7	EXPT	NP/A	325	116	PWELL+	
022 TI 050	(G,P)	3.1+	7 AUL EXPT	NP	29	292	62	SHERWOOD+ INTEGRAT.SIGMA VALUE	+
022 TI 050	(E,ELASTIC)	2.9+	7 5.8+	7 GER EXPT	ZP	202	190	THEISSEN DIFF.SIGMA TABLE/CURVE	+
022 TI 050	(E,ELASTIC)	6.0+	7 1.2+	8 USA EXPT	NP/A	173	124	ROMBERG+ CHARGE DENSITY	
022 TI 050	(E,INELASTIC)	7.0+	7 3.6+	8 MED EXPT	NP/A	476	413	SELIG+ TI-50 LEVEL PARAM.	
022 TI 050	(E,INELASTIC)	3.0+	7 5.8+	7	EXPT	PL/B	116	EULENBERG+	
022 TI 050	(E,INELASTIC)	2.0+	8 3.0+	8 STF EXPT	NP/A	164	353	HEISENBERG+ INELASTIC PARAMETER	
022 TI 050	(E,INELASTIC)	NDG		ITK THEO	PR/C	29	2101	MUKHERJEE+ FORM FACT. CURV	
022 TI 050	(E,SCATTERING)	3.0+	7 5.7+	7 CUA EXPT	PR/C	31	2054	SOBER+ MAGNET.DIPOLE EXCIT.	
022 TI 050	(N,G)	2.5+	4	BLG EXPT	NP	9	569	VERVIER SB-BE SOURCE,SIGMA TBL	+
022 TI 050	(N,G)	1.4+	7	HUN EXPT	NP/A	95	229	CSIKAI+ SIGMA TABLE	+
022 TI 050	(N,G)	1.5+	7	FR EXPT	NSE	55	17	RIGAUD+ SIGMA TABLE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
022 TI 050	(N,G)	2.5-	2	ISL EXPT	PR/C	3	663 71	TENENBAUM+ N-CAPT.GAMMA	
022 TI 050	(P,G)	2.1+ 6	3.1+ 6	EXPT	NP/A	329	1	ERLANDSSON+ GAM-TRANSITION	
022 TI 050	(P,G)	1.4+ 6	1.4+ 6	DEN EXPT	NP/A	143	497 70	GARDE+ RESONANCE PARAMETER	
022 TI 050	(P,G)	7.3+ 5	4.4+ 6	EXTH	NP/A	346	523 80	KENNETT+ GAMMA YIELD	
023 V 000	(G,A)	2.1+ 7	3.0+ 7	YUG EXPT	NP	43	170 63	KREGAR+ 90DEG.ALPHA SPECTRA	+
023 V 000	(G,ABSORPTION)	6.4+ 6		ISL EXPT	NP/A	252	423 75	MOREH+ ATTENUAT. COEFF.	+
023 V 000	(G,N)	NDG		GER THEO	NP	179	256 64	HEISS DIFF.SIGMA	+
023 V 000	(N,G)	1.4+ 7		YUG EXPT	NP/A	130	401 69	CVELBAR+ SIGMA TABLE & CURVE	+
023 V 000	(N,G)	1. + 2	2.0+ 5	RPI EXPT	NP/A	163	592 71	STIEGLITZ+ AVERAG.SIGMA VALUE	+
023 V 000	(N,G)	1.0+ 4		USA EXPT	NP/A	78	576 66	WASSON+ RESONANT N-CAPTURE	
023 V 000	(N,G)	2.5- 2		VAL EXPT	PR	136	B1640 64	WASSON+ NEUT-CAPT GAMMA	
023 V 000	(N,G)	2.5- 2		DOR EXPT	NP/A	71	221 65	RUDELPH+ GAMMA INTENSITY	
023 V 000	(N,G)	2.5- 2		CSR EXPT	NP/A	68	449 65	KOPECKY+ POLARIZATION OF GAMMA	
023 V 050	(N,G)	PILE		LRL EXPT	NP/A	72	241 65	WHITE+ NEUT.-CAPT.GAMMA SPECTRUM	
023 V 050	(N,G)	2.5- 2		CAN EXPT	NP/A	284	407 78	ROBERTSON+ GAMMA SPECTRUM	
023 V 050	(N,G)	PILE		GER EXPT	NP/A	338	371 91	MICHAELSEN+ GAMMA INTENSITY	
023 V 051	(G,A)	1.1+ 7	2.5+ 7	UI EXPT	PR	115	1264 59	DYAL+ EXCITATION FUNC.	+
023 V 051	(G,A)	2.0+ 7	3.0+ 8	USA EXPT	NP/A	122	606 68	MEYER+ SIGMA CURVE & TABLE	+
023 V 051	(G,A)	2.5+ 7		CCP EXPT	SNP	51	193 90	ANTONOV+ INTEGRAT.SIGMA	+
023 V 051	(G,G)	2.3+ 7		CCP EXPT	SNP	53	9 91	ANTONOV+ INTEGRAT.SIGMA VALUE	+
023 V 051	(G,G)	5. + 5	3.0+ 6	USA EXPT	NP/A	57	403 64	BOOTH+ RESONANCE FLUORESCENCE	+
023 V 051	(G,INELASTIC)	1.2+ 7	3.0+ 7	GER EXPT	NP/A	147	305 70	ARENHOEVEL+ 150DEG.DIFF.SIGMA	+
023 V 051	(G,INELASTIC)	1.2+ 7	3.0+ 7	GER EXPT	NP/A	147	305 70	ARENHOEVEL+ TOTAL ABSORP.SIGMA	+
023 V 051	(G,N)	1.0+ 7	2.8+ 7	LRL EXPT	PR	128	2345 62	FULTZ+ SIGMA CURVE	+
023 V 051	(G,N)	8.5+ 7		ITY EXPT	NP/A	122	49 68	GARFAGNINI+ NEUTRON SPECTRA	
023 V 051	(G,P)	1.6+ 7	2.6+ 7	EXPT	NP/A	321	157 79	TSUBOTA+ PARTIAL DIFF. SIGMA	
023 V 051	(G,P)	1.8+ 7		SWD EXPT	NP/A	272	77 75	WENE SIGMA PLOT	+
023 V 051	(G,PION +	1.2+ 9		SWD EXPT	NP/A	162	193 71	BLOMQVIST+ PI+ PRODUCT.SIGMA CURV	+
023 V 051	(G,PION)	1.7+ 8	3.0+ 8	UI EXPT	PR	140	B48 65	MEYER+ SIGMA CURVE	+
023 V 051	(G,PION)	1.7+ 8	4.1+ 8	ITY THEO	PR/C	8	188 73	DEVANATHAN+ SIGMA CURVE	+
023 V 051	(G,PION)	NDG		USA THEO	PR/C	11	805 75	FREED+ SIGMA CURVE	+
023 V 051	(G,PION)	6.0+ 8	1.2+ 9	UFT EXPT	PR/C	16	1513 77	KUZ'MENKO+ PHOTO-ELECTRO PRODUCTS	+
023 V 051	(G,PION)	1.3+ 8	5.8+ 8	SWD EXPT	PR/C	15	988 77	BLOMQVIST+ ACTIVATION	+
023 V 051	(G,PION)	2.0+ 7	3.0+ 8	USA EXPT	NP/A	122	606 68	MEYER+ SIGMA CURVE & TABLE	+
023 V 051	(G,X)	4.5+ 8		GER EXPT	NP/A	221	145 74	DAVID+ SIGMA CURVE & TBL	+
023 V 051	(G,X)	7.5+ 7	8.0+ 8	SWD EXPT	NP/A	278	89 76	BUELOW+ PRODUCT.SIGMA CURVE/TBL	+
023 V 051	(G,X)	1.3+ 8	5.8+ 8	SWD EXPT	NP/A	278	83 76	BLOMQVIST+ SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(CEV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
023 V 051	(G,X)	1.5+	9	GER EXPT	NP/A	160	237	71	KUMBARTZKI+ SPOLLATION PRODUCT	
023 V 051	(G,X)	1.0+	9	GER EXPT	NP/A	160	237	71	KUMBARTZKI+ SPOLLATION PRODUCT	
023 V 051	(G,X)	1.0+	9	GER EXPT	NP/A	176	23	71	KUMBARTZKI+ YIELD CURVE	
023 V 051	(G,2N)	1.8+	7	LRL EXPT	PR	128	2345	62	FULTZ+ SIGMA CURVE	+
023 V 051	(E,ELASTIC)	1.8+	8	USA THEO	PR/C	9	2033	74	PREWITT+ DIFF. SIGMA CURVE	+
023 V 051	(E,ELASTIC)	8.1+	7	JPN EXPT	PR/C	23	1482	81	ARITA+ TOTAL SIGMA	+
023 V 051	(E,INELASTIC)	3.8+	7	THD EXPT	NP/A	398	408	83	BENDER+	
023 V 051	(E,INELASTIC)	3.0+	8	STF EXPT	PR	128	792	62	KENDALL+ YIELD CURVE	
023 V 051	(E,P)	1.5+	7	TOH EXPT	NP/A	303	333	78	TSUBOTA+ PHOTOPROTON SIGMA	+
023 V 051	(E,P EMISSION)	2.7+	8	IKO EXPT	NP/A	490	507	88	HERDER+ MOMENTUM DIST. CURVE	+
023 V 051	(E,PION)	2.0+	8	TOH EXPT	NP/A	486	512	88	SHODA+ 90DEG. SIGMA CURVE	+
023 V 051	(E,PION)	1.3+	8	SWD EXPT	PR/C	15	988	77	BLOMQUIST+ ACTIVATION	+
023 V 051	(E,SCATTERING)	1.8+	8	STF EXPT	PR	121	283	61	CRANNELL+ DIFF. SIGMA CURVE	+
023 V 051	(E,SCATTERING)	3.0+	8	USA THEO	PR/C	11	829	75	MURPHY+ DIFF. SIGMA CURVE	+
023 V 051	(E,SCATTERING)	1.8+	8	UMA EXPT	PR/C	7	1028	73	PETERSON+ FORM FACTOR	+
023 V 051	(E,X)	1.3+	8	SWD EXPT	NP/A	278	83	76	BLOMQUIST+ SIGMA CURVE	+
023 V 051	(N,G)	1.4+	7	HUN EXPT	NP/A	95	229	67	CSIKAI+ SIGMA TABLE	+
023 V 051	(N,G)	1.4+	7	YUG EXPT	NP/A	158	251	70	CVELBAR+ ACTIVATION SIGMA	+
023 V 051	(N,G)	1.5+	7	FR EXPT	NSE	55	17	74	RIGAUD+ SIGMA TABLE	+
023 V 051	(N,G)	2.6+	3	DNS EXPT	PR/C	18	2092	78	WINTERS N-RES. PARAM.	+
023 V 051	(N,G)	1.4+	7	YUG COMP	NP/A	332	163	89	CVELBAR+ ACTIV.&INTEG. SIGMA	+
023 V 051	(N,G)	1.4+	7	CSR THEO	NP/A	332	163	89	CVELBAR+ INTERGAT-SIGMA SPECTRUM	+
023 V 051	(N,G)	PILE		LRL EXPT	NP/A	72	241	65	WHITE+ NEUT.-CAPT.GAMMA	+
023 V 051	(N,G)	2.5-	2	LRL EXPT	PR	121	562	61	SCHWEAGER N-CAPT.GAMMA	+
023 V 051	(N,G)	2.5-	2	GER EXPT	NP/A	79	565	66	VAN ASSCHE+ LEVEL SCHEME	+
023 V 051	(N,G)	2.5-	2	SAC EXPT	NP/A	93	631	67	CARLOS+ G-G ANGL-CORRELATION	+
023 V 051	(N,G)	2.5-	2	CAN EXPT	CJP	45	2683	67	ARCHER+ GAMMA INTENSITY	+
023 V 051	(N,G)	PILE		RCN EXPT	NP/A	419	101	84	DE HAAS+ V52 LVL TRANS. TBL	+
023 V 051	(N,G)	PILE		GER EXPT	NP/A	338	371	91	MICHAELSEN+ GAMMA INTENSITY	+
023 V 051	(P,G)	9.3+	5	CCP EXPT	NP/A	343	295	80	ZYSKIND+ ABSORPTION SIGMA	+
023 V 051	(P,G)	1.2+	6	CCP EXPT	UF7	28	332	83	NEMASHKALO+	+
023 V 051	(P,G)	7.5+	5	USA EXPT	NP/A	212	541	73	FAINI+ BRANCHING RATIO	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
024 CR 000	(G, ABSORPTION) CS	5. -	1 3. +	0 GER EXPT	2P/A	282	143	77 FELDMANN+ PHOTODETACH-SIGMA CURVE	+
024 CR 000	(G, F) CS	5.8+ 8		CAN EXPT	2P/A	279	331	76 KIELY+ FISSION SIGMA VALUE	+
024 CR 000	(G, INELASTIC) AD	1.2+ 7 3.0+ 7		GER EXPT	NP/A	147	305	70 ARENHOEVEL+ 150DEG.DIFF.SIGMA	+
024 CR 000	(G, INELASTIC) CS	1.2+ 7 3.0+ 7		GER EXPT	NP/A	147	305	70 ARENHOEVEL+ TOTAL ABSORP.-SIGMA	+
024 CR 000	(G, INELASTIC) AD	NDG		GER THEO	2P	179	256	64 HEISS DIFF.-SIGMA	+
024 CR 000	(G, N) CS	8. + 3 1.2+ 5		SAF EXPT	NP/A	121	655	68 SPITZ+ SIGMA CURVE	+
024 CR 000	(N, G) CS	1.4+ 7		YUG EXPT	NP/A	130	401	69 CVELBAR+ SIGMA TABLE & CURVE	+
024 CR 000	(N, G) CS	2.5- 2		BNL EXPT	PR	125	2037	62 KANE+ N-CAPT.GAMMA	+
024 CR 050	(G, G)) YD	5. + 5 3.0+ 6		USA EXPT	NP/A	57	403	64 BOOTH+ RESONANCE FLUORESCENCE	
024 CR 050	(G, N)) CS	2.1+ 7		PEN EXPT	PR	126	709	62 BIANCO+ ACTIVATION SIGMA VALUE	+
024 CR 050	(G, N)) CS	2.0+ 7 2.2+ 7		CAN EXPT	NP/A	209	181	73 DEL BIANCO+ SIGMA TABLE & CURVE	+
024 CR 050	(G, PN)) YD	1.5+ 8 3.1+ 8		USA EXPT	NP/A	157	73	70 WALTERS+ YIELD RATIO	
024 CR 050	(G, 2N)) YD	1.5+ 8 3.1+ 8		USA EXPT	NP/A	157	73	70 WALTERS+ YIELD RATIO	
024 CR 050	(E, INELASTIC) DD	NDG		ITK THEO	PR/C	31	689	85 MUKHERJEE+ SCATT.FORM FACTOR	
024 CR 050	(E, SCATTERING) DD	3.0+ 7 4.0+ 8		SAC EXPT	PR/C	27	113	83 LIGHTBODY+ ELASTIC SCAT.-SIGMA TBL	+
024 CR 050	(N, G)) CS	1. + 2 2.0+ 5		RPI EXPT	NP/A	163	592	71 STIEGLITZ+ AVERAG.-SIGMA VALUE	+
024 CR 050	(N, G)) ED	2.5- 2		CCP EXPT	SNP	5	354	67 BOGDANOV+ GAMMA SPECTRA	
024 CR 050	(N, G)) YD	PILE		CRL EXPT	CJP	44	2111	66 BARTHOLOMEW+ DECAY SCHEME	
024 CR 050	(N, G)) YD	2.5- 2		CCP EXPT	SNP	13	129	71 BRODER+ N-CAPT.GAMMA	
024 CR 050	(N, G)) YD	2.5- 2		RCN EXPT	NP/A	188	535	72 KOPECKY+ GAMMA YIELD	
024 CR 050	(N, G)) YD	5. + 3 2.0+ 5		GER EXPT	NP/A	240	29	75 BEER+ RES. PARAM.	
024 CR 050	(P, G)) AD	8. + 5 4.0+ 6		USA EXPT	NP/A	236	523	74 RIOS+ SIGMA CURVE	+
024 CR 050	(P, G)) AD	1.7+ 6 2.5+ 6		USA EXPT	PR/C	33	103	86 DIN+ YIELD	
024 CR 050	(P, G)) AD	2.5+ 6 3.1+ 6		SAR EXPT	PR/C	38	633	88 DIN+ MN-51 LEVEL	
024 CR 050	(P, G)) YD	2.3+ 6		CCP EXPT	SNP	19	605	74 NEMASHKALO+ P-CAPT.GAMMA	
024 CR 050	(P, G)) YD	1.0+ 6 1.1+ 6		GER EXPT	NP/A	223	365	74 SCHRADER+ GAMMA YIELD	
024 CR 052	(G, ABSORPTION) CS	1.2+ 7 2.4+ 7		GER THEO	NP/A	91	145	67 ARENHOEVEL+ SIGMA CURVE	+
024 CR 052	(G, ELASTIC)) CS	1.2+ 7		EXPT	NP/A	329	205	79 KUMAGAI+ RES.-SCAT., 7GAM TRANSIT	
024 CR 052	(G, ELASTIC)) ED	1.3+ 7 3.1+ 7		EXTH	YF	32	1465	80 ISHKHANOV+ 16PT.	
024 CR 052	(G, G)) AD	1.4+ 7 2.2+ 7		ANL EXPT	PR/C	24	1940	81 BOWLES+ ANGULAR DIST.CURVE	+
024 CR 052	(G, G)) YD	5. + 5 3.0+ 6		USA EXPT	NP/A	57	403	64 BOOTH+ RESONANCE FLUORESCENCE	
024 CR 052	(G, INELASTIC) CS	1.3+ 7 3.5+ 7		EXPT	YF	30	1177	79 ISHKHANOV+ (G, NG'), N-G COINC	
024 CR 052	(G, INELASTIC)) ED	1.3+ 7 3.1+ 7		EXTH	YF	32	1465	80 ISHKHANOV+ 16PT.	
024 CR 052	(G, N)) AD	NDG		LRL EXPT	PR/C	3	672	71 BAGLAN+ DIFF.-SIGMA CURVE	+
024 CR 052	(G, P)) AD	1.5+ 7 2.6+ 7		EXPT	NP/A	321	157	79 TSUBOTA+ PARTIAL DIFF. SIGMA	
024 CR 052	(G, SCATTERING) CS	9.1+ 6		GRN EXPT	NP/A	398	397	83 SMITH+ RES.ABS.CURV	
024 CR 052	(G, XN)) YD	1.5+ 8 3.1+ 8		USA EXPT	NP/A	157	73	70 WALTERS+ YIELD RATIO	
024 CR 052	(E, INELASTIC)) ED	3.0+ 7 5.8+ 7		EXPT	PL/B	116	113	82 EULENBERG+	
024 CR 052	(E, INELASTIC)) XX	NDG		CCP THEO	SNP	4	395	67 PETKOV+ FORM FACTOR	
024 CR 052	(E, INELASTIC)) YD	NDG		ITK THEO	PR/C	29	2101	84 MUKHERJEE+ FORM FACT. CURV	
024 CR 052	(E, INELASTIC)) YD	1.7+ 8 2.6+ 8		CUA EXPT	PR/C	38	654	88 SOBER+ FORM FACTOR	
024 CR 052	(E, SCATTERING) AD	1.5+ 8 1.8+ 8		SAC EXPT	NP/A	60	319	64 BELLICARD+ SIGMA & FORM FACTOR	+
024 CR 052	(E, SCATTERING) AD	2.0+ 8		GER THEO	NP/A	100	161	67 DRECHSEL+ DIFF.-SIGMA CURVE	+
024 CR 052	(E, SCATTERING) DD	3.0+ 7 4.0+ 8		SAC EXPT	PR/C	27	113	83 LIGHTBODY+ ELASTIC SCAT.-SIGMA TBL	+
024 CR 052	(E, SCATTERING) ED	3.0+ 7 5.7+ 7		CUA EXPT	PR/C	31	2054	85 SOBER+ MAGNET.DIPOLE EXCIT.	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA	
		MIN	MAX		REF	VOL	PAGE			YEAR
024 CR 052	(N-G)	1.4+	7	YUG THEO	NP/A	130	413	69 CVELBAR+ SIGMA TABLE & CURVE	+	
024 CR 052	(N-G)	1.4+	7	YUG EXPT	NP/A	158	251	70 CVELBAR+ ACTIVATION SIGMA	+	
024 CR 052	(N-G)	1.4+	2.0+	5 RPI EXPT	NP/A	163	592	71 STIEGLITZ+ AVERAG.SIGMA VALUE	+	
024 CR 052	(N-G)	2.5-	2	CCP EXPT	SNP	13	129	71 BRODER+ N-CAPT.-GAMMA		
024 CR 052	(N-G)	2.5-	2	RCN EXPT	NP/A	188	535	72 KOPECKY+ GAMMA YIELD		
024 CR 052	(N-G)	5.0+	3	5 GER EXPT	NP/A	240	29	75 BEER+ RES. PARAM.		
024 CR 052	(P-G)	1.7+	6	2.9+ 6	PR/C	44	972	91 DIN+ RESONANCE & ANGL.DISTRIBUT.		
024 CR 052	(P-G)	4.1+	6	4.3+ 6	JP/G	5	1267	79 FODOR+ PARTIAL GAM.SIGMA		
024 CR 052	(P-G)	8.4+	5	4.0+ 6	NP/A	363	233	81 KENNETT+ SIGMA CURVE	+	
024 CR 052	(P-G)	1.5+	6	3.5+ 6	SNP	48	399	88 BONDARENKO+ EXCITATION CURVE	+	
024 CR 052	(P-G)	NDG		CCP EXPT	SNP	10	270	70 POPOV+ REACTION MECHANISM		
024 CR 052	(P-G)	1.4+	6	2.3+ 6	NP/A	83	593	66 VUISTER RESONANCE PARAMETER		
024 CR 052	(P-G)	1.7+	6	2.1+ 6	NP/A	91	521	67 VUISTER LEVEL SPIN		
024 CR 052	(P-G)	1.0+	6	1.6+ 6	NP/A	169	113	71 SPARKS BRANCHING RATIO		
024 CR 052	(P-G)	2.3+ 6		CCP EXPT	SNP	19	605	74 NEMASHKALO+ P-CAPT.GAMMA		
024 CR 052	(P-G)	1.7+ 6		CAN EXPT	NP/A	243	1	75 SIE+ MN-53 LEVEL		
024 CR 052	(P-G)	9.0+ 5		CAN EXPT	NP/A	243	202	75 SCHULTE+ MN-53 LEVEL		
024 CR 052	(P-G)	1.0+ 6		EXPT	NIM	159	407	79 SWITKOWSKI+ RES.WIDTH,STRENGTH		
024 CR 052	(P-G)	1.4+ 6		SAR EXPT	PR/C	42	530	90 AL-AGIL+ DECAY GAMMA		
024 CR 052	(P-G)	1.4+ 6		SAR EXPT	PR/C	42	530	90 AL-AGIL+ RESONANCE CAPTURE		
024 CR 052	(P-G EMISSION)	CS		RDS EXPT	NP/A	398	476	83 KLEINWAECHTER+		
024 CR 053	(G-G)	5.0+	3	3.0+ 6	USA EXPT	NP/A	57	403	64 BOOTH+ RESONANCE FLUORESCENCE	+
024 CR 053	(G-N)	2.0+ 4		LRL EXPT	PR/C	3	2475	71 BAGLAN+ 135 DEG.DIFF.SIGMA CURVE	+	
024 CR 053	(G-N)	NDG		LRL EXPT	PR/C	3	672	71 BAGLAN+ DIFF.SIGMA CURVE	+	
024 CR 053	(G-N)	9.1+ 6		ANL EXPT	PR/C	4	1314	71 JACKSON+ DIFF.SIGMA RATIO	+	
024 CR 053	(G-P)	1.2+ 7		CCP EXPT	SNP	21	590	75 RATNER REACTION YIELD		
024 CR 053	(N-G)	1.0+ 2		RPI EXPT	NP/A	163	592	71 STIEGLITZ+ AVERAG.SIGMA VALUE	+	
024 CR 053	(N-G)	2.5- 2		LRL EXPT	PR	131	777	63 WHITE CR-54 STRUCTURE		
024 CR 053	(N-G)	2.5- 2		CCP EXPT	SNP	13	129	71 BRODER+ N-CAPT.GAMMA		
024 CR 053	(N-G)	PILE		ANL EXPT	NIM	105	453	72 LOPER+ GAMMA INTENSITY		
024 CR 053	(N-G)	5.0+ 3		2.0+ 5	GER EXPT	NP/A	240	29	75 BEER+ RES. PARAM.	
024 CR 053	(N-G)	2.5- 2		SAR EXPT	NP/A	500	111	89 HOFMEYER GAMMA INTENSIT.-&BRANCH.		
024 CR 054	(G-G)	5.0+	3	3.0+ 6	USA EXPT	NP/A	57	403	64 BOOTH+ RESONANCE FLUORESCENCE	+
024 CR 054	(E-SCATTERING)	3.0+ 7		SAC EXPT	PR/C	27	113	83 LIGHTBODY+ ELASTIC SCAT.SIGMA TBL	+	
024 CR 054	(N-G)	1.0+ 2		RPI EXPT	NP/A	163	592	71 STIEGLITZ+ AVERAG.SIGMA VALUE	+	
024 CR 054	(N-G)	2.5- 2		LRL EXPT	NP/A	187	12	72 WHITE+ LEVEL SCHEME		
024 CR 054	(P-G)	8.3+ 5		3.6+ 6	USA EXPT	NP/A	301	179	78 ZYSKIND+ ABSOLUTE SIGAMA	+
024 CR 054	(P-G)	1.0+ 6		3.8+ 6	EXPT	AJP	32	335	79 WILKINSON+ PARTIAL GAM.PRODUCT	
024 CR 054	(P-G)	1.5+ 6		3.0+ 6	KFT EXPT	SNP	37	1	83 NEMASHKALO+ PARTIAL SIGMA	
024 CR 054	(P-G)	2.3+ 6		CCP EXPT	SNP	19	605	74 NEMASHKALO+ P-CAPT.GAMMA		

ELEMENT Z S A	QUANTITY	ENERGY (eV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
025 MN 055	(G,DISINTEGR.) CS	2.4+ 7		SAS EXPT	CJP	37	1344	PARSONS DISINT.SIGMA CURVE/VALUE	+
025 MN 055	(G,G)) CS	7.5+ 6		ISL EXPT	NP/A	218	95	TENENBAUM+ SCATT.SIGMA TBL	+
025 MN 055	(G,G)) YD	5. + 5	3.0+ 6	USA EXPT	NP/A	57	403	BOOTH+ RESONANCE FLUORESCENCE	
025 MN 055	(G,G)) YD	8. + 5	3.0+ 6	USA EXPT	NP/A	116	281	ALSTON+ TRANSITION STRENGTH	
025 MN 055	(G,G)) YD	6.1+ 6		CCP EXPT	SNP	48	1	BEGZHANOV+ RES.SCATT.LEVEL WIDTH	
025 MN 055	(G,N)) AD	NDG		GER THEO	2P	179	256	HEISS DIFF.SIGMA	+
025 MN 055	(G,N)) CS	3.0+ 7		US EXPT	PR	120	1424	FLOURNOY+ SIGMA TBL & CURVE	+
025 MN 055	(G,N)) CS	2.0+ 6	5.5+ 6	ITY EXPT	NP/A	126	505	DE CARVALHO+ SIGMA PLOT	+
025 MN 055	(G,N)) CS	2.2+ 7	3.0+ 7	JPN EXPT	NIM	147	563	HIRAYAMA+ EFFECT.BREMSST.SIGMA	+
025 MN 055	(G,N)) ED	8.5+ 7	ITY EXPT	NP/A	122	49	68	GARGAGNINI+ NEUTRON SPECTRA	+
025 MN 055	(G,N)) YD	2.5- 2	1.0+ 4	YAL EXPT	PR	137	B1175	WASSON+ GAMMA INTENSITY	
025 MN 055	(G,N EMISSION) CS	1.0+ 7	3.7+ 7	EXPT	PR/C	20	128	ALVAREZ+ (N+PN+2N+3N) SIGMA	
025 MN 055	(G,SCATTERING) CS	1.0+ 7	1.1+ 7	NRL EXPT	PR	120	175	TOBIN RESONANT SCATT.-SIGMA	+
025 MN 055	(G,SCATTERING) DD	2. + 9	5. + 9	CCP EXPT	NIM	166	91	MOREH. N-CAPT GAMMA SOURCE	
025 MN 055	(G,X)) CS	2.3+ 8	3.0+ 8	UI EXPT	PR	150	867	WALTERS+ ISOMER RATIO	+
025 MN 055	(G,X)) YD	1.5+ 9		GER EXPT	NP/A	160	237	KUMBARTZKI+ SPOLLATION PRODUCT	
025 MN 055	(G,X)) YD	1.0+ 8	8.0+ 8	SWD EXPT	NP/A	242	507	ERIKSSON+ ISOMERIC YIELD CURVE	
025 MN 055	(G,XN)) CS	1.0+ 7	2.3+ 7	BLG EXPT	NP/A	223	416	CARCHON+ SIGMA CURVE	+
025 MN 055	(G,3N)) CS	2.0+ 6	5.5+ 6	ITY EXPT	NP/A	126	505	DE CARVALHO+ SIGMA PLOT	+
025 MN 055	(G,3N)) CS	1.0+ 8	3.0+ 8	UI EXPT	PR	150	867	WALTERS+ ISOMER RATIO	+
025 MN 055	(E,DISINTEGR.) YD	3.0+ 7	8.2+ 7	USA EXPT	PR	105	1534	HINES F VALUE CURVE	
025 MN 055	(N,G)) CS	2.4+ 4		IND EXPT	NP/A	66	267	CHAUBEY+ ACTIVATION SIGMA VALUE	+
025 MN 055	(N,G)) CS	9.7+ 5	1.9+ 7	USA EXPT	PR	163	1299	MENLOVE+ ACTIVATION SIGMA TBL	+
025 MN 055	(N,G)) CS	1.3+ 7	1.5+ 7	HUN EXPT	NP/A	95	229	CSIKAI+ SIGMA TABLE	+
025 MN 055	(N,G)) CS	8. + 3	1.2+ 5	SAF EXPT	NP/A	121	655	SPITZ+ SIGMA CURVE	+
025 MN 055	(N,G)) CS	1.4+ 7		YUG EXPT	NP/A	130	401	CVELBAR+ SIGMA TABLE & CURVE	+
025 MN 055	(N,G)) CS	1.4+ 7		YUG EXPT	NP/A	158	251	CVELBAR+ ACTIVATION SIGMA	+
025 MN 055	(N,G)) CS	3.0+ 3	6.0+ 5	ORL EXPT	PR/C	18	2079	GARG+ N-RES. PARAM.	+
025 MN 055	(N,G)) CS	2.5+ 3		ORL EXPT	NSE	89	362	MACKLIN SIGMA CURVE	+
025 MN 055	(N,G)) CS	1.4+ 7		YUG COMP	2P/A	332	163	89 CVELBAR+ ACTIV.&INTEG. SIGMA	+
025 MN 055	(N,G)) CS	1.4+ 7		CSR THEO	2P/A	332	163	89 CVELBAR+ INTERGAT.SIGMA	+
025 MN 055	(N,G)) ED	3.3+ 2	2.4+ 3	ANL EXPT	PR	155	1223	67 PRESTWICH+ RESONANCE PARAM.	
025 MN 055	(N,G)) YD	2.5- 2		YAL EXPT	PR	123	629	61 TOIT+ LIFETIME OF LEVEL	
025 MN 055	(N,G)) YD	5. + 0	4.0+ 3	YAL EXPT	PR	136	B1640	64 WASSON+ NEUT.CAPT GAMMA	
025 MN 055	(N,G)) YD	2.5- 2		DDR EXPT	NP/A	73	499	65 WASSON+ NEUT.-CAPT.GAMMA	
025 MN 055	(N,G)) YD	2.5- 2		CAN EXPT	NP/A	80	131	66 RUDOLPH+ GAMMA INTENSITY	
025 MN 055	(N,G)) YD	2.5- 2		DEN EXPT	NP/A	127	385	69 KOPECKY+ GAMMA INTENSITY	
025 MN 055	(N,G)) YD	2.5- 2		SWD EXPT	NP/A	139	375	69 SELIN+ GAMMA INTENSITY	
025 MN 055	(N,G)) YD	2.5- 2		SAC EXPT	NP/A	135	241	69 ALVES+ GAMMA INTENSITY	
025 MN 055	(N,G)) YD	2.5- 2		NED EXPT	NP/A	154	385	70 MELLEMA+ RESONANCE PARAM.	
025 MN 055	(N,G)) YD	2.5- 2		USA EXPT	NP/A	160	367	71 VAN ASSCHE+ RESONANCE	
025 MN 055	(N,G)) YD	8.0+ 5	2.0+ 6	CAN EXPT	CJP	53	236	75 COLEBRANDER+ GAMMA INTENSITY	
025 MN 055	(P,G)) CS	1.3+ 6	1.9+ 6	GER EXPT	NP/A	109	118	68 OTTO+ RESONANCE PARAM.	
025 MN 055	(P,G)) YD	1.3+ 6	1.5+ 6	JPN EXPT	NP/A	157	113	70 SAKAI+ BRANCHING RATIO	
025 MN 055	(P,G)) YD	1.3+ 6	1.9+ 6	UK EXPT	NP/A	235	205	74 PEEL+ GAMMA INTENSITIES	
025 MN 055	(P,G)) YD	1.4+ 6	1.5+ 6	NED EXPT	NP/A	540	117	92 GUO+ RESONANCE ENERGY	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA	
		MIN	MAX		REF	VOL	PAGE			YEAR
026 FE 000	(G,ABSORPTION) CS	1.0+ 7	2.7+ 7	CCP EXPT	SNP	9	391	69	DOLBILKIN+ SIGMA CURVE	+
026 FE 000	(G,ABSORPTION) CS	6.4+ 6		ISL EXPT	NP/A	252	423	75	MOREH+ ATTENUAT. COEFF.	+
026 FE 000	(G,G) AD	1.4+ 7	2.2+ 7	ANL EXPT	PR/C	24	1940	81	BOWLES+ ANGULAR DIST. CURVE	+
026 FE 000	(G,N) AD	2.2+ 7		SAS EXPT	CJP	39	1158	61	BAKER+ ANGL. DIFF. SIGMA	+
026 FE 000	(G,N) ED	7.0+ 7		CAN EXPT	CJP	33	785	55	DIXON ENERGY & ANGL. DISTRIBUTION	+
026 FE 000	(G,NP) CS	1.8+ 7	2.9+ 7	SWD EXPT	NIM	5	37	59	KOCKUM+ PHOTO-ABSORPTION SIGMA PLT	+
026 FE 000	(G,P) ED	4.0+ 8		SWD THEO	2P	269	105	74	DOUGAN+ CAL. SIGMA CURVE	+
026 FE 000	(G,SCATTERING) AD	1.7+ 7		GER EXPT	2P	170	47	62	STIERLIN+ DIFF. SIGMA	+
026 FE 000	(G,X) AD	6.6+ 5		CAN EXPT	CJP	42	957	64	CLIFFORD CONCRETE, DIFF. DOSE ALBEDO	+
026 FE 000	(G,X) XX	2.3+ 5	3.3+ 5	KFK EXPT	2P	263	147	73	BOCK+ POLARIZATION	+
026 FE 000	(G,X) YD	1.0+ 8	2.5+ 8	UI EXPT	PR	150	867	66	WALTERS+ ISOMER RATIO	+
026 FE 000	(G,X) YD	1.0+ 8	8.0+ 8	SWD EXPT	NP/A	242	507	75	ERIKSSON+ ISOMERIC YIELD CURVE	+
026 FE 000	(E,G) AD	2.2+ 7		JPN EXPT	NIM	133	355	76	HIRAYAMA+ SPATIAL DIST. OF BREMSST	+
026 FE 000	(E,G) DD	1.0+ 6	2.1+ 7	BZL THEO	NIM	91	135	71	FERNINAND+ CAL. BREMSST. SPECT. CRV	+
026 FE 000	(E,INELASTIC) CS	8. + 9	2.5+ 9	STF EXPT	PRL	52	727	84	ARNOLD+ SIGMA CURVE	+
026 FE 000	(E,X) CS	1.5+ 9	1.6+ 9	ORL EXPT	PR/C	2	1371	70	FULMER+ SIGMA CURVE	+
026 FE 000	(E,X) CS	4.0+ 7	1.6+ 10	ORL EXPT	PR/C	3	1955	71	FULMER+ RELATIV. YIELD	+
026 FE 000	(E,X) YD	3.0+ 9		ORL EXPT	PR	188	1752	69	FULMER+ RELATIVE YIELD	+
026 FE 000	(E,X) YD	5.0+ 9		USA EXPT	PR/C	4	2123	71	FULMER+ RELATIVE YIELD	+
026 FE 000	(N,G) CS	1.4+ 7		YUG EXPT	NP/A	130	401	69	CVELBAR+ SIGMA TABLE & CURVE	+
026 FE 000	(N,G) CS	1.4+ 7		YUG EXPT	NP/A	158	251	70	CVELBAR+ ACTIVATION SIGMA	+
026 FE 000	(N,G) YD	2.5- 2		WAS EXPT	PR	125	2031	62	FLIEBIGER+ N-CAPT. GAMMA	+
026 FE 000	(N,G) YD	0.0+ 0	3. + 3	BNL EXPT	PR	132	801	63	MOORE+ RELATIVE INTENSITY	+
026 FE 000	(N,G) YD	1. + 3	2.0+ 5	RPI EXPT	PR	178	1746	69	HOCKENBURY+ RES. PARAM.	+
026 FE 000	(N,G) YD	1. + 3	2.0+ 5	SAC EXPT	NP/A	135	241	69	ALVES+ GAMMA INTENSITY	+
026 FE 000	(N,G) YD	2.5- 2	1. + 6	ORL EXPT	NSE	51	496	73	WHITE+ CAPT. YIELD, MULTIPLICITY	+
026 FE 000	(P,G) CS	1.5+ 6	1.1+ 7	SWD EXPT	2P	266	245	74	AKSELSSON+ K X-RAY YIELD	+
026 FE 000	(P,G) YD		4.0+ 7	ORL EXPT	PR	179	179	69	CLARK+ ACTIVAT. EXCIT. FUNC.	+
026 FE 054	(G,N) CS	2.1+ 7		PEN EXPT	PR	126	709	62	BIANCO+ ACTIVATION SIGMA VALUE	+
026 FE 054	(G,N) CS	2.2+ 7	3.0+ 7	JPN EXPT	NIM	147	563	77	HIRAYAMA+ EFFECT. BREMSST. SIGMA	+
026 FE 054	(G,N) CS	1.5+ 7	2.3+ 7	AML EXPT	AUJ	31	471	78	NORBURY+ TOTAL PHOTONEUTRON CS	+
026 FE 054	(G,N) CS	2.0+ 5	FEI EXPT	SNP	49	758	89	89	ROGOV+ RESONANCE SIGMA	+
026 FE 054	(G,P) CS	1.4+ 7	2.6+ 7	TOH EXPT	PR/C	30	1168	84	TSUBOTA+ SIGMA CURV	+
026 FE 054	(G,PN) YD	7.0+ 7		USA EXPT	PR	107	772	57	HENRY+ COMPARATIVE YIELD	+
026 FE 054	(G,PN) YD	1.5+ 8	3.1+ 8	USA EXPT	NP/A	157	73	70	WALTERS+ YIELD RATIO	+
026 FE 054	(G,X) CS	2.2+ 7		BZL EXPT	NP	7	202	58	GOLDENBERG+ SIGMA CURVE, X=D+NP	+
026 FE 054	(G,X) YD	7.0+ 7		USA EXPT	PR	107	772	57	HENRY+ COMPARATIVE YIELD	+
026 FE 054	(G,2N) YD	1.5+ 8	3.1+ 8	USA EXPT	NP/A	157	73	70	WALTERS+ YIELD RATIO	+
026 FE 054	(E,ELASTIC) AD	2.3+ 8		CCP EXPT	SNP	14	23	72	LITVINENKO+ DIFF. SIGMA CURVE	+
026 FE 054	(E,INELASTIC) ED	3.0+ 7	5.8+ 7	EXPT	PL/B	116	113	82	EULENBERG+	+
026 FE 054	(E,INELASTIC) YD	NDG		ITK THEO	PR/C	29	2101	84	MUKHERJEE+ FORM FACT. CURV	+
026 FE 054	(E,P) AD	1.5+ 7	2.6+ 7	TOH EXPT	PR/C	30	1168	84	TSUBOTA+ LEGENDRE COEF. SIGMA CURV	+
026 FE 054	(E,SCATTERING) ED	3.0+ 7	5.7+ 7	CUA EXPT	PR/C	31	2054	85	SOBER+ MAGNET. DIPOLE EXCIT.	+
026 FE 054	(N,G) YD	5.8+ 6		EXPT	NP/A	465	413	87	MASON	+
026 FE 054	(N,G) YD	4.4+ 6		USA EXPT	PR	99	XXXX	55	SINCLAIR GAMMA RADIATION	+
026 FE 054	(N,G) YD	2.5- 2		CCP EXPT	NP/A	58	465	64	GROSHEV+ GAMMA SPECTRUM	+
026 FE 054	(N,G) YD	2.5- 2		CCP EXPT	NP/A	73	312	65	FIRSOV+ GAMMA INTENSITY	+
026 FE 054	(N,G) YD	1.5+ 4	8.0+ 4	ORL EXPT	NP/A	120	113	68	BIRD+ RESONANCE PARAMETER	+

ELEMENT Z S A	QUANTITY	ENERGY(CEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
026 FE 054	(N,G)	2.5-	2	NED EXPT	NP/A	145	449	SPITS+ GAMMA INTENSITY	
026 FE 054	(N,G)	2.5-	2	RCN EXPT	NP/A	188	535	KOPECKY+ GAMMA YIELD	
026 FE 054	(N,G)	5.	3	GER EXPT	NP/A	240	29	BEER+ RES. PARAM.	
026 FE 054	(P,G)	9.0+	6	EXPT	SNP	45	384	SKAKUN+	
026 FE 054	(P,G)	8.	6	2.2+ 7 ORL EXPT	PR	100	206	COHEN SIGMA TBL	+
026 FE 054	(P,G)	8.0+	6	1.5+ 7 DKE EXPT	PR/C	14	553	CAMERON+ RELATIVE SIGMA	+
026 FE 054	(P,G)	1.1+	6	1.8+ 6 EXPT	NP/A	337	231	SANA ULLAH+ ANG.DIST. OF GAMMA	
026 FE 054	(P,G)	1.1+	6	3.7+ 6 MAL EXPT	NP/A	363	233	KENNETT+ SIGMA CURVE	+
026 FE 054	(P,G)	1.8+	6	1.9+ 6 CAN EXPT	NP/A	187	337	MARTIN+ LEVEL SCHEME	
026 FE 054	(P,G)	4.8+	6	1.7+ 7 ANL EXPT	PR/C	9	1440	MAHER+ YIELD CURVE	
026 FE 054	(P,G)	3.3+	6	3.8+ 6 SWT EXPT	NP/A	249	269	BRANDLE+ CO-55 STATES	
026 FE 054	(P,G)	1.5+	6	2.9+ 6 EXPT	ZP/A	280	79	ERLANDSSON+ GAMMA INTENSITY	
026 FE 054	(P,G)	NDG		FIN EXPT	NIM	144	323	RIIHONEN+ ABSOLUT-RES-STRENGTH	
026 FE 054	(P,G)	2.1+	6	3.9+ 6 SAR EXPT	PR/C	40	577	DIN+ PROTON RESONANCE	
026 FE 054	(P-SCATTERING)	3.4+	6	3.5+ 6 EXPT	NP/A	324	63	ARAI+ ANG.DIST. OF 2ND GAM-4ANG	
026 FE 054	(A,G)	7.6+	6	1.3+ 7 ANL EXTH	PR/C	17	56	MEYER-SCHUITZMEISTER+ GIANT RES.	+
026 FE 056	(G,ABSORPTION)	NDG		CER THEO	PL/B	136	307	ALBERICO+	
026 FE 056	(G,ELASTIC)	1.2+	7	EXPT	NP/A	329	205	KUMAGAI+ RES-SCAT-77GAM TRANSIT	+
026 FE 056	(G,G)	2.8+	5	6.6+ 5 EXPT	NP/A	80	93	ANAND+ SIGMA CURVE	
026 FE 056	(G,G)	8.5+	5	EXPT	NP	27	188	KELLY+ RESONANCE FLUORESC.	
026 FE 056	(G,G)	5.	5	3.0+ 6 USA EXPT	NP/A	57	403	BOOTH+ RESONANCE FLUORESCENCE	+
026 FE 056	(G,N)	2.0+	4	1.8+ 6 LRL EXPT	PR/C	3	2475	BAGLAN+ 135 DEG.DIFF.SIGMA CURVE	+
026 FE 056	(G,N)	NDG		EXPT	PR/C	3	672	BAGLAN+ DIFF.SIGMA CURVE	+
026 FE 056	(G,N)	1.3+	7	USA EXPT	PR/C	8	1002	VERBINSKI+ 93DEG. DIFF.SIGMA CURVE	+
026 FE 056	(G,N)	1.	3	1.4+ 5 CCP EXPT	SNP	20	236	ABRAMOV+ SIGMA TABLE	+
026 FE 056	(G,N)	1.2+	7	FEI EXPT	SNP	49	758	ROGOV+ RESONANCE SIGMA	+
026 FE 056	(G,N)	2.2+	7	USA EXPT	PR	110	1388	TOBIN+ PHOTONEUTRON THRESHOLD	+
026 FE 056	(G,SCATTERING)	9.1+	6	GRN EXPT	NP/A	398	397	SMITH+ RES-ABS-CURV	
026 FE 056	(G,X)	3.0+	7	1.4+ 8 EDG EXPT	NP/A	429	61	FLOWERS+ SIGMA CURV	
026 FE 056	(G,X)	1.5+	9	EXPT	NP/A	160	237	KUMBARTZKI+ SPOLLATION PRODUCT	
026 FE 056	(G,X)	1.5+	9	EXPT	NP/A	176	23	KUMBARTZKI+ YIELD CURVE	
026 FE 056	(G,XN)	1.5+	8	3.1+ 8 USA EXPT	NP/A	157	73	WALTERS+ YIELD RATIO	
026 FE 056	(G,XN)	1.6+	7	1.0+ 8 NBS EXPT	PR/C	24	1952	DODGE+ DIFF. SIGMA CURVE	+
026 FE 056	(G,XN)	2.3+	8	CCP EXPT	SNP	14	23	LITVINENKO+ DIFF.SIGMA CURVE	+
026 FE 056	(G,XN)	6.0+	7	YAL EXPT	NP/A	153	610	PETERSON+ SIGMA RATIO	+
026 FE 056	(G,XN)	1.0+	8	3.7+ 8 EXPT	PRL	44	965	ALTEMUS+ INEL-RESPONSE FUNCT.	
026 FE 056	(G,XN)	1.6+	7	5.6+ 8 UMA EXPT	PR/C	30	87	HOTTA+ 12ENERG.AT 180DE-SIGMA CURV	
026 FE 056	(G,XN)	1.2+	8	7.0+ 8 SAC EXPT	PRL	52	2130	MEZIANI+ 3ANG.	
026 FE 056	(G,XN)	2.0+	8	3.0+ 8 STF EXPT	NP/A	164	353	HEISENBERG+ INELASTIC PARAMETER	
026 FE 056	(G,XN)	1.6+	7	1.0+ 8 NBS EXPT	PR/C	24	1952	DODGE+ DIFF. SIGMA CURVE	+
026 FE 056	(G,XN)	1.8+	8	STF EVAL	PR	105	1353	HAHN+ ELECTRON SCATT.	+
026 FE 056	(G,XN)	3.0+	7	1.4+ 8 EDG EXPT	NP/A	429	61	FLOWERS+ SIGMA CURV	
026 FE 056	(G,XN)	1.4+	4	6.0+ 4 ORL EXPT	PR	136	8695	MACKLIN+ SIGMA VALUE	+
026 FE 056	(G,XN)	1.4+	7	YUG THEO	NP/A	130	413	CVELBAR+ SIGMA TABLE & CURVE	+
026 FE 056	(G,XN)	1.0+	4	1.8+ 7 USA THEO	NSE	46	255	BLOOM+ STATISTICAL MODEL CAL.	+
026 FE 056	(G,XN)	1.0+	4	2.5+ 5 KFK EXPT	NSE	84	234	KAEPPELER+ MAXWEL-AV.SIGMA TABLE	+
026 FE 056	(G,XN)	1.2+	3	KFK EXPT	NSE	93	348	CORVI+ RES.PARAMETER	+
026 FE 056	(G,XN)	2.5-	2	CCP EVAL	SNP	4	558	GROSHEV+ LEVEL STRUCTURE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
026 FE 056	) XX	2.5- 2		KFK EXPT	NP/A	107	14	68	SCHAUB+ CIRCULAR POLARIZATION	
026 FE 056	) YD	4.4+ 6		USA EXPT	PR	99	XXX	55	SINCLAIR GAMMA RADIATION	
026 FE 056	) YD	2.5- 2		CRC EXPT	NP/A	50	209	64	BARTHOLOMEW+ LEVEL SPIN	
026 FE 056	) YD	2.5- 2		CCP EXPT	NP/A	58	465	64	GROSHEV+ GAMMA SPECTRUM	
026 FE 056	) YD	2.5- 2		CCP EXPT	NP/A	73	312	65	FIRSOV+ GAMMA INTENSITY	
026 FE 056	) YD	2.5- 2		NED EXPT	NP/A	102	209	67	SPILLING+ Q-VALUE	
026 FE 056	) YD	2.5- 2		NED EXPT	NP/A	113	395	68	SPILLONG+ GAMMA INTENSITY	
026 FE 056	) YD	1.5+ 4	8.0+ 4	ORL EXPT	NP/A	120	113	68	BIRO+ RESONANCE PARAMETER	
026 FE 056	) YD	2.5- 2		DEN EXPT	NP/A	127	385	69	KOPECKY+ LEVEL SPIN	
026 FE 056	) YD	1.2+ 3		BNL EXPT	PR/C	1	973	70	CHRIEN+ GAMMA INTENSITY	
026 FE 056	) YD	2.5- 2		NED EXPT	NP/A	145	449	70	SPITS+ GAMMA INTENSITY	
026 FE 056	) YD	2.5- 2		NED EXPT	NP/A	180	569	72	KAMP+ NEUT.-CAPT. GAMMA	
026 FE 056	) YD	5. + 3	2.0+ 3	GER EXPT	NP/A	240	29	75	BEER+ RES. PARAM.	
026 FE 056	) YD	7. + 3	7.0+ 4	KFK EXPT	NP/A	284	173	78	BEER+ PARTIAL WIDTH	
026 FE 056	) YD	2.8+ 4		KFK EXPT	NSE	86	168	84	WISSHAK+ RES.PARAMETER	
026 FE 056	) YD	2.5- 2		GOE EXPT	NP/A	505	193	89	ULBIG+ LIFETIME OF LEVELS	
026 FE 056	) YD	PILE		CCP EXPT	SNP	52	398	90	VESNA+ PARITY NON-CONSERV.EFFECT	
026 FE 056	) AD	2.0+ 6	4.0+ 6	ATH EXPT	PR/C	24	398	81	PARADELLIS+ LEVELS	+
026 FE 056	) CS	8. + 6	2.2+ 7	USA EXPT	NP/A	203	257	73	DRAKE+ INTEGRAT-SIGMA CURVE	+
026 FE 056	) CS	8.0+ 6	1.5+ 7	DKE EXPT	PR/C	14	553	76	CAMERON+ RELATIVE SIGMA	
026 FE 056	) CS	1.5+ 6	3.0+ 6	EXPT	YF	36	1083	82	NEMASHKALO+	
026 FE 056	) DD	8.6+ 6	9.7+ 6	EXPT	PR/C	19	1762	79	RANGACHARYULU+ C057 LEVEL SCHEM	
026 FE 056	) XX	1.3+ 6	1.9+ 6	CAN EXPT	NP/A	301	189	81	EI-KATEB+ RESONANCE	
026 FE 056	) YD	1.2+ 6	2.6+ 6	NZL EXPT	NP/A	153	593	70	O'BRIEN+ RESONANCE	
026 FE 056	) YD	1.2+ 6	1.7+ 6	CAN EXPT	NP/A	170	115	71	LESLI+ PROTON-CAPT.GAMMA	
026 FE 056	) YD	1.2+ 6	1.5+ 6	CAN EXPT	NP/A	232	139	74	ESAT+ RESONANCE PROPERTIES	
026 FE 056	) YD	NDG		FIN EXPT	NIM	144	323	77	RIIHONEN+ ABSOLUT.RES-LENGTH	
026 FE 056	) YD	3.7+ 6	3.9+ 6	KFI EXPT	JP/G	4	1117	78	FODOR+ CO-57 LEVELS	
026 FE 056	) YD	1.3+ 6	1.9+ 6	CAN EXPT	NP/A	301	189	85	EL-KATEB+ GAMMA YIELD	
026 FE 056	) YD	1.6+ 6	1.6+ 6	KQU EXPT	NP/A	462	527	87	BROOKES+ CO-57 LEVEL	
026 FE 056	) YD	3.8+ 6	3.8+ 6	DHA EXPT	PR/C	34	1620	86	EI-KATEB+ CO-57 LEVEL	
026 FE 056	) CS	8. + 6	1.8+ 7	AUL EXPT	NP/A	220	505	74	FOOTE+ EXCITATION CURVE	+
026 FE 056	) YD	8. + 6	1.8+ 7	AUL EXPT	NP/A	220	505	74	FOOTE+ NI-60 LEVEL SCHEME	
026 FE 056	) YD	4.2+ 6	7.1+ 6	EXPT	NP/A	318	471	79	ANDERSON+ GAM.YIELD	
026 FE 057	) YD	1.4+ 4		USA EXPT	NP/A	68	145	65	NUSSBAUM+ INTERNAL CONVERSION	
026 FE 057	) AD	NDG		LRL EXPT	PR/C	3	672	71	BAGLAN+ DIFF-SIGMA CURVE	+
026 FE 057	) AD	8.5+ 6		ANL EXPT	PR/C	4	1314	71	JACKSON+ DIFF.SIGMA RATIO	+
026 FE 057	) CS	1.1+ 7		FEI EXPT	SNP	49	758	89	ROGOV+ RESONANCE SIGMA	+
026 FE 057	) YD	2.2+ 7		USA EXPT	PR	110	1388	58	TOBIN+ PHOTONEUTRON THRESHOLD	
026 FE 057	) YD	1.4+ 7		USA EXPT	PR/C	6	836	72	LEE+ 90DEG. SCATTERING	
026 FE 057	) CS	1.2+ 4	6.0+ 4	ORL EXPT	PR	136	8695	64	MACKLIN+ SIGMA VALUE	+
026 FE 057	) ED	2.5- 2		CCP EXPT	SNP	6	325	68	MURZIN+ GAMMA SPECTRA	
026 FE 057	) YD	2.5- 2		KFK EXPT	NP/A	128	641	69	FANGER+ GAMMA INTENSITY	
026 FE 057	) YD	2.5- 2		KFK EXPT	NP/A	136	122	69	SCHMIDT+ GAMMA TRANSITION	
026 FE 057	) YD	1.2+ 6	1.7+ 6	SWD EXPT	NP/A	146	43	70	ERLANDSSON+ RESONANCE PARAMETER	
026 FE 057	) YD	NDG		FIN EXPT	NIM	144	323	77	RIIHONEN+ ABSOLUT.RES-LENGTH	
026 FE 058	) CS	1.3+ 7		FEI EXPT	SNP	49	758	89	ROGOV+ RESONANCE SIGMA	+

ELEMENT Z S A	QUANTITY	ENERGY (eV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
026 FE 058	(E, ELASTIC)	2.3+ 8		CCP EXPT	SNP	14	23	LITVINENKO+ DIFF. SIGMA CURVE	+
026 FE 058	(N, G)	2.5+ 4	2.0+ 5	EXPT	JP/G	6	381	ALLEN+ CAPT SIGMA, RAD. WIDTH	+
026 FE 058	(N, G)	1.0+ 4	2.5+ 5	KFK EXPT	NSE	84	234	KAEPPELER+ MAXWEL. AV. SIGMA TABLE	+
026 FE 058	(N, G)	2.5- 2		CCP EXPT	SNP	14	509	BOGDANOV+ GAMMA SPECTRA	+
026 FE 058	(P, G)	5.0+ 6	1.6+ 7	DKE EXPT	PR/C	14	553	CAMERON+ RELATIVE SIGMA	+
026 FE 058	(P, G)	7.6+ 6	1.5+ 7	DKE EXPT	PR/C	14	553	CAMERON+ RELATIVE SIGMA	+
026 FE 058	(P, G)	1.5+ 6	3.0+ 6	EXPT	YF	36	1083	NEMASHKALO+	
026 FE 058	(P, G)	2.2+ 6	2.9+ 6	EXPT	NP/A	391	61	NILSON+	
026 FE 058	(P, G)	2.2+ 6	2.3+ 6	FIN THEO	NP/A	391	129	KEINONEN+ GAMMA DECAY OF RESONANC	
026 FE 058	(P, G)	NDG		FIN EXPT	NIM	144	323	RIIHONEN+ ABSOLUT. RES. STRENGTH	

ELEMENT Z S A	QUANTITY	ENERGY (eV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
027 CO 059	(G, ABSORPTION)	6.4+ 6		ISL EXPT	NP/A	252	423	MOREH+ ATTENUAT. COEFF.	+
027 CO 059	(G, G)	5.1+ 5	3.0+ 6	USA EXPT	NP/A	57	403	BOOTH+ RESONANCE FLUORESCENCE	+
027 CO 059	(G, G)	8.1+ 5	3.0+ 6	USA EXPT	NP/A	116	281	ALSTON+ TRANSITION STRENGTH	+
027 CO 059	(G, N)	2.2+ 6		EXPT	SJA	58	56	DAVYDOV+	+
027 CO 059	(G, N)	1.7+ 6		EXPT	SJA	63	545	DAVYDOV+	+
027 CO 059	(G, N)	3.0+ 7		USA EXPT	PR	120	1424	FLOURNOY+ SIGMA TBL & CURVE	+
027 CO 059	(G, N)	1.0+ 7	2.8+ 7	LRL EXPT	PR	128	2345	FULTZ+ SIGMA CURVE	+
027 CO 059	(G, N)	1.0+ 7	3.1+ 7	ITY EXPT	NP/A	67	178	BACIU+ SIGMA TABLE	+
027 CO 059	(G, N)	7.7+ 6	1.1+ 7	USA EXPT	NP/A	91	365	HURST+ SIGMA VALUE	+
027 CO 059	(G, N)	8.5+ 7		ITY EXPT	NP/A	122	49	GARFAGNINI+ NEUTRON SPECTRA	+
027 CO 059	(G, N)	4.8+ 7		RPI THEO	PR	167	1049	RHOADES+ ISOMER RATIO	+
027 CO 059	(G, N EMISSION)	1.0+ 7	3.7+ 7	EXPT	PR/C	20	128	ALVAREZ+ (N+PN+2N+3N) SIGMA	+
027 CO 059	(G, P)	1.8+ 7		SWD EXPT	NP/A	272	77	WENE SIGMA PLOT	+
027 CO 059	(G, X)	3.5+ 7	5.4+ 7	GER EXPT	NP/A	205	47	DAVID+ SIGMA CURVE & TBL	+
027 CO 059	(G, X)	4.5+ 8		GER EXPT	NP/A	221	145	LICHDBLAU+ MN-56 PRODUCT. SIGMA	+
027 CO 059	(G, X)	1.6+ 7		COR EXPT	PR	102	530	WOLKE+ SPOLLATION YIELD	+
027 CO 059	(G, X)	1.5+ 8		UI EXPT	PR	150	867	WALTERS+ ISOMER RATIO	+
027 CO 059	(G, X)	1.5+ 9		GER EXPT	NP/A	160	237	KUMBARIZKI+ SPOLLATION PRODUCT	+
027 CO 059	(G, X)	1.0+ 8	8.0+ 8	SWD EXPT	NP/A	242	507	ERIKSSON+ ISOMERIC YIELD CURVE	+
027 CO 059	(G, XN)	3.5+ 7	5.4+ 7	GER EXPT	NP/A	205	47	LICHDBLAU+ SIGMA TABLE	+
027 CO 059	(G, XN)	1.0+ 7	2.2+ 7	RUM EXPT	NP/A	167	177	BACIU+ SIGMA CURVE & TABLE	+
027 CO 059	(G, XP)	6.0+ 7	1.0+ 8	GLS EXPT	PL/B	79	356	FINDLAY+	+
027 CO 059	(G, 2N)	1.8+ 7	2.8+ 7	LRL EXPT	PR	128	2345	FULTZ+ SIGMA CURVE	+
027 CO 059	(E, A)	1.6+ 7	1.0+ 8	NBS EXPT	PR/C	24	1952	DODGE+ DIFF. SIGMA CURVE	+
027 CO 059	(E, ELASTIC)	3.0+ 8		CCP THEO	SNP	4	41	PETKOV+ DIFF. SIGMA CURVE	+
027 CO 059	(E, ELASTIC)	2.3+ 8		CCP EXPT	SNP	20	583	LIKACHEV+ 90DEG. SIGMA CURVE	+
027 CO 059	(E, P)	1.5+ 7	2.9+ 8	TOH EXPT	NP/A	303	333	TSUBOTA+ PHOTOPROTON SIGMA	+
027 CO 059	(E, P)	1.6+ 7	1.0+ 8	NBS EXPT	PR/C	24	1952	DODGE+ DIFF. SIGMA CURVE	+
027 CO 059	(E, SCATTERING)	1.8+ 8		STF EXPT	PR	123	923	CRANNELL+ NUCL. LEVEL	+
027 CO 059	(E, SCATTERING)	1.8+ 8		STF EXPT	PR	121	283	CRANNELL+ DIFF. SIGMA CURVE	+
027 CO 059	(E, SCATTERING)	3.0+ 8		UI THEO	PR	132	414	HERMAN+ DIFF. SIGMA CURVE	+
027 CO 059	(E, SCATTERING)	NDG		USA THEO	PR/C	1	547	RAPHAEL+ FORM FACTOR	+
027 CO 059	(N, G)	PILE		GEL EXPT	NSE	24	87	VANINBROUKX ACTIVATION	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
027 CO 059	(N/G)	2.5- 2	1.5+ 3	BNL EXPT	PR	176	1314	68	WASSON+ DIRECT CAPT. SIGMA	+
027 CO 059	(N/G)	2.5- 2		CAN EXPT	CJP	46	2325	68	MERRITT+ ACTIVAT. SIGMA VALUE	+
027 CO 059	(N/G)	2.5- 2	3.0+ 2	SAC EXPT	NP/A	130	353	69	SAMOUR+ SIGMA RATIO	
027 CO 059	(N/G)	2.5- 2		SAC EXPT	NP/A	130	161	69	MELLEMA+ GAMMA INTENSITY	
027 CO 059	(N/G)	1.4+ 7		FR EXPT	NP/A	173	551	71	RIGAUD+ INTEGRAT. SIGMA TABLE	+
027 CO 059	(N/G)	2.5- 2		USA EXPT	NSE	46	314	71	FULMER+ SIGMA VALUE	+
027 CO 059	(N/G)	1.0+ 4	7.0+ 4	KFK EXPT	NSE	60	390	76	SPENCER+ MAXWEL. AV. SIGMA TABLE	+
027 CO 059	(N/G)	8.5+ 4	1.0+ 6	ORL EXPT	NSE	61	346	76	SPENCER+ AV. SIGMA TABLE	+
027 CO 059	(N/G)	PILE		CCP EXPT	NP	4	91	57	ESTULIN+ N-CAPT. SOFT GAMMA	+
027 CO 059	(N/G)	1.0+ 4		USA EXPT	NP/A	78	576	66	WASSON+ RESONANT N-CAPTURE	
027 CO 059	(N/G)	2.5- 2		CAN EXPT	NP/A	88	548	66	PRESTWICH+ GAMMA SPECTRUM	
027 CO 059	(N/G)	1.3+ 2		ANL EXPT	PR	155	1223	67	PRESTWICH+ RESONANCE PARAM.	
027 CO 059	(N/G)	PILE		CAN EXPT	CJP	53	351	75	PRESTWICH+ N-CAPT. GAMMA SPECTRUM	
027 CO 059	(N/G)	PILE		RCN EXPT	NP/A	427	413	84	KOPECKY+ GAMM. TRANSIT. TBL	
027 CO 059	(N/G)	2.5- 2		KFK EXPT	NP/A	219	114	69	EICHLER CIRCUL. POLARIZAT. OF GAMMA	
027 CO 059	(N/G)	2.5- 2		VAL EXPT	PR	136	B1640	64	WASSON+ NEUT. CAPT GAMMA	
027 CO 059	(N/G)	PILE		DDR EXPT	NP/A	54	405	64	GERSCH+ GAMMA INTENSITY	
027 CO 059	(N/G)	2.5- 2		CAL EXPT	PR	150	894	66	BROOKS+ CO-60 LEVEL	
027 CO 059	(N/G)	2.5- 2		RCN EXPT	NP/A	124	34	69	ABRAHAMS+ GAMMA TRANSITION	
027 CO 059	(N/G)	2.5- 2		DEN EXPT	NP/A	127	385	69	KOPECKY+ LEVEL SPIN	
027 CO 059	(N/G)	2.5- 2		RCN EXPT	NP/A	181	241	72	STECHER-RASMUSSEN+ LEVEL SCHEME	
027 CO 059	(N/G)	6.8+ 6	1.3+ 7	EXPT	PR/C	17	1853	78	TURNER+ POLARIZED PROTON	
027 CO 059	(P/G)	1.0+ 6	1.9+ 6	USA EXPT	PR	108	1473	57	BUTLER+ SIGMA TBL	+
027 CO 059	(P/G)	8. + 6	2.2+ 7	USA EXPT	NP/A	203	257	73	DRAKE+ INTEGRAT. SIGMA CURVE	+
027 CO 059	(P/G)	1.6+ 7	1.7+ 7	AUL EXPT	NP/A	220	505	74	FOOTE+ EXCITATION CURVE	+
027 CO 059	(P/G)	1.5+ 6	1.1+ 7	SWD EXPT	ZP	266	245	74	AKSELSSON+ K X-RAY YIELD	+
027 CO 059	(P/G)	1.2+ 6	2.2+ 6	CCP EXPT	UFZ	28	332	83	NEMASHKALO+	
027 CO 059	(P/G)	8. + 6	1.8+ 7	AUL EXPT	NP/A	220	505	74	FOOTE+ NI-60 LEVEL SCHEME	
027 CO 059	(P/G)	1.4+ 6	2.2+ 6	SWD EXPT	ZP/A	272	67	75	ERLANDSSON+ TRANSIT GAMMA	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA	
		MIN	MAX		REF	VOL	PAGE	YEAR			
028 NI 000	(G,A)	2.1+	7	3.0+	7	YUG EXPT	NP	43	170 63	KREGAR+ 90DEG.ALPHA SPECTRA	
028 NI 000	(G,A)	3.3+	7	GER EXPT	NP/A	56	113	64	SCHEER+ ALPHA SPECTRUM		
028 NI 000	(G,A)	3.1+	7	KFK EXPT	NP/A	85	631	66	HOFFMANN+ ALPHA SPECTRUM		
028 NI 000	(G,ABSORPTION)	6.4+	6	ISL EXPT	NP/A	252	423	75	MORECH+ ATTENUAT. COEFF.	+	
028 NI 000	(G,ABSORPTION)	5. -	1	3. -	0	GER EXPT	NP/A	282	143 77	FELDMANN+ PHOTODETACH.SIGMA CURVE	+
028 NI 000	(G,F)	3.0+	8	9.0+	8	SWD EXPT	NP/A	167	97 71	METHASIRI+ SIGMA PLOT & TABLE	+
028 NI 000	(G,G)	6.1+	6	CCP EXPT	SNP	48	1	88	BEGZHANOV+ RES.SCATT.-LEVEL WIDTH	+	
028 NI 000	(G,N)	NDG		GER THEO	NP	179	256	64	HEISS DIFF.SIGMA	+	
028 NI 000	(G,N)	1.0+	7	3.1+	7	ITY EXPT	NP/A	67	178 65	BACIU+ SIGMA TABLE	+
028 NI 000	(G,N)	1.1+	7	2.5+	7	USA EXPT	PR	168	1312 68	FIEDLER+ SIGMA CURVE & TBL	+
028 NI 000	(G,N)	8.5+	7	ITY EXPT	NP/A	122	49	68	GARTAGNINI+ NEUTRON SPECTRA	+	
028 NI 000	(G,N)	2.5-	2	1.0+	4	VAL EXPT	PR	137	B1175 65	WASSON+ GAMMA INTENSITY	+
028 NI 000	(G,SCATTERING)	NDG		ITY EXPT	NP/A	65	344	65	GIANNINI+ RESONANT.SCATT.-LEVEL W	+	
028 NI 000	(G,T)	3.6+	7	4.9+	7	GER EXPT	NP	199	440 67	KREISEL+ SIGMA VALUE	+
028 NI 000	(E,A)	5.0+	7	CCP EXPT	JP/G	6	1133	80	MCGEORGE+		
028 NI 000	(E,ABSORPTION)	1.5+	8	5.0+	8	CCP EXPT	SNP	23	265 76	VLASENKO+ TOT.HADRONIC SIGMA	+
028 NI 000	(E,ELASTIC)	1.0+	9	1.2+	9	CCP THEO	SNP	13	660 71	TIIOV+ ELECTROPRODUCT.MECHANISM	+
028 NI 000	(E,INELASTIC)	1.2+	8	CCP EXPT	SNP	48	3	88	VOITSEKHOVSKII+ SCAT.ELECT.SPECT.	+	
028 NI 000	(E,PION)	1.2+	9	CCP EXPT	SNP	11	145	70	TIIOV+ DOUBL.DIFF.SIGMA CURVE	+	
028 NI 000	(E,X)	4.9+	5	6.7+	5	HUN EXPT	NP	271	207 74	NASR+ POSITRON IMPACT IONIZAT.SIGM	+
028 NI 000	(N,G)	8. +	3	1.2+	5	SAF EXPT	NP/A	121	655 68	SPITZ+ SIGMA CURVE	+
028 NI 000	(N,G)	1. +	5	SWD EXPT	NP	22	513	61	BERGQVIST+ N-CAPT.GAMMA SPECTR.	+	
028 NI 000	(N,G)	1. +	3	2.0+	5	RPI EXPT	PR	178	1746 69	HOCKENBURY+ RES.PARAM.	+
028 NI 000	(P,G)	1.5+	6	1.1+	7	SWD EXPT	NP	266	245 74	AKSELSSON+ K X-RAY YIELD	+
028 NI 058	(G,ABSORPTION)	1.2+	7	2.4+	7	GER THEO	NP/A	91	145 67	ARENHOEVEL+ SIGMA CURVE	+
028 NI 058	(G,ABSORPTION)	2. +	3	6.0+	5	USA THEO	PR	183	964 69	BERTIN+ STOPPING SIGMA	+
028 NI 058	(G,G)	5. +	5	3.0+	6	USA EXPT	NP/A	57	403 64	BOOTH+ RESONANCE FLUORESCENCE	+
028 NI 058	(G,G)	1.0+	7	GER EXPT	NP/A	372	1	81	ACKERMANN+ GAMMA INTENSITY	+	
028 NI 058	(G,N)	1.2+	7	2.4+	7	SAS EXPT	CJP	37	607 59	ROALSVIG+ SIGMA VALUE	+
028 NI 058	(G,N)	NDG		CAN THEO	CJP	47	1313	69	PAI+ CAL.SIGMA	+	
028 NI 058	(G,N)	1.2+	7	3.4+	7	LRD EXPT	PR/C	10	608 74	FULTZ+ SIGMA CURVE	+
028 NI 058	(G,N)	1.6+	7	2.0+	7	CCP EXPT	NP/A	512	167 90	GLATKY+ SIGMA PLOT	+
028 NI 058	(G,P)	1.8+	7	SWD EXPT	NP/A	272	77	75	WENE SIGMA CURVE	+	
028 NI 058	(G,P)	1.8+	7	2.2+	7	CCP EXPT	SNP	21	239 75	VARLAMOV+ PROTON SPECT.CURVE	+
028 NI 058	(G,X)	4.5+	9	CCP EXPT	SNP	41	533	85	ARAKELIAN+ NA-24 PRODUCTION SIGMA	+	
028 NI 058	(G,X)	3.0+	7	1.4+	8	EDG EXPT	NP/A	429	61 84	FLOWERS+ SIGMA CURV	+
028 NI 058	(G,XN)	1.1+	7	2.4+	7	AUL EXPT	NP/A	140	523 70	OWEN+ SIGMA CURVE	+
028 NI 058	(G,2N)	1.2+	7	3.4+	7	LRD EXPT	PR/C	10	608 74	FULTZ+ SIGMA CURVE	+
028 NI 058	(E,A)	1.6+	7	5.0+	7	EXPT	PRL	42	27 79	WOLYNEC+ DECAY MODE OF RES.	+
028 NI 058	(E,A)	1.6+	7	5.0+	7	EXPT	PR/C	22	1012 80	WOLYNEC+	+
028 NI 058	(E,E)	3.9+	6	5.7+	6	THD EXPT	NP/A	473	160 87	METTNER+	+
028 NI 058	(E,ELASTIC)	2.3+	8	CCP EXPT	SNP	10	122	69	KHVAISTUNOV+ DIFF.SIGMA CURVE	+	
028 NI 058	(E,ELASTIC)	NDG		CCP THEO	SNP	9	204	69	LUK'YANOV+ DIFF.SIGMA CURVE	+	
028 NI 058	(E,ELASTIC)	2.3+	8	CCP EXPT	SNP	14	23	72	LITVINENKO+ DIFF-SIGMA CURVE	+	
028 NI 058	(E,ELASTIC)	6.0+	8	USA THEO	NP/A	118	436	68	ONLEY RELATIVE SIGMA CURVE	+	
028 NI 058	(E,EP)	7.8+	8	USA EXTH	PR/C	45	780	92	GARINO+ DIFF.SIGMA CURVE & TBL	+	
028 NI 058	(E,EP)	NDG		USA THEO	PR/C	45	791	92	PANDHARIPANDE+ NUCL.TRANSPARENCY	+	
028 NI 058	(E,INELASTIC)	4.0+	7	7.5+	7	NRL EXPT	PR/C	14	1789 76	LINDGREN+ DIFF. SIGMA	+

ELEMENT Z S A	QUANTITY	ENERGY(KEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
028 NI 058	(E, INELASTIC) CS	NDG		DUK THEO	NP/A	66	1	REYNOLDS+ CAL.RELATIV.SIGMA CURVE	+
028 NI 058	(E, INELASTIC) CS	3. + 6 5.0+ 7		EXPT	PR/C	21	147	PITTHAN+	
028 NI 058	(E, INELASTIC) CS	1.2+ 7 3.5+ 7		EXPT	YF	32	595	VOLKOV+	
028 NI 058	(E, INELASTIC) DD	1.5+ 8 2.0+ 8		CCP EXPT	SNP	9	274	GUL'KAROV+ DOUBL.DIFF.SIGMA CURVE	+
028 NI 058	(E, INELASTIC) ED	4.5+ 8		SAC EXPT	PL/B	122	347	FROIS+ 2+ STAT SIGMA CURV	
028 NI 058	(E, INELASTIC) ED	1.2+ 8 1.8+ 8		MPH EXPT	NC/A	76	369	KLEIN+ SIGMA CURV	
028 NI 058	(E, INELASTIC) ED	1.4+ 8		GER EXPT	2P/A	331	107	DOLBILKIN+ 4PI-INTEG. SPECTRA	
028 NI 058	(E, INELASTIC) XX	NDG		USA THEO	PR	129	1689	ONLEY+ FORM FACTOR	
028 NI 058	(E, INELASTIC) XX	NDG		CCP THEO	SNP	4	395	PETKOV+ FORM FACTOR	
028 NI 058	(E, INELASTIC) XX	NDG		CCP THEO	SNP	11	312	LUK'YANOV+ FORM FACTOR	
028 NI 058	(E, INELASTIC) XX	8.0+ 8		SAC COMP	NP/A	358	383	FROIS	
028 NI 058	(E, INELASTIC) XX	8.4+ 6 1.1+ 7		GER EXTH	NP/A	448	21	SPANGENBERGER+ MAGNETIC-DIPOLE	
028 NI 058	(E, INELASTIC) XX	NDG		CCP THEO	SNP	51	221	DENISOV FORM FACTOR	
028 NI 058	(E, MISCELLAN.) CS	1.2+ 7 3.5+ 7		EXPT	JEL	30	67	VOLKOV+ (E,EP)+(G,P)+(E,EA)+(GA	
028 NI 058	(E, P) CS	1.6+ 7 5.0+ 7		EXPT	PRL	42	27	WOLYNEC+ DECAY MODE OF RES.	
028 NI 058	(E, P) CS	1.6+ 7 5.0+ 7		EXPT	PR/C	22	1012	WOLYNEC+	
028 NI 058	(E, P EMISSION) AD	NDG		BLG THEO	NP/A	505	755	RYCKEBSCH+ CALCUL.DIFF.SIG.CURVE	+
028 NI 058	(E, SCATTERING) AD	1.8+ 8		STF EXPT	PR	123	923	CRANNELL+ NUCL.LEVEL	
028 NI 058	(E, SCATTERING) AD	2.0+ 8		GER THEO	NP/A	78	465	DRECHSEL DIFF.SIGMA CURVE	+
028 NI 058	(E, SCATTERING) AD	2.3+ 8		CCP EXPT	NP/A	146	15	KHVASTUNOV+ DIFF.SIGMA TABLE	+
028 NI 058	(E, SCATTERING) AD	5.0+ 8		STF EXPT	PR/C	9	2230	WHITNEY+ SIGMA TABLE	+
028 NI 058	(E, SCATTERING) CS	1.8+ 8		STF EVAL	PR	105	1353	HAHN+ ELECTRON SCATT.	+
028 NI 058	(E, SCATTERING) YD	1.2+ 8 2.6+ 8		UMA EXPT	PRL	41	1705	LINDGREN+ NI-58 LEVELS	
028 NI 058	(E, X) DD	3.0+ 7 1.4+ 8		EDG EXPT	NP/A	429	61	FLOWERS+ SIGMA CURV	
028 NI 058	(E, X) XX	1.5+ 8 2.3+ 8		CCP EVAL	SNP	10	18	AFANAS'EV+ FORM FACTOR	
028 NI 058	(N, G) CS	9. + 5 8.3+ 6		SWD EXPT	NP/A	120	161	BERGQVIST+ SIGMA PLOT	+
028 NI 058	(N, G) CS	4.0+ 4		AUL EXPT	NP/A	122	220	ALLEN+ AVERAG.SIGMA VALUE	+
028 NI 058	(N, G) CS	2.0+ 4 4.0+ 4		KFK EXPT	NSE	86	168	WISSHAK+ MAXWEL.AV.SIGMA TABLE	+
028 NI 058	(N, G) ED	2.5- 2		USA EXPT	PR	121	1734	TREADO+ N-CAPT.GAMMA SPRCTRA	+
028 NI 058	(N, G) ED	5. + 5 1.1+ 7		CCP EXPT	NP/A	339	205	LINDHOLM+ TOF,LARGE NAI,CAPT CS	
028 NI 058	(N, G) YD	2.5- 2		CCP EVAL	SNP	3	319	GROSHEV+ GAMMA ENERGY & INTENSITY	
028 NI 058	(N, G) YD	2.5- 2		CCP EXPT	SNP	5	829	BOGDANDOV+ GAMMA SPECTRA	
028 NI 058	(N, G) YD	2.5- 2		CCP COMP	SNP	17	134	KNAT'KO+ NI-59 LEVEL	
028 NI 058	(N, G) YD	2.5- 2		ANL EXPT	PR/C	11	1477	WILSON+ N-CAPT GAMMA	
028 NI 058	(N, G) YD	2.5- 2		CAN EXPT	2P/A	281	365	ISHAQ+ GAMMA INTENSITY	
028 NI 058	(N, G) YD	7. + 3 7.0+ 4		KFK EXPT	2P/A	284	173	BEER+ PARTIAL WIDTH	
028 NI 058	(N, G) YD	2.5- 2		GER EXPT	2P/A	338	397	ULBIG+ LIFE & PARTIAL RATIO	
028 NI 058	(N, G) AD	4. + 6 5.7+ 6		USA EXPT	NP/A	236	523	RIO3+ SIGMA CURVE	+
028 NI 058	(P, G) AD	6.2+ 6 6.9+ 6		EXPT	CJP	60	959	SZOECHY+	
028 NI 058	(P, G) CS	8.6+ 5 1.8+ 6		USA EXPT	PR	108	1473	BUTLER+ SIGMA TBL	+
028 NI 058	(P, G) CS	8. + 6 2.2+ 7		USA EXPT	NP/A	203	257	DRAKE+ INTEGRAT.SIGMA CURVE	+
028 NI 058	(P, G) CS	1. + 6 5. + 6		EXPT	CJP	58	1677	CHENG+	
028 NI 058	(P, G) CS	1.2+ 6 4.2+ 6		AUL EXPT	NP/A	439	371	TNGWELL+ SIGMA CURVE	+
028 NI 058	(P, G) DD	2.1+ 6 3.5+ 6		CCP EXPT	IZV	47	2191	SIGALOV+	
028 NI 058	(P, G) ED	7.5+ 5 5.0+ 6		SAR EXPT	PR/C	31	800	DIN+ DECAY GAMMA	
028 NI 058	(P, G) XX	1.4+ 6 1.8+ 6		NRL EXPT	PR	130	1078	BONDELID+ RESONANCE ENERGY	
028 NI 058	(P, G) YD	1.8+ 6 4.3+ 6		AUL EXPT	NP	19	184	CARVER+ RESONANCE PARAM.	
028 NI 058	(P, G) YD	1.4+ 6		WIS EXPT	NP/A	51	113	COSTELLO+ G-RAY YIELD CURVE	
028 NI 058	(P, G) YD	1.1+ 6 1.9+ 6		USA EXPT	NP/A	112	32	TREADO+ GAMMA YIELD	
028 NI 058	(P, G) YD	3.5+ 6 3.5+ 6		GER EXPT	NP/A	245	133	KLAPDOR+ GAMMA TRANSIT.	
028 NI 058	(P, G) YD	9. + 5 2.3+ 6		CAN EXPT	NP/A	246	457	TRENTELMAN+ CU-59 LEVEL	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
028 NI 058	(P,G)	1.4+ 6	4.8+ 6	EXPT	CJP	53	445	75 HALL+ REACTION RATE	
028 NI 058	(A,G)		3.5+ 7	WAS EXPT	PR	114	305	59 BALL+ SIGMA CURVE	+
028 NI 058	(A,G)	4.9+ 6	6.1+ 6	DRL EXPT	PR	133	B907	64 MCGOWAN+ SIGMA CURVE & TBL	+
028 NI 059	(G,D)	1.1+ 9		CCP EXPT	SNP	14	502	72 ANTUF'EV+ DIFF.SIGMA CURVE	+
028 NI 059	(G,P)	8.0+ 7	2.9+ 8	CCP EXPT	SNP	12	627	71 ANTUF'EV+ DIFF. SIGMA CURVE	+
028 NI 059	(N,G)	PILE		ISL EXPT	NIM	105	557	72 MOREH+ GAMMA ENERGY/Q-VALUE	
028 NI 059	(N,G)	2.5- 2		ANL EXPT	PR/C	11	1477	75 WILSON+ N-CAPT GAMMA	
028 NI 060	(G,G)	1.3+ 6	2.2+ 7	USA EXPT	PR	103	983	56 METZGER DIFF.SIGMA CURVE	+
028 NI 060	(G,G)	1.4+ 7	2.2+ 7	ANL EXPT	PR/C	124	1940	81 BOWLES+ ANGULAR DIST.CURVE	+
028 NI 060	(G,G)	1.3+ 6		CCP EXPT	SNP	5	339	67 BEGZHANOV+ RES.SCATT.SIGMA TBL	+
028 NI 060	(G,G)	5. + 5	3.0+ 6	USA EXPT	NP/A	57	403	64 BOOTH+ RESONANCE FLUORESCENCE	
028 NI 060	(G,G)	1.3+ 6		USA EXPT	NP/A	148	362	70 METZGER RESONANT FLUORESC.	
028 NI 060	(G,N)	NDG		CAN THEO	CJP	47	1313	69 PAT+ CAL.SIGMA	+
028 NI 060	(G,N)	1.3+ 7		USA EXPT	PR/C	8	1002	73 VERBINSKI+ 93DEG. DIFF.SIGMA CURVE	+
028 NI 060	(G,N)	1.2+ 7	3.4+ 7	LRD EXPT	PR/C	10	608	74 FULTZ+ SIGMA CURVE	+
028 NI 060	(G,NP)	4.8+ 7		RPI THEO	PR	167	1049	68 RHODES+ ISOMER RATIO	
028 NI 060	(G,PION -)	4.5+ 9		CCP EXPT	SNP	51	997	90 ARAKELIAN+ RELATIV.YIELD	
028 NI 060	(G,X)	4.5+ 9		CCP EXPT	SNP	41	533	85 ARAKELIAN+ NA-24 PRODUCTION SIGMA	+
028 NI 060	(G,X)	4.5+ 9		CCP EXPT	SNP	44	6	86 ARAKELIAN+ PRODUCT YIELD SIGMA	+
028 NI 060	(G,X)	4.5+ 9		CCP EXPT	SNP	52	202	90 ARAKELIAN+ X=BE-7,NA-24,SIGMA	+
028 NI 060	(G,X)	3.0+ 7	1.4+ 8	EDG EXPT	NP/A	429	61	84 FLOWERS+ SIGMA CURV	+
028 NI 060	(G,XN)	1.1+ 7	2.4+ 7	AUL EXPT	NP/A	140	523	70 OWEN+ SIGMA CURVE	+
028 NI 060	(G,2N)	1.2+ 7	3.4+ 7	LRD EXPT	PR/C	10	608	74 FULTZ+ SIGMA CURVE	+
028 NI 060	(E,A)	1.6+ 7	5.0+ 7	EXPT	PRL	42	27	79 WOLYNEC+ DECAY MODE OF RES.	
028 NI 060	(E,A)	1.6+ 7	5.0+ 7	EXPT	PR/C	22	1012	80 WOLYNEC+	
028 NI 060	(E,ELASTIC)	2.3+ 8		CCP EXPT	SNP	10	122	69 KHVASTUNOV+ DIFF.SIGMA CURVE	+
028 NI 060	(E,INELASTIC)	4.0+ 7	7.5+ 7	NRL EXPT	PR/C	14	1789	76 LINDGREN+ DIFF. SIGMA	
028 NI 060	(E,INELASTIC)	NDG		DUK THEO	NP/A	66	1	65 REYNOLDS+ CAL.RELATIV.SIGMA CURVE	+
028 NI 060	(E,INELASTIC)	1.2+ 7	3.5+ 7	EXPT	YF	32	595	80 VOLKOV+	
028 NI 060	(E,INELASTIC)	3. + 6	5.0+ 7	EXPT	PR/C	21	147	80 PITTHAN+	
028 NI 060	(E,INELASTIC)	1.5+ 8	2.0+ 8	CCP EXPT	SNP	9	274	69 GUL'KAROV+ DOUBL.DIFF.SIGMA CURVE	+
028 NI 060	(E,INELASTIC)	1.4+ 8		GER EXPT	2P/A	331	107	88 DOLBILKIN+ 4PI-INTEG. SPECTRA	
028 NI 060	(E,INELASTIC)	NDG		USA THEO	PR	129	1689	63 ONLEY+ FORM FACTOR	
028 NI 060	(E,INELASTIC)	4.5+ 7	2.5+ 8	UK EXPT	NP/A	218	189	74 SINGHAL+ FORM FACTOR	
028 NI 060	(E,P)	1.6+ 7	5.0+ 7	EXPT	PRL	42	27	79 WOLYNEC+ DECAY MODE OF RES.	
028 NI 060	(E,P)	1.6+ 7	5.0+ 7	EXPT	PR/C	22	1012	80 WOLYNEC+	
028 NI 060	(E,SCATTERING)	1.8+ 8		STF EXPT	PR	123	923	61 CRANNELL+ NUCL-LEVEL	
028 NI 060	(E,SCATTERING)	2.3+ 8		CCP EXPT	NP/A	146	15	70 KHVASTUNOV+ DIFF.SIGMA TABLE	+
028 NI 060	(E,SCATTERING)	2.3+ 8		CCP EXPT	SNP	15	611	72 LITVINENKO+ DIFF.SIGMA CURVE	+
028 NI 060	(E,SCATTERING)	1.8+ 8		STF EVAL	PR	105	1353	57 HAHN+ ELECTRON SCATT.	+
028 NI 060	(E,SCATTERING)	3.0+ 7	6.0+ 7	YAL EXPT	NP/A	235	135	74 YEN+ FORM FACTOR	
028 NI 060	(E,X)	3.0+ 7	1.4+ 8	EDG EXPT	NP/A	429	61	84 FLOWERS+ SIGMA CURV	
028 NI 060	(E,X)	1.5+ 8	2.3+ 8	CCP EVAL	SNP	10	18	70 AFANAS'EV+ FORM FACTOR	
028 NI 060	(N,G)	4.0+ 4		AUL EXPT	NP/A	122	220	68 ALLEN+ AVERAG.SIGMA VALUE	+
028 NI 060	(N,G)	1. + 2	2.0+ 5	RPI EXPT	NP/A	163	592	71 STIEGLITZ+ AVERAG.SIGMA VALUE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
028 NI 060	(N/G)	2.0+ 4	4.0+ 4	KFK EXPT	NSE	86	168	84	WISSHAK+ MAXWEL-AV-SIGMA TABLE
028 NI 060	(N/G)	2.5- 2		USA EXPT	PR	121	1734	61	TREDO+ N-CAPT.GAMMA SPCRTA
028 NI 060	(N/G)	2.5- 2		HUN EXPT	NP/A	52	269	64	ZAMORI G-G ANGL.CORRELATION
028 NI 060	(N/G)	2.5- 2		CCP EVAL	SNP	3	319	66	GROSHEV+ GAMMA ENERGY & INTENSITY
028 NI 060	(N/G)	2.5- 2		CCP EXPT	SNP	5	829	67	BOGDANOV+ GAMMA SPECTRA
028 NI 060	(N/G)	2.5- 2		RCN EXPT	NP/A	188	535	72	KOPECKY+ GAMMA YIELD
028 NI 060	(N/G)	2.5- 2	1.7+ 4	RPI EXPT	NP/A	236	45	74	BROWN+ GAMMA INTENSITIES
028 NI 060	(N/G)	2.5- 2		ANL EXPT	PR/C	11	1477	75	WILSON+ N-CAPT GAMMA
028 NI 060	(N/G)	2.5- 2		CAN EXPT	NP/A	281	365	77	ISHAQ+ GAMMA INTENSITY
028 NI 060	(N/G)	7. + 3	7.0+ 4	KFK EXPT	NP/A	284	173	78	BEER+ PARTIAL WIDTH
028 NI 060	(N/G)	2.5- 2		GER EXPT	NP/A	338	397	91	ULBIG+ LIFE & PARTIAL RATIO
028 NI 060	(P/G)	1. + 6	4. + 6	AML EXPT	NP/A	496	127	89	TINGWELL+ SIGMA CURVE
028 NI 060	(P/G)	8. + 6	2.2+ 7	ORL EXPT	PR	100	206	55	COHEN SIGMA TBL
028 NI 060	(P/G)	7.3+ 5	1.8+ 6	USA EXPT	PR	108	1473	57	BUTLER+ SIGMA TBL
028 NI 060	(P/G)	8. + 6	2.2+ 7	USA EXPT	NP/A	203	257	73	DRAKE+ INTEGRAT.SIGMA CURVE
028 NI 060	(P/G)	1.6+ 6	3.1+ 6	EXPT	NP/A	320	385	79	BOKHAREV+ GAM.SPECT., 27RES.
028 NI 060	(P/G)	1.5+ 6	3.0+ 6	EXPT	SNP	36	163	82	NEMASHKALO+ STRENGTH FUNCTION
028 NI 060	(P/G)	1.6+ 6	1.9+ 6	CCP EXPT	IZV	47	66	83	SIGALOV+
028 NI 060	(P/G)	2.3+ 6	2.9+ 6	EXPT	NP/A	391	61	82	NILSON+
028 NI 061	(G-N)	8.9+ 6		ANL EXPT	PR/C	4	1314	71	JACKSON+ DIFF.SIGMA RATIO
028 NI 061	(G-X)	4.5+ 9		CCP EXPT	SNP	41	533	85	ARAKELIAN+ NA-24 PRODUCTION SIGMA
028 NI 061	(G-X)	4.5+ 9		CCP EXPT	SNP	44	6	86	ARAKELIAN+ PRODUCT YIELD SIGMA
028 NI 061	(N-G)	2.5- 2		CCP EVAL	SNP	3	319	66	GROSHEV+ GAMMA ENERGY & INTENSITY
028 NI 061	(N-G)	2.5- 2		KFK EXPT	NP/A	146	549	70	FANGER+ GAMMA INTENSITY
028 NI 061	(N-G)	PILE		ISL EXPT	NIM	105	557	72	MOREH+ GAMMA ENERGY/Q-VALUE
028 NI 061	(N-G)	2.5- 2		ANL EXPT	PR/C	11	1477	75	WILSON+ N-CAPT GAMMA
028 NI 061	(P-G)	8. + 6	2.2+ 7	USA EXPT	NP/A	203	257	73	DRAKE+ INTEGRAT.SIGMA CURVE
028 NI 061	(P-G)	1.1+ 6	4.0+ 6	AUL EXPT	NP/A	480	162	88	TINGWELL+ SIGMA CURVE
028 NI 061	(P-G)	2.3+ 6	2.9+ 6	EXPT	NP/A	391	61	82	NILSON+
028 NI 062	(G-G)	6.0+ 6	7.3+ 6	USA EXPT	PR	154	1104	67	ESTES+ RES.SCATT.OF MONOCHRO GAMMA
028 NI 062	(G-G)	7.6+ 6		ISL EXPT	NP/A	228	77	74	MOREH+ TEMP. EFFECT OF SCATT.
028 NI 062	(G-G)	7.6+ 6		ISL EXPT	NP/A	224	86	74	MOREH+ NI-62 LEVEL
028 NI 062	(G-INELASTIC)	7.6+ 6	7.6+ 6	VIR EXPT	PR/C	1	201	70	ESTES+ ANGULAR DIST.PARAM.
028 NI 062	(G-INELASTIC)	7.6+ 6		ITY EXPT	NP/A	132	512	69	CESAREO+ RESONANT FLUORESC.
028 NI 062	(G-P)	1.3+ 7	1.4+ 7	CCP EXPT	SNP	21	590	75	RATNER REACTION YIELD
028 NI 062	(G-X)	4.5+ 9		CCP EXPT	SNP	41	533	85	ARAKELIAN+ NA-24 PRODUCTION SIGMA
028 NI 062	(G-X)	4.5+ 9		CCP EXPT	SNP	44	6	86	ARAKELIAN+ PRODUCT YIELD SIGMA
028 NI 062	(E-A)	1.6+ 7	5.0+ 7	EXPT	PRL	42	27	79	WOLYNEC+ DECAY MODE OF RES.
028 NI 062	(E-A)	1.6+ 7	5.0+ 7	EXPT	PR/C	22	1012	80	WOLYNEC+
028 NI 062	(E-ELASTIC)	2.3+ 8		CCP EXPT	SNP	14	23	72	LITVINENKO+ DIFF.SIGMA CURVE
028 NI 062	(E-P)	1.6+ 7	5.0+ 7	EXPT	PRL	42	27	79	WOLYNEC+ DECAY MODE OF RES.
028 NI 062	(E-P)	1.6+ 7	5.0+ 7	EXPT	PR/C	22	1012	80	WOLYNEC+
028 NI 062	(N-G)	4.0+ 4		AUL EXPT	NP/A	122	220	68	ALLEN+ AVERAG.SIGMA VALUE
028 NI 062	(N-G)	PILE		JAE EXPT	NIM	109	493	73	ISHIKAWA SIGMA VALUE
028 NI 062	(N-G)	2.5- 2		USA EXPT	PR	121	1734	61	TREDO+ N-CAPT.GAMMA SPCRTA

ELEMENT Z S A	QUANTITY	ENERGY(CEV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
028 NI 062	(N,G)	2.5- 2	2.5+ 4	CCP EXPT	SNP	15	1	72	GAMALII+ N-CAPT.GAMMA SPECTRA	
028 NI 062	(N,G)	2.5- 2		CCP EVAL	SNP	3	319	66	GROSHEV+ GAMMA ENERGY & INTENSITY	
028 NI 062	(N,G)	2.5- 2		CCP EXPT	SNP	5	829	67	BOGDANOV+ GAMMA SPECTRA	
028 NI 062	(N,G)	2.5- 2		RCN EXPT	NP/A	188	535	72	KOPECKY+ GAMMA YIELD	
028 NI 062	(N,G)	5. + 3	2.0+ 5	GER EXPT	NP/A	240	29	75	BEER+ RES. PARAM.	
028 NI 062	(N,G)	2.5- 2		GER EXPT	NP/A	281	365	77	ISHAQ+ GAMMA INTENSITY	
028 NI 062	(N,G)	2.5- 2		GER EXPT	NP/A	338	397	91	ULBIG+ LIFE & PARTIAL RATIO	
028 NI 062	(N,G)	2.0+ 6	4.0+ 6	ATH EXPT	PR/C	24	398	81	PARADELLIS+ LEVELS	
028 NI 062	(P,G)	1.0+ 6	4.4+ 6	AML EXPT	NP/A	496	127	89	TINGWELL+ SIGMA CURVE	
028 NI 062	(P,G)	1.9+ 6	2.4+ 6	EXPT	NP/A	348	1	80	ERLANDSSON+ 3CRYST.PAIR SPECT.	
028 NI 062	(P,G)	3.8+ 6	3.9+ 6	EXPT	PR/C	19	38	79	VOULVOPOULOS+ GAM.SPECT.,RES.	
028 NI 062	(P,G)	1.5+ 6	3.0+ 6	EXPT	SNP	36	163	82	NEMASHKALO+ STRENGTH FUNCTION	
028 NI 062	(P,G)	2.5+ 6		EXPT	PR/C	9	237	74	RAMAVATARAM+ GAMMA ENERGIES	
028 NI 062	(P,G)	0. + 0	4.2+ 6	CAN EXPT	IZV	44	1027	80	NEMASHKALO+ TRANST. WIDTH	
028 NI 062	(P,G)	1.2+ 6	1.7+ 6	NED EXPT	NP/A	454	48	86	ESCH+ CU-63 RESONANCE	
028 NI 062	(A,G)	5.1+ 6	8.6+ 6	EXPT	NP/A	331	180	79	ZYSKIND+ ABSOL.-SIGMA	
028 NI 063	(N,G)	2.5- 2		CCP EVAL	SNP	4	558	67	GROSHEV+ LEVEL STRUCTURE	
028 NI 063	(N,G)	PILE		ISL EXPT	NIM	105	557	72	MOREH+ GAMMA ENERGY/Q-VALUE	
028 NI 063	(N,G)	2.5- 2		ANL EXPT	PR/C	11	1477	75	WILSON+ N-CAPT GAMMA	
028 NI 064	(G,P)	2.4+ 7		CCP THEO	SNP	18	21	74	TERTYCHNYI+ PROTON SPECTRA	
028 NI 064	(G,P)	1.4+ 7	1.7+ 7	CCP EXPT	SNP	21	590	75	RATNER REACTION YIELD	
028 NI 064	(G,X)	4.5+ 9		CCP EXPT	SNP	41	533	85	ARAKELYAN+ NA-24 PRODUCTION SIGMA	+
028 NI 064	(E,ELASTIC)	2.3+ 8		CCP EXPT	SNP	10	122	69	KHVAISTUNOV+ DIFF.SIGMA CURVE	+
028 NI 064	(E,INELASTIC)	1.5+ 8	2.0+ 8	CCP EXPT	SNP	9	274	69	GUL'KAROV+ DOUBL.DIFF.SIGMA CURVE	+
028 NI 064	(E,INELASTIC)	1.5+ 8	3.6+ 8	CLU EXPT	PR/C	37	1870	88	BRAUNSTEIN+ LEVEL SCHEME	
028 NI 064	(E,SCATTERING)	2.3+ 8		CCP EXPT	NP/A	146	15	70	KHVAISTUNOV+ DIFF.SIGMA TABLE	+
028 NI 064	(E,X)	1.5+ 8	2.3+ 8	CCP EVAL	SNP	10	18	70	AFANAS'EV+ FORM FACTOR	
028 NI 064	(N,G)	2. + 5	2.0+ 6	USA EXPT	PR	140	B1277	65	CRENCH SIGMA TABLE	+
028 NI 064	(N,G)	2.0+ 4	4.0+ 4	KFK EXPT	NSE	87	48	84	WISSHAK+ MAXWEL.AV.SIGMA TABLE	+
028 NI 064	(N,G)	2.5- 2		CCP EVAL	SNP	3	319	66	GROSHEV+ GAMMA ENERGY & INTENSITY	
028 NI 064	(N,G)	2.5- 2		BNL EXPT	PR/C	6	1650	72	COCHAVI+ GAMMA TRANSITION	
028 NI 064	(N,G)	5. + 3	2.0+ 5	GER EXPT	NP/A	240	29	75	BEER+ RES. PARAM.	
028 NI 064	(N,G)	2.5- 2		CAN EXPT	NP/A	281	365	77	ISHAQ+ GAMMA INTENSITY	
028 NI 064	(P,G)	1.5+ 6	3.0+ 6	KFT EXPT	SNP	37	1	83	NEMASHKALO+ PARTIAL SIGMA	
028 NI 064	(P,G)	1.0+ 6	3.5+ 6	AML EXPT	AJP	36	463	83	SEVIOR+ SIGMA CURV	
028 NI 064	(P,G)	2.1+ 6	2.6+ 6	EXPT	ZP/A	293	43	79	ERLANDSSON+ GAM-INTENSITY	
028 NI 064	(P,G)	0. + 0	4.2+ 6	EXPT	IZV	44	1027	80	NEMASHKALO+ TRANST. WIDTH	
028 NI 064	(A,G)	4.5+ 6	7.5+ 6	EXPT	NP/A	331	180	79	ZYSKIND+ ABSOL.-SIGMA	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
(G,A)	ED	2.1+	7 3.0+	7 YUG EXPT	NP	43	170	63	KREGAR+ 90DEG.ALPHA SPECTRA	
(G,A)	ED		3.3+ 7	7 GER EXPT	NP/A	56	113	64	SCHERER+ ALPHA SPECTRUM	
(G,A)	ED		3.5+	7 ITY EXPT	NP/A	61	316	65	MENEGHETTI+ ALPHA SPECTRUM	
(G,A)	YD	2.2+ 7		7 USA EXPT	PR	111	561	58	ELAINE+ RELATIV.YIELD	
(G,ABSORPTION)	CS	6.4+ 6		7 ISL EXPT	NP/A	252	423	75	MOREH+ ATTENUAT. COEFF.	+
(G,ABSORPTION)	CS	3.2+ 4	1.5+	5 IND EXPT	CJP	59	22	81	PUTTASWAMY+ TOT.ATTENUAT.SIGMA	+
(G,ABSORPTION)	CS	5.0+ 3	1.5+	5 IND EXPT	CJP	59	853	81	PUTTASWAMY+ K-SHELL PHOTOELECTRIC	+
(G,ABSORPTION)	CS	2.4+ 8	3.3+ 8	8 SAC EXPT	NP/A	431	573	84	CARLOS+ 2PT. SIGMA PLOT	+
(G,D)	YD	2.4+ 7	4.0+ 7	7 PEN EXPT	PR	134	B113	64	SHANNON+ D/P YIELD RATIO	
(G,D)	YD	2.0+ 7	8.0+ 7	7 CCP EXPT	SNP	3	198	66	VOLKOV+ REACTION YIELD	
(G,E)	CS	3.2+ 5		7 IND EXPT	CJP	55	1592	77	RANGANATHALAH+ K-SHELL PHOTOSIGMA	+
(G,ELASTIC)	AD	1.1+ 7	1.3+ 7	7 IND EXPT	NP/A	149	49	70	BASAVARAJU+ DIFF. SIGMA VALUE	+
(G,ELASTIC)	CS	1.2+ 6	1.3+ 6	6 CAN EXPT	CJP	40	622	62	STANDING CO-60 G-SOURCE SIGMA TBL	+
(G,F)	CS	3.0+ 8	9.0+ 8	8 SWD EXPT	NP/A	167	97	71	METHASIRI+ SIGMA PLOT & TABLE	+
(G,F)	CS	5.8+ 8		7 CAN EXPT	ZP/A	279	331	76	KIELY+ FISSION SIGMA VALUE	+
(G,G)		3.4+ 5	1.4+ 6	6 AML EXPT	NIM A255	75	87	87	CHIATTANAGORN+	+
(G,G)		3.4+ 5	1.4+ 6	6 AML EXPT	NIM A255	75	87	87	CHIATTANAGORN+	+
(G,G)	AD	2.8+ 5	1.3+ 6	6 IND EXPT	NP/A	57	547	64	NATH+ DIFF. SIGMA PLOT	+
(G,G)	AD	4.7+ 5		7 IDF EXPT	PR/C	24	1765	81	BARROS+ RAYLEIGH DIFF. SCAT. SIGMA	+
(G,G)	CS	2.8+ 5	6.6+ 5	5 SAF EXPT	NP/A	80	93	66	ANAND+ SIGMA CURVE	+
(G,G)	XX	1.3+ 6		6 SAF EXPT	PR	129	361	63	MOUTON+ NUCL. RESONANT SCATT.	+
(G,G)	YD	6.1+ 6	8.5+ 6	6 ITY EXPT	NP/A	101	145	67	GIANNINI+ LEVEL WIDTH	+
(G,INELASTIC)	AD	1.5+ 7	3.5+ 7	7 USA EXPT	PR	116	120	59	PINFOLD+ 135DEG. DIFF. SIGMA CURVE	+
(G,INELASTIC)	ED	6.2+ 9		7 GER EXPT	ZP	212	235	68	BRANDES 2ND PHOTON SPECTRUM	
(G,MESON)	YD	1.2+ 9		7 COR EXPT	PR	133	B1200	64	SADOFF+ MESON PHOTOPRODUCTION	
(G,N)	AD	2.2+ 7		7 SAS EXPT	CJP	39	1158	61	BAKER+ ANGL. DIFF. SIGMA	+
(G,N)	AD	NDG		7 GER THEO	ZP	179	256	64	HEISS+ DIFF. SIGMA	+
(G,N)	CS	2.0+ 7		7 SAC EXPT	NP	32	236	62	MILLER+ INTEGRAT. SIGMA VALUE	+
(G,N)	CS	1.0+ 7	2.8+ 7	7 LRL EXPT	PR	133	B1149	64	FULTZ+ SIGMA CURVE/INTEG. SIGMA	+
(G,N)	CS	1.0+ 7	3.1+ 7	7 ITY EXPT	NP/A	67	178	65	BACIU+ SIGMA TABLE	+
(G,N)	ED	7.0+ 7		7 CAN EXPT	CJP	33	785	55	DIXON ENERGY & ANGL. DISTRIBUTION	
(G,N)	ED	7.0+ 8	1.2+ 9	9 CCP EXPT	SNP	13	265	71	ANTUF'EV+ DEUTERON SPECT.	+
(G,N)	YD	2.5- 2	1.0+ 4	4 YAL EXPT	PR	137	B1175	65	WASSON+ GAMMA INTENSITY	+
(G,P)	AD		4.0+ 8	8 SWD EXPT	ZP	265	1	73	DOUGAN+ DIFF. SIGMA TABLE	+
(G,P)	CS	1.8+ 7		7 SWD EXPT	ZP/A	272	77	75	WENE SIGMA PLOT	+
(G,P)	CS		3.0+ 8	8 EXPT	PR/C	25	2269	82	SCHUMACHER+	+
(G,P)	DD	4.0+ 7	4.0+ 8	8 QRL THEO	PR/C	13	240	76	GABRIEL PHOTOPROTON SIGMA	
(G,P)	ED	7.0+ 7		7 CAN EXPT	CJP	34	1480	56	DAWSON ENERGY & ANGL. DISTRIBUTION	
(G,P)	ED	7.0+ 8	1.2+ 9	9 CCP EXPT	SNP	13	265	71	ANTUF'EV+ DEUTERON SPECT.	+
(G,P)	ED	4.0+ 8		7 SWD THEO	ZP	269	105	74	DOUGAN+ CAL. SIGMA CURVE	+
(G,P)	XX		3.4+ 8	8 MIT EXPT	PR	99	1621	55	WEINSTEIN+ P-P COINCIDENCE	
(G,PION +)	AD	5.5+ 8		7 STF EXPT	PR	105	1840	57	WILLIAMS+ Z-DEPEND. OF PION PRODUCT	+
(G,PION +)	YD		3.4+ 8	8 LRL EXPT	PR	108	1040	57	IMHOFF+ POSITV. PION PRODUCT.	+
(G,PION)	CS	1.0+ 9		7 COR EXPT	PR	123	1423	61	MCCLELLAND CHARGED MESON PRODUCT.	+
(G,PION)	CS	5.0+ 8		7 CCP EXPT	SNP	14	20	72	GRISHAEV+ SIGMA TBL	+
(G,PION)	YD	1.7+ 8		7 USA EXPT	PR	127	1772	62	SCHRACK+ MESON PRODUCTION	+
(G,PION)	AD	3.0+ 8	4.5+ 8	8 CCP EXPT	SNP	53	379	91	BLEUDSOV+ DIFF. SIGMA TABLE	+
(G,SCATTERING)	AD	1.4+ 5		7 IND EXPT	NIM	131	163	75	ROY+ COHERENT SCATT. SIGMA CURVE	+
(G,SCATTERING)	CS	5. + 5	3.0+ 6	6 MIT EXPT	PR	100	192	55	BURKHARDT 90DEG. SIGMA CURVE	+
(G,SCATTERING)	CS	5.0+ 7	1.3+ 8	8 MIT EXPT	PR	105	982	57	PUGH+ SIGMA CURVE	+
(G,SCATTERING)	CS	3.0+ 5	1.3+ 6	6 IND THEO	NSE	85	426	83	UMESH+ INCOHERENT SCATT. SIGMA TBL	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
029 CU 000	(G,TOTAL)	6.6+	8	NBS EXPT	PR	115	351	59	TITUS TOT.PHOTOELECTRIC SIGMA	+
029 CU 000	(G,TOTAL)	3.0+	4	IND EVAL	NSE	51	337	73	RAMANA+ SIGMA CURVE	+
029 CU 000	(G,X)	3.0+	8	CCP EVAL	SNP	44	364	86	AVAKYAN+ PRODUCT YIELD SIGMA	+
029 CU 000	(G,X)	4.5+	8	USA THEO	NP	27	234	61	HO+ YIELD RATIO,(G,D)/(G,P)	
029 CU 000	(G,X)	8.0+	8	SWD EXPT	ZP/A	281	47	77	JAERUND+ RECOIL ENERG. OF FRAGMENT	
029 CU 000	(E,ABSORPTION) XX	3.4+	6	UI EXPT	PR	115	633	59	HALL+ ENERGY LOSS	
029 CU 000	(E,ABSORPTION) XX	5.3+	7	USA EXPT	ZP	271	69	74	BUSKIRK+ MOST PROBABLE ENERGY LOSS	
029 CU 000	(E,ABSORPTION) YD	NDG		GER EXPT	ZP	247	51	71	TEGEDER+ PHOTOIONIZATION	+
029 CU 000	(E,INELASTIC) AD	1.2+	9	CCP EXPT	SNP	19	240	74	TITOV+ DIFF.SIGMA CURVE	
029 CU 000	(E,INELASTIC) XX	5.0+	7	USA EXPT	PR/C	9	1418	74	O'BRIEN+ IONIZATION LOSS	+
029 CU 000	(E,N)	1.0+	7	STF EXPT	PR	116	1551	59	BARBER+ NEUTRON YIELD	+
029 CU 000	(E,P)	1.1+	12	HRV EXPT	PR	135	81030	64	CHEN+ DIFF.SIGMA TBL	+
029 CU 000	(E,SCATTERING) AD	1.5+	7	MIT THEO	PR	98	1360	55	GLASSGOLD CAL.SIGMA CURVE	+
029 CU 000	(E,SCATTERING) ED	1.1+	6	GER EXPT	ZP	196	285	66	BRAUNSCHEWIG+ 30DEG.SCATT.	+
029 CU 000	(E,SCATTERING) YD	NDG		GER THEO	ZP	179	116	64	THUEMEL BACKSCATT.SIGMA	+
029 CU 000	(E,X)	5.8+	6	GER EXPT	ZP	239	437	70	FEIST+ PAIR PRODUCT.SIGMA	+
029 CU 000	(E,X)	5.5+	6	GER THEO	ZP	215	1	68	LOENS PAIR PRODUCT.SIGMA	+
029 CU 000	(N,G)	PILE		USA EXPT	NSE	7	184	60	DONAHUE+ SIGMA VALUE	+
029 CU 000	(N,G)	1.4+	7	YUG EXPT	NP/A	158	251	70	CVELBAR+ ACTIVATION SIGMA	+
029 CU 000	(N,G)	2.5-	2	DDR EXPT	NP/A	71	221	65	RUDOLPH+ GAMMA INTENSITY	+
029 CU 000	(N,G)	2.5-	2	CSR EXPT	NP/A	68	449	65	KOPECKY+ POLARIZATION OF GAMMA	+
029 CU 000	(N,G)	2.0+	2	GEL EXPT	ZP	213	411	68	WEIGMANN+ RES.PARAMETER	+
029 CU 000	(N,G)	7.0+	2	SAC EXPT	NP/A	135	241	69	ALVES+ GAMMA INTENSITY	+
029 CU 000	(P,G)	1.5+	6	SWD EXPT	ZP	266	245	74	AKSELSSON+ K X-RAY YIELD	+
029 CU 063	(G,A)	2.3+	7	CCP EXPT	SNP	53	9	91	ANTONOV+ INTEGRAT.SIGMA VALUE	+
029 CU 063	(G,DISINTEGR.) CS	1.2+	7	UI EXPT	PR	100	209	55	SCOTT+ SIGMA CURVE	+
029 CU 063	(G,G)	1.5+	6	BAR EXPT	PR/C	13	1104	76	SWANN CU-63 LEVELS	
029 CU 063	(G,G)	6.7+	5	BNL EXPT	PR	120	2128	60	CUMMING+ LEVEL LIFETIME	
029 CU 063	(G,G)	5.1+	5	USA EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	
029 CU 063	(G,G)	8.1+	5	USA EXPT	NP/A	116	281	68	ALSTON+ TRANSITION STRENGTH	+
029 CU 063	(G,N)	4.4+	5	AUL EXPT	NP	23	468	61	COOTE+ SIGMA VALUE	+
029 CU 063	(G,N)	2.1+	7	PEN EXPT	PR	126	709	62	BIANCO+ ACTIVATION SIGMA VALUE	+
029 CU 063	(G,N)	1.0+	7	LRL EXPT	PR	133	81149	64	FULTZ+ SIGMA CURVE/INTEG.SIGMA	+
029 CU 063	(G,N)	1.0+	7	USA EXPT	PR	176	1366	68	SUND+ SIGMA MEASURED	+
029 CU 063	(G,N)	1.1+	7	AUL EXPT	NP/A	122	177	68	OWEN+ SIGMA CURVE	+
029 CU 063	(G,N)	9.1+	6	GER EXPT	NP/A	181	477	72	DREYER+ SIGMA CURVE,INTEGRAT.SIGMA	+
029 CU 063	(G,N)	NDG		BZL EVAL	NP/A	244	205	75	WOLYNEC+ PHOTO./ELECTRODISINT.	+
029 CU 063	(G,N)	1.2+	7	USA EXPT	YF	30	294	79	LZHLAVJAN+ MONO.GAM./2CRY.SCIN	+
029 CU 063	(G,N)	2.2+	7	USA EXPT	PR	111	1297	58	BENDEL+ THRESHOLD ENERGY	+
029 CU 063	(G,N)	2.5+	7	USA EXPT	PR	115	420	59	PENFOLD+ REACTION ENERGY	+
029 CU 063	(G,P)	4.5+	9	CCP EXPT	NP/A	367	429	81	ALAVAKYAN+ DIFF.SIGMA CURVE	+
029 CU 063	(G,P)	1.8+	7	SWD EXPT	ZP/A	272	77	75	WENE SIGMA PLOT	+
029 CU 063	(G,PN)	1.6+	7	USA EXPT	PR	176	1366	68	SUND+ SIGMA MEASURED	+
029 CU 063	(G,X)	5.5+	7	MRY THEO	PR/C	16	1812	77	WU+ PRE-EQUILIBRIUM ANALYSES	+
029 CU 063	(G,X)	4.5+	9	CCP EXPT	SNP	49	573	89	ARAKELIAN+ DEDUCED PRODUCT.SIGMA	+
029 CU 063	(G,X)	3.0+	8	CCP EXPT	SNP	19	484	74	NOGA+ PHOTO/ELECTRODISINT. RATIO	+
029 CU 063	(G,X)	3.0+	7	USA EXPT	NP/A	110	463	68	RITTER+ YIELD CURVE	+
029 CU 063	(G,2N)	1.9+	7	USA EXPT	PR	176	1366	68	SUND+ SIGMA MEASURED	+

ELEMENT Z S A	QUANTITY	ENERGY(CEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
029 CU 063	(G-2N)	1.6+	7 3.9+	7 BZL EXPT	PR/C	11	1083	75 WOLYNEC+ SIGMA RATIO	
029 CU 063	(E-A)	1.0+	8	SAS EXPT	PR/C	18	736	78 MURPHY+ ELECTRO ALPHA PRODUCTION	+
029 CU 063	(E-DISINTEGR.)	1.2+	7 2.2+	7 UI EXPT	PR	100	209	55 SCOTT+ SIGMA CURVE	+
029 CU 063	(E-DISINTEGR.)	3.0+	7 8.2+	7 USA EXPT	PR	105	1534	57 HINES F VALUE CURVE	
029 CU 063	(E-INELASTIC)	2.0+	7 3.0+	7 GER EXPT	NP/A	195	559	72 KUHL+ SIGMA CURVE	+
029 CU 063	(E-INELASTIC)	NDG		GER EVAL	ZP/A	281	35	77 KNEISSL+ SIGMA CURVE COMPARE.CAL.	+
029 CU 063	(E-INELASTIC)	1.8+	8 6.0+	8 STF EXPT	PR	130	245	63 KENDALL+ FORM FACTOR	
029 CU 063	(E-INELASTIC)	1.0+	8 2.2+	8 TOH EXPT	PR/C	33	1917	86 KAWAZOE+ ELECTROEXCIT. OF GMR	
029 CU 063	(E-P)	1.1+	7 2.8+	7 TOH EXPT	NP/A	457	109	86 MIYASE+ ANGULAR DIST. CURVE	+
029 CU 063	(E-SCATTERING)	7.0+	7 1.5+	8 SAS EXPT	CJP	66	182	88 RANGACHARYULU+ FORM FACTOR	
029 CU 063	(E-X)	NDG		BZL EVAL	NP/A	244	205	75 WOLYNEC+ X-EN.PHOTO./ELECTRODISINT	
029 CU 063	(E-X)	2.7+	7	USA EXPT	PR	139	8562	65 HERRING+ SIGMA RATIO	
029 CU 063	(E-X)	3.0+	8 1.2+	9 CCP EXPT	SNP	19	484	74 NOGA+ PHOTO/ELECTRODISINT. RATIO	
029 CU 063	(E-2N)	1.6+	7 3.9+	7 BZL EXPT	PR/C	11	1083	75 WOLYNEC+ SIGMA RATIO	
029 CU 063	(N-G)	1.4+	7 3.4+	7 EXPT	PR/C	26	1936	82 MARTINS+	
029 CU 063	(N-G)	2.5+	4	BLG EXPT	NP	9	569	58 VERVIER SB-BE SOURCE,SIGMA TBL	+
029 CU 063	(N-G)	2.5-	2	LAS EXPT	PR	169	940	68 SHERA+ PARTIAL SIGMA TBL	+
029 CU 063	(N-G)	PILE		ANL EXPT	PR	123	629	61 TOIT+ LIFETIME OF LEVEL	
029 CU 063	(N-G)	NDG		CCP EXPT	NIM	22	125	63 SUMBAYEV+ GAMMA INTENSITY	
029 CU 063	(N-G)	2.5-	2	CRC EXPT	NP/A	50	209	64 BARTHOLOMEW+ LEVEL SPIN	
029 CU 063	(N-G)	2.5-	2	NED EXPT	NP/A	102	209	67 SPILLING+ Q-VALUE	
029 CU 063	(N-G)	1.0+	4 6.0+	4 AUL EXPT	NP/A	111	1	68 ALLEN GAMMA INTENSITY	
029 CU 063	(N-G)	2.5-	2	DEN EXPT	NP/A	127	385	69 KOPECKY+ LEVEL SPIN	
029 CU 063	(N-G)	5.8+	2 2.7+	3 LAS EXPT	PR/C	1	1468	70 STEIN+ GAMMA-RAY SPECTRA	
029 CU 063	(N-G)	5.+	3 5.+	5 ALB EXPT	PR/C	15	615	77 PANDEY+ RES. PARAM.	+
029 CU 063	(P-G)	8.+	6 2.2+	7 USA EXPT	NP/A	203	257	73 DRAKE+ INTEGRAT.-SIGMA CURVE	+
029 CU 063	(P-G)	1.2+	6 4.6+	6 AML EXTH	AUJ	31	253	78 SWITKOWSKI+ OMP & WIGNER CUP	+
029 CU 063	(P-G)	1.2+	6 2.2+	6 CCP EXPT	UFZ	28	332	83 NEMASHKALO+	
029 CU 063	(P-G)	1.1+	6 4.7+	6 AML EXPT	AJP	36	463	83 SEVIOR+ SIGMA CURV	
029 CU 063	(P-G)	NDG		CCP EXPT	SNP	52	586	90 KUPTSOV+ PARTIAL SIGMA CURVE	+
029 CU 063	(P-G)	2.1+	6 3.1+	6 EXPT	NP/A	343	197	80 ERLANDSSON+ STRENGTH FUNCT.	
029 CU 063	(P-G)	6.5+	6 1.1+	7 GER EXPT	ZP/A	325	55	86 SZEFLINSKI+ SPECTROSCOPIC DATA	
029 CU 063	(P-G)	2.3+	6 2.7+	6 USA EXPT	NP/A	233	9	74 WIMPEY+ RESONANCE WIDTH	
029 CU 065	(G-A)	2.5+	7	CCP EXPT	SNP	51	193	90 ANTONOV+ INTEGRAT.SIGMA	+
029 CU 065	(G-G)	1.5+	6 4.7+	6 BAR EXPT	PR/C	13	1104	76 SWANN CU-65 LEVELS	
029 CU 065	(G-G)	1.1+	6	ANL EXPT	PR	135	B577	64 BEARD RES.FLUORESC.	
029 CU 065	(G-G)	5.+	3 3.0+	6 USA EXPT	NP/A	57	403	64 BOOTH+ RESONANCE FLUORESCENCE	
029 CU 065	(G-G)	1.1+	6	USA EXPT	PR	171	1257	68 MEITZER RESONANCE FLUORESC.	
029 CU 065	(G-G)	6.4+	6 7.9+	6 ISL EXPT	NP/A	227	373	74 WOLF+ RES. PARAM.	
029 CU 065	(G-N)	4.4+	5 1.8+	7 AUL EXPT	NP	23	468	61 COOTE+ SIGMA VALUE	+
029 CU 065	(G-N)	1.0+	7 2.8+	7 LRL EXPT	PR	133	B1149	64 FULTZ+ SIGMA CURVE/INTEG.SIGMA	+
029 CU 065	(G-N)	1.6+	7 3.9+	7 BZL EXPT	PR/C	11	1083	75 WOLYNEC+ SIGMA RATIO	
029 CU 065	(G-N)	2.2+	7	USA EXPT	PR	111	1297	58 BENDEL+ THRESHOLD ENERGY	
029 CU 065	(G-PION +)	1.2+	9	SWD EXPT	NP/A	162	193	71 BLONGVIST+ PI+ PRODUCT.SIGMA CURV	+
029 CU 065	(G-PION +)	4.5+	9	CCP EXPT	SNP	51	997	90 ARAKELIAN+ RELATIV.YIELD	
029 CU 065	(G-X)	4.5+	9	CCP EXPT	SNP	49	573	89 ARAKELIAN+ SPALLAT.PRODUCT.SIGMA	+
029 CU 065	(G-X)	3.0+	8 1.2+	9 CCP EXPT	SNP	19	484	74 NOGA+ PHOTO/ELECTRODISINT. RATIO	
029 CU 065	(G-X)	4.5+	9	CCP EXPT	SNP	52	773	90 ARAKELIAN+ PHOTOSPALLATION	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
029 CU 065	(G,3N)	2.9+	7 1.1+	8 UK	PR	117	1111	60 AITKEN+ ACTIVITY RATIO	
029 CU 065	(E,A)	1.4+	7 3.4+	7 EXPT	PR/C	26	1936	82 MARTINS+	
029 CU 065	(E,E)	1.0+	6 3.7+	7 EXPT	SNP	46	29	87 SAVITSKII+	
029 CU 065	(E,INELASTIC)	1.2+	8	7 UFT EXPT	SNP	26	1	77 POLISHCHUK+ INELASTIC FORM FACTOR	
029 CU 065	(E,N)	1.6+	7 3.9+	7 BZL EXPT	PR/C	11	1083	75 WOLYNEC+ SIGMA RATIO	
029 CU 065	(E,P)	1.1+	7 2.8+	7 TOH EXPT	NP/A	457	109	86 MIYASE+ ANGULAR DIST. CURVE	+
029 CU 065	(E,P)	1.3+	7 2.8+	7 TOH EXPT	PRL	50	821	83 MIYASE+ PROTON-ANG. DIST. CURVE	
029 CU 065	(E,SCATTERING)	7.0+	7 1.5+	8 SAS EXPT	CJP	66	182	88 RANGACHARYULU+ FORM FACTOR	
029 CU 065	(E,X)	3.0+	8 1.2+	9 CCP EXPT	SNP	19	484	74 NOGA+ PHOTO/ELECTRODISINT. RATIO	
029 CU 065	(N,X)	2.5+	4	BLG EXPT	NP	9	569	58 VERVIER+ SB-BE SOURCE-SIGMA TBL	+
029 CU 065	(N,G)	2.5-	2	LAS EXPT	PR	169	940	68 SHERA+ PARTIAL SIGMA TBL	+
029 CU 065	(N,G)	NDG		CCP EXPT	NIM	22	125	63 SUMBAYEV+ GAMMA INTENSITY	
029 CU 065	(N,G)	1.0+	4 6.0+	4 AUL EXPT	NP/A	111	1	68 ALLEN+ GAMMA INTENSITY	
029 CU 065	(N,G)	5.8+	2 2.7+	3 LAS EXPT	PR/C	1	1468	70 STEIN+ GAMMA-RAY SPECTRA	
029 CU 065	(N,G)	5.	3 5.	5 ALB EXPT	PR/C	15	615	77 PANDEY+ RES. PARAM.	
029 CU 065	(P,A)	1.1+	6 3.6+	6 AML EXPT	PR/C	17	392	78 SWITKOWSKI+ WIGNER CUPS	+
029 CU 065	(P,G)	1.1+	6 3.6+	6 AML EXPT	PR/C	17	392	78 SWITKOWSKI+ WIGNER CUPS	+
029 CU 065	(P,G)	1.2+	6 4.6+	6 AML EXTH	AUJ	31	253	78 SWITKOWSKI+ OMP & WIGNER CUP	+
029 CU 065	(P,G)	1.2+	6 2.2+	6 CCP EXPT	UFZ	28	332	83 NEMASHKALO+	
029 CU 065	(P,G)	1.1+	6 3.3+	6 AML EXPT	AJP	36	463	83 SEVIOR+ SIGMA CURV	
029 CU 065	(P,G)	2.1+	6 3.1+	6 EXPT	NP/A	343	197	80 ERLANDSSON+ STRENGTH FUNCT.	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
030 ZN 000	(G,A)	3.1+	7	7 KFK EXPT	NP/A	85	631	66 HOFFMANN+ ALPHA SPECTRUM	+
030 ZN 000	(G,ABSORPTION)	6.4+	6	ISL EXPT	NP/A	252	423	75 MOREH+ ATTENUAT. COEFF.	
030 ZN 000	(G,ABSORPTION)	2.4+	8 3.3+	8 SAC EXPT	NP/A	431	573	84 CARLOS+ 2PT.-SIGMA PLOT	+
030 ZN 000	(G,G)	2.8+	6	GOE EXPT	PR/C	23	1375	81 BERG+ DIFF. SIGMA	+
030 ZN 000	(G,SCATTERING)	6.0+	4	GER EXPT	ZP/A	283	15	77 SCHUMACHER+ RAYLEIGH SCATT. TBL	+
030 ZN 000	(G,T)	9.0+	7	NBS EXPT	NP/A	157	49	70 CURRIE+ INTEGRAT. SIGMA VALUE	+
030 ZN 000	(E,ELASTIC)	1.5+	5 7.5+	5 GER THEO	NP/A	223	423	74 SMEND+ DIFF. SIGMA TBL	+
030 ZN 000	(N,G)	5.	4 1.4+	5 GER EXPT	ZP/A	320	661	85 KOESTER+ SIGMA VALUES	+
030 ZN 064	(G,ABSORPTION)	1.2+	7 2.4+	7 GER THEO	NP/A	91	145	67 ARENHOEVEL+ SIGMA CURVE	+
030 ZN 064	(G,D)	1.6+	7 2.2+	7 BZL EXPT	NP	7	202	58 GOLDBERG+ SIGMA CURVE	+
030 ZN 064	(G,N)	4.4+	5 1.8+	7 AUL EXPT	NP	23	468	61 COOTE+ SIGMA VALUE	+
030 ZN 064	(G,N)	2.1+	7	PEN EXPT	PR	126	709	62 BIANCO+ ACTIVATION SIGMA VALUE	+
030 ZN 064	(G,N)	1.1+	7 2.3+	7 AUL EXPT	NP/A	122	177	68 OWEN+ SIGMA CURVE	+
030 ZN 064	(G,N)	2.0+	7 2.2+	7 CAN EXPT	CJP	51	1302	73 DEL BIANCO+ RELATIV. YIELD	+
030 ZN 064	(G,N)	NDG		BZL EVAL	NP/A	244	205	75 WOLYNEC+ PHOTO./ELECTRODISINT.	
030 ZN 064	(G,N)	1.5+	7 2.6+	7 CCP EXPT	SNP	28	741	78 VERBITSKII+ GDR ANALYSIS	+
030 ZN 064	(G,P)	1.5+	7 2.7+	7 USA EXPT	NP/A	213	358	73 CLARK+ SIGMA CURVE	+
030 ZN 064	(G,XN)	1.2+	7 2.7+	7 CCP EXPT	SNP	20	233	75 ISHKHANOV+ SIGMA CURVE	+
030 ZN 064	(E,A)	1.6+	7 1.0+	8 NBS EXPT	PR/C	24	1952	81 DODGE+ DIFF. SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
030 ZN 064	(E,ELASTIC)) AD	1.5+	8 2.3+	8 CCP EXPT	SNP	12	365 71	AFANAS'EV+ DIFF-SIGMA CURVE	+
030 ZN 064	(E,ELASTIC)) AD	NDG		NBS EXPT	PR/C	5	124 72	NEUHAUSEN+ DIFF-SIGMA TBL	+
030 ZN 064	(E,INELASTIC)) ED	1.4+	8	GER EXPT	ZP/A	331	107 88	DOLBILKIN+ 4PI-INTEG. SPECTRA	
030 ZN 064	(E,INELASTIC)) XX	1.5+	8 2.3+	8 CCP EXPT	SNP	12	480 71	AFANAS'EV+ FORM FACTOR	+
030 ZN 064	(E,P)) DD	1.6+	7 1.0+	8 NBS EXPT	PR/C	24	1952 81	DODGE+ DIFF-SIGMA CURVE	+
030 ZN 064	(E,SCATTERING) AD	2.3+	8	CCP EXPT	SNP	15	611 72	LITVINENKO+ DIFF-SIGMA CURVE	+
030 ZN 064	(E,X)) CS	NDG		BZL EVAL	NP/A	244	205 75	WOLYNEC+ X-EN-PHOTO-/ELECTRODISINT	-
030 ZN 064	(N,G)) CS	2.5+	3 9.0+	5 ALB EXPT	PR/C	23	683 81	GARG+ RES. PARAM.	+
030 ZN 064	(N,G)) CS	5. - 4	1.4+	5 GER EXPT	ZP/A	320	661 85	KOESTER+ SIGMA VALUES	+
030 ZN 064	(N,G)) XX	2.5- 2		CCP EVAL	SNP	4	558 67	GROSHEV+ LEVEL STRUCTURE	+
030 ZN 064	(N,G)) XX	2.5- 2		KFK EXPT	NP/A	107	14 68	SCHAUB+ CIRCULAR POLARIZATION	
030 ZN 064	(N,G)) YD	2.5- 2		CCP EXPT	SNP	11	519 70	BARCHUK+ GAMMA ENERGY & INTENSITY	
030 ZN 064	(P,G))	1.3+	6 4.3+	6 LND EXPT	NP/A	475	207 87	NILSON+ SIGMA TBL	+
030 ZN 064	(P,G)) CS	8. + 6	2.2+	7 QRL EXPT	PR	100	206 55	COHEN INTEGRAT-SIGMA CURVE	+
030 ZN 064	(P,G)) CS	8. + 6	2.2+	7 USA EXPT	NP/A	203	257 73	DRAKE+ RANGACHARYULU+ GAM-DECAY SCHEME	+
030 ZN 064	(P,G)) DD	2.9+	6 3.0+	6 EXPT	CJP	57	733 79	CARVER+ SIGMA CURVE	+
030 ZN 064	(O,G)) CS	3.5+	6 4.5+	6 HAR EXPT	NP	11	400 59	RUDDY+ SIGMA VALUE	+
030 ZN 064	(H,G)) CS	9. + 6	1.6+	7 CAN EXPT	NP/A	127	305 69		
030 ZN 066	(G,D)) CS	1.6+	7 2.2+	7 BZL EXPT	NP	7	202 58	GOLDEMBERG+ SIGMA CURVE	+
030 ZN 066	(G,G)) CS	1.1+	6	CCP EXPT	SNP	5	339 67	BEGZHANOV+ RES-SCATT-SIGMA TBL	+
030 ZN 066	(G,INELASTIC)) YD	7.4+	6	JAE EXPT	NP/A	118	114 68	SHIKAZONO+ RESONANT FLUORESC.	+
030 ZN 066	(G,NP)) CS	5.0+	7 3.0+	8 UI EXPT	PR	139	B554 65	VAN HISE+ INTEGRAT-SIGMA VALUE	+
030 ZN 066	(E,ELASTIC)) AD	1.5+	8 2.3+	8 CCP EXPT	SNP	12	365 71	AFANAS'EV+ DIFF-SIGMA CURVE	+
030 ZN 066	(E,ELASTIC)) AD	NDG		NBS EXPT	PR/C	5	124 72	NEUHAUSEN+ DIFF-SIGMA TBL	+
030 ZN 066	(E,INELASTIC)) XX	1.5+	8 2.3+	8 CCP EXPT	SNP	12	480 71	AFANAS'EV+ FORM FACTOR	+
030 ZN 066	(E,SCATTERING) AD	2.3+	8	CCP EXPT	SNP	15	611 72	LITVINENKO+ DIFF-SIGMA CURVE	+
030 ZN 066	(E,SCATTERING) AD	2.3+	8	CCP EXPT	SNP	18	128 74	LITVINENKO+ ANG-DIFF-SIGMA CURVE	+
030 ZN 066	(N,G)) CS	5. - 4	1.4+	5 GER EXPT	ZP/A	320	661 85	KOESTER+ SIGMA VALUES	+
030 ZN 066	(N,G)) YD	2.5- 2		CCP EXPT	SNP	11	519 70	BARCHUK+ GAMMA ENERGY & INTENSITY	+
030 ZN 066	(P,G)) AD	2.0+	6 4.0+	6 ATH EXPT	PR/C	24	398 81	PARADELLIS+ LEVELS	
030 ZN 066	(P,G)) DD	3.3+	6 3.5+	6 EXPT	CJP	57	733 79	RANGACHARYULU+ GAM-DECAY SCHEME	
030 ZN 067	(N,G)) YD	2.5- 2		CCP EXPT	SNP	11	519 70	BARCHUK+ GAMMA ENERGY & INTENSITY	
030 ZN 067	(N,G)) YD	3.8+	5 ALB EXPT	PR/C	24	1922 81		GARG+ RES. PARAM.	
030 ZN 068	(G,P)) CS	7.5+	7 8.0+	8 SWD EXPT	ZP/A	282	261 77	BUELOW+ SIGMA CURVE	+
030 ZN 068	(G,SCATTERING) YD	7.4+	6	NEG EXPT	JP/G	9	755 83	MOREH+ RES-PARAM. TBL	+
030 ZN 068	(G,XN)) CS	1.1+	7 2.7+	7 CCP EXPT	SNP	20	233 75	ISHKHANOV+ SIGMA CURVE	+
030 ZN 068	(E,ELASTIC)) AD	NDG		NBS EXPT	PR/C	5	124 72	NEUHAUSEN+ DIFF-SIGMA TBL	+
030 ZN 068	(E,SCATTERING) AD	2.3+	8	CCP EXPT	SNP	18	128 74	LITVINENKO+ ANG-DIFF-SIGMA CURVE	+
030 ZN 068	(N,G)) CS	1. + 5	2.5+	6 USA EXPT	NP/A	213	349 73	CLARKE+ ISOMERIC RATIO	
030 ZN 068	(N,G)) CS	3.0+	3 1.3+	5 EXPT	PR/C	25	1808 82	GARG+ GAMMA ENERGY & INTENSITY	
030 ZN 068	(N,G)) YD	2.5- 2		CCP EXPT	SNP	11	519 70	BARCHUK+ GAMMA ENERGY & INTENSITY	
030 ZN 068	(N,G)) YD	2.5- 2		CCP EVAL	SNP	18	246 74	MURZIN+ EXCITED STATES	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
030 ZN 068	(P,G)	2.0+ 6	4.0+ 6	ATH EXPT	PR/C	24	398 81	PARADELLIS+ LEVELS	
030 ZN 068	(P,G)	3.2+ 6	3.8+ 6	EXPT	PR/C	17	1583 78	RAMAVATARAM+ GA-69 RES.	
030 ZN 068	(P,G)	1.7+ 6	5.0+ 6	USA EXTH	PR/C	23	1822 81	ESAT+ ABSOLUTE SIGMA	+
030 ZN 068	(P,G)	2.2+ 6	3.6+ 6	LND EXPT	NP/A	401	460 83	NILSON+ STRENGTH FUNC. TBL	
030 ZN 070	(E,ELASTIC)	NDG		NBS EXPT	PR/C	5	124 72	NEUHAUSEN+ DIFF.SIGMA TBL	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
031 GA 000	(G,N)	1.0+ 7	3.1+ 7	ITY EXPT	NP/A	67	178 65	BACIU+ SIGMA TABLE	+
031 GA 064	(P,G)	3.2+ 6	3.3+ 6	EXPT	CJP	60	815 82	RANGACHARYNLN+	
031 GA 066	(P,G)	1.5+ 6	3.0+ 6	EXPT	YF	36	561 82	NEMASHKALO+	
031 GA 068	(P,G)	1.5+ 6	3.0+ 6	EXPT	YF	36	561 82	NEMASHKALO+	
031 GA 069	(G,G)	5.7+ 5	1.1+ 6	GER EXPT	NP/A	111	225 68	LANGHOFF+ LEVEL PARAMETER	
031 GA 069	(G,G)	8. + 5	3.0+ 6	USA EXPT	NP/A	116	281 68	ALSTON+ TRANSITION STRENGTH	
031 GA 069	(G,G)	5.7+ 5	2.0+ 6	USA EXPT	PR/C	7	1490 73	ARNOLD+ RES.FLUORESCENCE WIDTH	
031 GA 069	(G,X)	7.0+ 7		USA EXPT	PR	113	1095 59	SCHUPP+ INTEGRATED SIGMA	+
031 GA 070	(N,G)	2.5- 2		BLG EXPT	PR/C	3	1570 71	VERVIER+ GAMMA INTENSITY	
031 GA 071	(G,A)	2.3+ 7		CCP EXPT	SNP	53	9 91	ANTONOV+ INTEGRAT.SIGMA VALUE	+
031 GA 071	(G,G)	9.1+ 5	2.1+ 6	USA EXPT	PR/C	7	1490 73	ARNOLD+ RES.FLUORESCENCE WIDTH	
031 GA 071	(G,X)	7.0+ 7		USA EXPT	PR	113	1095 59	SCHUPP+ INTEGRATED SIGMA	+
031 GA 071	(H,G)	3. + 6	3.3+ 7	USA EXPT	NP/A	102	161 67	CARLSON+ SIGMA VALUE	+
031 GA 072	(N,G)	2.5- 2		BLG EXPT	PR/C	3	1570 71	VERVIER+ GAMMA INTENSITY	

ELEMENT Z S A	QUANTITY	ENERGY(CEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
032 GE 000	(G-A)	3.3+ 7		GER EXPT	NP/A	118	25	KRAFT+ ALPHA SPECTRA	
032 GE 000	(G-ABSORPTION) CS	6.4+ 6		ISL EXPT	NP/A	252	423	MOREH+ ATTENUAT. COEFF.	+
032 GE 000	(E-ABSORPTION) XX	NDG		GER EXPT	ZP	218	352	MEYER-EHMSEN+ ABSORPT. BY CRYSTAL	
032 GE 000	(E-SCATTERING) ED	NDG		GER EXPT	ZP	171	436	CREUZBURG+ SCATT. BY CRYSTAL	
032 GE 000	(E-SCATTERING) YD	2.0+ 4	6.0+ 4	GER EXPT	ZP	184	271	BRUENGER+ DIFF. SIGMA	
032 GE 000	(E-X)	5.0+ 4		GER EXPT	ZP	193	471	ZEPPENFELD+ ENERGY-LOSS SPECTRUM	
032 GE 000	(N-G)	NDG		GER EXPT	ZP	251	105	WEISHAUP+ GAMMA INTENSITY	
032 GE 070	(G-D)			ITY EXPT	NP	15	436	FERRERO+ SIGMA CURVE	+
032 GE 070	(G-N)			ITY EXPT	NP	15	436	FERRERO+ SIGMA CURVE	+
032 GE 070	(G-N)	9. + 6	4.0+ 7	IOU EXPT	PR/C	11	772	MCCARTHY+ SIGMA CURVE & TBL	+
032 GE 070	(G-NP)			ITY EXPT	NP	15	436	FERRERO+ SIGMA CURVE	+
032 GE 070	(G-NP)	9.0+ 6	4.0+ 7	USA EXPT	NP/A	213	371	MCCARTHY+ SIGMA CURVE	+
032 GE 070	(G-X)			ITY EXPT	NP	15	436	FERRERO+ X-T+N-SIGMA CURVE	+
032 GE 070	(E-ELASTIC)	2.3+ 8		CCP EXPT	SNP	51	17	KHONICH+ DIFF. SIGMA TABLE	+
032 GE 070	(E-SCATTERING) AD	8.4+ 7	1.2+ 8	UMA EXPT	NP/A	255	435	KLIN+ SIGMA TABLE	+
032 GE 070	(N-G)	2.5- 2		CCP EVAL	SNP	18	246	MURZIN+ EXCITED STATES	+
032 GE 070	(P-G)	6.2+ 6	8.0+ 6	EXPT	NP/A	323	253	SZEFLINSKA+ E1-GAM STRENG. FUNCT	
032 GE 072	(G-G)	8.4+ 5		USA EXPT	PR	101	286	METZGER RESONANCE FLUORESCENCE	
032 GE 072	(G-N)	9. + 6	4.0+ 7	IOU EXPT	PR/C	11	772	MCCARTHY+ SIGMA CURVE & TBL	+
032 GE 072	(G-NP)	9.0+ 6	4.0+ 7	USA EXPT	NP/A	213	371	MCCARTHY+ SIGMA CURVE	+
032 GE 072	(E-ELASTIC)	2.3+ 8		CCP EXPT	SNP	51	17	KHONICH+ DIFF. SIGMA TABLE	+
032 GE 072	(E-SCATTERING) AD	8.4+ 7	1.2+ 8	UMA EXPT	NP/A	255	435	KLIN+ SIGMA TABLE	+
032 GE 072	(P-G)	6.2+ 6	8.0+ 6	EXPT	NP/A	323	253	SZEFLINSKA+ E1-GAM STRENG. FUNCT	
032 GE 073	(G-N)			USA EXPT	PR	110	1388	TOBIN+ PHOTONEUTRON THRESHOLD	
032 GE 073	(N-G)	PILE		KFK EXPT	ZP	192	423	WEITKAMP+ GE-74 LEVEL	
032 GE 073	(N-G)	2.5- 2		ANL EXPT	PR	183	927	MAGRUDER+ GE-74 LEVEL	
032 GE 073	(N-G)			BNL EXPT	PR/C	9	1839	CHRIEN+ GE-74 LEVELS	
032 GE 074	(G-G)	6.0+ 5		USA EXPT	PR	101	286	METZGER RESONANCE FLUORESCENCE	
032 GE 074	(G-G)	6.0+ 5	6.0+ 6	ISL EXPT	PR/C	2	2217	MOREH+ GE-74 LEVEL	
032 GE 074	(G-N)	9. + 6	4.0+ 7	IOU EXPT	PR/C	11	772	MCCARTHY+ SIGMA CURVE & TBL	+
032 GE 074	(G-NP)	9.0+ 6	4.0+ 7	USA EXPT	NP/A	213	371	MCCARTHY+ SIGMA CURVE	+
032 GE 074	(G-P)	9.0+ 6	4.0+ 7	USA EXPT	NP/A	213	371	MCCARTHY+ SIGMA CURVE	+
032 GE 074	(E-ELASTIC)	2.3+ 8		CCP EXPT	SNP	51	17	KHONICH+ DIFF. SIGMA TABLE	+
032 GE 074	(E-ELASTIC)	2.5- 2		BNL EXPT	PR	108	766	DER MATEOSIAN+ ACTIVAT. SIGMA	+
032 GE 074	(N-G)	2.5+ 4		IND EXPT	PR/C	6	572	LAKSHMANA+ ISOMERIC SIGMA	+
032 GE 074	(N-G)	NDG		CAN EVAL	CJP	50	1978	RICABARRA+ RES-INTEGRAL	+
032 GE 074	(P-G)	6.2+ 6	8.0+ 6	EXPT	NP/A	323	253	SZEFLINSKA+ E1-GAM STRENG. FUNCT	
032 GE 074	(P-G)	2.5+ 6		CHF EXPT	PR/C	9	1396	WANG+ AS-75 LEVELS	
032 GE 076	(G-A)	2.5+ 7		CCP EXPT	SNP	51	193	ANTONOV+ INTEGRAT. SIGMA	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
032 GE 076	(G,A)	2.3+	7	CCP EXPT	SNP	53	9 91	ANTONOV+ INTEGRAT.SIGMA VALUE	+
032 GE 076	(G,N)	2.2+	7	CCP EXPT	SNP	62	277 87	DAVDOV+	+
032 GE 076	(G,N)	9.+	6 4.0+	7 IOW EXPT	PR/C	11	772 75	MCCARTHY+ SIGMA CURVE & TBL	+
032 GE 076	(G,NP)	9.0+	6 4.0+	7 USA EXPT	NP/A	213	371 73	MCCARTHY+ SIGMA CURVE	+
032 GE 076	(E,ELASTIC)	2.3+	8	CCP EXPT	SNP	51	17 90	KHOMICH+ DIFF.SIGMA TABLE	+
032 GE 076	(N,G)	2.5-	2	BNL EXPT	PR	108	766 57	DER MATEOSIAN+ ACTIVAT.SIGMA	+
032 GE 076	(N,G)	2.4+	4	IND EXPT	NP/A	117	545 68	CHAUBEY+ SIGMA VALUE	+
032 GE 076	(N,G)	NDG		CAN EVAL	CJP	50	1978 72	RICABARRA+ RES.INTEGRAL	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
033 AS 075	(G,ABSORPTION)	5.-	1 3.+	0 GER EXPT	ZP/A	282	143 77	FELDMANN+ PHOTODETACH.SIGMA CURVE	+
033 AS 075	(G,G)	2.7+	5 2.8+	5 USA EXPT	PR	110	123 58	METZGER RESONANCE FLUORESC.	
033 AS 075	(G,G)	2.7+	5	USA EXPT	NP/A	63	425 65	LANGHOFF LEVEL WIDTH	
033 AS 075	(G,G)	8.+	5 3.0+	6 USA EXPT	NP/A	116	281 68	ALSTON+ TRANSITION STRENGTH	
033 AS 075	(G,G)	8.2+	5 1.1+	6 SAF EXPT	ZP/A	282	159 77	CELLIERS+ SPIN.LEVEL WIDTH	
033 AS 075	(G,INELASTIC)	1.2+	7 3.0+	7 GER EXPT	NP/A	147	305 70	ARENHOEVEL+ 150DEG.DIFF.SIGMA	+
033 AS 075	(G,INELASTIC)	1.2+	7 3.0+	7 GER EXPT	NP/A	147	305 70	ARENHOEVEL+ TOTAL ABSORP.SIGMA	+
033 AS 075	(G,INELASTIC)	5.0+	6 7.6+	6 ISL EXPT	PR	188	1765 69	MOREH+ AS-75 LEVEL	+
033 AS 075	(G,N)	7.7+	6 1.1+	7 USA EXPT	NP/A	91	365 67	HURST+ SIGMA VALUE	+
033 AS 075	(G,N)	1.0+	7 3.0+	7 LRL EXPT	PR	177	1745 69	BERMAN+ SIGMA CURVE	+
033 AS 075	(G,X)	1.4+	8 3.2+	8 MIT EXPT	PR	101	1768 56	SUGIHARA+ AVERAGE PHOTOPROD.SIGMA	+
033 AS 075	(G,X)	7.0+	7	USA EXPT	PR	113	1095 59	SCHUPP+ INTEGRATED SIGMA	+
033 AS 075	(G,X)	1.5+	9	GER EXPT	NP/A	160	237 71	KUMBARTZKI+ SPOLLATION PRODUCT	
033 AS 075	(G,X)	1.0+	8 8.0+	8 SWD EXPT	NP/A	242	507 75	ERIKSSON+ ISOMERIC YIELD CURVE	
033 AS 075	(N,G)	1.5+	5 7.+	5 COL THEO	PR	116	937 59	MOSSIN-KOTIN+ CAL-SIGMA CURVE	+
033 AS 075	(N,G)	3.+	3 7.0+	5 ORL EXPT	NSE	99	133 88	MACKLIN AV.SIGMA TABLE	+
033 AS 075	(N,G)	2.5-	2	GER EXPT	NP/A	101	673 67	SIDDIGI+ GAMMA INTENSITY	+
033 AS 075	(N,G)	2.5-	2	USA EXPT	PR	166	1068 68	MORCOS+ GAMMA INTENSITY	
033 AS 075	(N,G)	2.5-	2	CAN EXPT	NP/A	113	104 68	JOHNSON+ GAMMA INTENSITY	
033 AS 075	(N,G)	PILE		AUS EXPT	NP/A	132	123 69	GRYKSA+ GAMMA INTENSITY	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
034 SE 000	(G,A)			GER EXPT	ZP	192	502	66 WENDLING+ DOUBL.DIFF.SIGMA CURVE	+
034 SE 000	(G,F)	5.8+ 8		CAN EXPT	ZP/A	279	331	76 KIELY+ FISSION SIGMA VALUE	+
034 SE 000	(G,INELASTIC)	1.2+ 7	3.0+ 7	GER EXPT	NP/A	147	305	70 ARENHOEVEL+ 150DEG.DIFF.SIGMA	+
034 SE 000	(G,INELASTIC)	1.2+ 7	3.0+ 7	GER EXPT	NP/A	147	305	70 ARENHOEVEL+ TOTAL ABSORP.SIGMA	+
034 SE 000	(N,G)	1.4+ 7		YUG EXPT	NP/A	158	251	70 CVELBAR+ ACTIVATION SIGMA	+
034 SE 000	(N,G)	5.2+ 1	7.1+ 3	ANL EXPT	PR	136	B703	64 COTE+ NEUTRON RES.PARAM.	+
034 SE 073M	(E,INELASTIC)			3. + 3 CCP THEO	SNP	48	827	88 ARUTYUNYAN+ TRANSITION SIGMA	+
034 SE 074	(G,N)			EXPT	SJA	58	56	85 DAVYDOV+	+
034 SE 074	(G,N)	2.2+ 6	1.5+ 7	EXPT	YF	35	257	82 FAM ZUI FIEN+ ISOMER RATIO	+
034 SE 074	(E,E)			EXPT	SNP	47	191	87 KHOMICH+	+
034 SE 074	(E,ELASTIC)	2.3+ 8		CCP EXPT	SNP	47	191	88 KHOMICH+ DIFF.SIGMA	+
034 SE 074	(N,G)	1.0+ 4	2.0+ 4	CCP EXPT	SNP	9	655	69 MALECKI+ RES.PARAM.	+
034 SE 074	(N,G)	2.5- 2		CCP EXPT	SNP	11	627	70 RUDAK+ GAMMA ENERGY & INTENSITY	+
034 SE 074	(N,G)	2.5- 2	2.7+ 2	BNL EXPT	NP/A	372	125	81 ENGLER+ RES. CAPT. GAMMA TRANSIT.	+
034 SE 076	(G,ABSORPTION)			GER THEO	NP/A	91	145	67 ARENHOEVEL+ SIGMA CURVE	+
034 SE 076	(G,G)	5.6+ 5		USA EXPT	PR	129	2583	63 PRUETT RES.FLUORESCENCE	+
034 SE 076	(E,E)	NDG		CCP EXPT	BAS	51	958	85 KHOMICH+	+
034 SE 076	(E,ELASTIC)	2.3+ 8		CCP EXPT	SNP	47	191	88 KHOMICH+ DIFF.SIGMA	+
034 SE 076	(N,G)	1.0+ 4	2.0+ 4	CCP EXPT	SNP	9	655	69 MALECKI+ RES.PARAM.	+
034 SE 076	(N,G)	2.5- 2		CCP EVAL	SNP	18	246	74 MURZIN+ EXCITED STATES	+
034 SE 076	(N,G)	2.5- 2	2.7+ 2	BNL EXPT	NP/A	372	125	81 ENGLER+ RES. CAPT. GAMMA TRANSIT.	+
034 SE 076	(N,G)	2.5- 2		GER EXPT	NP/A	439	427	85 TOKUNAGA+ SE-77 LEVEL	+
034 SE 077	(G,INELASTIC)			6 FR EXPT	NP/A	137	520	69 BOIVIN+ ACTIVATION SIGMA	+
034 SE 077	(N,G)	2.5- 2		GER EXPT	ZP	178	173	64 ZEHENDER+ GAMMA TRANSITION	+
034 SE 077	(N,G)	4. + 3		CCP EXPT	SNP	9	655	69 MALECKI+ RES.PARAM.	+
034 SE 077	(N,G)	2.5- 2	2.7+ 2	BNL EXPT	NP/A	372	125	81 ENGLER+ RES. CAPT. GAMMA TRANSIT.	+
034 SE 078	(E,E)			CCP EXPT	BAS	51	958	85 KHOMICH+	+
034 SE 078	(E,ELASTIC)	2.3+ 8		CCP EXPT	SNP	43	869	86 KHOMICH+ DIFF.SIGMA VALUES	+
034 SE 078	(E,ELASTIC)	2.3+ 8		CCP EXPT	SNP	47	191	88 KHOMICH+ DIFF.SIGMA	+
034 SE 078	(N,G)	5.3+ 5	1.3+ 6	POL EXPT	NP/A	357	1	81 HERMAN+ ACTIVATION SIGMA	+
034 SE 078	(N,G)	1.0+ 4	2.0+ 4	CCP EXPT	SNP	9	655	69 MALECKI+ RES.PARAM.	+
034 SE 078	(N,G)	2.5- 2		CCP EVAL	SNP	18	246	74 MURZIN+ EXCITED STATES	+
034 SE 078	(N,G)	2.5- 2	2.7+ 2	BNL EXPT	NP/A	372	125	81 ENGLER+ RES. CAPT. GAMMA TRANSIT.	+
034 SE 080	(G,G)			ISL EXPT	PR/C	8	1429	73 SZICHMAN LEVEL WIDTH OF SE-80	+

ELEMENT Z S A	QUANTITY	ENERGY(EV) MIN MAX	LAB TYPE	DOCUMENTATION REF VOL PAGE YEAR	COMMENTS	DATA
0334 SE 080	(E,E)	NDG	CCP EXPT	BAS 51 958 85	KHOMICH+	+
0334 SE 080	(E,ELASTIC)	2.3+ 8	CCP EXPT	SNP 43 869 86	KHOMICH+ DIFF.SIGMA VALUES	+
0334 SE 080	(E,ELASTIC)	2.3+ 8	CCP EXPT	SNP 47 191 88	KHOMICH+ DIFF.SIGMA	+
0334 SE 080	(N,G)	2.5+ 4	IND EXPT	PR/C 6 572 72	LAKSHMANA+ ISOMERIC SIGMA	+
0334 SE 080	(N,G)	1. + 5	USA EXPT	NP/A 213 349 73	CLARKE+ ISOMERIC RATIO	+
0334 SE 080	(N,G)	5.3+ 5	POL EXPT	NP/A 357 1 81	HERMAN+ ACTIVATION SIGMA	+
0334 SE 080	(N,G)	2.5- 2	ANL EXPT	NP/A 60 241 64	BISHOP+ ISOMER RATIO	+
0334 SE 080	(N,G)	1.0+ 4	CCP EXPT	SNP 9 655 69	MALECKI+ RES.PARAM.	
0334 SE 080	(N,G)	2.5- 2	CCP EVAL	SNP 18 246 74	MURZIN+ EXCITED STATES	
0334 SE 080	(N,G)	2.5- 2	BNL EXPT	NP/A 372 125 81	ENGLER+ RES. CAPT. GAMMA TRANSIT.	
0334 SE 082	(G,N)	2.2+ 6	EXPT	SJA 58 56 85	DAVYDOV+	+
0334 SE 082	(E,E)	NDG	CCP EXPT	BAS 51 958 85	KHOMICH+	+
0334 SE 082	(E,ELASTIC)	2.3+ 8	CCP EXPT	SNP 47 191 88	KHOMICH+ DIFF.SIGMA	+
0334 SE 082	(N,G)	5.3+ 5	POL EXPT	NP/A 357 1 81	HERMAN+ ACTIVATION SIGMA	+
0334 SE 082	(N,G)	1.0+ 4	CCP EXPT	SNP 9 655 69	MALECKI+ RES.PARAM.	+
0334 SE 082	(P,G)	5. + 6	UK EXPT	NP/A 119 673 68	DALY+ SIGMA CURVE	+
0335 BR 000	(N,G)	2. + 3 8. +	CCP THEO	NP 45 156 63	NEMIROVSKY+ CAL.SIGMA CURVE	+
0335 BR 000	(N,G)	1.4+ 7	YUG EXPT	NP/A 158 251 70	CVELBAR+ ACTIVATION SIGMA	+
0335 BR 079	(G,G)	3.1+ 5	GER EXPT	NP/A 79 145 66	LANGHOFF+ BR-79 LEVEL	
0335 BR 079	(N,G)	1.3+ 5	ANL EXPT	PR 133 8378 64	COX SIGMA CURVE	+
0335 BR 079	(N,G)	2.5- 2	HUN EXPT	NP/A 67 443 65	BACSO+ ISOMERIC SIGMA RATIO	
0335 BR 079	(N,G)	2.5+ 4	IND EXPT	PR/C 6 572 72	LAKSHMANA+ ISOMERIC SIGMA	+
0335 BR 079	(N,G)	1. + 5	USA EXPT	NP/A 213 349 73	CLARKE+ ISOMERIC RATIO	+
0335 BR 079	(N,G)	3. + 3	ORL EXPT	NSE 99 133 88	MACKLIN AV.SIGMA TABLE	+
0335 BR 081	(G,N)	2.2+ 6	EXPT	SJA 58 56 85	DAVYDOV+	+
0335 BR 081	(G,N)	1.5+ 7	USA EXPT	PR 105 1310 57	KING+ ISOMER RATIO	
0335 BR 081	(N,G)	1.3+ 5	ANL EXPT	PR 133 8378 64	COX SIGMA CURVE	+
0335 BR 081	(N,G)	3. + 3	ORL EXPT	NSE 99 133 88	MACKLIN AV.SIGMA TABLE	+

ELEMENT Z S A	QUANTITY	ENERGY(keV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
036 KR 000	(G,P)	2.4+ 7	3.3+ 7	GER EXPT	ZP	225	303	69	HOFMANN+ SIGMA CURVE & TABLE	+
036 KR 000	(E,ELASTIC)	NDG		GER THEO	ZP	229	299	69	WEISS SPIN POLARIZATION	+
036 KR 000	(E-INELASTIC)	AD		STF THEO	NP	43	242	63	GOLDEMBERG+ 180DEG.DIFF.SIGMA	+
036 KR 000	(E,SCATTERING)	AD	3.7+ 4	GER EXPT	ZP	196	1	66	FINK+ DIFF.SIGMA	
036 KR 078	(N,G)	2.5- 2		USA EXPT	NP/A	120	329	68	KONDAIAH+ ACTIVAT.SIGMA/ISOMER R	+
036 KR 078	(N,G)	3.0+ 3	2.4+ 5	KFK EXPT	NSE	93	357	86	WALTER+ SIGMA TABLE	+
036 KR 080	(N,G)	2.5- 2		USA EXPT	NP/A	120	329	68	KONDAIAH+ ACTIVAT.SIGMA/ISOMER R	+
036 KR 080	(N,G)	2.5- 2		USA EXPT	NSE	47	151	72	BRADLEY+ SIGMA VALUE	+
036 KR 080	(N,G)	3.0+ 3	2.4+ 5	KFK EXPT	NSE	93	357	86	WALTER+ SIGMA TABLE	+
036 KR 082	(G,G)	7.8+ 5		ANL EXPT	PR	145	862	66	BEARD+ RESON.FULORESC.AVRAG.SIGMA	+
036 KR 082	(N,G)	2.5- 2		USA EXPT	NP/A	120	329	68	KONDAIAH+ ACTIVAT.SIGMA/ISOMER R	+
036 KR 082	(N,G)	3.0+ 3	2.4+ 5	KFK EXPT	NSE	93	357	86	WALTER+ SIGMA TABLE	+
036 KR 083	(N,G)	3.0+ 3	2.4+ 5	KFK EXPT	NSE	93	357	86	WALTER+ SIGMA TABLE	+
036 KR 084	(G,P)	2.4+ 7	3.3+ 7	GER EXPT	ZP	225	303	69	HOFMANN+ SIGMA CURVE & TABLE	+
036 KR 084	(N,G)	2.5- 2		USA EXPT	NP/A	120	329	68	KONDAIAH+ ACTIVAT.SIGMA/ISOMER R	+
036 KR 084	(N,G)	3.0+ 3	2.4+ 5	KFK EXPT	NSE	93	357	86	WALTER+ SIGMA TABLE	+
036 KR 085	(N,G)	2.5- 2		ORL EXPT	NSE	47	371	72	BEMIS+ SIGMA VALUE & RES.INTEGRAL	+
036 KR 086	(N,G)	3.0+ 3	2.4+ 5	KFK EXPT	NSE	93	357	86	WALTER+ SIGMA TABLE	+
036 KR 086	(N,G)	2.5- 2		LRL EXPT	PR/C	15	1972	77	JENSEN+ KR-87 LEVELS	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
037 RB 000	(G,N)	1.1+ 7	2.4+ 7	SAC EXPT	NP/A	175	609 71	LEPRETIRE+ SIGMA PLOT	+
037 RB 000	(G,2N)	1.9+ 7	2.4+ 7	SAC EXPT	NP/A	175	609 71	LEPRETIRE+ SIGMA PLOT	+
037 RB 000	(N,G)	1.4+ 7		FR EXPT	NP/A	154	243 70	RIGAUD+ INTEGRAT.SIGMA TABLE	+
037 RB 085	(G,N)	2.2+ 6		EXPT	SJA	58	56 85	DAVYDOV+	+
037 RB 085	(G,N)	1.8+ 7		CCP EXPT	SNP	62	277 87	DAVYDOV+	+
037 RB 085	(G,N)	1.2+ 6	2.5+ 6	EXPT	SJA	62	243 87	DAVYDOV+	+
037 RB 085	(G,N)	5.0+ 7		GER EXPT	NP/A	182	411 72	VOELPEL ISOMERIC SIGMA VALUE	+
037 RB 085	(G,N)	2.2+ 7		USA EXPT	PR	110	1388 58	TOBIN+ PHOTONEUTRON THRESHOLD	+
037 RB 085	(N,G)	2.5+ 4		IND EXPT	PR/C	6	572 72	LAKSHMANA+ ISOMERIC SIGMA	+
037 RB 085	(N,G)	2.5- 2		USA EXPT	PR	181	1618 69	DAWSON+ GAMMA INTENSITY	+
037 RB 087	(G,N)	2.2+ 7		USA EXPT	PR	110	1388 58	TOBIN+ PHOTONEUTRON THRESHOLD	+
038 SR 000	(G,N)	1.1+ 7	2.6+ 7	SAC EXPT	NP/A	175	609 71	LEPRETIRE+ SIGMA PLOT	+
038 SR 000	(G,XN)	1.0+ 7	2.7+ 7	AUL EXPT	NP/A	159	265 70	HICKS+ SIGMA CURVE	+
038 SR 000	(G,2N)	2.0+ 7	2.6+ 7	SAC EXPT	NP/A	175	609 71	LEPRETIRE+ SIGMA PLOT	+
038 SR 000	(N,G)	1.4+ 7		FR EXPT	NP/A	154	243 70	RIGAUD+ INTEGRAT.SIGMA TABLE	+
038 SR 000	(N,G)	2.5- 2		FR EXPT	NP/A	113	134 68	CARLOS+ GAMMA INTENSITY	+
038 SR 084	(N,G)	PILE		ITY EXPT	NP	1	420 56	ASDENTE+ ACTIVAT.SIGMA VALUE	+
038 SR 084	(P,G)	6.2+ 6	8.0+ 6	EXPT	NP/A	323	253 79	SZEFLINSKA+ E1-GAM STRENG.FUNCT	+
038 SR 086	(G,N)	2.2+ 6		EXPT	SJA	58	56 85	DAVYDOV+	+
038 SR 086	(G,N)	NDG		PEN EXPT	PR	104	1334 56	YERGIN+ GIANT RES.SIGMA TBL	+
038 SR 086	(N,G)	3. + 3	2. + 5	EXPT	AJP	35	267 82	HICKS+	+
038 SR 086	(N,G)	1.0+ 2	1. + 6	LRL EXPT	PR/C	43	2004 91	BAUER+ SIGMA VALUE & CURVE	+
038 SR 086	(N,G)	2.5- 2		GER EXPT	NP/A	460	501 86	WINTER+ GAMMA YIELD	+
038 SR 086	(P,G)	6.2+ 6	8.0+ 6	EXPT	NP/A	323	253 79	SZEFLINSKA+ E1-GAM STRENG.FUNCT	+
038 SR 086	(P,G)	3.9+ 6		FR EXPT	NP/A	136	631 69	IRIGARAY+ GAMMA TRANSITION	+
038 SR 086	(A,G)	9.0+ 6	1.3+ 7	EXPT	PR/C	22	2409 80	RAGHUNATHAN+	+
038 SR 087	(G,INELASTIC)	3. + 7		USA EXPT	NP/A	98	529 67	BOOTH+ ISOMER EXCITAT.SIGMA CURVE	+
038 SR 087	(G,N)	NDG		PEN EXPT	PR	104	1334 56	YERGIN+ GIANT RES.SIGMA TBL	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA	
		MIN	MAX		REF	VOL	PAGE	YEAR			
038 SR 087	(E, INELASTIC)	CS	3. + 7	USA EXPT	NP/A	98	529	67	BOOTH+ ISOMER EXCITAT. SIGMA CURVE	+	
038 SR 087	(N, G)	CS	3. + 3	EXPT	AJP	35	267	82	HICKS+		
038 SR 087	(N, G)	CS	1.0+ 2	LRL EXPT	PR/C	43	2004	91	BAUER+ SIGMA VALUE & CURVE	+	
038 SR 087	(N, G)	XX	2.5- 2	GER EVAL	ZP/A	332	397	89	WINTER+ STRENGTH FUNCTION		
038 SR 087	(N, G)	YD	2.5- 2	KFK EXPT	ZP	194	373	66	SCHMIDT+ SR-88 LEVEL		
038 SR 087	(N, G)	YD	2.5- 2	GER COMP	ZP/A	332	397	89	WINTER+ STRENGTH FUNCTION		
038 SR 088	(G, ELASTIC)	CS	1.4+ 7	EXPT	NP/A	342	124	80	ISOYAMA+ RES. SCATT. RAD. WIDTH		
038 SR 088	(G, G)	YD	5. + 6	USA EXPT	PR/C	11	2085	75	METZGER TOTAL WIDTH OF SR-88 LVL		
038 SR 088	(G, N XPT)	CS	NDG	PEN EXPT	PR	104	1334	56	YERGIN+ GIANT RES. SIGMA TBL	+	
038 SR 088	(G, N XPT)	CS	1.5+ 7	EXPT	YF	35	257	82	FAM ZUI FIEN+ ISOMER RATIO		
038 SR 088	(G, PION +)	CS	1.2+ 9	SWD EXPT	NP/A	162	193	71	BLOMQUIST+ PI+ PRODUCT. SIGMA CURV	+	
038 SR 088	(G, SCATTERING)	CS	8.6+ 6	1.2+ 7	USA EXPT	PR/C	8	1421	73	DATTA+ SIGMA CURVE	+
038 SR 088	(E, ELASTIC)	AD	2.0+ 8	4.0+ 8	USA EXPT	PR/C	7	1089	73	ALSTER+ DIFF. SIGMA TBL & CURVE	+
038 SR 088	(E, EP)	AD	1.4+ 7	2.6+ 7	TOH EXPT	NP/A	239	397	75	SHODA+ DIFF. SIGMA CURVE	+
038 SR 088	(E, EP)	AD	1.4+ 7	2.6+ 7	TOH EXPT	NP/A	239	397	75	SHODA+ DIFF. SIGMA CURVE	+
038 SR 088	(E, EP)	AD	1.4+ 7	2.6+ 7	TOH EXPT	NP/A	239	397	75	SHODA+ DIFF. SIGMA CURVE	+
038 SR 088	(E, EP)	DD	1.4+ 7	3.0+ 7	TOH EXPT	NP/A	221	125	74	SHODA+ DOUBL. DIFF. SIGMA CURVE	+
038 SR 088	(E, INELASTIC)	AD	2.0+ 8	SWT THEO	NP/A	61	417	65	SCHUCAN CAL. DIFF. SIGMA CURVE	+	
038 SR 088	(E, INELASTIC)	AD	6.5+ 7	7.0+ 7	YAL EXPT	PR	166	1136	68	PETERSON+ RELATIV. YIELD	
038 SR 088	(E, INELASTIC)	AD	4.5+ 7	1.2+ 8	NBS EXPT	PR/C	9	1533	74	FIVOLZINSKY+ FORM FACTOR	
038 SR 088	(E, INELASTIC)	AD	2.1+ 8	NED THEO	NP/A	236	10	74	HOFSTRA+ DIFF. SIGMA CURVE	+	
038 SR 088	(E, INELASTIC)	AD	2.4+ 7	2.6+ 8	FUL EXPT	NP/A	423	365	84	VAN BIJL+ PARTIAL LVL SIGMA TBL	+
038 SR 088	(E, INELASTIC)	XX	NDG	USA THEO	PR	129	1689	63	ONLEY+ FORM FACTOR		
038 SR 088	(E, INELASTIC)	XX	NDG	YAL THEO	PR	171	1142	68	SCHUCAN MODEL ANALYSIS		
038 SR 088	(E, INELASTIC)	XX	2.0+ 8	YAL THEO	PR	188	1520	69	SCHUCAN FORM FACTOR		
038 SR 088	(E, SCATTERING)	AD	1.9+ 8	STF EVAL	PR	104	1466	56	HELM DIFF. SIGMA TBL & CURVE	+	
038 SR 088	(E, SCATTERING)	CS	2.5+ 7	1.2+ 8	UK EXPT	NP/A	216	29	73	SINGHAL+ SIGMA TABLE	+
038 SR 088	(N, G)	CS	PILE	ITY EXPT	NP	1	420	56	ASDENTE+ ACTIVAT. SIGMA		
038 SR 088	(N, G)	XX	2.5- 2	GER EVAL	ZP/A	332	397	89	WINTER+ STRENGTH FUNCTION		
038 SR 088	(N, G)	YD	2.5- 2	4	GOE EXPT	NP/A	491	395	89	WINTER+ GAMMA TRANSITION	
038 SR 088	(N, G)	YD	2.5- 2	GER COMP	ZP/A	332	397	89	WINTER+ STRENGTH FUNCTION		
038 SR 088	(P, G)	AD	5.9+ 6	8.4+ 6	USA EXPT	NP/A	107	181	68	SHAFROTH+ 125DEG. DIFF. SIGMA CURVE	+
038 SR 088	(P, G)	ED	6.2+ 6	8.0+ 6	EXPT	NP/A	323	253	79	SZEFELINSKA+ E1-GAM STRENG. FUNCT	
038 SR 088	(P, G)	ED	2.2+ 6	3.7+ 6	POL EXPT	NP/A	378	293	82	DYGO+ Y-89 LEVEL DENSITY	
038 SR 088	(P, G)	ED	5.0+ 6	8.0+ 6	OSA EXPT	JPJ	52	2325	83	NAKAYAMA+	
038 SR 088	(P, G)	YD	3.9+ 6	FR EXPT	NP/A	136	631	69	IRIGARAY+ GAMMA TRANSITION		
038 SR 088	(P, G)	YD	2.3+ 6	3.0+ 6	KAN EXPT	PR/C	3	199	71	UMBARGER+ YIELD CURVE	
038 SR 089	(N, G)	CS	PILE	CAN EXPT	CJP	35	1215	57	ROY+ SIGMA VALUE	+	
038 SR 089	(N, G)	XX	2.5- 2	GER EVAL	ZP/A	332	397	89	WINTER+ STRENGTH FUNCTION		
038 SR 089	(N, G)	YD	2.5- 2	GER COMP	ZP/A	332	397	89	WINTER+ STRENGTH FUNCTION		

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
039 Y 089	(G,G)	8. +	5 3.0+	6 USA EXPT	NP/A	116	281	ALSTON+ TRANSITION STRENGTH	+
039 Y 089	(G,INELASTIC)	1.2+	7 3.0+	7 GER EXPT	NP/A	147	305	ARENHOEVEL+ 150DEG.DIFF.SIGMA	+
039 Y 089	(G,INELASTIC)	4. +	6 2.2+	7 BZL EXPT	PR	110	1102	SILVA+ SIGMA CURVE	+
039 Y 089	(G,INELASTIC)	1.2+	7 3.0+	7 GER EXPT	NP/A	147	305	ARENHOEVEL+ TOTAL ABSORP.SIGMA	+
039 Y 089	(G,INELASTIC)	1.0+ 8	8.0+	8 SWD EXPT	NP/A	211	310	FORKMAN+ SIGMA CURVE & TABLE	+
039 Y 089	(G,N)	5.5+ 7		USA EXPT	NP	30	201	REINHARDT+ ANGL.DIST.OF NEUTRON	+
039 Y 089	(G,N)	NDG		GER THEO	NP	179	256	HEISS DIFF.SIGMA	+
039 Y 089	(G,N)	NDG		PEN EXPT	PR	104	1334	YERGIN+ GIANT RES.SIGMA TBL	+
039 Y 089	(G,N)	1.1+	7 2.8+	7 LRL EXPT	PR	162	1098	BERMAN+ SIGMA CURVE	+
039 Y 089	(G,N)	1.1+	7 2.7+	7 SAC EXPT	NP/A	175	609	LEPRETRE+ SIGMA PLOT	+
039 Y 089	(G,N)	NDG		PEN EXPT	NP	40	177	GELLER REACTION THRESHOLD ENERGY	+
039 Y 089	(G,N)	1.5+	8 2.8+	8 UI EXPT	PR	150	867	WALTERS+ ISOMER RATIO	+
039 Y 089	(G,P)	1.3+	7 3.1+	7 EXPT	PR/C	36	1792	MIYASE+	+
039 Y 089	(G,P)	1.3+	7 2.5+	7 EXPT	PR/C	22	2396	VAN CAMP+ LEGENDRE POLY.	+
039 Y 089	(G,P)	1.4+	7 2.4+	7 GHT EXPT	PR/C	24	2499	VAN OTTEN+ ABSOLUT.SIGMA CURVE	+
039 Y 089	(G,PN)	1.5+	8 3.1+	8 USA EXPT	NP/A	157	73	WALTERS+ YIELD RATIO	+
039 Y 089	(G,2N)	2.1+	7 2.7+	7 SAC EXPT	NP/A	175	609	LEPRETRE+ SIGMA PLOT	+
039 Y 089	(G,2N)	1.5+	8 3.1+	8 USA EXPT	NP/A	157	73	WALTERS+ YIELD RATIO	+
039 Y 089	(E,EP)	1.4+	7 2.6+	7 TOH EXPT	NP/A	239	397	SHODA+ DIFF.SIGMA CURVE	+
039 Y 089	(E,EP)	1.4+	7 3.0+	7 TOH EXPT	NP/A	221	125	SHODA+ DOUBL.DIFF.SIGMA CURVE	+
039 Y 089	(E,INELASTIC)	6.5+	7 7.0+	7 YAL EXPT	PR	166	1136	PETERSON+ RELATIV.YIELD	+
039 Y 089	(E,INELASTIC)	4.5+	7 1.2+	8 NBS EXPT	PR/C	9	1533	FIVDZINSKY+ FORM FACTOR	+
039 Y 089	(E,INELASTIC)	9.3+	7	USA EXPT	PR/C	16	970	PITTHAN+ ANGULAR DIST.	+
039 Y 089	(E,INELASTIC)	NDG		CCP THEO	SNP	51	221	DENISOV FORM FACTOR	+
039 Y 089	(E,P)	1.3+	7 3.1+	7 EXPT	PR/C	36	1792	MIYASE+	+
039 Y 089	(E,SCATTERING)	2.3+	8	CCP EXPT	SNP	5	676	SHVUCHENKO+ ABSOL.DIFF.SIGMA TBL	+
039 Y 089	(E,SCATTERING)	5.0+	8	STF EXPT	PR/C	9	2230	WHITNEY+ SIGMA TABLE	+
039 Y 089	(E,SCATTERING)	2.5+	7 1.2+	8 UK EXPT	NP/A	216	29	SINGHAL+ SIGMA TABLE	+
039 Y 089	(E,X)	4.9+	5 6.7+	5 HUN EXPT	NP/A	271	207	NASR+ POSITRON IMPACT IONIZAT.SIGM	+
039 Y 089	(N,G)	1.2+	7 2.7+	7 USA EXPT	NP/A	472	125	ZORRO+	+
039 Y 089	(N,G)	1.4+	5 1.5+	7 FR EXPT	NP/A	94	157	GRECH+ SIGMA CURVE & TABLE	+
039 Y 089	(N,G)	1.4+	7	HUN EXPT	NP/A	95	229	CSIKAI+ SIGMA TABLE	+
039 Y 089	(N,G)	2.5+	3 1.0+	5 AUL EXPT	NP/A	154	243	RIGAUD+ INTEGRAT.SIGMA TABLE	+
039 Y 089	(N,G)	5. +	5 1.1+	7 KFK EXPT	NSE	64	744	BOLDENMAN+ AV.SIGMA VALUE	+
039 Y 089	(N,G)	2.5- 2		CRC EXPT	NP/A	339	205	LINDHOLM+ TOF.LARGE NAI,CAPT CS	+
039 Y 089	(N,G)	2.5- 2		CRC EXPT	NP	10	590	EICHLER+ CIRCULAR POLARIZATION	+
039 Y 089	(N,G)	6.2+	6 1.6+	7 LND EXPT	NP/A	295	256	BARTHOLOMEW+ GAMMA INTENSITY	+
039 Y 089	(N,G)	1. +	3 6. +	3 ORL EXPT	PR/C	23	1979	BERGQVIST+ PARTIAL SIGMA	+
039 Y 089	(P,G)	3.6+	6 5.2+	6 GER EXPT	NP/A	103	17	RAMAN+ RES. PARAM.	+
039 Y 089	(P,G)	2.6+	6 1.9+	7 UK EXPT	NP/A	135	193	OBST+ PARTIAL GAMMA SIGMA CURVE	+
039 Y 089	(P,G)	5.4+	6 1.7+	7 STF EXPT	NP/A	216	221	MASON+ SIGMA CURVE	+
039 Y 089	(P,G)	6.2+	6 8.0+	6 POL EXPT	NP/A	323	253	HASINOFF+ ZR-90 DIPOLE RESONANCE	+
039 Y 089	(P,G)	2.6+	6 3.3+	6 OXF EXPT	NP/A	92	365	SZEFLINSKA+ E1-GAM STRENG.FUNCT	+
039 Y 089	(P,G)	5. +	6 8.5+	6 FR EXPT	NP/A	136	631	DYGO+ ZR-90 LEVEL DENSITY	+
039 Y 089	(P,G)	3.9+	6	KAN EXPT	PR/C	3	199	BLACK+ YIELD CURVE	+
039 Y 089	(P,G)	2.3+	6 3.0+	6 KAN EXPT	PR/C	3	199	IRIGARAY+ GAMMA TRANSITION	+
039 Y 089	(P,G)	2.3+	6 3.0+	6 KAN EXPT	PR/C	3	199	UMBARGER+ YIELD CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY (eV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
040 ZR 000	(G, ABSORPTION) CS	6.4+ 6		ISL EXPT	NP/A	252	423	75 MOREH+ ATTENUAT. COEFF.	+
040 ZR 000	(G, ABSORPTION) CS	3.2+ 4	1.5+ 5	IND EXPT	CJP	59	22	81 PUTTASWAMY+ TOT. ATTENUAT. SIGMA	+
040 ZR 000	(G, ABSORPTION) CS	5.0+ 3	1.5+ 5	IND EXPT	CJP	59	853	81 PUTTASWAMY+ K-SHELL PHOTOELECTRIC	+
040 ZR 000	(G, E) CS	3.2+ 5		IND EXPT	CJP	55	1592	77 RANGANATHALAH+ K-SHELL PHOTO SIGMA	+
040 ZR 000	(G, ELASTIC) AD	1.1+ 7	1.3+ 7	IND EXPT	NP/A	149	49	70 BASAVARAJU+ DIFF. SIGMA VALUE	+
040 ZR 000	(G, N) CS	1.5+ 7	2.0+ 7	EXPT	PR/C	36	1286	87 BERMAN+	+
040 ZR 000	(G, N) CS	8. + 6	1.3+ 7	EXPT	NP/A	306	139	82 VEYSSIERE+ USED MONOCHRO PHOTON	+
040 ZR 000	(G, N EMISSION) CS	8. + 6	1.3+ 7	EXPT	NP/A	306	139	82 VEYSSIERE+ USED MONOCHRO PHOTON	+
040 ZR 000	(G, SCATTERING) CS	3.0+ 5	1.3+ 6	IND THEO	NSE	85	426	83 UMESH+ INCOHERENT SCATT. SIGMA TBL	+
040 ZR 000	(G, 2N) CS	8. + 6	1.3+ 7	EXPT	NP/A	306	139	82 VEYSSIERE+ USED MONOCHRO PHOTON	+
040 ZR 000	(G, 3N) CS	8. + 6	1.3+ 7	EXPT	NP/A	306	139	82 VEYSSIERE+ USED MONOCHRO PHOTON	+
040 ZR 000	(E, ABSORPTION) CS	2.4+ 5	1.4+ 6	GER EXPT	NP/A	58	241	64 HANSEN+ SIGMA FOR K IONIZATION	+
040 ZR 000	(N, G) YD	2.5- 2		CSR EXPT	NP/A	68	449	65 KOPECKY+ POLARIZATION OF GAMMA	+
040 ZR 068	(G, G) ED	7.4+ 6		NEG EXPT	NP/A	491	45	89 MOREH+ SCATT. SIGMA VS TEMP. CURVE	+
040 ZR 090	(G, G) CS	8.1+ 6	1.1+ 7	UI EXPT	PRL	59	431	87 LASZEWSKI+	+
040 ZR 090	(G, G) CS	8.1+ 6	1.1+ 7	AUI EXPT	PR/C	36	954	87 ALARCON+ SIGMA CURVE	+
040 ZR 090	(G, G) YD	5.6+ 6		USA EXPT	PR/C	9	1525	74 METZGER RESONANCE FLUORESC.	+
040 ZR 090	(G, INELASTIC) ED	8.5+ 6		EXPT	IZV	46	57	82 BEGSHANOV+	+
040 ZR 090	(G, N) CS	2.2+ 6		EXPT	SJA	58	56	85 DAVYDOV+	+
040 ZR 090	(G, N) CS	2.1+ 6	2.5+ 6	EXPT	SJA	63	876	87 DAVYDOV+	+
040 ZR 090	(G, N) CS	1.2+ 7	3.0+ 7	NJS EXPT	PR/C	13	1852	76 BRAJNIK+ SIGMA	+
040 ZR 090	(G, N) CS	2.4+ 7		PEN EXPT	PR	98	1296	55 NATHANS+ SIGMA	+
040 ZR 090	(G, N) CS	NDG		PEN EXPT	PR	104	1334	56 YERGIN+ GIANT RES. SIGMA TBL	+
040 ZR 090	(G, N) CS	1.2+ 7	2.8+ 7	LRL EXPT	NP/A	72	158	67 COSTA+ SIGMA CURVE	+
040 ZR 090	(G, N) CS	1.2+ 7	2.6+ 7	SAC EXPT	PR	162	1098	67 BERMAN+ SIGMA CURVE	+
040 ZR 090	(G, N) CS	1.2+ 7	2.8+ 7	CCP EXPT	NP/A	175	609	71 LEPRETRE+ SIGMA PLOT	+
040 ZR 090	(G, N) CS	1.5+ 7		EXPT	SNP	14	16	72 ISHKHANOV+ SIGMA CURVE & TBL	+
040 ZR 090	(G, N) CS	1.3+ 7	2.3+ 7	UI EVAL	YF	35	257	82 FAM ZUI FIEN+ ISOMER RATIO	+
040 ZR 090	(G, N) CS	1.2+ 7	3.0+ 7	NJS EXPT	PR/C	13	1852	76 BRAJNIK+ SIGMA	+
040 ZR 090	(G, N) CS	1.2+ 7	3.0+ 7	NJS EXPT	PR/C	13	1852	76 BRAJNIK+ SIGMA	+
040 ZR 090	(G, P) CS	3.1+ 7		AUL EXPT	NP/A	204	209	73 ASKIN+ SIGMA CURVE	+
040 ZR 090	(G, P) CS	1.3+ 7	2.3+ 7	STF EXPT	NP/A	216	221	73 HASINOFF+ SIGMA DEDUCED	+
040 ZR 090	(G, P) CS	3.1+ 7		AUL EXPT	NP/A	204	209	73 ASKIN+ PROTON SPECTRA	+
040 ZR 090	(G, P) CS	3.0+ 7		AML EXPT	NP/A	220	241	74 ASKIN+ PROTON SPECTRA	+
040 ZR 090	(G, P) CS	3.0+ 7		AUL EXPT	NP/A	220	241	74 ASKIN+ PROTON SPECTRA	+
040 ZR 090	(G, SCATTERING) CS	8.4+ 6	1.3+ 7	AUI EXPT	PR/C	2	689	70 AXEL+ SIGMA TBL & CURVE	+
040 ZR 090	(G, X) XX	NDG		BLG THEO	PR/C	9	723	74 BAUDINET-ROBINET SIGMA RATIO CURV	+
040 ZR 090	(G, 2N) AD	1.2+ 7	3.0+ 7	NJS EXPT	PR/C	13	1852	76 BRAJNIK+ SIGMA	+
040 ZR 090	(G, 2N) CS	2.2+ 7	2.6+ 7	SAC EXPT	NP/A	175	609	71 LEPRETRE+ SIGMA PLOT	+
040 ZR 090	(E, A) CS	1.4+ 7	6.7+ 7	EXPT	PR/C	21	1758	80 TAMAE+ STATISTICA & PRECOMP CS	+
040 ZR 090	(E, A) DD	2.0+ 7	1.0+ 8	NBS EXPT	PR/C	32	781	85 DODGE+ DIFF SIGMA CURVE	+
040 ZR 090	(E, ELASTIC) AD	2.1+ 8	3.0+ 8	SAC EXPT	NP/A	179	529	72 PHAN XUAN HO+ DIFF SIGMA TABLE	+
040 ZR 090	(E, ELASTIC) AD	3.7+ 7	6.1+ 7	EXPT	PR/C	26	1304	82 FAGG+	+
040 ZR 090	(E, EP) AD	1.4+ 7	2.6+ 7	TON EXPT	NP/A	239	397	75 SHODA+ DIFF. SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
040 ZR 090	(E,EP)	1.4+	7 3.0+	7 TOH EXPT	NP/A 221	125	74	SHODA+ DOUBL.DIFF.SIGMA CURVE	+
040 ZR 090	(E,EP)	2.0+	7 3.0+	7 AML EXPT	NP/A 220	241	74	ASKIN+ PROTON SPECTRA	+
040 ZR 090	(E,EP)	NDG		NED REVW	NP/A 434	85	85	LAPIKAS	+
040 ZR 090	(E,INELASTIC)	2.1+	8	NED THEO	NP/A 236	10	74	HOFSTRA+ DIFF.SIGMA CURVE	+
040 ZR 090	(E,INELASTIC)	1.2+	7 2.3+	7 STF EXPT	NP/A 216	221	73	HASINOFF+ SIGMA DEDUCED	+
040 ZR 090	(E,INELASTIC)	8. +	6 1.0+	7 EXPT	NP/A 349	309	80	MEUER+ HIGH-RESOL.(FWHM=30KEV)	+
040 ZR 090	(E,INELASTIC)	2.0+	7 3.0+	7 AUL EXPT	NP/A 220	241	74	ASKIN+ PROTON SPECTRA	+
040 ZR 090	(E,INELASTIC)	3.7+	7 6.1+	7 EXPT	PR/C 26	1304	82	FAGG+	+
040 ZR 090	(E,INELASTIC)	4.5+	7 2.5+	8 UK EXPT	NP/A 218	189	74	SINGHAL+ FORM FACTOR	+
040 ZR 090	(E,INELASTIC)	NDG		MIT THEO	NP/A 509	221	90	GARCIA-RECIO+	+
040 ZR 090	(E,INELASTIC)	5.0+	7 6.4+	7 THD EXPT	PL/B 77	367	78	KNUIPFER+ ANGULAR DIST.	+
040 ZR 090	(E,P)	1.6+	7	NBS EXPT	PR/C 28	150	83	DODGE+ WG*WP/W CURV	+
040 ZR 090	(E,P)	2.0+	7 1.0+	8 NBS EXPT	PR/C 32	781	85	DODGE+ DIFF SIGMA CURVE	+
040 ZR 090	(E,P EMISSION)	2.7+	8 4.1+	8 IKO EXPT	NP/A 490	507	88	HERDER+ MOMENTUM DIST. CURVE	+
040 ZR 090	(E,SCATTERING)	6.0+	7	SAC EXPT	NP/A 143	213	70	BELLICARD+ SIGMA TABLE	+
040 ZR 090	(E,SCATTERING)	2.5+	7 1.2+	8 UK EXPT	NP/A 216	29	73	SINGHAL+ SIGMA TABLE	+
040 ZR 090	(E,SCATTERING)	NDG		UNH EXPT	PR/C 29	97	84	HEISENBERG+ FOURIER-BESSEL COE TBL	+
040 ZR 090	(N,G)	3. +	3 2.0+	5 AIN EXPT	NP/A 246	1	75	BOLDEMAN+ AVERAG.SIGMA CURVE	+
040 ZR 090	(N,G)	1.5+	2 1.0+	5 RPI EXPT	NSE 37	137	69	BARTOLOME+ RES.PARAMETER	+
040 ZR 090	(N,G)	4.0+	6 9.0+	6 EXPT	SNP 46	17	87	SKAKUN+	+
040 ZR 090	(P,G)	9. +	6 5.7+	7 USA EXPT	PR/C 35	1265	87	LAIRD+	+
040 ZR 090	(P,G)	3.7+	6 1.2+	7 MPH EXPT	NP/A 467	397	87	SZEFLINSKI+	+
040 ZR 090	(P,G)	3.0+	6 7.2+	6 GER EXPT	ZP 243	105	71	RAUCH GAMMA INTENSITY	+
040 ZR 091	(G,G)	1.9+	6 5.0+	6 BAR EXPT	PR/C 16	597	77	METZGER GAMMA SPECTRA	+
040 ZR 091	(G,N)	NDG	2.4+	7 PEN EXPT	PR 98	1296	55	NATHANS+ SIGMA CURVE	+
040 ZR 091	(G,N)	1.1+	7 3.0+	7 LRL EXPT	PR 104	1334	56	VERGIN+ GIANT RES.SIGMA TBL	+
040 ZR 091	(G,N)	9.0+	6	ANL EXPT	PR/C 9	1098	67	BERMAN+ SIGMA CURVE	+
040 ZR 091	(G,P)	3.0+	7	AML EXPT	NP/A 220	346	74	TOOHEY+ RESONANCE WIDTH	+
040 ZR 091	(G,P)	2.0+	7 3.0+	7 AUL EXPT	NP/A 220	241	74	ASKIN+ PROTON SPECTRA	+
040 ZR 091	(E,EP)	2.0+	7 3.0+	7 AML EXPT	NP/A 220	241	74	ASKIN+ PROTON SPECTRA	+
040 ZR 091	(E,INELASTIC)	2.0+	7 3.0+	7 AUL EXPT	NP/A 220	241	74	ASKIN+ PROTON SPECTRA	+
040 ZR 091	(N,G)	1.8+	2 2.1+	3 ANL EXPT	PR 131	2153	63	JACKSON ABSOLUTE GAMMA INTENSITY	+
040 ZR 091	(N,G)	2.5-	2	CRC EXPT	NP/A 50	209	64	BARTHOLOMEW+ LEVEL SPIN	+
040 ZR 091	(N,G)	1.5+	2 1.0+	5 RPI EXPT	NSE 37	137	69	BARTOLOME+ RES.PARAMETER	+
040 ZR 092	(G,N)	NDG		PEN EXPT	PR 104	1334	56	VERGIN+ GIANT RES.SIGMA TBL	+
040 ZR 092	(G,N)	1.0+	7 2.8+	7 LRL EXPT	PR 162	1098	67	BERMAN+ SIGMA CURVE	+
040 ZR 092	(E,A)	2.0+	7 1.0+	8 NBS EXPT	PR/C 32	781	85	DODGE+ DIFF SIGMA CURVE	+
040 ZR 092	(E,INELASTIC)	2.2+	8	TOH EXPT	PR/C 28	652	83	SAITO+ EX WIDTH TBL	+
040 ZR 092	(E,P)	2.0+	7 1.0+	8 NBS EXPT	PR/C 32	781	85	DODGE+ DIFF SIGMA CURVE	+
040 ZR 092	(N,G)	1.5+	2 1.0+	5 RPI EXPT	NSE 37	137	69	BARTOLOME+ RES.PARAMETER	+
040 ZR 092	(P,G)	4.0+	6 9.0+	6 EXPT	SNP 46	17	87	SKAKUN+	+
040 ZR 094	(G,N)	8. +	6 3.1+	7 LRL EXPT	PR 162	1098	67	BERMAN+ SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
040 ZR 094	(N,G)	2.5- 2		ALG EXPT	CJP	48	2362	70	RICABARRAT+ SIGMA VALUE	+
040 ZR 094	(N,G)	2.5- 2		USA EXPT	NSE	46	314	71	FULMER+ SIGMA VALUE	+
040 ZR 094	(N,G)	2.5- 2		CRL EXPT	CJP	51	2441	73	SANTRY+ ACTIVATION SIGMA VALUE	+
040 ZR 094	(N,G)	1.5+ 2	1.0+ 5	RPI EXPT	NSE	37	137	69	BARTOLOME+ RES.PARAMETER	
040 ZR 096	(G,A)	2.3+ 7		CCP EXPT	SNP	53	9	91	ANTONOV+ INTEGRAT.SIGMA VALUE	+
040 ZR 096	(N,G)	2.5- 2		ALG EXPT	CJP	48	2362	70	RICABARRAT+ SIGMA VALUE	+
040 ZR 096	(N,G)	2.5- 2		USA EXPT	NSE	46	314	71	FULMER+ SIGMA VALUE	+
040 ZR 096	(N,G)	2.5- 2		CRL EXPT	CJP	51	2441	73	SANTRY+ ACTIVATION SIGMA VALUE	+
040 ZR 096	(P,G)	4.0+ 6	9.0+ 6	EXPT	SNP	46	17	87	SKAKUN+	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
041 NB 093	(G,A)	2.5+ 7		CCP EXPT	SNP	51	193	90	ANTONOV+ INTEGRAT.SIGMA	+
041 NB 093	(G,A)	2.3+ 7		CCP EXPT	SNP	53	9	91	ANTONOV+ INTEGRAT.SIGMA VALUE	+
041 NB 093	(G,A)	3.3+ 7	3.3+ 7	GER EXPT	NP/A	56	113	64	SCHER+ ALPHA SPECTRA	
041 NB 093	(G,A)	NDG		GER EXPT	NP/A	118	25	68	KRAFT+ ALPHA SPECTRA	
041 NB 093	(G,N)	NDG		NEG EXPT	NP/A	306	101	78	BERANTL+ NB-93 LEVELS	
041 NB 093	(G,N)	NDG		PEN EXPT	PR	104	1334	56	VERGIN+ GIANT RES.SIGMA TBL	+
041 NB 093	(G,N)	7.5+ 6	1.1+ 7	PEN EXPT	PR	121	880	61	WELSH+ SIGMA TBL	+
041 NB 093	(G,N)	7.7+ 6	1.1+ 7	USA EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
041 NB 093	(G,N)	8. + 6	2.4+ 7	SAC EXPT	NP/A	175	609	71	LEPRETRE+ SIGMA PLOT	+
041 NB 093	(G,N)	6.7+ 6	9.4+ 6	EXPT	2P/A	289	325	79	BARKMAN+ Q-VALUE OF PHOTONEUT.	
041 NB 093	(G,N)	3.0+ 8	4.0+ 8	CCP EXPT	SNP	22	226	75	TONAPETYAN+ 90DEG.SIGMA CURVE	+
041 NB 093	(G,X)	4.5+ 8		GER EXPT	NP/A	221	145	74	DAVID+ SIGMA CURVE & TBL	+
041 NB 093	(G,X)	4.5+ 9		CCP EXPT	SNP	34	163	81	VARTAPETYAN+ DISINT.PRODUCT.SIGMA	+
041 NB 093	(G,X)	1.5+ 8	2.8+ 8	UI EXPT	PR	150	867	66	WALTERS+ ISOMER RATIO	+
041 NB 093	(G,X)	6.0+ 7	1.0+ 8	CCP EXPT	SNP	17	124	73	GONCHAROV+ YIELD CURVE	
041 NB 093	(G,X)	1.6+ 7	2.4+ 7	SAC EXPT	PL/B	79	356	78	FINDLAY+	
041 NB 093	(G,X)	4.0+ 7		TOH EXPT	NP/A	175	609	71	LEPRETRE+ SIGMA PLOT	+
041 NB 093	(E,P)	2.0+ 8		CCP EXPT	NP/A	486	512	88	SHODA+ 90DEG. SIGMA CURVE	+
041 NB 093	(E,SCATTERING)	2.3+ 8		CCP EXPT	SNP	5	381	60	BARBER+ DIFF.SIGMA CURVE	+
041 NB 093	(N,G)	3.0+ 1	1.0+ 2	BNL EXPT	PR/C	8	336	67	SHEVCHENKO+ ABSOL.DIFF.SIGMA TBL	+
041 NB 093	(N,G)	2. + 3	8. + 4	CCP THEO	NP	45	156	63	CHRIEN+ ANGULAR CORRELATION	+
041 NB 093	(N,G)	1.0+ 4	1.5+ 5	GER EXPT	NP/A	133	513	69	NEMIROVSKY+ CAL.SIGMA CURVE	+
041 NB 093	(N,G)	1.4+ 7		FR EXPT	NP/A	173	551	71	KOMPE SIGMA CURVE	+
041 NB 093	(N,G)	2.6+ 3	7.0+ 5	ORL EXPT	NSE	59	12	76	RIGAUD+ INTEGRAT.SIGMA TABLE	+
041 NB 093	(N,G)	8. + 6	2.0+ 7	ITY THEO	NSE	61	40	76	MACKLIN SIGMA CURVE	+
041 NB 093	(N,G)	1.0+ 4	7.0+ 4	KFN EXPT	NSE	80	630	82	LONGO+ PHOTON PRODUCT.SIGMA CURVE	+
041 NB 093	(N,G)	1. + 5	3. + 6	RCN COMP	PR/C	41	1941	90	REFFO+ SIGMA CURVE	+
041 NB 093	(N,G)	3. + 3	2.0+ 5	KFK EXPT	PR/C	42	1731	90	KOPECKY+ RADAT.CAPT.SIGMA CURVE	+
041 NB 093	(N,G)	3.6+ 1	5.0+ 2	ANL EXPT	PR	131	2153	63	WISSHAK+ CAPT. SIGMA	+
041 NB 093	(N,G)	NDG		NED THEO	PR/C	41	1941	90	JACKSON ABSOLUTE GAMMA INTENSITY	+
041 NB 093	(N,G)								KOPECKY+ GAMMA STRENGTH FUNCTION	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
041 NB 093	(N,G)	PILE		GER EXPT	NP/A	67	433	65	GRUBER+ GAMMA INTENSITY	
041 NB 093	(N,G)	3.6+ 1	9.4+ 1	ANL EXPT	PR	174	1421	68	PRESTWICH+ RESONANCE SPIN	
041 NB 093	(N,G)	2.5- 2		BNL EXPT	PR/C	3	2054	71	CHRIEN+ RES. PARAM.	
041 NB 093	(N,G)	PILE		CAN EXPT	CJP	66	947	88	KENNETT+ NB-94 LEVEL	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
042 MO 000	(G,ABSORPTION)	6.4+ 6		ISL EXPT	NP/A	252	423	75	MOREH+ ATTENUAT. COEFF.	+
042 MO 000	(G,ELASTIC)	1.1+ 7	1.3+ 7	IND EXPT	NP/A	149	49	70	BASAVARAJU+ DIFF.-SIGMA VALUE	+
042 MO 000	(G,F)	3.0+ 8	9.0+ 8	SND EXPT	NP/A	167	97	71	METHASIRI+ SIGMA PLOT & TABLE	+
042 MO 000	(G,G)	1.3+ 7	3.0+ 7	AUL EXPT	NIM A255		68	87	TAYLOR+	+
042 MO 000	(G,G)	2.8+ 5	6.6+ 5	IND EXPT	NP/A	73	368	65	ANAND+ DIFF.-SIGMA TABLE	+
042 MO 000	(G,G)	2.8+ 6		GOE EXPT	PR/C	23	1375	81	BERG+ DIFF. SIGMA	+
042 MO 000	(G,G)	4.7+ 4		IDF EXPT	PR/C	24	1765	81	BARROS+ RAYLEIGH DIFF. SCAT. SIGMA	+
042 MO 000	(G,SCATTERING)	6.0+ 4		GER EXPT	ZP/A	283	15	77	SCHUMACHER+ RAYLEIGH SCATT. TBL	+
042 MO 000	(G,TOTAL)	6.6+ 8		NBS EXPT	PR	115	351	59	TITUS TOT. PHOTOELECTRIC SIGMA	+
042 MO 000	(G,TOTAL)	3.0+ 4	1.8+ 7	IND EVAL	NSE	51	337	73	RAMANA+ SIGMA CURVE	+
042 MO 000	(E,ABSORPTION)	1.5+ 8	5.0+ 8	CCP EXPT	SNP	23	265	76	VLASENKO+ TOT. HADRONIC SIGMA	+
042 MO 000	(E,ELASTIC)	1.0+ 9	1.2+ 9	CCP THEO	SNP	13	660	71	TITOV+ ELECTROPRODUCT-MECHANISM	+
042 MO 000	(E,ELASTIC)	1.5+ 5	7.5+ 5	GER THEO	NP/A	223	423	74	SMEND+ DIFF.-SIGMA TBL	+
042 MO 000	(E,PION)	1.2+ 9		CCP EXPT	SNP	11	145	70	TITOV+ DOUBL.-DIFF. SIGMA CURVE	+
042 MO 000	(N,G)	1.0+ 1	2.5+ 4	GEL EXPT	NP/A	104	513	67	WEIGMANN+ SIGMA CURVE, RES. PARAM	+
042 MO 000	(N,G)	1.0+ 4	1.5+ 5	GER EXPT	NP/A	133	513	69	KOMPE SIGMA CURVE	+
042 MO 000	(N,G)	2.5- 2		KFK EXPT	ZP	219	114	69	EICHLER CIRCUL. POLARIZAT. OF GAMMA	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
042 MO 092	(G,A)	2.3+ 7		CCP EXPT	SNP	53	9	91	ANTONOV+ INTEGRAT. SIGMA VALUE	+
042 MO 092	(G,G)	1.4+ 7	2.2+ 7	ANL EXPT	PR/C	24	1940	81	BOWLES+ ANGULAR DIST. CURVE	+
042 MO 092	(G,G)	4. + 6		USA EXPT	PR/C	15	193	77	METZGER LIFETIME OF MO-92 LEVELS	+
042 MO 092	(G,N)	1.8+ 7		CCP EXPT	SJA	62	277	87	DAVDOV+	+
042 MO 092	(G,N)	2.1+ 7		PEN EXPT	PR	126	709	62	BIANCO+ ACTIVATION SIGMA VALUE	+
042 MO 092	(G,N)	8. + 6	7.0+ 7	ITY EXPT	NP/A	72	158	65	COSTA+ SIGMA CURVE	+
042 MO 092	(G,N)		2.5+ 6	SAC EXPT	NP/A	227	427	74	BEIL+ SIGMA CURVE & TBL	+
042 MO 092	(G,N)		1.5+ 7	EXPT	YF	35	257	82	FAM ZUI FIEN+ ISOMER RATIO	+
042 MO 092	(G,P)	3.3+ 7		AUL EXPT	NP/A	60	343	64	GELLIE+ SIGMA VALUE	+
042 MO 092	(G,PN)	1.5+ 8	3.1+ 8	USA EXPT	NP/A	157	73	70	WALTERS+ YIELD RATIO	+
042 MO 092	(G,XN)	1.2+ 7	3.0+ 7	CCP EXPT	SNP	11	394	70	ISHKHANOV+ SIGMA CURVE	+
042 MO 092	(G,2N)	8. + 6	2.5+ 6	SAC EXPT	NP/A	227	427	74	BEIL+ SIGMA CURVE & TBL	+
042 MO 092	(G,2N)	1.5+ 8	3.1+ 8	USA EXPT	NP/A	157	73	70	WALTERS+ YIELD RATIO	+
042 MO 092	(G,3N)	8. + 6	2.5+ 6	SAC EXPT	NP/A	227	427	74	BEIL+ SIGMA CURVE & TBL	+
042 MO 092	(E,A)	1.0+ 8		SAS EXPT	PR/C	18	736	78	MURPHY+ ELECTRO ALPHA PRODUCTION	+
042 MO 092	(E,ELASTIC)	2.1+ 8	3.0+ 8	SAC EXPT	NP/A	179	529	72	PHAN XUAN HO+ DIFF. SIGMA TABLE	+
042 MO 092	(E,ELASTIC)	5.1+ 6		UNH EXPT	PR/C	41	2586	90	MILLINAN+ DIFF. SIGMA RATIO	+
042 MO 092	(E,EP)	1.4+ 7	2.6+ 7	TOH EXPT	NP/A	239	397	75	SHODA+ DIFF. SIGMA CURVE	+
042 MO 092	(E,INELASTIC)	2.1+ 8		NED THEO	NP/A	236	10	74	HOFSTRA+ DIFF. SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(KEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
042 MO 092	(E, SCATTERING) AD	5.1+	6	USA EXPT	PR/C	41	2586	90 MILLIMAN+ DIFF. SIGMA CURVE	+
042 MO 092	(E, SCATTERING) CS	2.5+	7	1.2+ 8 UK EXPT	NP/A	216	29	73 SINGHAL+ SIGMA TABLE	+
042 MO 092	(N, G)	2.5+	6	1.5+ 7 CCP EXPT	SNP	12	611	71 GANGRSKII+ SIGMA CURVE & TBL	+
042 MO 092	(N, G)	NDG		BNL EXPT	PR/C	15	1271	77 RIMAWI+ PARTIAL RADIATIVE SIGMA	
042 MO 092	(N, G)	PILE		CAN EXPT	CJP	69	658	91 ISLAM+ GAMMA INTENSITY	
042 MO 092	(N, G)	3.2+	4	BNL EXPT	PR/C	7	1532	73 WASSON+ RES. PARAM.	
042 MO 092	(N, G)	1.0+	5	ORL EXPT	PR/C	8	297	73 WASSON+ PHOTON STRENGTH FUNCTION	
042 MO 092	(N, G)	3. + 2	2.4+ 4	CCP EXPT	SNP	20	260	75 RUDAK+ GAMMA DECAY OF RES. STATE	
042 MO 092	(P, G)	4.0+	6	9.0+ 6 EXPT	SNP	46	17	87 SKAKUN+	
042 MO 094	(G, G)	8.7+	5	GER EXPT	NP/A	282	353	77 SCHUMACHER+ RESONANCE FLUORESC.	+
042 MO 094	(G, N)	8. + 6	2.5+ 6	SAC EXPT	NP/A	227	427	74 BEIL+ SIGMA CURVE & TBL	
042 MO 094	(G, X)	3.0+	7	1.4+ 8 EDG EXPT	NP/A	429	61	84 FLOWERS+ SIGMA CURV	
042 MO 094	(G, 2N)	8. + 6	2.5+ 6	SAC EXPT	NP/A	227	427	74 BEIL+ SIGMA CURVE & TBL	+
042 MO 094	(G, 3N)	3.3+	7	AUL EXPT	NP/A	60	343	64 GELLIE+ SIGMA VALUE	+
042 MO 094	(G, 3N)	8. + 6	2.5+ 6	SAC EXPT	NP/A	227	427	74 BEIL+ SIGMA CURVE & TBL	+
042 MO 094	(E, X)	3.0+	7	1.4+ 8 EDG EXPT	NP/A	429	61	84 FLOWERS+ SIGMA CURV	
042 MO 094	(N, G)	NDG		BNL EXPT	PR/C	15	1271	77 RIMAWI+ PARTIAL RADIATIVE SIGMA	
042 MO 094	(N, G)	PILE		CAN EXPT	CJP	69	658	91 ISLAM+ GAMMA INTENSITY	
042 MO 094	(P, G)	4.0+	6	9.0+ 6 EXPT	SNP	46	17	87 SKAKUN+	
042 MO 095	(G, G)	7.7+	5	1.1+ 6 GER EXPT	NP/A	282	353	77 SCHUMACHER+ RESONANCE FLUORESC.	+
042 MO 095	(N, G)	7.0+	2	ANL EXPT	PR	127	1687	62 JACKSON GAMMA SPEVTRA	
042 MO 095	(N, G)	4.5+	1	1.0+ 3 ANL EXPT	PR	131	2153	63 JACKSON ABSOLUTE GAMMA INTENSITY	
042 MO 095	(N, G)	2.5- 2	2.5+ 4	CCP EXPT	SNP	15	1	72 GAMALII+ N-CAPT. GAMMA SPECTRA	
042 MO 095	(N, G)	PILE		CAN EXPT	CJP	69	658	91 ISLAM+ GAMMA INTENSITY	
042 MO 095	(N, G)	PILE		HUN EXPT	NP	39	605	62 LOVAS+ G-G ANGL. CORRELAT.	
042 MO 095	(N, G)	4.5+	1	1.3+ 3 GEL EXPT	NP/A	117	586	68 COCEVA+ RESONANCE PARAMETER	
042 MO 095	(N, G)	2.5- 2		KFK EXPT	NP/A	147	150	70 EICHLER+ CIRCULAR POLARIZATION	
042 MO 095	(N, G)	2.5- 2		KFK EXPT	NP/A	159	49	70 HECK+ GAMMA TRANSITION	
042 MO 095	(P, G)	4.0+	6	9.0+ 6 EXPT	SNP	46	17	87 SKAKUN+	
042 MO 096	(G, G)	1.4+	7	2.2+ 7 ANL EXPT	PR/C	24	1940	81 BOWLES+ ANGULAR DIST. CURVE	+
042 MO 096	(G, G)	7.8+	5	GER EXPT	NP/A	282	353	77 SCHUMACHER+ RESONANCE FLUORESC.	
042 MO 096	(G, N)	8. + 6	2.5+ 6	SAC EXPT	NP/A	227	427	74 BEIL+ SIGMA CURVE & TBL	+
042 MO 096	(G, 2N)	8. + 6	2.5+ 6	SAC EXPT	NP/A	227	427	74 BEIL+ SIGMA CURVE & TBL	+
042 MO 096	(G, 3N)	8. + 6	2.5+ 6	SAC EXPT	NP/A	227	427	74 BEIL+ SIGMA CURVE & TBL	+
042 MO 096	(N, G)	NDG		BNL EXPT	PR/C	15	1271	77 RIMAWI+ PARTIAL RADIATIVE SIGMA	
042 MO 096	(N, G)	PILE		CAN EXPT	CJP	69	658	91 ISLAM+ GAMMA INTENSITY	
042 MO 096	(P, G)	4.0+	6	9.0+ 6 EXPT	SNP	46	17	87 SKAKUN+	
042 MO 097	(G, P)	3.3+	7	AUL EXPT	NP/A	60	343	64 GELLIE+ SIGMA VALUE	+
042 MO 097	(N, G)	PILE		CAN EXPT	CJP	69	658	91 ISLAM+ GAMMA INTENSITY	

ELEMENT Z S A	QUANTITY	ENERGY (eV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
042 MO 097	(N-G)	4.5+	1 1.3+	3 GEL EXPT	NP/A	117	586	68 COCEVA+ RESONANCE PARAMETER	
042 MO 097	(N-G)	2.5-	2	SWT EXPT	NP/A	165	327	71 HECK+ GAMMA TRANSITION	
042 MO 098	(G-N)	2.0+	7	CCP EXPT	SNP	62	277	87 DAVYDOV+	+
042 MO 098	(G-N)	8. +	6 2.5+	6 SAC EXPT	NP/A	227	427	74 BEIL+ SIGMA CURVE & TBL	+
042 MO 098	(G-NP)		3.3+	7 AUL EXPT	NP/A	60	343	64 GELLIE+ SIGMA VALUE	+
042 MO 098	(G-P)	2.2+	6	EXPT	SJA	58	56	85 DAVYDOV+	+
042 MO 098	(G-P)		3.3+	7 AUL EXPT	NP/A	60	343	64 GELLIE+ SIGMA VALUE	+
042 MO 098	(G-XN)		3.3+	7 AUL EXPT	NP/A	60	343	64 GELLIE+ SIGMA VALUE	+
042 MO 098	(G-XN)	8. +	6 3.0+	7 CCP EXPT	SNP	11	394	70 ISHKHANDV+ SIGMA CURVE	+
042 MO 098	(G-2N)	8. +	6 2.5+	6 SAC EXPT	NP/A	227	427	74 BEIL+ SIGMA CURVE & TBL	+
042 MO 098	(G-3N)	8. +	6 2.5+	6 SAC EXPT	NP/A	227	427	74 BEIL+ SIGMA CURVE & TBL	+
042 MO 098	(N-G)	2.5+	4	BLG EXPT	NP	9	569	58 VERVIER SB-BE SOURCE, SIGMA TBL	+
042 MO 098	(N-G)	NDG		BNL EXPT	PR/C	15	1271	77 RIMAWI+ PARTIAL RADIATIVE SIGMA	+
042 MO 098	(N-G)	PILE		CAN EXPT	CJP	69	658	91 ISLAM+ GAMMA INTENSITY	+
042 MO 098	(N-G)	1.2+	1 8.2+	2 GEL EXPT	NP/A	150	97	70 ROHR+ RESONANCE PARAMETER	+
042 MO 098	(N-G)		5. +	3 BNL EXPT	PR/C	13	578	76 CHRIEN+ RES. PARAM.	+
042 MO 100	(G-G)	6.4+	6 7.9+	6 ISL EXPT	NP/A	227	373	74 WOLF+ RES. PARAM.	+
042 MO 100	(G-N)		3.3+	7 AUL EXPT	NP/A	60	343	64 GELLIE+ SIGMA VALUE	+
042 MO 100	(G-N)	8. +	6 2.5+	6 SAC EXPT	NP/A	227	427	74 BEIL+ SIGMA CURVE & TBL	+
042 MO 100	(G-P)		3.3+	7 AUL EXPT	NP/A	60	343	64 GELLIE+ SIGMA VALUE	+
042 MO 100	(G-2N)	8. +	6 2.5+	6 SAC EXPT	NP/A	227	427	74 BEIL+ SIGMA CURVE & TBL	+
042 MO 100	(G-3N)	8. +	6 2.5+	6 SAC EXPT	NP/A	227	427	74 BEIL+ SIGMA CURVE & TBL	+
042 MO 100	(N-G)	2.5+	4	BLG EXPT	NP	9	569	58 VERVIER SB-BE SOURCE, SIGMA TBL	+
042 MO 100	(N-G)	2. +	5 1.0+	6 COL THEO	PR	116	937	59 MOSSIN-KOTIN+ CAL. SIGMA CURVE	+
042 MO 100	(P-G)	4.0+	6 9.0+	6 EXPT	SNP	46	17	87 SKAKUN+	+
042 MO 100	(P-G)	5. +	6 2.0+	7 UK EXPT	NP/A	119	673	68 DALY+ SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
043 TC 098	(N/G)	2.5-	2	USA EXPT	PR	110	427	58	ANDRES ACTIVATION SIGMA VALUE	+
043 TC 099	(N/G)	2.7+	3 2.0+	6 ORL EXPT	NSE	81	520	82	MACKLIN AV.SIGMA TABLE	+
043 TC 130	(N/G)	2.4+	4	IND EXPT	NP/A	117	545	68	CHAUBEY+ SIGMA VALUE	+
ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
044 RU 099	(G/G)	1.3+	5	USA EXPT	ZP	241	179	71	POTZEL+ RECOILLESS SCATT.	
044 RU 099	(G/G)	8.9+	4	BNL EXPT	PR/C	13	1132	76	KISTNER+ MOESSBAUER EFFECT	
044 RU 099	(N/G)	PILE		CAN EXPT	CJP	69	658	91	ISLAM+ GAMMA INTENSITY	
044 RU 099	(N/G)	2.4+	1 5.6+	2 GEL EXPT	NP/A	117	586	68	COCEVA+ RESONANCE PARAMETER	
044 RU 099	(N/G)	2.5-	2 2.3+	2 BNL EXPT	PR/C	9	1978	74	RIMAWI+ RU-100 LEVEL	
044 RU 100	(N/G)	2.6+	3 5.0+	5 ORL EXPT	NSE	73	174	80	MACKLIN+ AV.SIGMA CURVE	+
044 RU 100	(N/G)	1.0+	4 2.0+	5 EXPT	NP/A	385	301	82	COCEVA+	
044 RU 101	(G/G)	1.3+	5	USA EXPT	ZP	241	179	71	POTZEL+ RECOILLESS SCATT.	
044 RU 101	(N/G)	2.6+	3 5.0+	5 ORL EXPT	NSE	73	174	80	MACKLIN+ AV.SIGMA CURVE	+
044 RU 101	(N/G)	PILE		CAN EXPT	CJP	69	658	91	ISLAM+ GAMMA INTENSITY	
044 RU 101	(N/G)	2.4+	1 5.6+	2 GEL EXPT	NP/A	117	586	68	COCEVA+ RESONANCE PARAMETER	
044 RU 101	(N/G)	2.5-	2 2.3+	2 BNL EXPT	PR/C	9	1978	74	RIMAWI+ RU-102 LEVEL	
044 RU 102	(N/G)	2.6+	3 5.0+	5 ORL EXPT	NSE	73	174	80	MACKLIN+ AV.SIGMA CURVE	+
044 RU 102	(N/G)	1.6+	4 2.0+	5 EXPT	NP/A	385	301	82	COCEVA+	
044 RU 104	(G/N)	4.0+	7	GER EXPT	NP/A	252	1	75	BARTSCH+ ISOMER DECAY	
044 RU 104	(G/P)	4.0+	7	GER EXPT	NP/A	252	1	75	BARTSCH+ TC-103 DECAY	
044 RU 104	(N/G)	2.6+	3 5.0+	5 ORL EXPT	NSE	73	174	80	MACKLIN+ AV.SIGMA CURVE	+
044 RU 104	(N/G)	2.	- 2	GER EXPT	NP/A	219	381	74	HRASTNIK+ RU-105 LEVELS	
044 RU 106	(N/G)	2.5-	2	LRL EXPT	NSE	21	20	65	WERNER+ RES-INTEGRAL & SIGMA	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
045 RH 103	(G,DISINTEGR.) CS	2.4+ 7		SAS EXPT	CJP	37	1344	59 PARSONS DISINT.SIGMA CURVE/VALUE	+
045 RH 103	(G,INELASTIC) CS	7. + 6		ANL EXPT	NP	34	457	62 HUIZENG+ ISOMERIC SIGMA RATIO	+
045 RH 103	(G,N) AD		2.9+ 7	CCP EXPT	SNP	20	128	75 LAZAREVA+ DIFF.SIGMA CURVE	+
045 RH 103	(G,N) CS	7.7+ 6	1.1+ 7	USA EXPT	NP/A	91	365	67 HURST+ SIGMA VALUE	+
045 RH 103	(G,N) CS	1.0+ 9	5.5+ 9	ITY EXPT	NP/A	126	505	69 DE CARVALHO+ SIGMA PLOT	+
045 RH 103	(G,N) ED		2.9+ 7	CCP EXPT	SNP	20	128	75 LAZAREVA+ NEUT.SPECT. CURVE	+
045 RH 103	(G,N) ED	2.9+ 7		CCP EXPT	SNP	42	507	85 LEPESTKIN+ ENERGY DIST. CURVE	+
045 RH 103	(G,P) AD	2.3+ 7	3.4+ 7	CCP EXPT	NP	37	495	62 SHEVCHENKO+ ANGL.& ENERG.DIST.	+
045 RH 103	(G,P) ED	7.0+ 7		CAN EXPT	CJP	34	1480	56 DAWSON ENERGY & ANGL.DISTRIBUTION	+
045 RH 103	(G,SCATTERING) YD	7. + 6	1.8+ 7	STF EXPT	NP/A	62	584	65 KRUGER+ SIGMA-E/G YIELD RATIO	+
045 RH 103	(G,2N) CS	2.0+ 6	5.5+ 6	ITY EXPT	NP/A	126	505	69 DE CARVALHO+ SIGMA PLOT	+
045 RH 103	(E,SCATTERING) YD	7. + 6	1.8+ 7	STF EXPT	NP/A	62	584	65 KRUGER+ SIGMA-E/G YIELD RATIO	+
045 RH 103	(N,G) CS	2. + 3	8. + 4	CCP THEO	NP	45	156	63 NEMIROVSKY+ CAL-SIGMA CURVE	+
045 RH 103	(N,G) CS	1.0+ 1	5.0+ 4	HAR EXPT	NIM	24	445	63 MOXON+ MOXON-RAD DETECTOR,SIGMA CV	+
045 RH 103	(N,G) CS	1.3+ 5	1.8+ 6	ANL EXPT	PR	133	8378	64 COX SIGMA CURVE	+
045 RH 103	(N,G) CS	1.3+ 7	1.5+ 7	HUN EXPT	NP/A	95	229	67 CSIKAI+ SIGMA TABLE	+
045 RH 103	(N,G) CS	1.4+ 7		FR EXPT	NP/A	173	551	71 RIGAUD+ INTEGRAT.SIGMA TABLE	+
045 RH 103	(N,G) CS	2.5+ 4		IND EXPT	PR/C	6	572	72 LAKSHMANA+ ISOMERIC SIGMA	+
045 RH 103	(N,G) CS	1.5+ 7		FR EXPT	NSE	55	17	74 RIGAUD+ SIGMA TABLE	+
045 RH 103	(N,G) CS	5. + 5	3.0+ 6	FR EXPT	NSE	70	53	79 JULY+ SIGMA CURVE & TABLE	+
045 RH 103	(N,G) CS	2.6+ 3	5.0+ 5	ORL EXPT	NSE	73	174	80 MACKLIN+ AV.SIGMA CURVE	+
045 RH 103	(N,G) CS	1.0+ 4	7.0+ 4	KFK EXPT	NSE	80	630	82 REFFO+ SIGMA CURVE	+
045 RH 103	(N,G) CS	3. + 3	2.0+ 5	KFK EXPT	PR/C	42	1731	90 WISSHAK+ CAPT. SIGMA	+
045 RH 103	(N,G) ED	PILE		CCP EXPT	NP	4	91	57 ESTULIN+ N-CAPT.SOFT GAMMA	+
045 RH 103	(N,G) ED	5. + 5	3.0+ 6	CCP EXPT	PR/C	20	2072	79 JULY+ GAM.STRENGTH FUNC.	+
045 RH 103	(N,G) YD	PILE		ANL EXPT	PR	123	629	61 TOIT+ LIFETIME OF LEVEL	+
045 RH 103	(N,G) YD	2.5- 2		ANL EXPT	NP/A	60	241	64 BISHOP+ ISOMER RATIO	+
045 RH 103	(N,G) YD	2.5- 2		USA EXPT	PR/C	2	1793	70 RINAWI+ N-CAPT. GAMMA	+
045 RH 103	(N,G) YD	PILE		CAN EXPT	ZP/A	299	323	81 KENNETT+ GAMMA INTENSITY	+
045 RH 103	(N,G) YD	3.7+ 6	7.0+ 6	CAN EXPT	ZP/A	299	323	85 KENNETT+ GAMMA YIELD	+
045 RH 105	(N,G) CS	PILE		ANL EXPT	NSE	20	298	64 GLENDENIN+ SIGMA VALUE	+
045 RH 105	(N,G) CS	PILE		ANL EXPT	NSE	29	147	67 GLENDENIN+ SIGMA VALUE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
046 PD 000	(G,G)	9.4+	4	AUW EXPT	NIM A257	378	87	SARMA+	+
046 PD 000	(G,T)	3.6+	7	GER EXPT	ZP 199	440	67	KREISEL+	+
046 PD 000	(N,G)	1.0+	4	1.5+ 5 GER EXPT	NP/A 133	513	69	KOMPE	+
								SIGMA CURVE	
046 PD 104	(E,INELASTIC)	7.0+	7	4.4+ 8 NED EXPT	NP/A 535	285	91	WESESELING+	+
046 PD 104	(N,G)	2.6+	3	ORL EXPT	NSE 71	182	79	MACKLIN+	+
								AV.SIGMA CURVE	
046 PD 105	(N,G)	2.6+	3	ORL EXPT	NSE 71	182	79	MACKLIN+	+
046 PD 105	(N,G)	1.+	5	3. + 6 RCN COMP	PR/C 41	1941	90	KOPECKY+	+
046 PD 105	(N,G)	NDG		ANL EVAL	PR/C 2	1951	70	BOLLINGER+	+
046 PD 105	(N,G)	NDG		NED THEO	PR/C 41	1941	90	KOPECKY+	+
046 PD 105	(N,G)	5.2+	1	8.1+ 2 GEL EXPT	NP/A 117	586	68	COCEVA+	+
046 PD 105	(N,G)	1.1+	1	3.6+ 2 BOL EXPT	NP/A 170	153	71	COCEVA+	+
046 PD 105	(N,G)	1.3+	1	7.8+ 1 BLG EXPT	NP/A 218	61	74	COCEVA+	+
								LEVEL STRUCTURE	
046 PD 106	(G,ABSORPTION)	1.2+	7	2.4+ 7 GER THEO	NP/A 91	145	67	ARENHOEVEL+	+
046 PD 106	(G,G)	1.3+	7	CCP EXPT	SNP 25	131	77	GAVRILOV+	+
046 PD 106	(E,INELASTIC)	7.0+	7	4.4+ 8 NED EXPT	NP/A 535	285	91	WESESELING+	+
046 PD 106	(N,G)	2.6+	3	ORL EXPT	NSE 71	182	79	MACKLIN+	+
								AV.SIGMA CURVE	
046 PD 107	(N,G)	7.0+	2	RPI EXPT	NSE 67	54	78	SINGH+	+
046 PD 107	(N,G)	3. +	3	6.0+ 5 ORL EXPT	NSE 89	79	85	MACKLIN	+
								RES. PARAMETER	
046 PD 108	(G,P)	8. +	6	2.9+ 7 AUL EXPT	NP/A 139	501	69	DEAGUE+	+
046 PD 108	(G,PN)	8. +	6	2.9+ 7 AUL EXPT	NP/A 139	501	69	DEAGUE+	+
046 PD 108	(G,XN)	8. +	6	2.9+ 7 AUL EXPT	NP/A 139	501	69	DEAGUE+	+
046 PD 108	(E,INELASTIC)	7.0+	7	4.4+ 8 NED EXPT	NP/A 535	285	91	WESESELING+	+
046 PD 108	(N,G)	2.4+	4	IND EXPT	NP/A 117	545	68	CHAUBEY+	+
046 PD 108	(N,G)	2.6+	3	ORL EXPT	NSE 71	182	79	MACKLIN+	+
046 PD 108	(N,G)	5.3+	5	1.3+ 6 POL EXPT	NP/A 357	1	81	HERMAN+	+
046 PD 108	(N,G)	2.5-	2	ANL EXPT	NP/A 60	241	64	BISHOP+	+
								ISOMER RATIO	
046 PD 110	(G,N)	8. +	6	2.9+ 7 AUL EXPT	NP/A 139	501	69	DEAGUE+	+
046 PD 110	(E,INELASTIC)	7.0+	7	4.4+ 8 NED EXPT	NP/A 535	285	91	WESESELING+	+
046 PD 110	(N,G)	2.6+	3	ORL EXPT	NSE 71	182	79	MACKLIN+	+
046 PD 110	(N,G)	5.3+	5	1.3+ 6 POL EXPT	NP/A 357	1	81	HERMAN+	+
								ACTIVATION SIGMA	

[illegible]

ELEMENT Z S A	QUANTITY	ENERGY(CEV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
047 AG 107	(G,N)	7.7+	6	1.1+	7	USA	EXPT	NP/A 91	365 67 HURST+ SIGMA VALUE	+
047 AG 107	(G,N)	9.5+	6	3.0+	7	LRL	EXPT	PR 177 1745 69 BERMAN+ SIGMA CURVE	+	+
047 AG 107	(G,N)			2.2+	7	USA	EXPT	PR 111 1297 58 BENDEL+ THRESHOLD ENERGY		
047 AG 107	(E,INELASTIC)	2.0+	7	3.0+	7	GER	EXPT	NP/A 195 559 72 KUHL+ SIGMA CURVE	+	+
047 AG 107	(E,INELASTIC)	NDG				GER	EVAL	ZP/A 281 35 77 KNEISSL+ SIGMA CURVE COMPARE.CAL.		
047 AG 107	(E,X)	2.7+	7			USA	EXPT	PR 139 8562 65 HERRING+ SIGMA RATIO	+	+
047 AG 107	(N,G)	2.5+	4			BLG	EXPT	NP 9 569 58 VERRIER SB-BE SOURCE,SIGMA TBL	+	+
047 AG 107	(N,G)	1.5+	5	2.0+	6	COL	THEO	PR 116 937 59 MOSSIN-KOTIN+ CAL.SIGMA CURVE	+	+
047 AG 107	(N,G)	2.4+	4			IND	EXPT	NP/A 66 267 65 CHAUBEY+ ACTIVATION SIGMA VALUE	+	+
047 AG 107	(N,G)	2.6+	3	2.0+	6	ORL	EXPT	NSE 82 400 82 MACKLIN AV.SIGMA TABLE	+	+
047 AG 107	(N,G)	2.5-	2			ANL	EXPT	PR 157 1131 67 BOLOTTIN+ NEUT.CAPT.GAMMA YIELD		
047 AG 108M	(N,G)			2.5-	2	USA	EXPT	NSE 72 357 79 RYVES SIGMA VALUE	+	+
047 AG 109	(G,INELASTIC)	4.1+	5	1.7+	6	FR	EXPT	NP/A 137 520 69 BOIVIN+ ACTIVATION SIGMA	+	+
047 AG 109	(G,N)	7.7+	6	1.1+	7	USA	EXPT	NP/A 91 365 67 HURST+ SIGMA VALUE	+	+
047 AG 109	(G,N)	NDG				BZL	EVAL	NP/A 244 205 75 WOLYNEC+ PHOTO./ELECTRODISINT.		
047 AG 109	(G,N)			2.2+	7	USA	EXPT	PR 111 1297 58 BENDEL+ THRESHOLD ENERGY		
047 AG 109	(E,X)	NDG				BZL	EVAL	NP/A 244 205 75 WOLYNEC+ X=EN,PHOTO./ELECTRODISINT		
047 AG 109	(N,G)	2.6+	3	2.0+	6	GER	EXPT	NSE 82 400 82 MACKLIN AV.SIGMA TABLE	+	+
047 AG 109	(N,G)	2.5-	2			GER	EXPT	ZP 262 189 73 MERTENS+ DEPOLARIZATION PROCESS		
047 AG 109	(N,G)	2.5-	2			ANL	EXPT	PR 157 1131 67 BOLOTTIN+ NEUT.CAPT.GAMMA YIELD		
047 AG 109	(N,G)	5.2+	0			CAN	EXPT	CJP 47 1133 69 ING+ GAMMA YIELD		
047 AG 109	(N,G)	2.5-	2			USA	EXPT	PR/C 12 595 75 CLARK+ NEW ISOMER		
047 AG 110M	(N,G)			PILE		CAN	EXPT	CJP 41 1321 63 HART+ SIGMA VALUE	+	+

ELEMENT Z S A	QUANTITY	ENERGY(CEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
048 CD 000	(G,A) ED	2.1+ 7	3.0+ 7	YUG EXPT	NP	43	170	63 KREGAR+ 90DEG-ALPHA SPECTRA	
048 CD 000	(G,ABSORPTION) CS	6.4+ 6		ISL EXPT	NP/A	252	423	75 MOREH+ ATTENUAT. COEFF.	+
048 CD 000	(G,G)	1.2+ 5	1.4+ 5	AUW EXPT	NIM	A257	378	87 SARMA+	+
048 CD 000	(G,G) AD	4.7+ 5		IDF EXPT	PR/C	24	1765	81 BAROS+ RAYLEIGH DIFF.SCAT.-SIGMA	+
048 CD 000	(G,G) CS	1.5+ 7		GER EXPT	2P	175	430	63 SCHMID+ RESONANT SCATT.	+
048 CD 000	(G,INELASTIC) AD	1.2+ 7	3.0+ 7	GER EXPT	NP/A	147	305	70 ARENHOEVEL+ 150DEG-DIFF.-SIGMA	+
048 CD 000	(G,INELASTIC) CS	1.2+ 7	3.0+ 7	GER EXPT	NP/A	147	305	70 ARENHOEVEL+ TOTAL ABSORP.-SIGMA	+
048 CD 000	(G,N)	2.0+ 7	4.0+ 7	EXPT	CJP	65	677	87 STORM+	
048 CD 000	(G,N)	2.0+ 7	3.0+ 7	EXPT	PR/C	35	479	87 MURAKAMI+	+
048 CD 000	(G,N) ED	6.7+ 6	9.4+ 6	EXPT	2P/A	289	325	79 BARKMAN+ Q-VALUE OF PHOTONEUT.	
048 CD 000	(G,PION 0) AD	3.0+ 8	4.5+ 8	CCP EXPT	SNP	53	379	91 BLEOUSOV+ DIFF.-SIGMA TABLE	+
048 CD 000	(G,SCATTERING) CS	5. + 5	3.0+ 6	MIT EXPT	PR	100	192	55 BURKHARDT 90DEG.SIGMA CURVE	+
048 CD 000	(G,SCATTERING) XX	NDG		MIT EXPT	PR/C	8	1065	73 HAYWARD+ RES. FLUORESCENCE	
048 CD 000	(G,SCATTERING) YD	NDG		ITY EXPT	NP/A	65	344	65 GIANNINI+ RESONANT-SCATT.-LEVEL W	+
048 CD 000	(E,SCATTERING) YD	NDG		GER THEO	2P	179	116	64 THUEMEL BACKSCATT.-SIGMA	
048 CD 000	(N,G) CS	1.0+ 4	1.5+ 5	GER EXPT	NP/A	133	513	69 KOMPE SIGMA CURVE	+
048 CD 000	(N,G) ED	2. - 1	2.3+ 2	ANL EXPT	PR	124	1142	61 JACKSON+ NEUTRON RESONANCE	
048 CD 000	(N,G) YD	2.0+ 5	6.5+ 5	VAL EXPT	PR	107	1650	57 FENSTERMACHER+ RESONT.CAPT.GAMMA	
048 CD 110	(G,INELASTIC) AD	6. + 6	8. + 6	USA EXPT	NP/A	137	115	69 MICHALK+ LEVEL SCHEME	
048 CD 110	(E,INELASTIC) YD	7.0+ 7	4.4+ 8	NED EXPT	NP/A	535	285	91 WESSELING+ FORM FACTOR	
048 CD 110	(N,G) YD		1.0+ 4	COL EXPT	PR/C	10	709	74 LIOU+ RESONANCE PARAM.	
048 CD 110	(P,G) AD	8. + 6	2.2+ 7	EXPT	NP/A	326	26	79 RIGAUD+ RAD.GAM.DIFF. SIGMA	
048 CD 111	(G,ABSORPTION) CS	4.0+ 5		YUG EXPT	PR/C	41	771	90 KRCMAR+ ACTIVATION SIGMA	+
048 CD 111	(G,INELASTIC) CS	7. + 6		ANL EXPT	NP	34	457	62 HUIZENGA+ SIGMA CURVE	+
048 CD 111	(G,INELASTIC) CS		3. + 7	USA EXPT	NP/A	98	529	67 BOOTH+ ISOMER EXCITAT.-SIGMA CURVE	+
048 CD 111	(G,INELASTIC) CS	7.4+ 5	1.3+ 6	FR EXPT	NP/A	137	520	69 BOIVIN+ ACTIVATION SIGMA	+
048 CD 111	(G,X)	1.3+ 6		EXPT	PR/C	35	1943	87 BIKIT+	
048 CD 111	(E,INELASTIC) CS		3. + 7	USA EXPT	NP/A	98	529	67 BOOTH+ ISOMER EXCITAT.-SIGMA CURVE	+
048 CD 111	(N,G) YD		2.3+ 3	ORL EXPT	PR/C	7	780	73 WASSON+ RES. PARAM.	
048 CD 112	(G,G) XX		7.6+ 6	ISL EXPT	PR/C	4	2265	71 MOREH+ LEVEL ENERGY	
048 CD 112	(G,INELASTIC) AD	6. + 6	8. + 6	USA EXPT	NP/A	137	115	69 MICHALK+ LEVEL SCHEME	
048 CD 112	(G,INELASTIC) AD		7.6+ 6	VIR EXPT	PR/C	1	201	70 ESTES+ ANGULAR DIST.PARAM.	
048 CD 112	(G,INELASTIC) CS	7.6+ 6		USA EXPT	PR	152	1062	66 MIN 135DEG.SIGMA VALUE	+
048 CD 112	(G,INELASTIC) YD	7.6+ 6		ITY EXPT	NP/A	132	512	69 CESAREO+ RESONANT FLUORESC.	
048 CD 113	(G,G) YD	5.6+ 6		CCP EXPT	SNP	48	1	88 BEGZHANOV+ RES.SCATT.-LEVEL WIDTH	
048 CD 113	(N,G) ED	2.5- 2		ANL EXPT	PR	124	183	61 SMITHER CAPT.GAMMA SPECTRA	
048 CD 113	(N,G) YD	PILE		BNL EXPT	PR	104	1353	56 MOTZ N-CAPT. GAMMA	
048 CD 113	(N,G) YD	NDG		CCP EXPT	NIM	22	125	63 SUMBAYEV+ GAMMA INTENSITY	
048 CD 113	(N,G) YD	2.5- 2		SWD EXPT	NP/A	80	154	66 BAECKLIN+ INTERNAL CONVERSION	

ELEMENT Z S A	QUANTITY	ENERGY(KEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
048 CD 113	(N-G)	2.5-	2	RCN EXPT	NP/A	124	34	69 ABRAHMS+ GAMMA TRANSITION	
048 CD 113	(N-G)	2.5-	2	KFK EXPT	NP/A	147	150	70 EICHLER+ CIRCULAR POLARIZATION	
048 CD 113	(N-G)	PILE		ILL EXPT	NP/A	412	113	84 MHEEMED+ CD114 LVL TBL	
048 CD 113	(N-G)	PILE		CCP EXPT	SNP	52	398	90 VESNA+ PARITY NON-CONSERV-EFFECT	
048 CD 113	(N-G)	NDG		CCP EXPT	SNP	52	589	90 ALFIMENKOV+ POLARIZATION ASYMMET.	
048 CD 114	(E-SCATTERING)	3.0+	7 6.0+	7 YAL EXPT	NP/A	235	135	74 YEN+ FORM FACTOR	
048 CD 114	(N-G)	2.4+	4	IND EXPT	NP/A	66	267	65 CHAUBEY+ ACTIVATION SIGMA VALUE	+
048 CD 114	(N-G)	5.3+	5 1.3+	6 POL EXPT	NP/A	357	1	81 HERMAN+ ACTIVATION SIGMA	+
048 CD 114	(P-G)	9.0+	6	EXPT	SNP	45	384	87 SKAKUN+	
048 CD 116	(G-N)	2.2+	6	EXPT	SJA	58	56	85 DAVYDOV+	+
048 CD 116	(N-G)	5.3+	5 1.3+	6 POL EXPT	NP/A	357	1	81 HERMAN+ ACTIVATION SIGMA	+
049 IN 000	(G-A)	3.5+	7	ITY EXPT	NP/A	61	316	65 MENEGHETTI+ ALPHA SPECTRUM	+
049 IN 000	(G-INELASTIC)	1.2+	7 3.0+	7 GER EXPT	NP/A	147	305	70 ARENHOEVEL+ 150DEG.DIFF.SIGMA	+
049 IN 000	(G-INELASTIC)	1.2+	7 3.0+	7 GER EXPT	NP/A	147	305	70 ARENHOEVEL+ TOTAL ABSORP.SIGMA	+
049 IN 000	(G-N)	9.0+	6 3.0+	7 LRL EXPT	PR	186	1255	69 FULTZ+ SIGMA CURVE & TBL	+
049 IN 000	(G-N)	6.7+	6 9.4+	6 EXPT	2P/A	289	325	79 BARKMAN+ Q-VALUE OF PHOTONEUT.	+
049 IN 000	(G-SCATTERING)	5.+	5 3.0+	6 MIT EXPT	PR	100	192	55 BURKHARDT 90DEG.SIGMA CURVE	+
049 IN 000	(E-P)	4.0+	7	STF EXPT	NP	16	381	60 BARBER+ DIFF.SIGMA CURVE	+
049 IN 000	(N-G)	2.+	3 8.+	4 CCP THEO	NP	45	156	63 NEMIROVSKY+ CAL.SIGMA CURVE	+
049 IN 000	(N-G)	1.0+	1 5.0+	4 HAR EXPT	NIM	24	445	63 MOXON+ MOXON-RAD DETECTOR,SIGMA CV	+
049 IN 000	(N-G)	8.+	3 1.2+	5 SAF EXPT	NP/A	121	655	68 SPITZ+ SIGMA CURVE	+
049 IN 000	(N-G)	1.0+	4 1.5+	5 GER EXPT	NP/A	133	513	69 KOMPE	+
049 IN 000	(N-G)	1.5+	0 9.1+	0 YAL EXPT	PR	111	906	58 DRAPER+ RESONANT CAPT.GAMMA	+
049 IN 113	(G-INELASTIC)	3.+	7	USA EXPT	NP/A	98	529	67 BOOTH+ ISOMER EXCITAT.SIGMA CURVE	+
049 IN 113	(G-X)	1.+	9	CCP EXPT	SNP	43	685	86 BATII+ PRODUCT YIELD SIGMA	+
049 IN 113	(E-INELASTIC)	3.+	7	USA EXPT	NP/A	98	529	67 BOOTH+ ISOMER EXCITAT.SIGMA CURVE	+
049 IN 113	(E-X)	1.+	9	CCP EXPT	SNP	43	685	86 BATII+ PRODUCT YIELD SIGMA	+
049 IN 113	(N-G)	3.6+	5 1.0+	6 USA EXPT	PR	165	1298	68 GRENOCH+ SIGMA TBL	+
049 IN 113	(N-G)	2.5-	2	DDR EXPT	NP/A	112	474	68 ALEXANDER+ ACTIVATION SIGMA	+
049 IN 113	(N-G)	2.5-	2	3 COL EXPT	PR/C	10	1910	74 HACKEN+ RESONANCE PARAM.	+
049 IN 113	(N-G)	2.5-	2	GER EXPT	NP/A	242	189	75 RABENSTEIN+ GAMMA TRANSIT.	+
049 IN 115	(G-A)	2.3+	7	CCP EXPT	SNP	53	9	91 ANTONOV+ INTEGRAT.SIGMA VALUE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
049 IN 115	(G,G)	1.1+ 6		TOH EXPT	PR/C	33	728	86	YOSHIHARA PHOTOACTIVATION SIGMA	+
049 IN 115	(G,G)	1.5+ 6	2.7+	USA EXPT	PR	188	1837	69	ALSTON RES.FLUORESC.	+
049 IN 115	(G,INELASTIC)	1. + 6	1.4+ 7	MIT EXPT	PR	100	199	55	BURKHARDT+ ISOMERIC EXCIT.CURVE	+
049 IN 115	(G,INELASTIC)		3. + 7	USA EXPT	NP/A	98	529	67	BOOTH+ ISOMER EXCITAT.SIGMA CURVE	+
049 IN 115	(G,INELASTIC)	6. + 5	1.5+ 6	FR EXPT	NP/A	137	520	69	BOIVIN+ ACTIVATION SIGMA	+
049 IN 115	(G,INELASTIC)	1.0+ 8	8.0+ 8	SWD EXPT	NP/A	211	310	73	FORKMAN+ SIGMA CURVE & TABLE	+
049 IN 115	(G,INELASTIC)	NDG		HUN EXPT	NSE	101	233	90	NEMETH+ GAMMA ACTIVATION	+
049 IN 115	(G,N)	7.7+ 6	1.1+ 7	USA EXPT	NP/A	95	365	67	HURST+ SIGMA VALUE	+
049 IN 115	(G,N)		2.2+ 7	USA EXPT	PR	111	1297	58	BENDEL+ THRESHOLD ENERGY	+
049 IN 115	(G,SCATTERING)	7. + 6	1.8+ 7	STF EXPT	NP/A	62	584	65	KRUGER+ SIGMA-E/G YIELD RATIO	+
049 IN 115	(G,X)	5.5+ 7	8.5+ 7	MRY THEO	PR/C	16	1812	77	WU+ PRE-EQUILIBRIUM ANALYSES	+
049 IN 115	(G,X)		1. + 9	CCP EXPT	SNP	43	685	86	BATII+ PRODUCT YIELD SIGMA	+
049 IN 115	(E,INELASTIC)		3. + 7	USA EXPT	NP/A	98	529	67	BOOTH+ ISOMER EXCITAT.SIGMA CURVE	+
049 IN 115	(E,INELASTIC)	1.8+ 8	6.0+ 8	STF EXPT	PR	130	245	63	KENDALL+ FORM FACTOR	+
049 IN 115	(E,INELASTIC)	NDG		USA THEO	PR	174	1525	68	CHERTOK+ COMPARISON OF EXP.&THEOR	+
049 IN 115	(E,SCATTERING)	1.8+ 8		STF EXPT	PR	121	283	61	CRANNELL+ DIFF.SIGMA CURVE	+
049 IN 115	(E,SCATTERING)	3.0+ 8		USA THEO	PR/C	11	829	75	MURPHY+ DIFF. SIGMA CURVE	+
049 IN 115	(E,SCATTERING)	7. + 6	1.8+ 7	STF EXPT	NP/A	62	584	65	KRUGER+ SIGMA-E/G YIELD RATIO	+
049 IN 115	(E,X)		1. + 9	CCP EXPT	SNP	43	685	86	BATII+ PRODUCT YIELD SIGMA	+
049 IN 115	(N,G)	1.3+ 5	1.8+ 6	ANL EXPT	PR	133	B378	64	COX SIGMA CURVE	+
049 IN 115	(N,G)	2.4+ 4		IND EXPT	NP/A	66	267	65	CHAUBEY+ ACTIVATION SIGMA VALUE	+
049 IN 115	(N,G)	9.7+ 5	1.9+ 7	USA EXPT	PR	163	1299	67	MENLOVE+ ACTIVATION SIGMA TBL	+
049 IN 115	(N,G)	3.6+ 5	1.0+ 6	USA EXPT	PR	165	1298	68	GRENC+ SIGMA TBL	+
049 IN 115	(N,G)	1.4+ 7		YUG EXPT	NP/A	158	251	70	CVELBAR+ ACTIVATION SIGMA	+
049 IN 115	(N,G)	NDG		BLG THEO	PR/C	9	723	74	BAUDINET-ROBINET SIGMA TBL	+
049 IN 115	(N,G)	PILE		GER EXPT	ZP/A	272	273	75	MANNHART ACTIVATION SIGMA VALUE	+
049 IN 115	(N,G)	2.0+ 6	7.7+ 6	SWD EXPT	NP/A	443	404	85	ANDERSSON+ SIGMA	+
049 IN 115	(N,G)	2.3+ 4	9.6+ 5	USA EXPT	NSE	94	227	86	GRADY++ SIGMA PLOT	+
049 IN 115	(N,G)	1. - 1	3.9+ 0	BNL EXPT	PR	119	208	60	DOMANIC+ ACTIVATION RATIO	+
049 IN 115	(N,G)	NDG		USA EXPT	PR	123	197	61	GREENFIELD+ ACTIVATION RATIO	+
049 IN 115	(N,G)	1.4+ 0	9.1+ 0	KFK EXPT	NP/A	66	297	65	POENITZ SPIN OF ISOMERIC STATE	+
049 IN 115	(N,G)	2.5- 2		KFK EXPT	NP/A	147	150	70	EICHLER+ CIRCULAR POLARIZATION	+
049 IN 115	(N,G)	1.5+ 0	3.9+ 0	CAN EXPT	NP/A	154	467	70	WAHRER+ RESONANT CAPT.GAMMA	+
049 IN 115	(N,G)	2.5- 2	4.9+ 1	CRL EXPT	NP/A	156	113	70	LONE+ GAMMA INTENSITY	+
049 IN 115	(N,G)	3. + 0	4.3+ 2	BOL EXPT	NP/A	233	185	74	CORVI+ RES. NEUT-CAPT.GAMMA	+
049 IN 115	(N,G)		2. + 3	COL EXPT	PR/C	10	1910	74	HACKEN+ RESONANCE PARAM.	+
049 IN 115	(P,G)	8. + 6	2.7+ 7	USA EXPT	NP/A	326	26	79	RIGAUD+ RAD.GAM.DIFF. SIGMA	+
049 IN 115	(A,G)	5. + 6	4.2+ 7	USA EXPT	NP/A	102	161	67	CARLSON+ SIGMA VALUE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
050 SN 000	(G, ABSORPTION) CS	6.4+	6	ISL EXPT	NP/A	252	423	MOREH+ ATTENUAT. COEFF.	+
050 SN 000	(G, ABSORPTION) CS	3.2+	4	5 IND EXPT	CJP	59	22	PUTTASWAMY+ TOT. ATTENUAT. SIGMA	+
050 SN 000	(G, ABSORPTION) CS	5.0+	3	5 IND EXPT	CJP	59	853	PUTTASWAMY+ K-SHELL PHOTOELECTRIC	+
050 SN 000	(G, ABSORPTION) CS	2.4+	8	3.3+ 8	NP/A	431	573	CARLOS+ 2PT. SIGMA PLOT	+
050 SN 000	(G, E) CS	2.6+	6	USA EXPT	NP/A	80	588	TITUS+ PAIR PRODUCT. SIGMA VALUE	+
050 SN 000	(G, E) CS	3.2+	5	IND EXPT	CJP	55	1592	RANGANATHALAH+ K-SHELL PHOTOSIGMA	+
050 SN 000	(G, ELASTIC) CS	1.2+	6	6 CAN EXPT	CJP	40	622	STANDING+ CO-60 G-SOURCE SIGMA TBL	+
050 SN 000	(G, ELASTIC) CS	2.5+	6	3.5+ 6	PL/B	92	71	MUECKENHEIM+ RADIOACT. SOURCE	+
050 SN 000	(G, F) CS	3.0+	8	9.0+ 8	NP/A	167	97	METHASIRI+ SIGMA PLOT & TABLE	+
050 SN 000	(G, G) CS	3.4+	5	6 AUL EXPT	NIM A255	68	87	TAYLOR+	+
050 SN 000	(G, G) CS	2.8+	5	6.4+ 5	NIM A255	59	87	BRADLEY+	+
050 SN 000	(G, G) CS	3.4+	5	1.4+ 6	NIM A255	78	87	DOW+	+
050 SN 000	(G, G) CS	2.8+	5	1.3+ 6	NP/A	57	547	NATH+ DIFF. SIGMA PLOT	+
050 SN 000	(G, G) CS	2.8+	5	6.6+ 5	NP/A	62	368	ANAND+ DIFF. SIGMA TABLE	+
050 SN 000	(G, G) CS	1.1+	6	IND EXPT	NP/A	62	296	NARASIMHA+ DIFF. SIGMA TABLE	+
050 SN 000	(G, G) CS	2.8+	6	GOE EXPT	PR/C	23	1375	BERG+ DIFF. SIGMA	+
050 SN 000	(G, G) CS	4.7+	5	IDF EXPT	PR/C	24	1765	BARROS+ RAYLEIGH DIFF. SCAT. SIGMA	+
050 SN 000	(G, G) CS	2.8+	5	6.4+ 5	NP/A	80	93	ANAND+ SIGMA CURVE	+
050 SN 000	(G, G) CS	7.0+	6	ITY EXPT	NP/A	101	145	GIANNINI+ LEVEL WIDTH	+
050 SN 000	(G, INELASTIC) CS	1.2+	7	3.0+ 7	NP/A	147	305	ARENHOVEL+ 150DEG. DIFF. SIGMA	+
050 SN 000	(G, INELASTIC) CS	1.2+	7	3.0+ 7	NP/A	147	305	ARENHOVEL+ TOTAL ABSORP. SIGMA	+
050 SN 000	(G, N EMISSION) CS	7.0+	7	CAN EXPT	CJP	33	785	DIXON ENERGY & ANGL. DISTRIBUTION	+
050 SN 000	(G, N EMISSION) CS	3.0+	7	9.0+ 7	NP/A	390	240	LEPRETRE+	+
050 SN 000	(G, N EMISSION) YD	2.5+	7	1.4+ 8	NP/A	390	221	LEPRETRE+	+
050 SN 000	(G, SCATTERING) AD	1.4+	5	IND EXPT	NIM	131	163	ROY+ COHERENT SCATT. SIGMA CURVE	+
050 SN 000	(G, SCATTERING) AD	6.0+	4	GER EXPT	ZP/A	283	15	SCHUMACHER+ RAYLEIGH SCATT. TBL	+
050 SN 000	(G, SCATTERING) CS	5.0+	7	1.3+ 8	MIT EXPT	PR	105	PUGH+ SIGMA CURVE	+
050 SN 000	(G, SCATTERING) CS	6.0+	6	9.4+ 6	AUI EXPT	PR/C	2	AXEL+ SIGMA TBL & CURVE	+
050 SN 000	(G, SCATTERING) XX	NDG		MIT EXPT	PR/C	8	1065	HAYWARD+ RES. FLUORESCENCE	+
050 SN 000	(G, T) CS	9.0+	7	NBS EXPT	NP/A	157	49	CURRIE+ INTEGRAT. SIGMA VALUE	+
050 SN 000	(G, TOTAL) CS	3.0+	4	1.8+ 7	IND EVAL	NSE	51	RAMANA+ SIGMA CURVE	+
050 SN 000	(G, TOTAL) CS	2.+	4	2.4+ 6	IND THEO	NSE	96	SUBBAIAH+ TOT. PHOTO SIGMA CURVE	+
050 SN 000	(G, X) CS	3.0+	7	1.4+ 8	EDG EXPT	NP/A	429	ARAKELIAN+	+
050 SN 000	(G, X) CS	NDG		BLG THEO	PR/C	9	723	BAUDINET-ROBINET SIGMA RATIO CURV	+
050 SN 000	(G, XN) CS	2.5+	7	1.4+ 8	SAC EXPT	NP/A	367	LEPRETRE+ SIGMA CURV. & INTEG. SIGMA	+
050 SN 000	(E, ABSORPTION) CS	2.4+	5	1.4+ 6	GER EXPT	NP/A	58	HANSEN+ SIGMA FOR K IONIZATION	+
050 SN 000	(E, ABSORPTION) CS	2.5+	6	5.0+ 7	GER THEO	ZP	255	BORIE+ CAL. PAIR PRODUCT. SIGMA	+
050 SN 000	(E, ABSORPTION) XX	5.3+	7	9.3+ 7	USA EXPT	ZP	271	BUSKIRK+ MOST PROBABLE ENERGY LOSS	+
050 SN 000	(E, ELASTIC) AD	1.5+	5	7.5+ 5	GER THEO	NP/A	223	SMEND+ DIFF. SIGMA TBL	+
050 SN 000	(E, SCATTERING) AD	1.5+	7	9.0+ 7	MIT THEO	PR	98	GLASSGOLD CAL. SIGMA CURVE	+
050 SN 000	(E, SCATTERING) YD	6.0+	4	1.0+ 5	GER EXPT	ZP	174	BIENLEIN+ BACKSCATTERING	+
050 SN 000	(E, X) DD	3.0+	7	1.4+ 8	EDG EXPT	NP/A	429	FLOWERS+ SIGMA CURV	+
050 SN 000	(N, G) YD	2.0+	4	3.0+ 5	SWD EXPT	NP	39	BERGQVIST+ N-CAPT. GAMMA	+
050 SN 000	(N, G) YD	4.0+	1	2.0+ 2	SAC EXPT	NP/A	122	SAMOUR+ GAMMA WIDTH	+
050 SN 112	(G, N) CS	1.1+	7	2.8+ 7	CCP EXPT	SNP	20	SOROKIN+ SIGMA CURV. & INTEG. SIG. TBL	+
050 SN 112	(G, P) CS	2.2+	6	EXPT	SJA	58	56	DAVYDOV+	+
050 SN 112	(G, P) CS	1.3+	7	2.9+ 7	CCP EXPT	SNP	14	SOROKIN+ SIGMA CURVE & TBL	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
050 SN 112	(G,X)) YD	4.5+ 9		CCP EXPT	SNP	48	395 88	ARAKELIAN+ YIELD OF PRODUCTS	
050 SN 112	(E,SCATTERING) AD	2.3+ 8		CCP EXPT	NP/A	146	15 70	KHASTUNOV+ DIFF.SIGMA TABLE	+
050 SN 112	(P,G))	9.0+ 6		EXPT	SNP	45	384 87	SKAKUN+	
050 SN 114	(G,P)) AD	NDG		CCP THEO	SNP	18	21 74	TERTYCHNYI+ DIFF.SIGMA	
050 SN 114	(G,X)) YD	4.5+ 9		CCP EXPT	SNP	48	395 88	ARAKELIAN+ YIELD OF PRODUCTS	
050 SN 115	(N,G)) YD	2.5- 2		USA EXPT	PR/C	5	922 72	MCCLURE+ GAMMA INTENSITY	
050 SN 116	(G,G)) YD	1.5+ 2	6.3+ 2	BNL EXPT	PR/C	12	1457 75	BHAT+ RES. WIDTH	
050 SN 116	(G,N)) CS	9.6+ 6	3.0+ 7	LRL EXPT	PR	186	1255 69	FULTZ+ SIGMA CURVE & TBL	+
050 SN 116	(G,P)) YD	NDG		TOH EXPT	PR/C	5	1705 72	SUGAWARA+ YIELD CURVE	
050 SN 116	(G,X)) YD	4.5+ 9		CCP EXPT	SNP	48	395 88	ARAKELIAN+ YIELD OF PRODUCTS	
050 SN 116	(E,ELASTIC)) AD	2.3+ 8		CCP EXPT	SNP	14	269 72	LITVINENKO+ DIFF.SIGMA CURVE & TBL	+
050 SN 116	(E,EN)) DD	6.8+ 7	9.9+ 7	UI EXPT	PR/C	43	1677 91	MISKIMEN+ GIANT MULTIPOLE RES.	
050 SN 116	(E,INELASTIC)) XX	1.5+ 8	2.5+ 8	GER THEO	NP/A	225	137 74	MILLER+ FORM FACTOR	
050 SN 116	(E,INELASTIC)) XX	6.0+ 8		SAC COMP	NP/A	358	383 81	FROIS	
050 SN 116	(E,INELASTIC)) YD	NDG		CRC THEO	NP/A	255	86 75	LEE FORM FACTOR	
050 SN 117	(G,N)) CS	6.9+ 6	3.0+ 7	LRL EXPT	PR	186	1255 69	FULTZ+ SIGMA CURVE & TBL	+
050 SN 117	(G,P)) YD	NDG		TOH EXPT	PR/C	5	1705 72	SUGAWARA+ YIELD CURVE	
050 SN 117	(E,SCATTERING) AD	5.0+ 8		STF EXPT	PR/C	9	2230 74	WHITNEY+ SIGMA TABLE	+
050 SN 117	(N,G)) YD	1.3+ 0	3.0+ 3	CCP EXPT	SNP	10	10 70	ADAMCHUK+ RES.PARAM.	
050 SN 118	(G,G)) YD	1.1+ 6	1.2+ 6	YUG EXPT	NP/A	89	412 66	HRASTNIK+ LEVEL WIDTH	
050 SN 118	(G,G)) YD	6.4+ 6	7.9+ 6	ISL EXPT	NP/A	227	373 74	WOLF+ RES. PARAM.	
050 SN 118	(G,INELASTIC)) AD	6. + 6	8. + 6	USA EXPT	NP/A	137	115 69	MICHAEL+ LEVEL SCHEME	
050 SN 118	(G,INELASTIC)) ED	7.0+ 6		EXPT	YF	35	1361 82	BEGSHANOV+	
050 SN 118	(G,INELASTIC)) YD	7.0+ 6		ITY EXPT	NP/A	132	512 69	CESAREO+ RESONANT FLUORESC.	
050 SN 118	(G,N)) CS	9.3+ 6	3.0+ 7	LRL EXPT	PR	186	1255 69	FULTZ+ SIGMA CURVE & TBL	+
050 SN 118	(G,N)) CS	9. + 6	2.8+ 7	CCP EXPT	SNP	20	123 75	SOROKIN+ SIGMA CURV&INTEG.SIG.TBL	+
050 SN 118	(G,P))	2.2+ 6		EXPT	SJA	58	56 85	DAVYDOV+	+
050 SN 118	(G,P)) XX	2.4+ 7		UI EXPT	PR	123	950 61	HUMMEL ISOMER RATIO	
050 SN 118	(G,P)) YD	NDG		TOH EXPT	PR/C	5	1705 72	SUGAWARA+ YIELD CURVE	
050 SN 118	(G,X)) CS	7.5+ 7	8.0+ 8	SWD EXPT	2P/A	275	261 75	BUELOW+ SIGMA CURVE & TABLE	+
050 SN 118	(G,X)) CS	5.5+ 7	8.5+ 7	MRY THEO	PR/C	16	1812 77	WU+ PRE-EQUILIBRIUM ANALYSES	
050 SN 118	(G,X)) CS	4.5+ 9		CCP EXPT	SNP	52	202 90	ARAKELIAN+ X=BE-7,NA-24,SIGMA	+
050 SN 118	(E,ELASTIC)) AD	2.3+ 8		CCP EXPT	SNP	14	269 72	LITVINENKO+ DIFF.SIGMA CURVE & TBL	+
050 SN 118	(E,SCATTERING) AD	2.3+ 8		CCP EXPT	NP/A	146	15 70	KHASTUNOV+ DIFF.SIGMA TABLE	+
050 SN 118	(E,SCATTERING) AD	5.0+ 8		STF EXPT	PR/C	9	2230 74	WHITNEY+ SIGMA TABLE	+
050 SN 118	(N,G)) YD	NDG		BNL EXPT	PR	166	1111 68	BHAT+ RESONANCE PARAM.	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
050 SN 119	(G,N	6.5+	6 3.0+	7 LRL EXPT	PR	186	1255 69	FULTZ+ SIGMA CURVE & TBL	+
050 SN 119	(G,X	4.5+	9	CCP EXPT	SNP	48	395 88	ARAKELIAN+ YIELD OF PRODUCTS	
050 SN 120	(G,G	1.1+	6 1.2+	6 YUG EXPT	NP/A	89	412 66	HRASTNIK+ LEVEL WIDTH	
050 SN 120	(G,N	9.1+	6 3.0+	7 LRL EXPT	PR	186	1255 69	FULTZ+ SIGMA CURVE & TBL	+
050 SN 120	(G,N	9.1+	6 2.8+	7 CCP EXPT	SNP	20	123 75	SOROKIN+ SIGMA CURV&INTEG.SIG.TBL	+
050 SN 120	(G,P	NDG		TOH EXPT	PR/C	5	1705 72	SUGAWARA+ YIELD CURVE	
050 SN 120	(G,PION -	4.5+	9	CCP EXPT	SNP	51	997 90	ARAKELIAN+ RELATIV.YIELD	
050 SN 120	(G,X	4.5+	9	CCP EXPT	SNP	52	202 90	ARAKELIAN+ X=BE-7,NA-24,SIGMA	+
050 SN 120	(G,X	4.5+	9	CCP EXPT	SNP	48	395 88	ARAKELIAN+ YIELD OF PRODUCTS	
050 SN 120	(E-INELASTIC	1.5+	8 2.5+	8 GER THEO	NP/A	225	137 74	MILLER+ FORM FACTOR	
050 SN 120	(E-INELASTIC	NDG		CRC THEO	NP/A	255	86 75	LEE FORM FACTOR	
050 SN 120	(N,G	NDG		BNL EXPT	PR	166	1111 68	BHAT+ RESONANCE PARAM.	
050 SN 122	(G,G	1.1+	2 2.6+	2 BNL EXPT	PR/C	12	1457 75	BHAT+ RES. WIDTH	
050 SN 122	(G,P	NDG		TOH EXPT	PR/C	5	1705 72	SUGAWARA+ YIELD CURVE	
050 SN 122	(G,X	4.5+	9	CCP EXPT	SNP	48	395 88	ARAKELIAN+ YIELD OF PRODUCTS	
050 SN 122	(N,G	5.1+	1 1.1+	4 MTS EXPT	PR/C	15	883 77	CARLTON+ S-123 LEVELS	
050 SN 124	(G,N	8.5+	6 3.0+	7 LRL EXPT	PR	186	1255 69	FULTZ+ SIGMA CURVE & TBL	+
050 SN 124	(G,P	NDG		CCP THEO	SNP	18	21 74	TERTYCHNYI+ DIFF.SIGMA	
050 SN 124	(G,P	1.9+	7 2.9+	7 CCP EXPT	SNP	14	622 72	SOROKIN+ SIGMA CURVE & TBL	+
050 SN 124	(G,P	NDG		TOH EXPT	PR/C	5	1705 72	SUGAWARA+ YIELD CURVE	
050 SN 124	(G,PION -	4.5+	9	CCP EXPT	SNP	51	997 90	ARAKELIAN+ RELATIV.YIELD	
050 SN 124	(G,X	4.5+	9	CCP EXPT	SNP	52	202 90	ARAKELIAN+ X=BE-7,NA-24,SIGMA	+
050 SN 124	(G,X	4.5+	9	CCP EXPT	SNP	48	395 88	ARAKELIAN+ YIELD OF PRODUCTS	
050 SN 124	(E-ELASTIC	2.3+	8 2.3+	8 UFT EXPT	SNP	14	269 72	LITVINENKO+ DIFF.SIGMA CURVE & TBL	+
050 SN 124	(E-INELASTIC	1.5+	8	GER THEO	NP/A	225	137 74	MILLER+ FORM FACTOR	
050 SN 124	(E-INELASTIC	6.0+	8	SAC COMP	NP/A	358	383 81	FROIS	
050 SN 124	(N,G	6.2+	1	HAR EXPT	CJP	43	2156 65	MCNEILL+ N-CAPT.GAMMA ANGL DIST.	
050 SN 124	(N,G	5.1+	1 1.1+	4 MTS EXPT	PR/C	15	883 77	CARLTON+ S-125 LEVELS	
050 SN 124	(N,G	NDG		BNL EXPT	PR	166	1111 68	BHAT+ RESONANCE PARAM.	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
051 SB 000	(G,ELASTIC)	2.5+	6	EXPT	PL/B	92	71	80	MUECKENHEIM+ RADIOACT. SOURCE	
051 SB 000	(G,N)	8.0+	6	EXPT	NP/A	430	99	84	PASSOOL+ SIGMA CURV	
051 SB 000	(G,N)	6.7+	6	EXPT	ZP/A	289	325	79	BARKMAN+ q-VALUE OF PHOTONEUT.	+
051 SB 000	(E,ELASTIC)	5.0+	1	EXPT	ZP	246	348	71	KESSLER+ DIFF.SIGMA CURVE	+
051 SB 000	(N,G)	2.+	3	CCP	NP	45	156	63	NEMIROVSKY+ CAL.SIGMA CURVE	+
051 SB 000	(N,G)	8.+	3	SAF	NP/A	121	655	68	SPITZ+ SIGMA CURVE	+
051 SB 000	(N,G)	6.2+	0	ANL	PR	124	1142	61	JACKSON+ NEUTRON RESONANCE	
051 SB 121	(G,A)	1.6+	7	UI	PR	123	898	61	WOLFE+ SIGMA CURVE	+
051 SB 121	(G,G)	3.5+	6	GER	ZP/A	302	61	81	ENDRES+ RESONANT SCATT.SIGMA CURVE	+
051 SB 121	(G,G)	3.5+	6	GER	ZP/A	302	61	85	ENDRES+ RES.FLUORESC. SCATT.SIGMA	+
051 SB 121	(G,G)	5.+	5	USA	PR/C	7	1490	73	BOOTH+ RES.FLUORESCENCE WIDTH	+
051 SB 121	(G,N)	4.4+	5	AUL	NP	23	468	61	COOTE+ SIGMA VALUE	+
051 SB 121	(G,N)	2.1+	7	PEN	PR	126	709	62	BIANCO+ ACTIVATION SIGMA VALUE	+
051 SB 121	(G,N)	7.7+	6	USA	NP/A	91	365	67	HURST+ SIGMA VALUE	+
051 SB 121	(G,N)	8.7+	6	AML	NP/A	430	99	84	PASSOOL+ SIGMA CURV	+
051 SB 121	(E,SCATTERING)	1.8+	8	STF	PR	121	283	61	CRANNELL+ DIFF.SIGMA CURVE	+
051 SB 121	(N,G)	6.2+	0	CAN	NP/A	137	561	69	ING+ RESONANT CAPT.GAMMA	+
051 SB 121	(N,G)	2.5+	4	IND	PR/C	6	572	72	LAKSHMANA+ ISOMERIC SIGMA	+
051 SB 121	(N,G)	2.5-	2	KFK	NP/A	147	150	70	EICHLER+ CIRCULAR POLARIZATION	+
051 SB 121	(N,G)	0	6.0+	2	SAC	NP/A	223	509	JAIN+ RES. PARAM.	
051 SB 123	(G,G)	NDG		NEG	NP/A	306	101	78	BERANTL+ SB-123 LEVELS	
051 SB 123	(G,G)	1.0+	6	USA	PR/C	7	1490	73	BOOTH+ RES.FLUORESCENCE WIDTH	+
051 SB 123	(G,N)	7.7+	6	AML	NP/A	91	365	67	HURST+ SIGMA VALUE	+
051 SB 123	(G,N)	8.0+	6	AML	NP/A	430	99	84	PASSOOL+ SIGMA CURV	+
051 SB 123	(E,SCATTERING)	1.8+	8	STF	PR	121	283	61	CRANNELL+ DIFF.SIGMA CURVE	+
051 SB 123	(N,G)	2.2+	1	CAN	NP/A	137	561	69	ING+ RESONANT CAPT.GAMMA	+
051 SB 123	(N,G)	1.4+	7	HUN	NP/A	95	229	67	CSIKAI+ SIGMA TABLE	+
051 SB 123	(N,G)	2.5-	2	KFK	NP/A	147	150	70	EICHLER+ CIRCULAR POLARIZATION	+
051 SB 124	(N,G)	PILE		CAN	CJP	44	2956	66	COURTEMANCHE+ SIGMA VALUE	+

ELEMENT Z S A	QUANTITY	ENERGY (eV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
052 TE 000	(G, ABSORPTION)	5. - 1	3. + 0	GER EXPT	ZP/A	282	143 77	FELDMANN+ PHOTODETACH-SIGMA CURVE	+
052 TE 000	(G, F)	5.8+ 8		CAN EXPT	ZP/A	279	331 76	KIELY+ FISSION SIGMA VALUE	+
052 TE 000	(G, G)	5.3+ 6	9.0+ 6	ISL EXPT	PR	178	2013 69	SCHLESINGER+ RES-SCATT.	
052 TE 000	(N, G)	2.5- 2		CCP EXPT	SNP	4	172 67	GROSHEVA+ GAMMA SPECTRA	
052 TE 000	(N, G)	2.0+ 5	6.5+ 5	VAL EXPT	PR	107	1650 57	FENSTERMACHER+ RESONT.CAPT.GAMMA	
052 TE 120	(N, G)	2.5- 2		BNL EXPT	PR	128	761 62	SEHGAL ISOMERIC SIGMA VALUE	+
052 TE 122	(G, G)	5.6+ 5		PEN EXPT	PR	136	B1553 64	PALATHINGAL RES.FLUORESC.	
052 TE 122	(N, G)	1.0+ 2	6.0+ 4	CCP EXPT	SNP	20	133 75	BERGMAN+ SIGMA CURVE	+
052 TE 122	(N, G)	1.0+ 4	2.0+ 5	GER EXPT	PR/C	45	2470 92	WISSHAK+ SIGMA TABLE	+
052 TE 122	(N, G)	1. + 3	6.0+ 4	GER EXPT	PR/C	45	2487 92	XIA+ SIGMA TABLE	+
052 TE 123	(G, INELASTIC)	2. + 6	6. + 6	USA EXPT	PR/C	43	897 91	CARROLL+ ISOMER EXCIT., INTEGR.SIGM	+
052 TE 123	(N, G)	1.0+ 4	2.0+ 5	GER EXPT	PR/C	45	2470 92	WISSHAK+ SIGMA TABLE	+
052 TE 123	(N, G)	1. + 3	6.0+ 4	GER EXPT	PR/C	45	2487 92	XIA+ SIGMA TABLE	+
052 TE 123	(N, G)	1. + 0	5. + 0	USA EXPT	NP/A	82	441 66	VOGT GAMMA SPECTRA	
052 TE 123M	(N, G)	6.7+ 6	9.5+ 6	ANL EXPT	PR/C	11	827 75	HAMERMESH+ N-CAPT GAMMA	
052 TE 124	(N, G)	1.0+ 4	2.0+ 5	GER EXPT	PR/C	45	2470 92	WISSHAK+ SIGMA TABLE	+
052 TE 124	(N, G)	1. + 3	6.0+ 4	GER EXPT	PR/C	45	2487 92	XIA+ SIGMA TABLE	+
052 TE 124	(N, G)	2.5- 2		ANL EXPT	PR	179	1113 69	BUSHNELL+ TE-124 LEVEL	
052 TE 125	(G, INELASTIC)	2. + 6	6. + 6	USA EXPT	PR/C	43	897 91	CARROLL+ ISOMER EXCIT., INTEGR.SIGM	+
052 TE 125	(N, G)	1.0+ 4	2.0+ 5	GER EXPT	PR/C	45	2470 92	WISSHAK+ SIGMA TABLE	+
052 TE 126	(G, G)	6.4+ 6	7.9+ 6	ISL EXPT	NP/A	227	373 74	WOLF+ RES. PARAM.	
052 TE 126	(N, G)	2.4+ 4		IND EXPT	NP/A	66	267 65	CHAUBEY+ ACTIVATION SIGMA VALUE	+
052 TE 126	(N, G)	1.0+ 2	6.0+ 4	CCP EXPT	SNP	20	133 75	BERGMAN+ SIGMA CURVE	+
052 TE 126	(N, G)	1.0+ 4	2.0+ 5	GER EXPT	PR/C	45	2470 92	WISSHAK+ SIGMA TABLE	+
052 TE 128	(N, G)	2.5- 2		ITY EXPT	NSE	35	88 69	MAXIA+ ACTIVATION	+
052 TE 128	(N, G)	5. - 1	7.0+ 3	LRL EXPT	PR/C	8	2405 73	BROWNE+ SIGMA CURVE	+
052 TE 128	(N, G)	1.0+ 2	6.0+ 4	CCP EXPT	SNP	20	133 75	BERGMAN+ SIGMA CURVE	+
052 TE 128	(N, G)	2.5- 2		CSR EXPT	ZP/A	299	183 81	HONZATKO+ PARTIAL SIGMA	+
052 TE 128	(N, G)	2.5- 2		CSR EXPT	ZP/A	299	183 85	HONZATKO+ PARTIAL SIGMA	+
052 TE 128	(N, G)	2.5- 2		ANL EXPT	NP/A	60	241 64	BISHOP+ ISOMER RATIO	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
052 TE 130	(G,G)	6.4+	6 7.9+	6 ISL EXPT	NP/A	227	373 74	WOLF+ RES. PARAM.	+
052 TE 130	(G,P)	7.5+	7 8.0+	8 SWD EXPT	2P/A	282	261 77	BUELOW+ SIGMA CURVE	+
052 TE 130	(N,G)	2.5-	2	BNL EXPT	PR	128	761 62	SENGAL ISOMERIC SIGMA VALUE	+
052 TE 130	(N,G)	1.0+	2 6.0+	4 CCP EXPT	SNP	20	133 75	BERGMAN+ SIGMA CURVE	+
052 TE 130	(P,G)	5.+	6 2.0+	7 UK EXPT	NP/A	56	322 64	DALY+ SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
053 I 127	(G,G)	4.2+	5	USA EXPT	NP/A	63	425 65	LANGHOFF LEVEL WIDTH	+
053 I 127	(G,G)	3.8+	5	GER EXPT	NP/A	127	379 69	LANGHOFF+ LEVEL WIDTH	+
053 I 127	(G,N)	9.7+	6	EXPT	CJP	64	1569 86	TSAL+	+
053 I 127	(G,N)	1.5+	7 2.0+	7	PR/C	36	1286 87	BERMAN+	+
053 I 127	(G,N)	1.8+	7	HUN EXPT	NP	2	371 56	EROE SIGMA DATA	+
053 I 127	(G,N)	9.+	6 3.0+	7 LRL EXPT	PR	148	1198 66	BRAMBLETT+ SIGMA CURVE	+
053 I 127	(G,N)	7.7+	6 1.1+	7 USA EXPT	NP/A	91	365 67	HURST+ SIGMA VALUE	+
053 I 127	(G,N)	1.0+	9 5.5+	9 ITY EXPT	NP/A	126	505 69	DE CARVALHO+ SIGMA PLOT	+
053 I 127	(G,N)	8.+	6 2.3+	7 AML EXPT	PR/C	39	1631 89	RASSOOL+ ABSOLUTE SIGMA	+
053 I 127	(G,N)	9.7+	6	MCM EXPT	CJP	64	1569 86	TSAL+ NEUTRON SPECT.	+
053 I 127	(G,P)	1.8+	7	HUN EXPT	NP	8	650 58	KESZTHELYI+ SIGMA TBL	+
053 I 127	(G,SCATTERING)	1.1+	7	BLG EXPT	NP/A	531	237 91	MONDRY+ RAMAN SCATT.DIFF.SIGMA	+
053 I 127	(G,SCATTERING)	3.0+	5 1.3+	6 IND THEO	NSE	85	426 83	UMESH+ INCOHERENT SCATT.SIGMA TBL	+
053 I 127	(G,X)	2.5+	8 1.+	9 SLD EXPT	NP/A	153	32 70	JONSSON+ ELEMENT PRODUCT.SIGMA	+
053 I 127	(G,X)	1.+	9 7.4+	9 SLD EXPT	NP/A	197	44 72	ANDERSSON+ SIGMA PLOT	+
053 I 127	(G,X)	3.0+	8 8.0+	9 SLD THEO	NP/A	197	71 72	LINDGREN+ SPALLATION REACTION	+
053 I 127	(G,X)	5.0+	7 1.5+	8 MRY THEO	PR/C	16	1812 77	WU+ PRE-EQUILIBRIUM ANALYSES	+
053 I 127	(G,XN)	8.3+	8 SLD EXPT	NP/A	107	52	68	JONSSON+ SIGMA CURVE	+
053 I 127	(G,XN)	8.5+	6 2.5+	7 SAC EXPT	NP/A	133	417 69	BERGERE+ SIGMA CURVE	+
053 I 127	(G,XN)	7.5+	7 9.0+	8 SLD EXPT	NP/A	141	355 70	JONSSON+ SIGMA PLOT,X=6 - 9	+
053 I 127	(G,2N)	1.8+	7	HUN EXPT	NP	2	371 56	EROE SIGMA DATA	+
053 I 127	(G,2N)	2.2+	7 BZL EXPT	NP	22	484 61	NASCIMENTO+ SIGMA CURVE	+	
053 I 127	(G,2N)	1.4+	7 3.0+	7 LRL EXPT	PR	148	1198 66	BRAMBLETT+ SIGMA CURVE	+
053 I 127	(G,3N)	2.0+	6 5.5+	6 ITY EXPT	NP/A	126	505 69	DE CARVALHO+ SIGMA PLOT	+
053 I 127	(E,ABSORPTION)	0.+	0 1.4+	0 USA EVAL	PR	109	2012 58	BIONDI+ ABSOLUT-SIGMA FOR E-ATTACH	+
053 I 127	(E,ABSORPTION)	8.0+	4 1.8+	5 GER EXPT	2P	246	407 71	FRIEDRICH ANNIHILAT-SIGMA	+
053 I 127	(N,G)	2.0+	4 1.+	6 CAL EXPT	PR	113	256 59	BAME+ SIGMA CURVE	+
053 I 127	(N,G)	1.3+	5 1.8+	6 ANL EXPT	PR	133	3378 64	COX SIGMA CURVE	+
053 I 127	(N,G)	2.4+	4	UK EXPT	NP/A	71	417 65	ROBERTSON SIGMA VALUE	+
053 I 127	(N,G)	1.4+	7	GER EXPT	NP/A	111	360 68	DINTER SIGMA VALUE	+
053 I 127	(N,G)	2.1+	6 1.4+	7 RPI THEO	PR	184	1201 69	SPERBER SIGMA TBL	+
053 I 127	(N,G)	1.4+	7	YUG EXPT	NP/A	158	251 70	CVELBAR+ ACTIVATION SIGMA	+
053 I 127	(N,G)	1.5+	7	FR EXPT	NSE	55	17 74	RIGAUD+ SIGMA TABLE	+
053 I 127	(N,G)	3.+	3 2.2+	6 ORL EXPT	NSE	85	350 83	MACKLIN SIGMA TABLE	+
053 I 127	(N,G)	1.4+	7	YUG COMP	2P/A	332	163 89	CVELBAR+ ACTIV.&INTEG. SIGMA	+
053 I 127	(N,G)	1.4+	7	CSR THEO	2P/A	332	163 89	CVELBAR+ INTERGAT-SIGMA	+
053 I 127	(N,G)	PILE		CCP EXPT	NP	4	91 57	ESTULIN+ N-CAPT-SOFT GAMMA	+
053 I 127	(N,G)	2.0+	4 4.0+	6 USA EXPT	PR	114	201 59	GABBARD+ NEUTRON RESONANCE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
053 I 127	(N/G)	PILE		ANL EXPT	PR	123	629	61	TOIT+ LIFETIME OF LEVEL	
053 I 127	(N/G)	2.0+ 4	3.0+ 5	SMD EXPT	NP	39	529	62	BERGQVIST+ N-CAPT.GAMMA	
053 I 127	(N/G)	2.5- 2		CAN EXPT	NP/A	83	241	66	ARCHER+ GAMMA INTENSITY	
053 I 127	(N/G)	2.5- 2		CAN EXPT	NP/A	138	392	69	KORTEING+ TRANSITION GAMMA	
053 I 127	(N/G)	2.5- 2		KFK EXPT	NP/A	147	150	70	EICHLER+ CIRCULAR POLARIZATION	
053 I 127	(N/G)	2.5- 2		SWT EXPT	NP/A	165	415	71	SCHALLER+ N-CAPT GAMMA	
053 I 127	(N/G)	0	6.0+ 2	SAC EXPT	NP/A	223	509	74	JAIN+ RES. PARAM.	
053 I 127	(N/G)	PILE		CAN EXPT	NP/A	335	173	90	ISLAM+ GAMMA TRANSITION	
053 I 127	(N/G)	2.5- 2		CCP EXPT	NP/A	528	317	91	SAKHAROV+ GAMMA INTENSITY	
053 I 127	(N/G)	5. + 6	4.2+ 7	USA EXPT	NP/A	102	161	67	CARLSON+ SIGMA VALUE	+
053 I 129	(N/G)	3. + 3	5.0+ 5	ORL EXPT	NSE	85	350	83	MACKLIN SIGMA TABLE	+
053 I 129	(N/G)	2.5- 2		LIN EXPT	NP/A	494	36	89	SAKHAROV+ I-130 LEVEL	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
054 XE 000	(G,P)	2.4+ 7	3.3+ 7	GER EXPT	2P	225	303	69	HOFMANN+ SIGMA CURVE & TABLE	+
054 XE 000	(G,X)	2.5+ 9		CCP THEO	SNP	5	945	67	NICHIPORUK ELECTRON-POSITRON PAIR	
054 XE 000	(E/SCATTERING) AD	3.7+ 4	1.0+ 5	GER EXPT	2P	196	1	66	FINK+ DIFF.SIGMA	
054 XE 124	(N/G)	2.5- 2		USA EXPT	NP/A	120	329	68	KONDAIAH+ ACTIVAT.SIGMA/ISONER R	+
054 XE 126	(N/G)	2.5- 2		USA EXPT	NP/A	120	329	68	KONDAIAH+ ACTIVAT.SIGMA/ISONER R	+
054 XE 128	(N/G)	2.5- 2		USA EXPT	NP/A	120	329	68	KONDAIAH+ ACTIVAT.SIGMA/ISONER R	+
054 XE 129	(N/G)	2.5- 2		CCP EXPT	SNP	13	647	71	GROSHEV+ GAMMA TRANSITION	
054 XE 129	(N/G)	9.5+ 1		MAN EXPT	PR/C	9	2363	74	GELLETTY+ XE-130 LEVEL	
054 XE 130	(G,G)	5.4+ 5		USA EXPT	PR/C	2	2009	70	KENEALY+ RES.FLUORESCENCE	+
054 XE 130	(N/G)	2.5- 2		USA EXPT	NP/A	120	329	68	KONDAIAH+ ACTIVAT.SIGMA/ISONER R	+
054 XE 131	(G,G)	6.4+ 5	7.2+ 5	USA EXPT	PR/C	2	1506	70	BERMAN+ RESONANCE FLUORESC.	

ELEMENT Z S A	QUANTITY	ENERGY (EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
054 XE 131	(N,G)	2.5- 2		CCP EXPT	SNP	13	647 71	GROSHEV+ GAMMA TRANSITION	
054 XE 131	(N,G)	1.4+ 1		BNL EXPT	PR/C	3	1678 71	GELLETHY+ RES. CAPT. GAMMA	
054 XE 132	(N,G)	2.5- 2		USA EXPT	NP/A	120	329 68	KONDAIAH+ ACTIVAT.SIGMA/ISOMER R	+
054 XE 134	(N,G)	2.5- 2		USA EXPT	NP/A	120	329 68	KONDAIAH+ ACTIVAT.SIGMA/ISOMER R	+
054 XE 135	(N,G)	2.5- 2		CAN EXPT	CJP	37	531 59	FICKEL+ EFF.ABSORPT.SIGMA	+
054 XE 136	(G,N)	2.2+ 7		CCP EXPT	SNP	62	277 87	DAVDOV+	+
054 XE 136	(N,G)	2.5- 2		USA EXPT	NP/A	120	329 68	KONDAIAH+ ACTIVAT.SIGMA/ISOMER R	+
054 XE 136	(N,G)	2.5- 2		LRL EXPT	PR/C	16	1001 77	PRUSSIN+ XE=137 LEVELS	+
054 XE 136	(A,G)	3.5+ 7		WAS EXPT	PR	114	305 59	BALL+ SIGMA CURVE	+
055 CS 133	(G,N)	7.7+ 6	1.1+ 7	USA EXPT	NP/A	91	365 67	HURST+ SIGMA VALUE	+
055 CS 133	(G,N)	2.0+ 6	3.0+ 7	LRL EXPT	PR	177	1745 69	BERMAN+ SIGMA CURVE	+
055 CS 133	(G,N)	9.7+ 6		CAN EXPT	ZP/A	322	597 85	TSAI+ N-CAPT.GAMMA SOURCE	+
055 CS 133	(G,P)	1.8+ 7		HUN EXPT	NP	8	650 58	KESZTHELYI+ SIGMA TBL	+
055 CS 133	(G,PION -)	3.0+ 8	1.0+ 9	JPN EXPT	PR/C	42	1545 90	SAKAMOTO+ BA ISOTOPES YIELD CURVE	+
055 CS 133	(G,PION)	3.0+ 7	1.1+ 9	JPN EXPT	PR/C	42	1545 90	SAKAMOTO+ YIELD CURVE	+
055 CS 133	(E,SCATTERING)	NDG		LAS THEO	PR	131	2101 63	STONE+ SIGMA CURVE	+
055 CS 133	(E,X)	6. - 2	7.1- 2	UI EXPT	PR	128	2679 62	CHEN+ COLLISION SIGMA	+
055 CS 133	(N,G)	2. - 3	8. + 4	CCP THEO	NP	45	156 63	NEMIROVSKY+ CAL.SIGMA CURVE	+
055 CS 133	(N,G)	1.0+ 4	1.5+ 5	GER EXPT	NP/A	133	513 69	KOMPE SIGMA CURVE	+
055 CS 133	(N,G)	2.7+ 3	6.0+ 5	ORL EXPT	NSE	81	418 82	MACKLIN AV.SIGMA TABLE	+
055 CS 133	(N,G)	1.4+ 7		FR EXPT	NP/A	176	545 71	RIGAUD+ GAMMA SPECTRA	+
055 CS 133	(N,G)	2.0+ 4	3.0+ 5	SWD EXPT	NP	39	529 62	BERGQVIST+ N-CAPT.GAMMA	+
055 CS 133	(N,G)	2.5- 2		ANL EXPT	NP/A	60	241 64	BISHOP+ ISOMER RATIO	+
055 CS 133	(N,G)	2.5- 2		CAN EXPT	NP/A	83	241 66	ARCHER+ GAMMA INTENSITY	+
055 CS 133	(N,G)	2.5- 2		CAN EXPT	NP/A	138	392 69	KORTEILING+ TRANSITION GAMMA	+
055 CS 133	(N,G)	2.5- 2		KFK EXPT	NP/A	147	150 70	EICHLER+ CIRCULAR POLARIZATION	+
055 CS 133	(N,G)	2.5- 2		CCP EXPT	NP/A	248	249 75	ALEXEEV+ GAMMA TRANSIT.	+
055 CS 134	(N,G)	2.5- 2		CCP EXPT	NP/A	248	249 75	ALEXEEV+ GAMMA TRANSIT.	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
055 CS 135	(N,G)	PILE		CAN EXPT	CJP	36	863 58	BAERG+ EFFECTIV.SIGMA VALUE	+
056 BA 000	(G,ELASTIC)	4.5+ 6	9.0+ 6	AUI EXPT	PR/C	34	1114 86	LASZEWSKI SIGMA CURVE	+
056 BA 000	(G,TOTAL)	4.5+ 6	9.0+ 6	AUI EXPT	PR/C	34	1114 86	LASZEWSKI SIGMA CURVE	+
056 BA 000	(G,XN)	9. + 6	2.4+ 7	CCP EXPT	NP/A	172	426 71	BEIL+ SIGMA CURVE	+
056 BA 000	(N,G)	1.4+ 7		YUG EXPT	NP/A	158	251 70	CVELBAR+ ACTIVATION SIGMA	+
056 BA 130	(N,G)	5. - 1	5.0+ 3	LRL EXPT	PR/C	7	2522 73	BERMAN+ SIGMA CURVE	+
056 BA 134	(N,G)	2.0+ 4	2.0+ 7	AUS EVAL	NSE	65	368 78	STROHMAIER+ MODEL CAL.-SIGMA CURVE	+
056 BA 135	(N,G)	2.0+ 4	2.0+ 7	AUS EVAL	NSE	65	368 78	STROHMAIER+ MODEL CAL.-SIGMA CURVE	+
056 BA 135	(N,G)	2.5- 2		BNL EXPT	PR	181	1682 69	TRANSITION GAMMA	+
056 BA 135	(N,G)	5.0+ 2		BNL EXPT	PR/C	9	1622 74	CHRIEN+ NEUTRON-CAPTURED GAMMA	+
056 BA 136	(N,G)	2.0+ 4	2.0+ 7	AUS EVAL	NSE	65	368 78	STROHMAIER+ MODEL CAL.-SIGMA CURVE	+
056 BA 137	(N,G)	2.0+ 4	2.0+ 7	AUS EVAL	NSE	65	368 78	STROHMAIER+ MODEL CAL.-SIGMA CURVE	+
056 BA 137	(N,G)	2.5- 2		BNL EXPT	PR	174	1485 68	MARISCOTTI+ GAMMA INTENSITY	+
056 BA 138	(G,G)	1.5+ 6	5.1+ 6	USA EXPT	PR/C	15	1967 77	SWANN RESONANT SCAT.	+
056 BA 138	(G,N)	8. + 6	2.9+ 7	LRL EXPT	PR/C	2	2318 70	BERMAN+ SIGMA CURVE	+
056 BA 138	(G,N)	8.6+ 6		ANL EXPT	PR/C	12	56 75	HOLT+ + SIGMA RATIO	+
056 BA 138	(G,PION +)	1.2+ 9		SWD EXPT	NP/A	162	193 71	BLOMGVIST+ PI+ PRODUCT.SIGMA CURV	+
056 BA 138	(E,P)	2.3+ 7		TOH EXPT	PR/C	4	1842 71	SHODA+ PROTON SPECTRA	+
056 BA 138	(N,G)	1.4+ 7		YUG EXPT	NP/A	213	525 73	POTOKAR+ INTEGRAT.SIGMA VALUE	+
056 BA 138	(N,G)	2.0+ 4	2.0+ 7	AUS EVAL	NSE	65	368 78	STROHMAIER+ MODEL CAL.-SIGMA CURVE	+
056 BA 138	(N,G)	2.5- 2		BNL EXPT	PR	180	1105 69	MORAGUES+ GAMMA ENERGY&INTENSITY	+
056 BA 138	(N,G)	3. + 3	1.0+ 5	AIN EXPT	NP/A	252	301 75	MUSGROVE+ RES. PARAM.	+
056 BA 138	(D,G)	4. + 6	1.5+ 7	USA EXPT	NP/A	86	417 66	PEMENT+ SIGMA TABLE	+
056 BA 138	(D,G)	8. + 6	2.6+ 7	UK EXPT	2P/A	291	377 79	KANTUS+ SIGMA CURVE	+
056 BA 138	(T,G)	6. + 6	1.3+ 7	UK EXPT	NP/A	119	673 68	DALY+ SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS		DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
057 LA 000	(G,F	3.0+	8.0+	8 SWD EXPT	NP/A	167	97	71	METHASIRI+ SIGMA PLOT & TABLE	+
057 LA 000	(G,N	5.5+	7	USA EXPT	NP	30	201	62	REINHARDT+ ANGL.DIST.OF NEUTRON	+
057 LA 000	(G,N	NDG		GER THEO	ZP	179	256	64	HEISS+ DIFF-SIGMA	+
057 LA 000	(G,N	2.1+	7	SAC EXPT	NP	32	236	62	MILLER+ INTEGRAT.SIGMA VALUE	+
057 LA 000	(G,N	8. + 6	3.0+	7 VIR EXPT	PR	134	B557	64	RICE+ SIGMA CURVE	+
057 LA 000	(E,INELASTIC	5.0+	7 6.5+	7 GER EXPT	ZP	260	283	73	PITTHAN+ DIFF.SIGMA CURVE	+
057 LA 139	(G,G	NDG		ISL EXPT	PR/C	2	1938	70	MOREH+ LEVEL ENERGY	+
057 LA 139	(G,INELASTIC	6.1+	6 8.6+	6 ISL EXPT	NP/A	148	369	70	SZICHMAN+ PHOTON EXCITATION	+
057 LA 139	(G,N	7.7+	6 1.1+	7 USA EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
057 LA 139	(G,XN	8.5+	6 2.6+	7 SAC EXPT	NP/A	121	463	68	BERGERE+ MONOCHRO.PHOTON SIGMA	+
057 LA 139	(G,XN	9. + 6	2.4+	7 CCP EXPT	NP/A	172	426	71	BEIL+ SIGMA CURVE	+
057 LA 139	(G,XN	8. + 6	2.4+	7 AUL EXPT	NP/A	191	305	72	DEAGUE+ SIGMA CURVE	+
057 LA 139	(E,ELASTIC	2.3+	8	CCP EXPT	NP/A	101	187	67	SHEVCHENKO+ DIFF.SIGMA CURVE/TBL	+
057 LA 139	(E,EP	NDG		TOH THEO	PR/C	3	2006	71	SHODA+ MATRIX ELEMENT	+
057 LA 139	(E,INELASTIC	1.4+	7 1.7+	7 TOH EXPT	NP/A	294	141	78	UEGAKI+ DIF. SIGMA	+
057 LA 139	(E,P	1.5+	7 2.5+	7 EXPT	NP/A	341	125	80	UEGAKI+ ALSO PHOTON SPECTRA	+
057 LA 139	(E,P	1.4+	7 1.7+	7 TOH EXPT	NP/A	294	141	78	UEGAKI+ DIF. SIGMA	+
057 LA 139	(N,G	1.5+	7	USA EXPT	PR	118	242	60	WILLE+ SIGMA TBL	+
057 LA 139	(N,G	1.4+	7	HUN EXPT	NP/A	95	229	67	CSIKAI+ SIGMA TABLE	+
057 LA 139	(N,G	1.5+	7	FR EXPT	NSE	55	17	74	RIGAUD+ SIGMA TABLE	+
057 LA 139	(N,G	PILE		GER EXPT	ZP/A	272	273	75	MANNHART+ ACTIVATION SIGMA VALUE	+
057 LA 139	(N,G	1.4+	7	FR EXPT	NP/A	176	545	71	RIGAUD+ GAMMA SPECTRA	+
057 LA 139	(N,G	PILE		CAN EXPT	CJP	68	1237	90	ISLAM+ GAMMA INTENSITY	+
057 LA 139	(N,G	2.5-	2	CAN EXPT	NP/A	89	241	66	HUGHES+ GAMMA INTENSITY	+
057 LA 139	(N,G	2.5-	2	LRL EXPT	PR/C	2	2323	70	JURNEY+ GAMMA INTENSITY	+
057 LA 139	(N,G	2.5-	2	GER EXPT	NP/A	165	560	71	DJADALI+ LEVEL SPIN	+
057 LA 139	(D,G	6. + 6	1.8+	7 UK EXPT	NP/A	119	673	68	DALY+ SIGMA CURVE	+
057 LA 139	(A,G	1.0+	7 3.6+	7 UK EXPT	NP/A	119	673	68	DALY+ SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY (eV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
058 CE 000	(G, ABSORPTION)	CS	6.4+ 6	ISL EXPT	NP/A	252	423	75 MOREH+ ATTENUAT. COEFF.	+
058 CE 000	(G, ELASTIC)	CS	2.5+ 6 3.5+ 6	EXPT	PL/B	92	71	80 MUECKENHEIM+ RADIOACT. SOURCE	+
058 CE 000	(G, ELASTIC)	CS	4.5+ 6 9.0+ 6	AUI EXPT	PR/C	34	1114	86 LASZEWSKI SIGMA CURVE	+
058 CE 000	(G, G)	AD	2.8+ 6	GOE EXPT	PR/C	23	1375	81 BERG+ DIFF. SIGMA	+
058 CE 000	(G, N)	CS	2.1+ 7	SAC EXPT	NP	32	236	62 MILLER+ INTEGRAT. SIGMA VALUE	+
058 CE 000	(G, TOTAL)	CS	4.5+ 6 9.0+ 6	AUI EXPT	PR/C	34	1114	86 LASZEWSKI SIGMA CURVE	+
058 CE 000	(G, XN)	CS	8.+ 6 2.5+ 7	SAC EXPT	NP/A	133	417	69 BERGERE+ SIGMA CURVE	+
058 CE 000	(G, XN)	CS	9.+ 6 2.4+ 7	CCP EXPT	NP/A	172	426	71 BEIL+ SIGMA CURVE	+
058 CE 000	(G, XN)	CS	2.5+ 7 1.4+ 8	SAC EXPT	NP/A	367	237	81 LEPRETRE+ SIGMA CURV. & INTEG. SIGMA	+
058 CE 000	(E, INELASTIC)	AD	5.0+ 7 6.5+ 7	GER EXPT	2P	260	283	73 PITTHAN DIFF. SIGMA CURVE	+
058 CE 000	(N, G)	CS	1.0+ 4 2.0+ 5	KFK EXPT	NP/A	141	602	70 KOMPE+ SIGMA CURVE & TABLE	+
058 CE 000	(N, G)	ED	1.4+ 7	FR EXPT	NP/A	176	545	71 RIGAUD+ GAMMA SPECTRA	+
058 CE 138	(N, G)	CS	2.5- 2	BNL EXPT	PR	128	761	62 SEHGAL ISOMERIC SIGMA VALUE	+
058 CE 140	(G, G)	CS	5.7+ 6	ISL EXPT	NP/A	218	95	74 TENENBAUM+ SCATT. SIGMA TBL	+
058 CE 140	(G, N)	CS	9.1+ 6	ANL EXPT	PR/C	13	2257	76 LASZEWSKI+ SIGMA RATIO	+
058 CE 140	(G, SCATTERING)	YD	1.6+ 6	BNL EXPT	PR	116	725	59 OFER+ RES. FLUORESCENCE	+
058 CE 140	(E, INELASTIC)	CS	4.+ 6 4.8+ 7	EXPT	PR/C	19	1251	79 PITTHAN+ 2ANG., 9RES.	+
058 CE 140	(E, INELASTIC)	YD	NDG	USA EXPT	PRL	41	1276	78 PITTHAN+ GOR ANALYSIS	+
058 CE 140	(E, P)	ED	2.3+ 7	TOH EXPT	PR/C	4	1842	71 SHODA+ PROTON SPECTRA	+
058 CE 140	(N, G)	CS	PILE	ORL EXPT	NSE	20	302	64 LANTZ+ SIGMA VALUE	+
058 CE 140	(N, G)	CS	8.+ 6 2.0+ 7	ITY THEO	NSE	61	40	76 LONGO+ PHOTON PRODUCT. SIGMA CURVE	+
058 CE 140	(N, G)	YD	2.5- 2	BNL EXPT	PR/C	1	1052	70 GELLETLY+ LEVEL OF CE-141	+
058 CE 140	(N, G)	YD	2.5- 2	GER EXPT	NP/A	165	560	71 DJADALI+ LEVEL SPIN	+
058 CE 140	(N, G)	YD	6.2+ 6 1.6+ 7	LND EXPT	NP/A	295	256	78 BERGQVIST+ PARTIAL SIGMA	+
058 CE 140	(P, G)	AD	9.5+ 6 1.1+ 7	USA EXPT	NP/A	128	388	69 EJIRI+ PARTIAL SIGMA	+
058 CE 142	(N, G)	ED	2.5- 2	MAN EXPT	PR/C	13	1434	76 GELLETLY CE-143 LEVELS	+
058 CE 142	(P, G)	CS	NDG	UK THEO	NP/A	56	331	64 DALY+ CAL. SIGMA CURVE	+
058 CE 142	(P, G)	CS	5.+ 6 2.0+ 7	UK EXPT	NP/A	56	322	64 DALY+ SIGMA CURVE	+
058 CE 142	(P, G)	CS	1.0+ 7 5.0+ 7	HAR THEO	NP/A	66	293	65 CLEMENT+ SIGMA CURVE	+
058 CE 144	(N, G)	CS	2.5- 2	ORL EXPT	NSE	13	289	62 LANTZ SIGMA & RES. INTEGRAL	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
059 PR 139	(G,N)	1.0+	7 2.8+	7 ITY EXPT	NP	27	25 61	BORELLO+ SIGMA CURVE	+
059 PR 139	(G,2N)	1.7+	7 2.8+	7 ITY EXPT	NP	27	25 61	BORELLO+ SIGMA CURVE	+
059 PR 141	(G,G)	6.9+	6	ISL EXPT	NP/A	218	95	TENENBAUM+ SCATT.SIGMA TBL	+
059 PR 141	(G,G)	4.8+	6 7.5+	6 ISL EXPT	PR	178	1961 69	MOREH+ PR-141 LEVEL	+
059 PR 141	(G,INELASTIC)	6.	+ 6 8.	+ 6 USA EXPT	NP/A	137	115 69	MICHALK+ LEVEL SCHEME	+
059 PR 141	(G,INELASTIC)	6.1+	6 8.8+	6 ISL EXPT	NP/A	160	409 71	PAVEL+ RADIATION WIDTH	+
059 PR 141	(G,N)	1.5+	7 2.0+	7 EXPT	PR/C	36	1286 87	BERMAN+	+
059 PR 141	(G,N)	5.5+	7	USA EXPT	NP	30	201 62	REINHARDT+ ANGL.DIST.OF NEUTRON	+
059 PR 141	(G,N)	3.0+	7 ITY EXPT	NP	NP	10	423 59	FERRERO+ SIGMA CURVE	+
059 PR 141	(G,N)	4.4+	5 1.8+	7 AUL EXPT	NP	23	468 61	COOTE+ SIGMA VALUE	+
059 PR 141	(G,N)	2.1+	7	PEN EXPT	PR	126	709 62	BIANCO+ ACTIVATION SIGMA VALUE	+
059 PR 141	(G,N)	8.	+ 6 3.0+	7 VIR EXPT	PR	134	B557 64	RICE+ SIGMA CURVE	+
059 PR 141	(G,N)	8.	+ 6 6.5+	7 USA EXPT	PR	143	730 66	COOK+ SIGMA CURVE	+
059 PR 141	(G,N)	8.5+	6 3.0+	7 LRL EXPT	PR	148	1198 66	BRAMBLETT+ SIGMA CURVE	+
059 PR 141	(G,N)	7.7+	6 1.1+	7 USA EXPT	NP/A	91	365 67	HURST+ SIGMA VALUE	+
059 PR 141	(G,N)	9.	+ 6 1.7+	7 AUL EXPT	NP/A	109	385 68	CANNINGTON+ SIGMA CURVE	+
059 PR 141	(G,N)	9.	+ 6 3.3+	7 GER EXPT	NP/A	181	477 72	DREYER+ SIGMA CURVE,INTEGRAT.SIGMA	+
059 PR 141	(G,N)	2.2+	7 2.8+	7 CAN EXPT	CJP	48	950 70	MCNEILL+ N SPECTRUM	+
059 PR 141	(G,P)	2.3+	7 3.4+	7 CCP EXPT	NP	37	495 62	SHEVCHENKO+ ANGL.& ENERG.DIST.	+
059 PR 141	(G,XN)	9.	+ 6 2.4+	7 CCP EXPT	NP/A	172	426 71	BEIL+ SIGMA CURVE	+
059 PR 141	(G,XN)	8.	+ 6 2.4+	7 AUL EXPT	NP/A	191	305 72	DEAGUE+ SIGMA CURVE	+
059 PR 141	(G,2N)	3.0+	7 ITY EXPT	NP	NP	10	423 59	FERRERO+ SIGMA CURVE	+
059 PR 141	(G,2N)	1.6+	7 3.0+	7 LRL EXPT	PR	148	1198 66	BRAMBLETT+ SIGMA CURVE	+
059 PR 141	(G,3N)	3.3+	7 BZL EXPT	NP	26	321 61	MOSCATI INTEGRAL SIGMA	+	
059 PR 141	(G,3N)	2.8+	7 3.3+	7 LRL EXPT	PR	148	1198 66	BRAMBLETT+ SIGMA CURVE	+
059 PR 141	(E,EP)	NDG		TOH THEO	PR/C	3	2006 71	SHODA+ MATRIX ELEMENT	+
059 PR 141	(E,INELASTIC)	5.0+	7 6.5+	7 GER EXPT	NP	260	283 73	PITTHAN DIFF.SIGMA CURVE	+
059 PR 141	(E,INELASTIC)	1.4+	7 1.7+	7 TOH EXPT	NP/A	294	141 78	UEGAKI+ DIF. SIGMA	+
059 PR 141	(E,P)	1.5+	7 2.5+	7 EXPT	NP/A	341	125 80	UEGAKI+ ALSO PHOTON SPECTRA	+
059 PR 141	(E,P)	1.4+	7 1.7+	7 TOH EXPT	NP/A	294	141 78	UEGAKI+ DIF. SIGMA	+
059 PR 141	(N,G)	1.5+	7	USA EXPT	PR	118	242 60	WILLE+ SIGMA TBL	+
059 PR 141	(N,G)	1.3+	7 1.5+	7 HUN EXPT	NP/A	95	229 67	CSIKAI+ SIGMA TABLE	+
059 PR 141	(N,G)	1.4+	7	YUG COMP	NP/A	332	163 89	CVELBAR+ ACTIV.&INTEG. SIGMA	+
059 PR 141	(N,G)	1.4+	7	CSR THEO	NP/A	332	163 89	CVELBAR+ INTERGAT.SIGMA	+
059 PR 141	(N,G)	2.5-	2	CAN EXPT	NP/A	89	241 66	HUGHES+ GAMMA INTENSITY	+
059 PR 141	(N,G)	2.5-	2	KFK EXPT	NP/A	147	150 70	EICHLER+ CIRCULAR POLARIZATION	+
059 PR 141	(N,G)	3.4-	2	NED EXPT	NP/A	157	577 70	MELLEMA+ GAMMA INTENSITY	+
059 PR 141	(N,G)	PILE		MCM EXPT	CJP	59	1212 81	KENNETT+ PR-142 LEVEL	+
059 PR 141	(N,G)	6.	+ 6 1.7+	7 USA EXPT	NP/A	195	78 72	HASINOFF+ DIFF.SIGMA CURVE	+
059 PR 143	(N,G)	PILE		CRL EXPT	CJP	37	907 59	ROY+ EFF.SIGMA, RES-INTEGRAL	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
060 ND 000	(G,ELASTIC) CS	2.5+ 6 3.5+ 6		EXPT	PL/B	92	71 80	MUECKENHEIM+ RADIOACT. SOURCE	+
060 ND 000	(G,F) CS	3.0+ 8 9.0+ 8		SWD EXPT	NP/A	167	97 71	METHASIRI+ SIGMA PLOT & TABLE	+
060 ND 000	(G,XN) CS	9. + 6 2.4+ 7		CCP EXPT	NP/A	172	426 71	BEIL+ SIGMA CURVE	+
060 ND 000	(E,ELASTIC) AD	1.5+ 5 7.5+ 5		GER THEO	NP/A	223	423 74	SNEND+ DIFF. SIGMA TBL	+
060 ND 142	(G,G) CS	6.9+ 6		ISL EXPT	NP/A	218	95 74	TENENBAUM+ SCATT. SIGMA TBL	+
060 ND 142	(G,INELASTIC) YD	4.1+ 6		GER EXPT	NP/A	509	587 90	PLITZ+ RES. FLUDRESC., GAMMA WIDTH	
060 ND 142	(G,INELASTIC) YD			GER EXPT	NP/A	506	223 90	HEIL+ PARIITY ASSIGNMENT	
060 ND 142	(G,N) CS	9. + 6 2.0+ 7		SAC EXPT	NP/A	172	437 71	CARLOS+ MEASUR. BY MONOCHRO PHOTON	+
060 ND 142	(G,2N) CS	1.7+ 7 2.0+ 7		SAC EXPT	NP/A	172	437 71	CARLOS+ MEASUR. BY MONOCHRO PHOTON	+
060 ND 142	(E,ELASTIC) CS	4.0+ 7 6.0+ 7		YAL EXPT	NP/A	168	97 71	MADSEN+ SIGMA RATIO	
060 ND 142	(E,INELASTIC) XX	4.0+ 7 6.0+ 7		YAL EXPT	NP/A	168	97 71	MADSEN+ FORM FACTOR	
060 ND 142	(E,P) AD	1.6+ 7 2.6+ 7		TOH EXPT	PR/C	16	958 77	SAITO+ (G,P) SIGMA	+
060 ND 142	(E,P) ED	2.3+ 7 2.6+ 7		TOH EXPT	PR/C	4	1842 71	SHODA+ PROTON SPECTRA	
060 ND 142	(N,G) YD	2.5- 2		CCP EXPT	SNP	8	371 69	KARZHAVINA+ RES. PARAM.	
060 ND 142	(N,G) YD			CCP EXPT	SNP	8	619 69	GROSHEV+ GAMMA INTENSITY	
060 ND 143	(G,A) CS	2.3+ 7		CCP EXPT	SNP	53	9 91	ANTONOV+ INTEGRAT. SIGMA VALUE	+
060 ND 143	(G,N) CS	9. + 6 2.0+ 7		SAC EXPT	NP/A	172	437 71	CARLOS+ MEASUR. BY MONOCHRO PHOTON	+
060 ND 143	(G,2N) CS	1.4+ 7 2.0+ 7		SAC EXPT	NP/A	172	437 71	CARLOS+ MEASUR. BY MONOCHRO PHOTON	+
060 ND 143	(N,G) CS	1. + 5 3. + 6		RCN COMP	PR/C	41	1941 90	KOPECKY+ RADAT. CAPT. SIGMA CURVE	+
060 ND 143	(N,G) ED	2.5- 2		DEL EXPT	PR/C	24	2322 81	POSTMA GAMMA SPECTRA	
060 ND 143	(N,G) XX	4.3+ 0 8.5+ 2		USA EXPT	PR/C	5	2030 72	STOLOVY+ RESONANCE SPIN	
060 ND 143	(N,G) XX	NDG		NED THEO	PR/C	41	1941 90	KOPECKY+ GAMMA STRENGTH FUNCTION	
060 ND 143	(N,G) YD	1.0+ 3		CCP EXPT	SNP	8	371 69	KARZHAVINA+ RES. PARAM.	
060 ND 143	(N,G) YD	2.5- 2		CCP EXPT	SNP	8	619 69	GROSHEV+ GAMMA INTENSITY	
060 ND 143	(N,G) YD	2.5- 2		GER EXPT	NP/A	165	560 71	DJADALI+ LEVEL SPIN	
060 ND 143	(N,G) YD	5.5+ 1 4.5+ 2		GEL EXPT	NP/A	185	229 72	WEIGMANN+ N-CAPT. GAMMA	
060 ND 143	(N,G) YD	PILE		MCM EXPT	ZP/A	315	103 84	PRESTWICH+ E2 TRANST. WIDTH TBL	
060 ND 143	(N,G) YD	PILE		CCP EXPT	SNP	44	552 86	VASIL'EVA+ GAMMA YIELD	
060 ND 144	(G,N) CS	8. + 6 2.0+ 7		SAC EXPT	NP/A	172	437 71	CARLOS+ MEASUR. BY MONOCHRO PHOTON	+
060 ND 144	(G,SCATTERING) XX	2.2+ 6		USA EXPT	PR	187	1700 69	MEITZER LEVEL WIDTH	
060 ND 144	(G,2N) CS	1.4+ 7 2.0+ 7		SAC EXPT	NP/A	172	437 71	CARLOS+ MEASUR. BY MONOCHRO PHOTON	+
060 ND 144	(N,G) YD	1.0+ 3		CCP EXPT	SNP	8	371 69	KARZHAVINA+ RES. PARAM.	
060 ND 144	(N,G) YD	2.5- 2		CCP EXPT	SNP	8	619 69	GROSHEV+ GAMMA INTENSITY	
060 ND 144	(N,G) YD	2.5- 2		ORL EXPT	PR/C	12	260 75	HILLIS+ ND-145 LEVEL SCHEME	
060 ND 145	(G,A) CS	2.3+ 7		CCP EXPT	SNP	53	9 91	ANTONOV+ INTEGRAT. SIGMA VALUE	+
060 ND 145	(G,N) CS	1.0+ 7 2.0+ 7		SAC EXPT	NP/A	172	437 71	CARLOS+ MEASUR. BY MONOCHRO PHOTON	+
060 ND 145	(G,2N) CS	1.3+ 7 2.0+ 7		SAC EXPT	NP/A	172	437 71	CARLOS+ MEASUR. BY MONOCHRO PHOTON	+
060 ND 145	(N,G) ED	4.3- 2		ANL EXPT	PR/C	14	75 76	BUSHNELL+ ND-146 LEVEL SCHEME	
060 ND 145	(N,G) XX	4.3+ 0 8.5+ 2		USA EXPT	PR/C	5	2030 72	STOLOVY+ RESONANCE SPIN	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
060 ND 145	(N/G				SNP	8	371	69	KARZHAVINA+ RES.PARAM.	
060 ND 145	(N/G	2.5- 2	1.0+ 3	CCP EXPT	SNP	8	619	69	GROSHEV+ GAMMA INTENSITY	
060 ND 146	(G, INELASTIC) YD	4.1+ 6		GER EXPT	NP/A	509	587	90	PITZ+ RES.FLUORESC.+ GAMMA WIDTH	+
060 ND 146	(G,N) CS	7. + 6	2.2+ 7	CCP EXPT	SNP	13	259	71	VASIL'EV+ SIGMA CURVE	+
060 ND 146	(G,N) CS	8. + 6	2.0+ 7	SAC EXPT	NP/A	172	437	71	CARLOS+ MEASUR. BY MONOCHRO PHOTON	+
060 ND 146	(G,2N) CS	1.3+ 7	2.0+ 7	SAC EXPT	NP/A	172	437	71	CARLOS+ MEASUR. BY MONOCHRO PHOTON	+
060 ND 146	(E, ELASTIC) CS	4.0+ 7	6.0+ 7	VAL EXPT	NP/A	168	97	71	MADSEN+ SIGMA RATIO	
060 ND 146	(E, INELASTIC) XX	4.0+ 7	6.0+ 7	VAL EXPT	NP/A	168	97	71	MADSEN+ FORM FACTOR	
060 ND 146	(N/G) CS	PILE		CAN EXPT	CJP	51	1454	73	RICABARRA+ SIGMA/RES.INTEGRAL	+
060 ND 146	(N/G) YD	2.5- 2	1.0+ 3	CCP EXPT	SNP	8	371	69	KARZHAVINA+ RES.PARAM.	
060 ND 146	(N/G) YD	2.5- 2		CCP EXPT	SNP	8	619	69	GROSHEV+ GAMMA INTENSITY	
060 ND 146	(N/G) YD	2.5- 2		ILL EXPT	NP/A	246	380	75	ROUSSILLE+ ND-147 LEVEL	
060 ND 148	(G,A) CS	2.3+ 7		CCP EXPT	SNP	53	9	91	ANTONOV+ INTEGRAT.SIGMA VALUE	+
060 ND 148	(G, INELASTIC) YD	4.1+ 6		GER EXPT	NP/A	509	587	90	PITZ+ RES.FLUORESC.+ GAMMA WIDTH	
060 ND 148	(G,N) CS	8. + 6	1.9+ 7	SAC EXPT	NP/A	172	437	71	CARLOS+ MEASUR. BY MONOCHRO PHOTON	+
060 ND 148	(G,2N) CS	1.3+ 7	1.9+ 7	SAC EXPT	NP/A	172	437	71	CARLOS+ MEASUR. BY MONOCHRO PHOTON	+
060 ND 148	(N/G) CS	PILE		CAN EXPT	CJP	51	1454	73	RICABARRA+ SIGMA/RES.INTEGRAL	+
060 ND 148	(N/G) YD	1.0+ 3		CCP EXPT	SNP	8	371	69	KARZHAVINA+ RES.PARAM.	
060 ND 150	(G, INELASTIC) YD	4.1+ 6		GER EXPT	NP/A	509	587	90	PITZ+ RES.FLUORESC.+ GAMMA WIDTH	
060 ND 150	(G, INELASTIC) YD	4.1+ 6	2.2+ 7	CCP EXPT	NP/A	506	223	90	HEIL+ PARITY ASSIGNMENT	
060 ND 150	(G,N) CS	1.0+ 7	2.0+ 7	SAC EXPT	NP/A	172	437	71	CARLOS+ MEASUR. BY MONOCHRO PHOTON	+
060 ND 150	(G,2N) CS	1.2+ 7	2.0+ 7	SAC EXPT	NP/A	172	437	71	CARLOS+ MEASUR. BY MONOCHRO PHOTON	+
060 ND 150	(E, ELASTIC) CS	4.0+ 7	6.0+ 7	VAL EXPT	NP/A	168	97	71	MADSEN+ SIGMA RATIO	
060 ND 150	(E, INELASTIC) XX	4.0+ 7	6.0+ 7	VAL EXPT	NP/A	168	97	71	MADSEN+ FORM FACTOR	
060 ND 150	(N/G) CS	PILE		CAN EXPT	CJP	51	1454	73	RICABARRA+ SIGMA/RES.INTEGRAL	+
060 ND 150	(N/G) YD	1.0+ 3		CCP EXPT	SNP	8	371	69	KARZHAVINA+ RES.PARAM.	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
061 PM 147	(N,G)	PILE		CRL EXPT	CJP	49	108 71	MOWATT+ SIGMA VALUE	+
062 SM 000	(G,SCATTERING)	3.0+ 5	1.3+ 6	IND THEO	NSE	85	426 83	UMESH+ INCOHERENT SCATT.SIGMA TBL	+
062 SM 000	(G,XN)	7. + 6	2.5+ 7	SAC EXPT	NP/A	133	417 69	BERGERE+ SIGMA CURVE	+
062 SM 000	(N,G)	3.0+ 4	3.0+ 5	BZL EXPT	NP/A	196	83 72	LEPINE+ SIGMA TABLE	+
062 SM 000	(N,G)	2.5- 2		KFK EXPT	2P	219	114 69	EICHLER CIRCUL.POLARIZAT. OF GAMMA	
062 SM 000	(N,G)	2.0+ 5	6.5+ 5	VAL EXPT	PR	107	1650 57	FENSTERMACHER+ RESONT.CAPT.GAMMA	
062 SM 127	(N,G)	2. + 3	2.4+ 4	BNL EXPT	PR/C	24	1419 81	STELTS+ LEVEL DENSITY	
062 SM 144	(G,G)	9.0+ 6		ISL EXPT	PR/C	6	670 72	ARAD+ SM-144 LEVEL	
062 SM 144	(G,G)	1.2+ 6	3.8+ 6	BAR EXPT	PR/C	14	543 76	METZGER LEVEL WIDTHS	
062 SM 144	(G,N)	7. + 6	3.0+ 7	SAC EXPT	NP/A	225	171 74	CARLOS+ SIGMA CURVE & TBL	+
062 SM 144	(G,2N)	7. + 6	3.0+ 7	SAC EXPT	NP/A	225	171 74	CARLOS+ SIGMA CURVE & TBL	+
062 SM 144	(E,INELASTIC)	2.5+ 8	4.0+ 8	TEL THEO	PR/C	24	80 81	MOINESTER+ CHARG.&TRANSIT.DENSIT.	
062 SM 144	(E,P)	2.3+ 7		TOH EXPT	PR/C	4	1842 71	SHODA+ PROTON SPECTRA	
062 SM 147	(N,G)	PILE		RPI EXPT	NSE	28	139 67	FORMAN+ SIGMA VALUE	+
062 SM 147	(N,G)	1.5+ 0	3.0+ 5	JAE EXPT	NP/A	357	90 81	MIZUMOTO AVERAGE CPAT.SIGMA	+
062 SM 147	(N,G)	2.5- 2		ANL EXPT	PR/C	2	1513 70	BUSS+ LEVEL STRUCTURE	
062 SM 147	(N,G)	2.5- 2		CCP EXPT	SNP	14	265 72	GROSHEV+ GAMMA DECAY	
062 SM 148	(G,G)	1.2+ 6	3.8+ 6	BAR EXPT	PR/C	14	543 76	METZGER LEVEL WIDTHS	+
062 SM 148	(G,N)	7. + 6	2.2+ 7	CCP EXPT	SNP	13	259 71	VASIL'EV+ SIGMA CURVE	+
062 SM 148	(G,N)	7. + 6	3.0+ 7	SAC EXPT	NP/A	225	171 74	CARLOS+ SIGMA CURVE & TBL	+
062 SM 148	(G,2N)	7. + 6	3.0+ 7	SAC EXPT	NP/A	225	171 74	CARLOS+ SIGMA CURVE & TBL	+
062 SM 148	(E,EP)	NDG		TOH THEO	PR/C	3	2006 71	SHODA+ MATRIX ELEMENT	
062 SM 148	(E,INELASTIC)	1.5+ 8	2.2+ 8	EXPT	PR/C	25	2255 82	DOLBIKIN+	
062 SM 148	(E,INELASTIC)	2.5+ 8	4.0+ 8	TEL THEO	PR/C	24	80 81	MOINESTER+ CHARG.&TRANSIT.DENSIT.	
062 SM 149	(N,G)	2.5- 2		NED EXPT	NP/A	137	389 69	REDDINGIUS+ N-CAPT GAMMA	+
062 SM 149	(N,G)	1.5+ 0	3.0+ 5	JAE EXPT	NP/A	357	90 81	MIZUMOTO AVERAGE CPAT.SIGMA	
062 SM 149	(N,G)	PILE		CCP EXPT	NP	4	91 57	ESTULIN+ N-CAPT.SOFT GAMMA	
062 SM 149	(N,G)	2.5- 2		DEL EXPT	PR/C	24	2322 81	POSTMA GAMMA SPECTRA	

ELEMENT Z S A	QUANTITY	ENERGY(CEV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
062 SM 149	(N,G)	4.-	2 3.4+	1 BNL EVAL	NP/A	236	198	74	BEVAR+ RESONANCE ANALYSIS	
062 SM 149	(N,G)	2.5-	2	CCP EXPT	NP	43	669	63	GROSHEV+ GAMMA ENERG.& INTENSITY	
062 SM 149	(N,G)	2.5-	2	ANL EXPT	PR	150	964	66	SMITHER GAMMA SPECTRA	
062 SM 149	(N,G)	2.5-	2	ANL EXPT	PR/C	2	1513	70	BUSS+ LEVEL STRUCTURE	
062 SM 149	(N,G)	4.-	2 3.4+	1 BNL EXPT	NP/A	236	173	74	BEVAR+ RESONANCE LEVELS	
062 SM 149	(N,G)	2. +	3 2.4+	4 BNL EXPT	PR/C	24	1419	81	STELTS+ LEVEL DENSITY	
062 SM 150	(G,G)	1.2+	6 3.8+	6 BAR EXPT	PR/C	14	543	76	METZGER LEVEL WIDTHS	+
062 SM 150	(G,N)	7. +	6 3.0+	7 SAC EXPT	NP/A	225	171	74	CARLOS+ SIGMA CURVE & TBL	+
062 SM 150	(G,2N)	7. +	6 3.0+	7 SAC EXPT	NP/A	225	171	74	CARLOS+ SIGMA CURVE & TBL	
062 SM 150	(E,INELASTIC)	2.5+	8 4.0+	8 TEL THEO	PR/C	24	80	81	MOINESTER+ CHARG.&TRANSIT.DENSIT.	
062 SM 150	(N,G)	2.5-	2	CCP EXPT	SNP	13	387	71	GROSHEV+ N-CAPT.GAMMA SPECTRA	
062 SM 150	(N,G)	2.5-	2	BLG EXPT	PR/C	33	1141	86	VANDENPUT+ SM-151 LEVEL SCHEME	
062 SM 151	(N,G)	2.5+	3	KAP EXPT	PR/C	11	895	75	KIROUAC+ SIGAM CURVE	+
062 SM 151	(N,G)	2.5-	2	CCP EXPT	SNP	13	387	71	GROSHEV+ N-CAPT.GAMMA SPECTRA	
062 SM 152	(G,G)	9.6+	5	CCP EXPT	SNP	5	176	67	BEGZHANOV+ RES.FLUORESC.SIGMA TBL	+
062 SM 152	(G,G)	9.6+	5	GER EXPT	2P	196	129	66	KALUS+ RES.FLUORESCENCE	
062 SM 152	(G,N)	7. +	6 3.0+	7 SAC EXPT	NP/A	225	171	74	CARLOS+ SIGMA CURVE & TBL	+
062 SM 152	(G,2N)	7. +	6 3.0+	7 SAC EXPT	NP/A	225	171	74	CARLOS+ SIGMA CURVE & TBL	+
062 SM 152	(E,INELASTIC)	NDG	7 1.1+	8 MIT EXPT	PR/C	13	1083	76	COOPER+ SIGMA	+
062 SM 152	(E,INELASTIC)	3.5+	8 2.2+	8 EXPT	PR/C	25	2255	82	DOLBIKIN+	
062 SM 152	(E,INELASTIC)	1.5+	8 2.2+	8 EXPT	PR/C	24	80	81	MOINESTER+ CHARG.&TRANSIT.DENSIT.	+
062 SM 152	(E,INELASTIC)	2.5+	8 4.0+	8 TEL THEO	PR/C	10	2002	74	MERCER+ DIFF.SIGMA CURVE	
062 SM 152	(E,SCATTERING)	5.0+	7 1.1+	8 USA THEO	PR/C	10	309	76	HACHENBERG+EIKONAL EXPANSION METH	+
062 SM 152	(E,SCATTERING)	1.1+	8	GER THEO	2P/A	276	309	76	GIROD+ SIGMA	+
062 SM 152	(E,SCATTERING)	2.5+	8 5.0+	8 SAC EXPT	PR/C	38	1173	88	BENNETT+ PARTIAL SIGMA TABLE	+
062 SM 152	(N,G)	2.5-	2	USA EXPT	NP/A	171	113	71	SMITHER+ SM-153 LEVEL	
062 SM 152	(N,G)	2.5-	2	GER EXPT	PR	187	1632	69		
062 SM 154	(G,ABSORPTION)	7. +	6 2.0+	7 EXPT	NP/A	338	97	80	GUREVICH+	+
062 SM 154	(G,ABSORPTION)	7. +	6 2.0+	7 CCP EXPT	NP/A	351	257	81	GUREVICH+	
062 SM 154	(G,G)	1.2+	6 3.8+	6 BAR EXPT	PR/C	14	543	76	METZGER LEVEL WIDTHS	+
062 SM 154	(G,N)	7. +	6 3.0+	7 SAC EXPT	NP/A	225	171	74	CARLOS+ SIGMA CURVE & TBL	+
062 SM 154	(G,2N)	7. +	6 3.0+	7 SAC EXPT	NP/A	225	171	74	CARLOS+ SIGMA CURVE & TBL	+
062 SM 154	(E,F)	6.0+	7 1.0+	9 LRL EXPT	PR	179	1176	69	MORETTO+ SIGMA TBL	+
062 SM 154	(E,INELASTIC)	3.5+	7 1.1+	8 MIT EXPT	PR/C	13	1083	76	COOPER+ SIGMA	+
062 SM 154	(E,INELASTIC)	NDG	7 1.1+	8 GER THEO	NP/A	509	509	90	LIPAS+ FORM FACTOR	
062 SM 154	(E,INELASTIC)	5.0+	7 2.5+	8 USA THEO	PR/C	10	2002	74	MERCER+ DIFF.SIGMA CURVE	+
062 SM 154	(E,SCATTERING)	2.5+	8	GER THEO	2P/A	276	309	76	HACHENBERG+EIKONAL EXPANSION METH	
062 SM 154	(E,SCATTERING)	5. +	3 1.6+	5 USA EXPT	NSE	49	317	72	FAWCETT+ SIGMA CURVE	+
062 SM 154	(N,G)	2. +	3 2.4+	4 BNL EXPT	PR/C	24	1419	81	STELTS+ LEVEL DENSITY	

ELEMENT Z S A	QUANTITY	ENERGY(KEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
063 EU 000	(N-G)		5.0+ 4	CCP EXPT	SNP	7	310	68 KONKS+ SIGMA CURVE	+
063 EU 000	(N-G)	3.0+ 4	3.0+ 5	BZL EXPT	NP/A	196	83	72 LEPINE+ SIGMA TABLE	+
063 EU 000	(N-G)	3.4+ 5	1.7+ 6	CPR EXPT	NSE	104	277	90 XIANG+ SIGMA TABLE	+
063 EU 151	(G-N)		7.7+ 6	1.1+ 7	USA EXPT	NP/A	91	365 67 HURST+ SIGMA VALUE	+
063 EU 151	(G-N)		7.7+ 6	2.2+ 7	CCP EXPT	SNP	13	259 71 VASIL'EV+ SIGMA CURVE	+
063 EU 151	(G-N)		8.7+ 6	2.5+ 7	AML EXPT	NP/A	406	257 83 BOAL+ SIGMA CURV, INTEG. SIGMA TBL	+
063 EU 151	(N-G)		5.0+ 4	CCP EXPT	SNP	7	310	68 KONKS+ SIGMA CURVE	+
063 EU 151	(N-G)	1.7+ 2	1.7+ 2	ITY EVAL	NSE	37	478	69 ORESTANO+ ACTIVATION SIGMA CURVE	+
063 EU 151	(N-G)	2.5+ 4		IND EXPT	PR/C	6	572	72 LAKSHMANA+ ISOMERIC SIGMA	+
063 EU 151	(N-G)	1.7+ 2	1.0+ 1	SWT EXPT	NSE	60	53	76 WIDDER+ SIGMA CURVE	+
063 EU 151	(N-G)	3.7+ 3	2.2+ 6	ORL EXPT	NSE	95	189	87 MACKLIN AV. SIGMA TABLE & CURVE	+
063 EU 151	(N-G)	1.7+ 2	2.0+ 6	CPR THEO	NSE	104	277	90 XIANG+ SIGMA TABLE	+
063 EU 151	(N-G)		PILE	BNL EXPT	PR	115	1287	59 PATRONIS+ NEUT. CAPT. GAMMA	+
063 EU 151	(N-G)	2.5- 2		KFK EXPT	NP/A	155	21	70 MICHAELIS GAMMA INTENSITY	+
063 EU 151	(N-G)	2.5- 2		GER EXPT	ZP/A	322	669	85 EGIDY+ 2200M/S SIGMA	+
063 EU 151	(A-G)	2.7- 2	7.5- 1	MOL EXPT	NP/A	172	489	71 POORTMANS+ ISOMER RATIO	+
063 EU 153	(G-G)		9.8+ 4	UK EXPT	NP/A	58	407	64 HAMILTON+ MEAN LIFE, DEFORMATION	+
063 EU 153	(G-N)		7.7+ 6	1.1+ 7	USA EXPT	NP/A	91	365 67 HURST+ SIGMA VALUE	+
063 EU 153	(G-N)		8.5+ 6	2.9+ 7	LRL EXPT	PR	185	1576 69 BERMAN+ SIGMA CURVE	+
063 EU 153	(G-N)		7.7+ 6	2.2+ 7	CCP EXPT	SNP	13	259 71 VASIL'EV+ SIGMA CURVE	+
063 EU 153	(G-N)		8.7+ 6	2.5+ 7	AML EXPT	NP/A	406	257 83 BOAL+ SIGMA CURV, INTEG. SIGMA TBL	+
063 EU 153	(N-G)		5.0+ 4	CCP EXPT	SNP	7	310	68 KONKS+ SIGMA CURVE	+
063 EU 153	(N-G)	1.7+ 2	1.0+ 1	SWT EXPT	NSE	60	53	76 WIDDER+ SIGMA CURVE	+
063 EU 153	(N-G)	3.7+ 3	2.2+ 6	ORL EXPT	NSE	95	189	87 MACKLIN AV. SIGMA TABLE & CURVE	+
063 EU 153	(N-G)	1.7+ 2	2.0+ 6	CPR THEO	NSE	104	277	90 XIANG+ SIGMA TABLE	+
063 EU 153	(N-G)		PILE	BNL EXPT	PR	115	1287	59 PATRONIS+ NEUT. CAPT. GAMMA	+
063 EU 153	(N-G)	2.5- 2		GER EXPT	ZP/A	282	97	77 STOEFL+ LEVEL SCHEME OF EU-154	+
063 EU 153	(N-G)	2.5- 2		ROS EXPT	NP/A	417	1	84 ROTTIER+ EU154 LVL TBL	+
063 EU 153	(N-G)	2.5- 2		CCP EXPT	NP/A	455	1	86 PROKOFJEV+ EU-155 LEVEL	+
063 EU 154	(N-G)		2.5- 2	CCP EXPT	NP/A	455	1	86 PROKOFJEV+ EU-155 LEVEL	+
063 EU 154	(D-G)		7.5+ 6	1.8+ 7	EXPT	ZP/A	306	367 82 GIPPERT+	+
063 EU 155	(N-G)		PILE	CRL EXPT	CJP	48	1933	70 MOWATT EFF. ABORPT. SIGMA	+

ELEMENT Z S A	QUANTITY	ENERGY (KEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
064 GD 000	(G, ABSORPTION) CS	NDG		IND EXPT	CJP	67	139	89 LINGAM+ TOT. PHOTOELECTRIC SIGMA	+
064 GD 000	(G, ABSORPTION) CS	NDG		IND EXPT	CJP	67	139	89 CHANDRA+ K-SHELL PHOTOELECT. SIGMA	+
064 GD 000	(G, F)) CS	3.0+ 8	9.0+ 8	IND EXPT	NP/A	167	97	71 METHASIRI+ SIGMA PLOT & TABLE	+
064 GD 000	(G, TOTAL)) CS	3.0+ 4	1.8+ 7	IND EVAL	NSE	51	337	73 RAMANA+ SIGMA CURVE	+
064 GD 000	(G, X)) XX	2.3+ 5	3.3+ 5	KFK EXPT	NP	263	147	73 BOCK+ POLARIZATION	
064 GD 000	(E, ABSORPTION) XX	5.3+ 7	9.3+ 7	USA EXPT	NP/A	146	337	70 BUSKIRK+ MOST PROBABLE ENERGY LOSS	+
064 GD 000	(N, G)) CS	1. + 3	7.5+ 5	USA EXPT	NP/A	146	337	70 FRIESENHAIN+ AVERAGE SIGMA	+
064 GD 000	(N, G)) CS	3.0+ 4	3.0+ 5	B2L EXPT	NP/A	196	83	72 LEPINE+ SIGMA TABLE	+
064 GD 148	(E, SCATTERING) AD	2.0+ 8		GER THEO	NP/A	78	465	66 DRECHSEL DIFF. SIGMA CURVE	+
064 GD 152	(G, N)) CS	7. + 6	2.2+ 7	CCP EXPT	SNP	13	259	71 VASIL'EV+ SIGMA CURVE	+
064 GD 152	(N, G))	1.2+ 1	2.7+ 3	ORL EXPT	NSE	95	304	87 MACKLIN+ SIGMA CURVE	+
064 GD 152	(N, G)) CS	7.1+ 4	2.7+ 6	ORL EXPT	NSE	95	304	87 MACKLIN SIGMA CURVE	+
064 GD 152	(N, G)) YD	NDG		CCP EXPT	SNP	9	523	69 KARZHAVINA+ RES. PARAM.	
064 GD 154	(G, N)) CS	7. + 6	2.2+ 7	CCP EXPT	SNP	13	259	71 VASIL'EV+ SIGMA CURVE	+
064 GD 154	(E, INELASTIC)) XX	NDG		GER THEO	NP/A	509	509	90 LIPAS+ FORM FACTOR	
064 GD 154	(E, SCATTERING) DD	NDG		MIT EXPT	PL/B	132	47	83 HERMAN+ SIGMA RATIO CURV	
064 GD 154	(E, SCATTERING) YD	2.5+ 7	4.8+ 7	THD EXPT	NP/A	499	93	89 HARTMANN+ GD-154 LEVEL	
064 GD 154	(N, G))	1.2+ 1	2.7+ 3	ORL EXPT	NSE	95	304	87 MACKLIN+	
064 GD 154	(N, G)) AD	1.0+ 4	CDL EXPT	PR/C	10	1904	74	RAHN+ RESONANCE PARAM.	
064 GD 154	(N, G)) CS	5. + 3	7.0+ 4	CCP EXPT	SNP	19	2	74 SHORIN+ SIGMA CURVE	+
064 GD 154	(N, G)) CS	7.1+ 4	2.7+ 6	ORL EXPT	NSE	95	304	87 MACKLIN SIGMA CURVE	+
064 GD 154	(N, G)) ED	PILE		CCP EXPT	SNP	33	1	81 BECVAR+ NEUTRON-CAPTURED GAMMA	
064 GD 154	(N, G)) YD	NDG		CCP EXPT	SNP	9	523	69 KARZHAVINA+ RES. PARAM.	
064 GD 154	(N, G)) YD	1.1+ 1	2.2+ 2	CCP EXPT	SNP	34	642	81 BECVAR+ NEUTRON CAPT. GAMMA	
064 GD 155	(G, G)) YD	1.1+ 5		USA EXPT	NP	16	81	60 DEUTCH+ RESONANCE FLUORESC.	
064 GD 155	(E, INELASTIC)) XX	NDG		GER THEO	NP/A	509	509	90 LIPAS+ FORM FACTOR	
064 GD 155	(N, G)) CS	1. + 3	2.0+ 4	USA EXPT	NP/A	146	337	70 FRIESENHAIN+ AVERAGE SIGMA	+
064 GD 155	(N, G)) CS	5. + 3	7.0+ 4	CCP EXPT	SNP	19	2	74 SHORIN+ SIGMA CURVE	+
064 GD 155	(N, G)) XX	NDG		ANL EVAL	PR/C	2	1951	70 BOLLINGER+ N-CAPT. RESONANCE DIST.	
064 GD 155	(N, G)) YD	2.5- 2		KFK EXPT	NP/A	147	150	70 EICHLER+ CIRCULAR POLARIZATION	
064 GD 155	(N, G)) YD	2.5- 2		LRL EXPT	NP/A	179	609	72 SIDDIQI+ GD-156 LEVEL	
064 GD 155	(N, G)) YD	2.5- 2		GER EXPT	NP/A	280	239	77 SEYFARTH+ KX-RAY INTENSITY	
064 GD 155	(N, G)) YD	NDG		CCP EXPT	SNP	52	401	90 BELYAEV+ GAMMA MULTIPLICITY	
064 GD 156	(G, ABSORPTION) CS	7. + 6	2.0+ 7	EXPT	NP/A	338	97	80 GUREVICH+ TOT. ABSORPT. SIGMA CURVE	+
064 GD 156	(G, ABSORPTION) CS	7. + 6	2.0+ 7	CCP EXPT	NP/A	351	257	81 GUREVICH+ TOT. ABSORPT. SIGMA CURVE	+
064 GD 156	(G, G)) YD	3.5+ 6	4.1+ 6	JLU EXPT	NP/A	492	411	89 PITZ+ GD-156 LEVEL	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
064 GD 156	(G,N)	7. + 6	2.2+ 7	CCP EXPT	SNP	13	259	71 VASIL'EV+ SIGMA CURVE	+
064 GD 156	(G,N)	8. + 6	2.5+ 7	AML EXPT	NP/A	406	257	83 BOAL+ SIGMA CURV, INTEG. SIGMA TBL	+
064 GD 156	(G,N)	8. + 6	2.5+ 7	AML EXPT	NP/A	406	257	83 BOAL+ SIGMA CURV, INTEG. SIGMA TBL	+
064 GD 156	(E, INELASTIC)	NDG		GER THEO	NP/A	509	509	90 LIPAS+ FORM FACTOR	+
064 GD 156	(N,G)	5. + 3	7.0+ 4	CCP EXPT	SNP	19	2	74 SHORIN+ SIGMA CURVE	+
064 GD 156	(N,G)	NDG		CCP EXPT	SNP	9	523	69 KARZHAVINA+ RES. PARAM.	
064 GD 157	(E, INELASTIC)	NDG		GER THEO	NP/A	509	509	90 LIPAS+ FORM FACTOR	+
064 GD 157	(N,G)	1. + 3	7.5+ 5	USA EXPT	NP/A	146	337	70 FRIESENHANN+ AVERAGE SIGMA	+
064 GD 157	(N,G)	5. + 3	7.0+ 4	CCP EXPT	SNP	19	2	74 SHORIN+ SIGMA CURVE	+
064 GD 157	(N,G)	NDG		ANL EVAL	PR/C	2	1951	70 BOLLINGER+ N-CAPT. RESONANCE DIST.	
064 GD 157	(N,G)	PILE		CRL EXPT	CJP	37	203	59 KNOWLES GAMMA YIELD	
064 GD 157	(N,G)	NDG		CCP EXPT	SNP	9	523	69 KARZHAVINA+ RES. PARAM.	
064 GD 157	(N,G)	2.5- 2		KFK EXPT	NP/A	147	150	70 EICHLER+ CIRCULAR POLARIZATION	
064 GD 157	(N,G)	NDG		CCP EXPT	SNP	52	401	90 BELYAEV+ GAMMA MULTIPLICITY	
064 GD 158	(G,G)	3.5+ 6	4.1+ 6	JLU EXPT	NP/A	492	411	89 PITZ+ GD-158 LEVEL	+
064 GD 158	(G,N)	7. + 6	2.2+ 7	CCP EXPT	SNP	13	259	71 VASIL'EV+ SIGMA CURVE	+
064 GD 158	(E, INELASTIC)	NDG		GER THEO	NP/A	509	509	90 LIPAS+ FORM FACTOR	
064 GD 158	(N,G)	1.0+ 4	4	COL EXPT	PR/C	10	1904	74 RAHN+ RESONANCE PARAM.	
064 GD 158	(N,G)	5. + 3	7.0+ 4	CCP EXPT	SNP	19	2	74 SHORIN+ SIGMA CURVE	+
064 GD 158	(N,G)	NDG		CCP EXPT	SNP	9	523	69 KARZHAVINA+ RES. PARAM.	
064 GD 160	(G,G)	3.5+ 6	4.1+ 6	JLU EXPT	NP/A	492	411	89 PITZ+ GD-160 LEVEL	+
064 GD 160	(G,N)	7.4+ 6	3.0+ 7	LRL EXPT	PR	185	1576	69 BERMAN+ SIGMA CURVE	+
064 GD 160	(G,N)	7. + 6	3.3+ 7	GER EXPT	NP/A	192	433	72 DREYER+ SIGMA PLOT	+
064 GD 160	(G,P)	7. + 6	3.3+ 7	GER EXPT	NP/A	192	433	72 DREYER+ SIGMA PLOT	+
064 GD 160	(G,PN)	7. + 6	3.3+ 7	GER EXPT	NP/A	192	433	72 DREYER+ SIGMA PLOT	+
064 GD 160	(N,G)	1.0+ 4	4	COL EXPT	PR/C	10	1904	74 RAHN+ RESONANCE PARAM.	
064 GD 160	(N,G)	1.5+ 7		USA EXPT	PR	118	242	60 WILLE+ SIGMA TBL	+
064 GD 160	(N,G)	5. + 3	1.6+ 5	USA EXPT	NSE	49	317	72 FAWCETT+ SIGMA CURVE	+
064 GD 160	(N,G)	5. + 3	7.0+ 4	CCP EXPT	SNP	19	2	74 SHORIN+ SIGMA CURVE	+
064 GD 160	(N,G)	4.6+ 5	3.1+ 6	IND EXPT	CJP	66	330	88 SINGH+ RADIAT. CAPT. SIGMA	+
064 GD 160	(N,G)	NDG		CCP EXPT	SNP	9	523	69 KARZHAVINA+ RES. PARAM.	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
065 TB 159	(G, ABSORPTION)	CS	8. + 6 2.1+	7 GER THEO	PR	157	1109 67	ARENHOEVEL+ RAMAN SCATT. SIGMA	+
065 TB 159	(G, G)	AD	1.1+ 7	ANL EXPT	PR/C	9	1153 74	JACKSON+ PHOTON SCAT.	
065 TB 159	(G, G)	YD	3.6+ 5 5.8+	5 USA EXPT	PR	143	947 66	RAGHAVAN RESONANCE FLUORESC.	
065 TB 159	(G, G)	YD	5.8+ 4	ISL EXPT	NP/A	89	433 66	ATZMONY+ MOESSBAUER EFFECT	
065 TB 159	(G, INELASTIC)	CS	1.2+ 7 3.0+ 7	FR EXPT	NP/A	54	114 64	LANDEVIN+ SIGMA & SPECTRUM	+
065 TB 159	(G, N)	CS	8. + 7 2.5+ 7	NBS EVAL	PR	112	560 58	FULLER+ SIGMA CURVE	+
065 TB 159	(G, N)	CS	8. + 6 2.8+ 7	LRL EXPT	PR	133	8869 64	BRAMBLETT+ SIGMA CURVE	+
065 TB 159	(G, N)	YD	7. + 6 1.1+ 7	NEG EXPT	PR/C	34	2055 86	BIRENBAUM+ YIELD CURVE	+
065 TB 159	(G, XN)	CS	8. + 6 2.8+ 7	SAC EXPT	NP/A	121	463 68	BERGERE+ MONOCHRO. PHOTON SIGMA	+
065 TB 159	(G, XN)	CS	2.0+ 7	MOS EXPT	SNP	23	609 76	GORYACHEV+ PHOTONEUTRON SIGMA	+
065 TB 159	(G, 2N)	CS	1.4+ 7 2.8+ 7	LRL EXPT	PR	133	8869 64	BRAMBLETT+ SIGMA CURVE	+
065 TB 159	(E, A)	AD	1.0+ 8	SAS EXPT	PR/C	18	736 78	MURPHY+ ELECTRO ALPHA PRODUCTION	+
065 TB 159	(N, G)	CS	1.4+ 7	FR THEO	NP/A	189	334 72	BOISSON+ CAL. SIGMA CURVE	+
065 TB 159	(N, G)	CS	3.0+ 4 3.0+ 5	BZL EXPT	NP/A	196	83 72	LEPINE+ SIGMA TABLE	+
065 TB 159	(N, G)	CS	2.6+ 3 7.0+ 5	ORL EXPT	PR/C	17	522 78	MIZUMOTO+ RES. PARAM.	
065 TB 159	(N, G)	ED	1.4+ 7	FR EXPT	NP/A	176	545 71	RIGAUD+ GAMMA SPECTRA	
065 TB 159	(N, G)	YD	2.5- 2	KFK EXPT	NP/A	147	150 70	EICHLER+ CIRCULAR POLARIZATION	
065 TB 159	(N, G)	YD	2.5- 2	SWT EXPT	NP/A	221	333 74	KERN+ TB-160 LEVELS	
065 TB 159	(N, G)	YD	0 6.0+ 2	SAC EXPT	NP/A	223	509 74	JAIN+ RES. PARAM.	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
066 DY 000	(G, ABSORPTION)	CS	NDG	IND EXPT	CJP	67	139 89	LINGAM+ TOT. PHOTOELECTRIC SIGMA	+
066 DY 000	(G, ABSORPTION)	CS	NDG	IND EXPT	CJP	67	139 89	CHANDRA+ K-SHELL PHOTOELECT. SIGMA	+
066 DY 000	(N, G)	CS	3.0+ 4 3.0+ 5	BZL EXPT	NP/A	196	83 72	LEPINE+ SIGMA TABLE	+
066 DY 160	(N, E)	YD	2.5- 2	GER EXPT	NP/A	454	267 86	SCHMIDT+ DY-161 LEVEL	
066 DY 160	(N, G)	CS	3. + 3 7.0+ 5	ORL EXPT	PR/C	30	464 84	BEER+ RES. PARAM TBL. AV. SIGMA TBL	+
066 DY 160	(N, G)	YD	1. + 0 4.0+ 2	COL EXPT	PR/C	11	462 75	LIQU+ DY-161 LEVEL SCHEM	
066 DY 160	(N, G)	YD	2.5- 2 2.4+ 4	GER EXPT	NP/A	454	267 86	SCHMIDT+ DY-161 LEVEL	
066 DY 161	(G, ABSORPTION)	YD	2.6+ 4	GER EXPT	ZP	248	362 71	STEINER+ PHOTOELECT. ABSORPTION	
066 DY 161	(N, G)	CS	3. + 3 7.0+ 5	ORL EXPT	PR/C	30	464 84	BEER+ RES. PARAM TBL. AV. SIGMA TBL	+
066 DY 161	(N, G)	YD	1. + 0 1.9+ 2	COL EXPT	PR/C	11	462 75	LIQU+ DY-162 LEVEL SCHEM	
066 DY 161	(N, G)	YD	2.7+ 0 7.1+ 1	CCP EXPT	SNP	22	1 75	KARZHAVINA+ RESONANCE PARAM.	
066 DY 162	(E, A)	CS	1.0+ 8	SAS EXPT	PR/C	18	736 78	MURPHY+ ELECTRO ALPHA PRODUCTION	+
066 DY 162	(N, G)	YD	2.5- 2	CAL EVAL	PR	154	1146 67	SCHULT+ DY-163 LEVEL	
066 DY 162	(N, G)	YD	1. + 0 2.2+ 3	COL EXPT	PR/C	11	462 75	LIQU+ DY-163 LEVEL SCHEM	
066 DY 162	(N, G)	YD	PILE	MCM EXPT	ZP/A	315	103 84	PRESTWICH+ E2 TRANST. WIDTH TBL	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
066 DY 163	(N,G)	1. + 0 5. +	0	USA EXPT	NP/A	82	441 66	VOGT GAMMA SPECTRA	
066 DY 163	(N,G)	2.5- 2		CAL EXPT	PR	152	1084 66	HAFEMEISTER+ DY-164 LEVEL	
066 DY 163	(N,G)	1. + 0 2.1+ 2		COL EXPT	PR/C	11	462 75	LIQU+ DY-164 LEVEL SCHEM	
066 DY 163	(N,G)	1.7+ 0 1.4+ 2		CCP EXPT	SNP	22	1 75	KARZHAVINA+ RESONANCE PARAM.	
066 DY 163	(N,G)	2.5- 2 2.4+ 4		MUN EXPT	NP/A	504	1 89	SCHMIDT+ GAMMA TRANSITION	
066 DY 164	(E,E)	NDG		EXPT	PL/B	195	326 87	BOHLE+	
066 DY 164	(E,INELASTIC)	NDG		GER THEO	NP/A	509	90	LIPAS+ FORM FACTOR	+
066 DY 164	(N,G)	1.5+ 7		USA EXPT	PR	118	242 60	WILLE+ SIGMA TBL	+
066 DY 164	(N,G)	2.4+ 4		IND EXPT	NP/A	66	267 65	CHAUBEY+ ACTIVATION SIGMA VALUE	+
066 DY 164	(N,G)	2.4+ 4		IND EXPT	NP/A	117	545 68	CHAUBEY+ SIGMA VALUE	+
066 DY 164	(N,G)	2.5+ 4		IND EXPT	PR/C	6	572 72	LAKSHMANA+ ISOMERIC SIGMA	+
066 DY 164	(N,G)	5. + 3 1.6+ 5		USA EXPT	NSE	49	317 72	FAWCETT+ SIGMA CURVE	+
066 DY 164	(N,G)	1. + 5 2.5+ 6		USA EXPT	NP/A	213	349 73	CLARKE+ ISOMERIC RATIO	+
066 DY 164	(N,G)	PILE		GER EXPT	2P	180	298 64	SCHULT+ GAMMA INTENSITY	
066 DY 164	(N,G)	2.5- 2		KFK EXPT	2P	206	84 67	MARKUS+ DY-165 LEVEL	
066 DY 164	(N,G)	1. + 0 2.4+ 3		COL EXPT	PR/C	11	462 75	LIQU+ DY-165 LEVEL SCHEM	
066 DY 164	(N,G)	PILE		MCM EXPT	2P/A	315	103 84	PRESTWICH+ E2 TRANST.WIDTH TBL	
066 DY 164	(N,G)	2.5- 2 2.4+ 4		FR EXPT	NP/A	514	173 90	KAERTS+ LOW-ENERGY LEVEL	
067 HO 165	(G,ABSORPTION)	8. + 6 2.2+ 7		GER THEO	PR	157	1109 67	ARENHOEVEL+ RAMAN SCATT.SIGMA	+
067 HO 165	(G,ABSORPTION)	7. + 6 2.0+ 7		EXPT	NP/A	338	97 80	GUREVICH+	+
067 HO 165	(G,ABSORPTION)	7. + 6 2.0+ 7		CCP EXPT	NP/A	351	257 81	GUREVICH+ TOT.ABSORPT.SIGMA CURVE	+
067 HO 165	(G,ABSORPTION)	2.4+ 8 3.3+ 8		SAC EXPT	NP/A	431	573 84	CARLOS+ 2PT.,SIGMA PLOT	
067 HO 165	(G,D)	7.0+ 7		CAN EXPT	NP/A	88	424 66	SCANLON RELATIVE YIELD	
067 HO 165	(G,ELASTIC)	9. + 6 2.3+ 7		GER THEO	NP/A	86	193 66	ARENHOEVEL+ CAL.DIFF.SIGMA CURVE	+
067 HO 165	(G,F)	3.0+ 8 9.0+ 8		SWD EXPT	NP/A	167	97 71	METHASIRI+ SIGMA PLOT & TABLE	+
067 HO 165	(G,INELASTIC)	4. + 6 7.0+ 7		GER EXPT	NP/A	539	478 92	HUXEL+ M1 TRANSIT.STRENGTH	+
067 HO 165	(G,INELASTIC)	1.2+ 7 3.0+ 7		FR EXPT	NP/A	54	114 64	LANGEVIN+ SIGMA & SPECTRUM	+
067 HO 165	(G,N)	5.5+ 7		USA EXPT	NP	30	201 62	REINHARDT+ ANGL.DIST.OF NEUTRON	+
067 HO 165	(G,N)	7.5+ 6 1.1+ 7		PEN EXPT	PR	121	880 61	WELSH+ SIGMA TBL	+
067 HO 165	(G,N)	7.7+ 6 1.1+ 7		USA EXPT	NP/A	91	365 67	HURST+ SIGMA VALUE	+
067 HO 165	(G,N)	1.0+ 7 2.1+ 7		LRL EXPT	PR	179	1194 69	KELLY+ SIGMA CURVE	+
067 HO 165	(G,N)	8.0+ 6 2.9+ 7		LRL EXPT	PR	185	1576 69	BERMAN+ SIGMA CURVE	+
067 HO 165	(G,N)	9.0+ 7		CAN EXPT	2P/A	322	295 85	TSAL+ NEUTRON SPECTRA	
067 HO 165	(G,P)	7.0+ 7		CAN EXPT	NP/A	88	424 66	SCANLON RELATIVE YIELD	
067 HO 165	(G,SCATTERING)	1.1+ 7 1.9+ 7		UI EXPT	PR	129	2096 63	TIPLER+ DIFF.SIGMA CURVE/TBL	+
067 HO 165	(G,SCATTERING)	1.1+ 7		EXTH	NIM	166	91 79	MOREH N-CAPT GAMMA SOURCE	
067 HO 165	(G,T)	7.0+ 7		CAN EXPT	NP/A	88	424 66	SCANLON RELATIVE YIELD	
067 HO 165	(G,TOTAL)	3.8+ 6 3.8+ 6		EXPT	PL/B	114	99 82	ZURNUIHL+	
067 HO 165	(G,XN)	8. + 6 2.3+ 7		NBS EXPT	NP	30	613 62	FULLER+ SIGMA CURVE	+
067 HO 165	(G,XN)	8.0+ 6 2.5+ 7		LRL EXPT	PR	129	2723 63	BRANBLETT+ TOTAL SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
067 HO 165	(G,XN)	7. + 6	2.8+	7 SAC EXPT	NP/A	121	463	BERGERE+ MONOCHRO.PHOTON SIGMA	+
067 HO 165	(G,XN)	8. + 6	2.3+	7 RUM EXPT	NP/A	225	157	CATANA+ SIGMA CURVE & TBL	+
067 HO 165	(G,XN)	2.0+	7 MOS EXPT	SNP	23	609	76	GORYACHEV+ PHOTONEUTRON SIGMA	+
067 HO 165	(G,2N)	1.0+ 7	2.1+	7 LRL EXPT	PR	179	1194	KELLY+ SIGMA CURVE	+
067 HO 165	(E,INELASTIC)	2.0+ 8	4. +	6 AUI THEO	PR/C	13	2324	RAVENHALL DWBA CALC. SIGMA	+
067 HO 165	(E,INELASTIC)	2.0+ 8	4. +	6 GER EXPT	NP/A	539	478	HUXEL+ M1 TRANSIT.STRENGTH	+
067 HO 165	(E,SCATTERING)	2.0+ 8	4. +	6 DKE THEO	NP/A	64	231	WRIGHT+ SIGMA CURVE	+
067 HO 165	(N,G)	2.4+ 4	4. +	IND EXPT	NP/A	66	267	CHAUBEY+ ACTIVATION SIGMA VALUE	+
067 HO 165	(N,G)	9.7+ 5	1.9+	7 USA EXPT	PR	163	1299	MEMLOVE+ ACTIVATION SIGMA TBL	+
067 HO 165	(N,G)	1.3+ 7	1.5+	7 HUN EXPT	NP/A	95	229	CSIKAI+ SIGMA TABLE	+
067 HO 165	(N,G)	3.0+ 4	3.0+	5 BZL EXPT	NP/A	196	83	LEPINE+ SIGMA TABLE	+
067 HO 165	(N,G)	6.0+ 1	ANL EVAL	NSE	47	246	72	SAGE+ RES.INTEGRAL	+
067 HO 165	(N,G)	5. + 3	1.6+	5 USA EXPT	NSE	49	317	72 FAWCETT+ SIGMA CURVE	+
067 HO 165	(N,G)	1.7+ 2	6. +	5 LRL EXPT	NSE	52	299	73 CZIRR+ SIGMA TABLE	+
067 HO 165	(N,G)	3. + 3	4.5+	5 ORL EXPT	NSE	59	231	76 MACKLIN SIGMA CURVE	+
067 HO 165	(N,G)	7. + 6	1.4+	7 EXPT	NP/A	384	88	MCDANIELS+	+
067 HO 165	(N,G)	NDG		ANL EVAL	PR/C	2	1951	70 BOLLINGER+ N-CAPT.RESONANCE DIST.	+
067 HO 165	(N,G)	2.5- 2		CCP EXPT	NP/A	66	325	65 BALODIS+ TRANSIT.GAMMA	+
067 HO 165	(N,G)	2.5+ 0	1.0+	5 HAR EXPT	NP/A	108	535	68 ASGHAR+ RESONANCE PARAMETER	+
067 HO 165	(N,G)	2.5- 2		KFK EXPT	NP/A	147	150	70 EICHLER+ CIRCULAR POLARIZATION	+
067 HO 165	(N,G)	1.8+ 1	8.6+	1 ANL EXPT	NP/A	151	569	70 POENITZ+ RESONANCE SPIN	+
067 HO 165	(N,G)	2. + 3	2.4+	4 BNL EXPT	PR/C	24	1419	81 STELTIS+ LEVEL DENSITY	+
067 HO 165	(N,G)	PILE		MCM EXPT	ZP/A	315	103	84 PRESTWICH+ E2 TRANSIT.WIDTH TBL	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
068 ER 000	(G,ABSORPTION)	8. + 6	2.1+	7 GER THEO	PR	157	1109	67 ARENHOEVEL+ RAMAN SCATT.SIGMA	+
068 ER 000	(G,ABSORPTION)	NDG		IND EXPT	CJP	67	139	89 LINGAM+ TOT.PHOTOELECTRIC SIGMA	+
068 ER 000	(G,ABSORPTION)	NDG		IND EXPT	CJP	67	139	89 CHANDRA+ K-SHELL PHOTOELECT.SIGMA	+
068 ER 000	(G,G)	1.2+ 5	1.4+	5 AUW EXPT	NIM A257	378	87	SARMA+	+
068 ER 000	(G,INELASTIC)	1.2+ 7	3.0+	7 FR EXPT	NP/A	54	114	64 LANGEVIN+ SIGMA & SPECTRUM	+
068 ER 000	(G,XN)	8. + 6	2.3+	7 NBS EXPT	NP	30	613	62 FULLER+ SIGMA CURVE	+
068 ER 000	(G,XN)	7. + 6	2.6+	7 SAC EXPT	NP/A	133	417	69 BERGERE+ SIGMA CURVE	+
068 ER 000	(N,G)	3.0+ 4	3.0+	5 BZL EXPT	NP/A	196	83	72 LEPINE+ SIGMA TABLE	+
068 ER 000	(N,G)	4.7- 1	9.4+	0 VAL EXPT	NP	10	386	59 FENSTERMACHER+ RESONANT N-CAPT.	+
068 ER 164	(N,G)		3.0+ 2	CCP EXPT	SNP	7	161	68 KARZHAVINA+ RES. PARAM.	+
068 ER 166	(G,G)	1.6+ 6	4.2+	6 BAR EXPT	PR/C	13	626	76 METZGER ER-166 LEVELS	+
068 ER 166	(G,XN)	2.0+ 7	MOS EXPT	SNP	23	609	76	GORYACHEV+ PHOTONEUTRON SIGMA	+
068 ER 166	(E,A)	1.0+ 8	SAS EXPT	PR/C	18	736	78	MURPHY+ ELECTRO ALPHA PRODUCTION	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
068 ER 166	(E-INELASTIC) CS	3.5+ 7	1.1+ 8	MIT EXPT	PR/C	13	1083	76 COOPER+ SIGMA	+
068 ER 166	(E-SCATTERING) AD	2.0+ 8		GER THEO	NP/A	78	465	66 DRECHSEL DIFF. SIGMA CURVE	+
068 ER 166	(E-SCATTERING) AD	NDG		GER THEO	NP/A	77	577	66 SCHECK CAL. SIGMA CURVE	+
068 ER 166	(N-G) YD		3.0+ 2	CCP EXPT	SNP	7	161	68 KARZHAVINA+ RES. PARAM.	
068 ER 167	(G-G) CS	4. + 6	1.2+ 6	IJI EXPT	SNP	49	567	89 BIGAN+ ISOMER PRODUCT. SIGMA CURVE	+
068 ER 167	(N-G))	5. + 0	6.0+ 2	DRL EXPT	PR/C	30	807	84 KAHANE+ BGRES., PARAM. TBL	
068 ER 167	(N-G)) XX	NDG		ANL EVAL	PR/C	2	1951	70 BOLLINGER+ N-CAPT. RESONANCE DIST.	
068 ER 167	(N-G)) YD	PILE		GER EXPT	ZP	187	450	65 KOCH GAMMA INTENSITY	
068 ER 167	(N-G)) YD		3.0+ 2	CCP EXPT	SNP	7	161	68 KARZHAVINA+ RES. PARAM.	
068 ER 167	(N-G)) YD	2. + 3	2.4+ 4	BNL EXPT	PR/C	24	1419	81 STELTS+ LEVEL DENSITY	
068 ER 167	(N-G)) YD	PILE		MCM EXPT	ZP/A	315	103	84 PRESTWICH+ E2 TRANSIT. WIDTH TBL	
068 ER 167	(N-G)) YD	PILE		CCP EXPT	SNP	44	552	86 VASIL'EVA+ GAMMA YIELD	
068 ER 167	(N-G)) YD	2.5- 2		FR EXPT	NP/A	533	49	91 PETKOV+ ER-168 LEVEL	
068 ER 168	(G-ABSORPTION) CS	7. + 6	2.0+ 7	EXPT	NP/A	338	97	80 GUREVICH+	
068 ER 168	(G-ABSORPTION) CS	7. + 6	2.0+ 7	CCP EXPT	NP/A	351	257	81 GUREVICH+ TOT. ABSORPT. SIGMA CURVE	+
068 ER 168	(G-G)) AD	1.6+ 6	4.2+ 6	BAR EXPT	PR/C	13	626	76 METZGER ER-168 LEVELS	
068 ER 168	(E-INELASTIC)) XX	NDG		GER THEO	NP/A	509	509	90 LIPAS+ FORM FACTOR	
068 ER 168	(N-E)) YD	PILE		GER EXPT	ZP	268	379	74 OLMA+ CONVER. ELECTRON FOLLOW. N-CAP	
068 ER 168	(N-G)) YD		1.5+ 3	CCP EXPT	SNP	7	161	68 KARZHAVINA+ RES. PARAM.	
068 ER 170	(G-A)) CS	2.5+ 7		CCP EXPT	SNP	51	193	90 ANTONOV+ INTEGRAT. SIGMA	+
068 ER 170	(G-A)) CS	2.3+ 7		CCP EXPT	SNP	53	9	91 ANTONOV+ INTEGRAT. SIGMA VALUE	+
068 ER 170	(G-G)) AD	1.6+ 6	4.2+ 6	BAR EXPT	PR/C	13	626	76 METZGER ER-170 LEVELS	
068 ER 170	(N-G)) YD		4.0+ 3	CCP EXPT	SNP	7	161	68 KARZHAVINA+ RES. PARAM.	
068 ER 170	(N-G)) YD	2.5- 2		SWD EXPT	NP/A	161	209	71 ALENIUS+ GAMMA INTENSITY	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
069 TM 169	(N/G)	5. + 5	3.0+ 6	FR EXPT	NSE	70	53 79	JOLY+ SIGMA CURVE & TABLE	+
069 TM 169	(N/G)	3. + 3	2.0+ 6	ORL EXPT	NSE	82	143 82	MACKLIN+ RES.PARAM.,SIGMA CURVE	+
069 TM 169	(N/G)	5. + 5	3.0+ 6	EXPT	PR/C	20	2072 79	JOLY+ GAM-STRENGTH FUNC.	
069 TM 169	(N/G)	2.5- 2		DEN EXPT	NP/A	102	241 67	ANDREEFF+ ISOMER	
069 TM 169	(N/G)			BNL EXPT	PR	174	1512 68	LOWE+ GAMMA INTENSITY	
069 TM 169	(N/G)	1.8+ 1		SAC EXPT	NP/A	135	241 69	ALVES+ GAMMA INTENSITY	
069 TM 169	(N/G)			BNL EXPT	PR/C	2	2030 70	BHAT+ GAMMA INTENSITY	
070 YB 000	(G-F)	3.0+ 8	9.0+ 8	SWD EXPT	NP/A	167	97 71	METHASIRI+ SIGMA PLOT & TABLE	+
070 YB 000	(E-X)	4.9+ 5		HUN EXPT	ZP	271	207 74	NASR+ POSITRON IMPACT IONIZAT.SIGM	+
070 YB 000	(N/G)	3.0+ 4	3.0+ 5	B2L EXPT	NP/A	196	83 72	LEPINE+ SIGMA TABLE	+
070 YB 168	(N/G)	2.5- 2		LAS EXPT	PR	170	1108 68	SHERA+ PARTIAL SIGMA TBL	+
070 YB 168	(N/G)	2.5- 2		KFK EXPT	NP/A	119	609 68	MICHAELIS+ GAMMA INTENSITY	
070 YB 170	(N/G)	3. + 3	7.0+ 5	ORL EXPT	PR/C	30	464 84	BEER+ RES.PARAM TBL,AV.SIGMA TBL	+
070 YB 170	(N/G)	2.5- 2		NRL EXPT	PR	183	983 69	NAMENSON+ NEUT.CAPT.GAMMA	
070 YB 171	(N/G)	5. + 3	8.0+ 4	CCP EXPT	SNP	20	572 75	SHORIN+ SIGMA CURVE	+
070 YB 171	(N/G)	3. + 3	7.0+ 5	ORL EXPT	PR/C	30	464 84	BEER+ RES.PARAM TBL,AV.SIGMA TBL	+
070 YB 171	(N/G)	PILE		CCP EXPT	SNP	33	1 81	BEVAR+ NEUTRON-CAPTURED GAMMA	
070 YB 171	(N/G)			CCP EXPT	SNP	3	34 66	WANG+ RESONANCE PARAMETER.	
070 YB 171	(N/G)	2.5- 2		USA EXPT	NP/A	252	260 75	GREENWOOD+ YB-172 LEVEL	
070 YB 172	(N/G)	5. + 3	8.0+ 4	CCP EXPT	SNP	20	572 75	SHORIN+ SIGMA CURVE	+
070 YB 172	(N/G)			CCP EXPT	SNP	3	34 66	WANG+ RESONANCE PARAMETER.	
070 YB 172	(N/G)	2.5- 2		NRL EXPT	PR	183	983 69	NAMENSON+ NEUT.CAPT.GAMMA	
070 YB 172	(N/G)	2.5- 2		SWD EXPT	NP/A	161	209 71	ALENIUS+ GAMMA INTENSITY	
070 YB 173	(N/G)	5. + 3	8.0+ 4	CCP EXPT	SNP	20	572 75	SHORIN+ SIGMA CURVE	+
070 YB 173	(N/G)	PILE		CCP EXPT	SNP	33	1 81	BEVAR+ NEUTRON-CAPTURED GAMMA	
070 YB 173	(N/G)	1.3+ 3	6. + 4	EXPT	PR/C	25	1283 82	SHAHAL+	
070 YB 173	(N/G)	2.5- 2		INL THEO	PR/C	23	153 81	GREENWOOD+ YB-174 LEVEL	
070 YB 173	(N/G)	PILE		MCM EXPT	ZP/A	315	103 84	PRESTWICH+ E2 TRANST.WIDTH TBL	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
070 YB 174	(G, ABSORPTION) CS	7. + 6	2.0+ 7	EXPT	NP/A	338	97	80	GUREVICH+
070 YB 174	(G, ABSORPTION) CS	7. + 6	2.0+ 7	CCP EXPT	NP/A	351	257	81	GUREVICH+ TOT. ABSORPT. SIGMA CURVE
070 YB 174	(G, F) CS	5.2+ 7		ITY EXPT	PR/C	44	1683	91	TAVARES+ SIGMA VALUE ANALYSED
070 YB 174	(E, F) CS	6.0+ 7	1.0+ 9	LRL EXPT	PR	179	1176	69	MORETTO+ SIGMA TBL
070 YB 174	(N, G) CS	5. + 3	8.0+ 4	CCP EXPT	SNP	20	572	75	SHORIN+ SIGMA CURVE
070 YB 174	(N, G)) YD								WANG+ RESONANCE PARAMETER.
070 YB 174	(N, G)) YD	2.5- 2		DDR EXPT	NP/A	102	577	67	BONDARENKO+ GAMMA INTENSITY
070 YB 174	(N, G)) YD	2.5- 2		NRL EXPT	PR	183	983	69	NAMENSON+ NEUT. CAPT. GAMMA
070 YB 174	(N, G)) YD	PILE		CCP EXPT	SNP	44	552	86	VASIL'EVA+ GAMMA YIELD
070 YB 174	(N, 2G)) YD	2. + 6	4.8+ 6	CCP THEO	SNP	43	10	86	POPOV+ YIELD CURVE
070 YB 176	(E, INELASTIC) CS	3.5+ 7	1.1+ 8	MIT EXPT	PR/C	13	1083	76	COOPER+ SIGMA
070 YB 176	(N, G)) CS	5. + 3	8.0+ 4	CCP EXPT	SNP	20	572	75	SHORIN+ SIGMA CURVE
070 YB 176	(N, G)) YD		1.5+ 8	CCP EXPT	SNP	3	34	66	WANG+ RESONANCE PARAMETER.
070 YB 176	(N, G)) YD	2.5- 2		SWD EXPT	NP/A	186	209	72	ALENIUS+ GAMMA TRANSITION
070 YB 176	(P, G)) CS	6. + 6	2.4+ 7	EXPT	NP/A	345	221	80	PALSSON+
071 LU 000	(G, ABSORPTION) CS	NDG		IND EXPT	CJP	67	139	89	LINGAM+ TOT. PHOTOELECTRIC SIGMA
071 LU 000	(G, ABSORPTION) CS	NDG		IND EXPT	CJP	67	139	89	CHANDRA+ K-SHELL PHOTOELECT. SIGMA
071 LU 000	(G, XN)) CS	8. + 6	2.1+ 7	SAC EXPT	NP/A	133	417	69	BERGERE+ SIGMA CURVE
071 LU 000	(N, G)) CS		5.0+ 4	CCP EXPT	SNP	7	310	68	KONKS+ SIGMA CURVE
071 LU 000	(N, G)) CS	3.0+ 4	3.0+ 5	B2L EXPT	NP/A	196	83	72	LEPINE+ SIGMA TABLE
071 LU 171M	(E, INELASTIC) CS		3. + 3	CCP THEO	SNP	48	827	88	ARUTYUNYAN+ TRANSITION SIGMA
071 LU 175	(G, G)) YD	3.4+ 5		USA EXPT	NP	30	191	62	DEUTCH RESONANCE FLUORESC.
071 LU 175	(G, N)) CS		2.3+ 7	CAN EXPT	CJP	36	415	58	KING+ SIGMA CURVE
071 LU 175	(N, G)) CS	1.5+ 7		USA EXPT	PR	118	242	60	WILLE+ SIGMA TBL
071 LU 175	(N, G)) CS	2.4+ 4		IND EXPT	NP/A	66	267	65	CHAUBEY+ ACTIVATION SIGMA VALUE
071 LU 175	(N, G)) CS	1. - 2	1.0+ 1	SWT EXPT	NSE	60	53	76	WIDDER+ SIGMA CURVE
071 LU 175	(N, G)) CS	3. + 3	7.0+ 5	ORL EXPT	PR/C	30	464	84	BEER+ RES. PARAM TBL, AV. SIGMA TBL
071 LU 175	(N, G)) ED	2.5- 2		USA EXPT	PR	187	1516	69	MINOR+ LU-176 LEVEL
071 LU 175	(N, G)) YD	2.5- 2		GER EXPT	2P	184	153	65	MAIER+ GAMMA TRANSITION
071 LU 175	(N, G)) YD		5.0+ 2	BNL EXPT	PR/C	2	675	70	WASSON+ RES. NEUTRON CAPT. GAMMA
071 LU 175	(N, G)) YD	2.5- 2		CCP EXPT	NP/A	194	305	72	BALODIS+ LEVEL SCHEME
071 LU 175	(N, G)) YD	2.5- 2		DDR EXPT	NP/A	226	142	74	ANDREJTSCHIEFF+ GAMMA TRANSITION
071 LU 175	(N, G)) YD	1. + 3	3. + 3	COL EXPT	PR/C	11	1231	75	LIQU+ RESONANCE PARAM.
071 LU 175	(N, G)) YD	2.6+ 0	3.0+ 2	NRL EXPT	NP/A	237	45	75	NAMENSON+ RESONANCE PARAM.

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
071 LU 175	(N,G)	2.5- 2		SWT EXPT	NP/A 251	305	75	GEINOZ+ GAMMA TRANSITION	
071 LU 176	(N,G)	1. - 2	1.0+ 1	SWT EXPT	NSE	60	53	WIDDER+ SIGMA CURVE	+
071 LU 176	(N,G)	3. + 3	7.0+ 5	ORL EXPT	PR/C	30	464	84 BEER+ RES.PARAM TBL,AV.SIGMA TBL	+
071 LU 176	(N,G)	2.5- 2		DDR EXPT	NP/A 70	415	65	HEISER+ SIGMA VALUE	+
071 LU 176	(N,G)	2.5- 2		GER EXPT	2P	184	153	65 MAIER+ GAMMA TRANSITION	
071 LU 176	(N,G)	2.5- 2		CCP EXPT	SNP	3	141	66 BALODIS+ MULTIPOLARITIES	
071 LU 176	(N,G)	2.5- 2		DDR EXPT	NP/A 172	298	71	MANFRASS+ GAMMA TRANSITION	
071 LU 176	(N,G)	2.5- 2		GER EXPT	2P/A 280	239	77	SEYFARTH+ KX-RAY INTENSITY	
072 HF 000	(G,ABSORPTION)	1.0+ 7	3.0+ 7	YUG EXPT	NIM	75	190	69 BEZIC+ TOT.ABSORPT.SIGMA CURVE	+
072 HF 000	(G,F)	2.0+ 8	2.6+ 8	CCP EXPT	SNP	5	26	67 RANYUK+ SIGMA TABLE	+
072 HF 000	(N,G)	1.0+ 4	1.5+ 5	GER EXPT	NP/A 133	513	69	KOMPE SIGMA CURVE	
072 HF 000	(N,G)	4.7- 1	9.4+ 0	VAL EXPT	NP	10	386	59 FENSTERMACHER+ RESONANT N-CAPT.	
072 HF 174	(N,G)	2.5- 2		SWD EXPT	NP/A 161	209	71	ALENIUS+ GAMMA INTENSITY	
072 HF 175	(N,G)	2.5- 2		ANL EXPT	PR/C 10	2483	74	BUSHNELL+ N-CAPT.GAMMA SPECT.	
072 HF 176	(N,G)	3. + 3	7.0+ 5	ORL EXPT	PR/C	30	464	84 BEER+ RES.PARAM TBL,AV.SIGMA TBL	+
072 HF 176	(N,G)	2.5- 2		ANL EXPT	PR	158	1206	67 NAMENSON+ NEUT.CAPT.GAMMA	
072 HF 177	(N,G)	2.2+ 7	USA EXPT	PR	110	1388	58	TOBIN+ PHOTONEUTRON THRESHOLD	
072 HF 177	(G,SCATTERING) XX	1.1+ 5	3.2+ 5	UK EXPT	NP	27	66	61 HAMILTON+ PARTIAL WODTH	
072 HF 177	(G,SCATTERING) XX	1.1+ 5	3.2+ 5	USA EXPT	NP	35	342	62 HAUSER LEVEL WIDTH	
072 HF 177	(N,G)	2.5- 2		GER EXPT	NP	32	482	62 ALEXANDER+ ISOMERIC SIGMA VALUE	+
072 HF 177	(N,G)	3. + 3	7.0+ 5	ORL EXPT	PR/C	30	464	84 BEER+ RES.PARAM TBL,AV.SIGMA TBL	+
072 HF 177	(N,G)	2.5- 2		ANL EXPT	PR	129	1691	63 SMITHER GAMMA SPECTRA	
072 HF 177	(N,G)	2.5- 2		ANL EXPT	PR	146	844	66 NAMENSON+ GAMMA SPECTRA	
072 HF 177	(N,G)	1. + 0	5. + 0	USA EXPT	NP/A 82	441	66	VOGT GAMMA SPECTRA	
072 HF 177	(N,G)	2.5- 2	2.4+ 4	GER EXPT	NP/A 455	231	86	HAGUE+ GAMMA SPECT.	
072 HF 177	(N,G)	1. + 0	2.1+ 2	GEL EXPT	NP/A 117	586	68	COCEVA+ RESONANCE PARAMETER	
072 HF 177	(N,G)	6. - 2	8.8+ 0	INL EXPT	NP/A 123	616	69	FALER+ RESONANT-N CAPT GAMMA	
072 HF 177	(N,G)	2.5- 2		SWD EXPT	NP/A 171	353	71	FOGELBERG+ N-CAPT.GAMMA	

ELEMENT Z S A	QUANTITY	ENERGY(KEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
072 HF 177	(N-G)	1.1+	0 6.6+	0 BLG EXPT	NP/A 218	61	74	COCEVA+ LEVEL STRUCTURE	
072 HF 177	(N-G)	3.	0 7.0+	2 COL EXPT	PR/C 11	2022	75	LIQU+ RESONANCE PARAMETERS	
072 HF 178	(G,ABSORPTION)	7.	0 2.0+	7 EXPT	NP/A 338	97	80	GUREVICH+	
072 HF 178	(G,ABSORPTION)	7.	0 2.0+	7 CCP EXPT	NP/A 351	257	81	TOT.ABSORPT.SIGMA CURVE	+
072 HF 178	(G,XN)		2.0+	7 MOS EXPT	SNP 23	609	76	GORVACHEV+ PHOTONEUTRON SIGMA	+
072 HF 178	(N-G)	2.5-	2 2.0+	6 GER EXPT	NP 32	482	62	ALEXANDER+ ISOMERIC SIGMA VALUE	+
072 HF 178	(N-G)	2.6+	2 2.0+	6 CCP EXPT	PR/C 26	1404	82	BEER+	
072 HF 178	(N-G)	NDG		CCP EXPT	SNP 4	165	67	KRAMER+ DECAY SCHEME OF HF-179	
072 HF 178	(N-G)	2.5-	2	ANL EXPT	PR 158	1206	67	NAMENSON+ NEUT.CAPT.GAMMA	
072 HF 178	(N-G)	2.5-	2	DDR EXPT	NP/A 102	563	67	MANFRASS+ GAMMA INTENSITY	
072 HF 178	(N-G)	2.5-	2	SWD EXPT	NP/A 186	209	72	ALENIUS+ GAMMA TRANSITION	
072 HF 178	(N-G)	7.8+	0	BNL EXPT	PR/C 7	419	73	CASDEN+ NEUTRON-CAPT. GAMMA	
072 HF 178	(N-G)	2.5-	2	DDR EXPT	NP/A 225	300	74	ANDREJTSCHOFF+ HF-179 LEVEL	
072 HF 179	(G-G)	4.	0 6 1.2+	6 IJI EXPT	SNP 49	567	89	BIGAN+ ISOMER PRODUCT.SIGMA CURVE	+
072 HF 179	(N-G)	PILE		GER EXPT	ZP/A 272	273	75	MANNHART ACTIVATION SIGMA VALUE	+
072 HF 179	(N-G)	2.6+	2 2.0+	6 ANL EXPT	PR/C 26	1404	82	BEER+	
072 HF 179	(N-G)	2.5-	2	MCM EXPT	ZP/A 315	103	84	PRESTWICH+ E2 TRANSITION TBL	
072 HF 179	(N-G)	2.5-	2	KLN EXPT	NP/A 499	221	89	FOERSTER+ GAMMA TRANSITION	
072 HF 180	(G,ABSORPTION)	7.	0 6 2.0+	7 EXPT	NP/A 338	97	80	GUREVICH+	
072 HF 180	(G,ABSORPTION)	7.	0 6 2.0+	7 CCP EXPT	NP/A 351	257	81	TOT.ABSORPT.SIGMA CURVE	+
072 HF 180	(N-G)	3.0+	4 4.0+	6 LRL EXPT	PR 128	2717	62	MISKEL+ SIGMA TBL	+
072 HF 180	(N-G)	PILE		GER EXPT	ZP/A 272	273	75	MANNHART ACTIVATION SIGMA VALUE	+
072 HF 180	(N-G)	2.6+	2 2.0+	6 ANL EXPT	PR/C 26	1404	82	BEER+	
072 HF 180	(N-G)	2.5-	2	ANL EXPT	PR 146	844	66	NAMENSON+ GAMMA SPECTRA	
072 HF 180	(N-G)	2.5-	2	ANL EXPT	PR 158	1206	67	NEUT.CAPT.GAMMA	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
073 TA 000	(G, ABSORPTION) CS	NDG		IND EXPT	CJP	67	139	89 LINGAM+ TOT.PHOTOELECTRIC SIGMA	+
073 TA 000	(G, ABSORPTION) CS	NDG		IND EXPT	CJP	67	139	89 CHANDRA+ K-SHELL PHOTOELECT.SIGMA	+
073 TA 000	(G, E) CS	3.2+ 5		IND EXPT	CJP	55	1592	77 RANGANATHALAH+ K-SHELL PHOTOSIGMA	+
073 TA 000	(G, ELASTIC) CS	2.5+ 6	3.5+ 6	EXPT	PL/B	92	71	80 MUECKENHEIM+ RADIOACT. SOURCE	+
073 TA 000	(G, G) CS	3.4+ 5	1.4+ 6	AUL EXPT	NIM A255		68	87 FULLER+ SIGMA CURVE	+
073 TA 000	(G, N) CS	7. + 7	2.5+ 7	NBS EVAL	PR	112	560	58 BERTOZZI+ NEUT.SPECTRA	+
073 TA 000	(G, N) ED	1.4+ 7	1.6+ 7	MIT EXPT	PR	110	790	58 LEPRETRE+ SIGMA CURVE	+
073 TA 000	(G, N EMISSION) CS	3.0+ 7	9.0+ 7	EXPT	NP/A	390	240	82 LEPRETRE+ NEUT.SPECTRA	+
073 TA 000	(G, N EMISSION) YD	2.5+ 7	1.4+ 8	EXPT	NP/A	390	221	82 LEPRETRE+ NEUT.SPECTRA	+
073 TA 000	(G, PION +) AD	5.5+ 8		STF EXPT	PR	105	1840	57 WILLIAMS+ Z-DEPEND.OF PION PRODUCT	+
073 TA 000	(G, SCATTERING) CS	3.0+ 5	1.3+ 6	IND THEO	NSE	85	426	83 UMESH+ INCOHERENT SCATT.SIGMA TBL	+
073 TA 000	(G, SCATTERING) CS	6.6+ 8		NBS EXPT	PR	115	351	59 TITUS+ TOT.PHOTOELECTRIC SIGMA	+
073 TA 000	(G, TOTAL) CS	2.0+ 5	1.0+ 6	IND THEO	NSE	45	94	71 SIDDAPPA+ PHOTOELECT.SIGMA TABLE	+
073 TA 000	(G, X) CS	3.4+ 6	1.9+ 7	UI EXPT	PR	115	633	59 HALL+ ENERGY LOSS	+
073 TA 000	(E, ABSORPTION) XX	1.5+ 5	7.5+ 5	GER THEO	NP/A	223	423	74 SMEND+ DIFF.SIGMA TBL	+
073 TA 000	(E, ELASTIC) AD	1.8+ 8		STF THEO	PR	106	1285	57 DOWNS+ CAL.DIFF.SIGMA CURVE	+
073 TA 000	(E, SCATTERING) AD	4.9+ 5		HUN EXPT	2P	271	207	74 NASR+ POSITRON IMPACT IONIZAT.SIGMA	+
073 TA 000	(E, X) CS								
073 TA 180	(G, G) CS	2.8+ 6	3.6+ 6	TEX EXPT	PR/C	42	1813	90 COLLINS+ INTEGRATED SIGMA	+
073 TA 180	(G, G) YD	6. + 6		TEX EXPT	PR/C	37	2267	88 COLLINS+ DEPOPULATION OF ISOMER	+
073 TA 180	(N, G) ED	2.5- 2		MCM EXPT	PR/C	24	911	81 COUSINS+ LEVELS	+
073 TA 181	(G, A) CS	2.5+ 7		CCP EXPT	SNP	51	193	90 ANTONOV+ INTEGRAT.SIGMA	+
073 TA 181	(G, A) CS	2.3+ 7		CCP EXPT	SNP	53	9	91 ANTONOV+ INTEGRAT.SIGMA VALUE	+
073 TA 181	(G, ABSORPTION) CS	9. + 6	2.1+ 7	GER THEO	PR	157	1109	67 ARENHOEVEL+ RAMAN SCATT.SIGMA	+
073 TA 181	(G, ABSORPTION) CS	6.4+ 6		ISL EXPT	NP/A	252	423	75 MOREH+ ATTENUAT. COEFF.	+
073 TA 181	(G, ABSORPTION) CS	7. + 6	2.0+ 7	EXPT	NP/A	338	97	80 GUREVICH+ ATTENUAT. COEFF.	+
073 TA 181	(G, ABSORPTION) CS	3. + 6	3.0+ 7	EXPT	PR/C	21	2328	80 SHERMAN+ TOF	+
073 TA 181	(G, ABSORPTION) CS	3.2+ 4	1.5+ 5	IND EXPT	CJP	59	22	81 PUTTASWAMY+ TOT.ATTENUAT.SIGMA	+
073 TA 181	(G, ABSORPTION) CS	5.0+ 3	1.5+ 5	IND EXPT	CJP	59	853	81 PUTTASWAMY+ K-SHELL PHOTOELECTRIC	+
073 TA 181	(G, ABSORPTION) CS	7. + 6	2.0+ 7	CCP EXPT	NP/A	351	257	81 GUREVICH+ TOT.ABSORPT.SIGMA CURVE	+
073 TA 181	(G, ABSORPTION) CS	3.0+ 6	2.8+ 7	MRC EXPT	PR/C	27	1011	83 SHERMAN+ TOT ABS SIGMA TBL	+
073 TA 181	(G, ABSORPTION) CS	2.4+ 8	3.3+ 8	SAC EXPT	NP/A	431	573	84 CARLOS+ 2PT.SIGMA PLOT	+
073 TA 181	(G, ABSORPTION) CS	7.6+ 6	1.2+ 7	CCP EXPT	SNP	42	662	85 BELYAEV+ RES.&INTEGRAT. SIGMA	+
073 TA 181	(G, ABSORPTION) YD	7.9+ 6		ISL EXPT	PR/C	9	2384	74 KAHANE+ DIFF.SIGMA	+
073 TA 181	(G, D) AD	1.1+ 9		CCP EXPT	SNP	14	502	72 ANTUF'EV+ DIFF.SIGMA CURVE	+
073 TA 181	(G, E) CS	2.6+ 6		USA EXPT	NP/A	80	588	66 TITUS+ PAIR PRODUCT.SIGMA VALUE	+
073 TA 181	(G, ELASTIC) AD	1.1+ 7	1.3+ 7	IND EXPT	NP/A	149	49	70 BASAVARAJU+ DIFF.SIGMA VALUE	+
073 TA 181	(G, ELASTIC) AD	4.3+ 6	4.8+ 6	EXPT	NP/A	346	418	80 SOHUMACHER+ N-CAPT GAM SOURCE	+
073 TA 181	(G, ELASTIC) CS	7.3+ 6	7.9+ 6	USA EXPT	PR	132	1724	62 YOUNG+ NEUT-CAPT.GAMMA SOURCE	+
073 TA 181	(G, ELASTIC) AD	6.0+ 8	1.7+ 9	CCP EXPT	SNP	15	228	73 KASILOV+ ANGUL-DEPENDENCE	+
073 TA 181	(G, F) CS	2.0+ 8	2.6+ 8	CCP EXPT	SNP	5	26	67 RANYUK+ SIGMA TABLE	+
073 TA 181	(G, F) CS	3.0+ 8	9.0+ 8	SND EXPT	NP/A	167	97	71 METHASIRI+ SIGMA PLOT & TABLE	+
073 TA 181	(G, F) CS	1.0+ 8	5. + 12	CCP EXPT	SNP	14	37	72 VARTAPETYAN+ SIGMA TBL & CURVE	+
073 TA 181	(G, F) YD	6.0+ 8	5.1+ 9	CCP EXPT	SNP	16	502	73 DEMEKHINA+ FRAGMENT ANISOTROPY	+
073 TA 181	(G, G) CS	3.0+ 6	4.0+ 6	CCP EXPT	BAS	51	36	87 DUBENSKII+ DIFF.SIGMA TABLE	+
073 TA 181	(G, G) AD	1.1+ 6		IND EXPT	NP/A	62	296	65 NARASIMHA+ DIFF.SIGMA TABLE	+

ELEMENT Z S A	QUANTITY	ENERGY(CEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
073 TA 181	(G-G)	1.1+ 7		ANL EXPT	PR/C	9	1153 74	JACKSON+ PHOTON SCAT.	
073 TA 181	(G-G)	6.8+ 6	1.1+ 7	ISL EXPT	PR/C	18	1217 78	KAHANE+ RAYLEIGH & DELBRUCK AMP.	
073 TA 181	(G-INELASTIC)	1.2+ 7	3.0+ 7	FR EXPT	NP/A	54	114 64	LANGVIN+ SIGMA & SPECTRUM	+
073 TA 181	(G-INELASTIC)	6. + 6	6 YAL EXPT	PR	108	1280 57	DRAPER+ ISOMER EXCIT.		
073 TA 181	(G-N)	2.2+ 7		SAS EXPT	CJP	39	1158 61	BAKER+ ANGL.DIFF.SIGMA	+
073 TA 181	(G-N)		2.9+ 7	CCP EXPT	SNP	20	128 75	LAZAREVA+ NEUT.SPECT. CURVE	+
073 TA 181	(G-N)	1.8+ 7	6.5+ 7	USA EXPT	NP	13	292 59	AULL+ INTEGRAT.SIGMA CURVE	+
073 TA 181	(G-N)	1.2+ 7	3.8+ 7	STF EXPT	NP	18	575 60	BARBER+ DERIVED SIGMA CURVE	+
073 TA 181	(G-N)	7.5+ 6	1.1+ 7	PEN EXPT	PR	121	880 61	WELSH+ SIGMA TBL	+
073 TA 181	(G-N)		2.2+ 7	SAC EXPT	NP	32	236 62	MILLER+ INTEGRAT.SIGMA VALUE	+
073 TA 181	(G-N)	7.6+ 6	1.1+ 7	USA EXPT	PR	135	8701 64	GREEN+ SIGMA TBL & CURVE	+
073 TA 181	(G-N)	7.7+ 6	1.1+ 7	USA EXPT	NP/A	91	365 67	HURST+ SIGMA VALUE	+
073 TA 181	(G-N)	NDG		BZL EVAL	NP/A	244	205 75	WOLYNEC+ PHOTO./ELECTRODISINT.	+
073 TA 181	(G-N)		1.9+ 6	MCM EXPT	PR/C	29	1085 84	COUSINS+ TBL	+
073 TA 181	(G-N)	7.0+ 8	1.2+ 9	CCP EXPT	SNP	13	265 71	ANTUF+EV+ DEUTERON SPECT.	
073 TA 181	(G-N)	3.1+ 7		CCP EXPT	SNP	21	129 75	EVSEEV+ NEUTRON SPECT.MEASURED	
073 TA 181	(G-N)		2.9+ 7	CCP EXPT	SNP	20	128 75	LAZAREVA+ NEUT.SPECT. CURVE	+
073 TA 181	(G-N)	6.7+ 6	9.4+ 6	EXPT	NP/A	289	325 79	BARKMAN+ Q-VALUE OF PHOTONEUT.	
073 TA 181	(G-N)	7.7+ 6	7.8+ 6	MCM EXPT	PR/C	24	911 81	COUSINS+ LEVELS	
073 TA 181	(G-N)	2.9+ 7		CCP EXPT	SNP	42	507 85	LEPESTKIN+ ENERGY DIST. CURVE	+
073 TA 181	(G-N)	NDG		NBS THEO	PR/C	2	621 70	BERGER+ NEUTRON YIELD	
073 TA 181	(G-P)	8.0+ 7	2.9+ 8	CCP EXPT	SNP	12	627 71	ANTUF+EV+ DIFF. SIGMA CURVE	+
073 TA 181	(G-P)	7.0+ 8	1.2+ 9	CCP EXPT	SNP	13	265 71	ANTUF+EV+ DEUTERON SPECT.	
073 TA 181	(G-P)		2.3+ 7	PEN EXPT	PR	98	626 55	TOMS+ PHOTOPROTON YIELD	
073 TA 181	(G-P)	3.0+ 8	4.0+ 8	CCP EXPT	SNP	22	226 75	TONAPETIAN+ 90DEG.SIGMA CURVE	+
073 TA 181	(G-PION)	1.7+ 7		GER EXPT	NP	170	47 62	STIERLIN+ DIFF.SIGMA	+
073 TA 181	(G-SCATTERING)	6.0+ 4		GER EXPT	NP/A	283	15 77	SCHUMACHER+ RAYLEIGH SCATT. TBL	+
073 TA 181	(G-SCATTERING)	1.1+ 7		BLG EXPT	NP/A	531	237 91	MONORY+ RAMAN SCATT.DIFF.SIGMA	+
073 TA 181	(G-SCATTERING)	NDG	1.1+ 7	MIT EXTH	NIM	166	91 79	MOREH N-CAPT GAMMA SOURCE	
073 TA 181	(G-X)	6.0+ 8	1.7+ 9	CCP EXPT	PR/C	8	1065 73	HAYWARD+ RES. FLUORESCENCE	
073 TA 181	(G-X)	4.5+ 8		GER EXPT	NP/A	221	145 74	KASILOV+ ANGUL.DEPENDENCE	
073 TA 181	(G-X)	5.5+ 7	8.5+ 7	MRY THEO	PR/C	16	1812 77	DAVID+ SIGMA CURVE & TBL	+
073 TA 181	(G-X)	3.0+ 7	1.4+ 8	EDG EXPT	NP/A	429	61 84	WU+ PRE-EQUILIBRIUM ANALYSES	
073 TA 181	(G-X)	4. + 6	2.8+ 7	CAN EVAL	CJP	59	914 81	FLOWERS+ SIGMA CURV	
073 TA 181	(G-X)		4.0+ 8	CCP EXPT	SNP	17	124 73	GONCHAROV+ YIELD CURVE	
073 TA 181	(G-XN)	8.0+ 6	2.7+ 7	LRL EXPT	PR	129	2723 63	BRAMBLETT+ TOTAL SIGMA CURVE	+
073 TA 181	(G-XN)	2.5+ 7	1.4+ 8	SAC EXPT	NP/A	367	237 81	LEPRETRET+ SIGMA CURV.&INTEG.SIGMA	+
073 TA 181	(G-3N)	1.3+ 7	3.8+ 7	STF EXPT	NP	18	575 60	BARBER+ DERIVED SIGMA CURVE	+
073 TA 181	(E-A)	1.0+ 8		SAS EXPT	PR/C	18	736 78	MURPHY+ ELECTRO ALPHA PRODUCTION	+
073 TA 181	(E-EP)	7.8+ 8		USA EXTH	PR/C	45	780 92	GARINO+ DIFF.SIGMA CURVE & TBL	+
073 TA 181	(E-EP)	NDG		USA THEO	PR/C	45	791 92	PANDHARIPANDE+ NUCL-TRANSPARENCY	
073 TA 181	(E-F)	2.5+ 8	5.0+ 8	LRL EXPT	PR	168	1396 68	BOWMAN+ FISSION SIGMA TBL	+
073 TA 181	(E-INELASTIC)	NDG		USA THEO	PR/C	44	2694 91	TALWAR+ COULOMB DISTORT.EFFECT	
073 TA 181	(E-INELASTIC)	1.8+ 8	6.0+ 8	STF EXPT	PR	130	245 63	KENDALL+ FORM FACTOR	
073 TA 181	(E-INELASTIC)	4.0+ 8		EXTH	PRL	45	1758 80	RAD+ SCAT. FORM FACTOR	
073 TA 181	(E-N)	1.2+ 7	2.0+ 7	NBS THEO	PR/C	7	858 73	SELTZER+ SIGMA CURVE	+
073 TA 181	(E-N)	1.4+ 8		ORL EXPT	NSE	42	421 70	BURGART+ PHOTONEUTRON SPECT.CURVE	+
073 TA 181	(E-N)	1.0+ 7	3.6+ 7	STF EXPT	PR	116	1551 59	BARBER+ NEUTRON YIELD	+
073 TA 181	(E-P)		4.0+ 7	STF EXPT	NP	16	381 60	BARBER+ DIFF.SIGMA CURVE	+
073 TA 181	(E-SCATTERING)	2.0+ 8		DKE THEO	NP/A	64	231 65	WRIGHT+ SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY (EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
073 TA 181	(E, SCATTERING)	5.0+	8	STF EXPT	PR/C	9	2230	74	WHITNEY+ SIGMA TABLE	+
073 TA 181	(E, X)	NDG		BZL EVAL	NP/A	244	205	75	WOLYNEC+ X=EN, PHOTO./ELECTRODISINT	
073 TA 181	(E, X)	3.0+	7 1.4+	8 EDG EXPT	NP/A	429	61	84	FLOWERS+ SIGMA CURV	
073 TA 181	(E, X)	2.7+	7	USA EXPT	PR	139	8562	65	HERRING+ SIGMA RATIO	
073 TA 181	(E, X)	5.0+	9	USA EXPT	PR/C	4	2123	71	FULMER+ RELATIVE YIELD	
073 TA 181	(E, X)	6.0+	8 1.3+	9 KFT EXPT	SNP	25	493	77	MITROFANOVA+ ACTIVATION YIELDS	
073 TA 181	(E, X)	PILE		BNL EXPT	PR	97	1023	55	MATEOSIAN SIGMA VALUE	+
073 TA 181	(N, G)	3.0+	4 4.0+	6 LRL EXPT	PR	128	2717	62	MISKEL+ SIGMA TBL	+
073 TA 181	(N, G)	1.0+	1 5.0+	4 HAR EXPT	NIM	24	445	63	MOXON+ MOXON-RAO DETECTOR, SIGMA CV	+
073 TA 181	(N, G)	1.3+	5 1.8+	6 ANL EXPT	PR	133	8378	64	COX SIGMA CURVE	+
073 TA 181	(N, G)	3.0+	4 5.1+	6 POL EXPT	NP/A	123	603	69	BRZOSKO+ SIGMA CURVE	+
073 TA 181	(N, G)	1.0+	4 1.5+	5 GER EXPT	NP/A	133	513	69	KOMPE SIGMA CURVE	+
073 TA 181	(N, G)	3.0+	4 3.0+	5 BZL EXPT	NP/A	196	83	72	LEPINE+ SIGMA TABLE	+
073 TA 181	(N, G)	2.5-	2	IND THEO	NP/A	235	307	74	ALAM+ CAL. SIGMA TBL	+
073 TA 181	(N, G)	1.0+	4 7.0+	4 KFK EXPT	NSE	80	630	82	REFFO+ SIGMA CURVE	+
073 TA 181	(N, G)	4.0+	3 1.9+	6 ORL EXPT	NSE	86	362	84	MACKLIN AV. SIGMA TABLE	+
073 TA 181	(N, G)	1.0+	4 4.0+	6 JPN THEO	NSE	96	210	87	YAMAMURO+ CAL. SIGMA CURVE	+
073 TA 181	(N, G)	3.0+	3 2.0+	5 KFK EXPT	PR/C	42	1731	90	WISSHAK+ CAPT. SIGMA	+
073 TA 181	(N, G)	1.0+	6 4.0+	6 SWD EXPT	NP/A	67	321	65	LUNDBERG+ GAMMA SPECTRUM	+
073 TA 181	(N, G)	2.0+	0 3.0+	3 LRL EXPT	PR/C	16	574	77	STELTS+ (N, G) SPECTRA	+
073 TA 181	(N, G)	1.5+	4 3.0+	5 SWD EXPT	NP	39	353	62	BERGQVIST+ N-CAPT. GAMMA	
073 TA 181	(N, G)	2.5-	2 3.5+	2 BNL EXPT	NP/A	132	161	69	WASSON+ GAMMA INTENSITY	
073 TA 181	(N, G)	2.5-	2	KFK EXPT	NP/A	147	150	70	EICHLER+ CIRCULAR POLARIZATION	
073 TA 181	(N, G)	4.0+	0 2.0+	2 AUS EXPT	NP/A	198	430	72	RIEHS+ RESONANCE	
073 TA 181	(N, G)	1.0+	6 7.0+	6 USA EXPT	NSE	47	209	72	YOST+ YIELD TABLE	
073 TA 181	(N, G)	2.5-	2	DDR EXPT	NP/A	226	142	74	ANDREJTSCHIEFF+ GAMMA TRANSITION	
073 TA 181	(N, G)	7.0+	5 2.6+	6 CRL EXPT	CJP	52	989	74	EARLE+ DIPOL. RES. PARAMETER	
073 TA 181	(N, G)	2.0+	3 2.4+	4 BNL EXPT	PR/C	24	1419	81	STELTS+ LEVEL DENSITY	
073 TA 181	(G, INELASTIC)	2.8+	6 3.6+	6 USA EXPT	PR/C	42	1813	90	COLLINS+ INTEGRAT. SIGMA VALUE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
074 W 000	(G, ABSORPTION) CS	6.4+ 6		ISL EXPT	NP/A	252	423	75 MOREH+ ATTENUAT. COEFF.	+
074 W 000	(G, ABSORPTION) CS	NDG		IND EXPT	CJP	67	139	89 LINGAM+ TOT. PHOTOELECTRIC SIGMA	+
074 W 000	(G, ABSORPTION) CS	NDG		IND EXPT	CJP	67	139	89 CHANDRA+ K-SHELL PHOTOELECT. SIGMA	+
074 W 000	(G, ELASTIC) AD	1.1+ 7	1.3+ 7	IND EXPT	NP/A	149	49	70 BASAVARAJU+ DIFF. SIGMA VALUE	+
074 W 000	(G, G)	3.4+ 5	1.4+ 6	AML EXPT	NIM A255	75	87	CHIWATTANAGORN+	+
074 W 000	(G, G)	2.8+ 5	6.6+ 5	IND EXPT	NP/A	73	368	65 ANAND+ DIFF. SIGMA TABLE	+
074 W 000	(G, G)	4.7+ 5		IND EXPT	PR/C	24	1765	81 BARROS+ RAYLEIGH DIFF. SCAT. SIGMA	+
074 W 000	(G, MESON) YD	1.2+ 9		COR EXPT	PR	133	B1200	64 SADOFF+ MESON PHOTOPRODUCTION	+
074 W 000	(G, N) YD	2.3+ 7	3.4+ 7	NBS THEO	PR/C	2	621	70 BERGER+ NEUTRON YIELD	+
074 W 000	(G, P)	NDG		CCP EXPT	NP	37	495	62 SHEVCHENKO+ ANGL. & ENERG. DIST.	+
074 W 000	(G, SCATTERING) XX	NDG		MIT EXPT	PR/C	8	1065	73 HAYWARD+ RES. FLUORESCENCE	+
074 W 000	(G, TOTAL) CS	3.0+ 4	1.8+ 7	IND EVAL	NSE	51	337	73 RAMANA+ SIGMA CURVE	+
074 W 000	(G, TOTAL) CS	2. + 4	2. + 6	IND THEO	NSE	96	330	87 SUBBAIAH+ TOT. PHOTO SIGMA CURVE	+
074 W 000	(E, ABSORPTION) CS	2.4+ 5	1.4+ 6	GER EXPT	NP/A	58	241	64 HANSEN+ SIGMA FOR K IONIZATION	+
074 W 000	(E, ABSORPTION) CS	1.5+ 8	5.0+ 8	CCP EXPT	SNP	23	265	76 VLASENKO+ TOT. HADRONIC SIGMA	+
074 W 000	(E, ELASTIC) AD	9.0+ 2		GER EXPT	2P	203	66	67 LOTH DIFF. YIELD CURVE	+
074 W 000	(E, ELASTIC) AD	1.0+ 9	1.2+ 9	CCP THEO	SNP	13	660	71 TITOV+ ELECTROPRODUCT. MECHANISM	+
074 W 000	(E, N) CS	1.2+ 7	2.0+ 7	NBS THEO	PR/C	7	858	73 SELTZER+ SIGMA CURVE	+
074 W 000	(E, PION) DD	1.2+ 9		CCP EXPT	SNP	11	145	70 TITOV+ DOUBL. DIFF. SIGMA CURVE	+
074 W 000	(E, SCATTERING) AD	1.5+ 7	9.0+ 7	MIT THEO	PR	98	1360	55 GLASSGOLD CAL. SIGMA CURVE	+
074 W 000	(E, SCATTERING) AD	3.1+ 7	6.0+ 7	USA EXPT	PR	99	1396	55 PIDO+ DIFF. SIGMA CURVE	+
074 W 000	(E, X) YD	6.0+ 8	1.3+ 9	KFT EXPT	SNP	25	493	77 MITROFANOVA+ ACTIVATION YIELDS	+
074 W 000	(N, G) CS	1.0+ 4	1.5+ 5	GER EXPT	NP/A	133	513	69 KOMPE SIGMA CURVE	+
074 W 000	(N, G) CS	1.4+ 7		YUG EXPT	NP/A	213	525	73 POTOKAR+ INTEGRAT. SIGMA VALUE	+
074 W 000	(N, G) YD	1.5+ 4	3.0+ 5	SWD EXPT	NP	39	353	62 BERGQVIST+ N-CAPT. GAMMA	+
074 W 000	(N, G) YD	7. + 0	3.6+ 2	POL EXPT	NP/A	123	581	69 SAMOUR+ RESONANT-N CAPT GAMMA	+
074 W 000	(N, G) YD	1.0+ 6	8.5+ 6	USA EXPT	NSE	47	209	72 YOST+ YIELD TABLE	+
074 W 180	(N, G)	5.0+ 3	4.0+ 5	EXPT	SNP	46	33	87 KONONOV+	+
074 W 182	(G, ABSORPTION) CS	7. + 6	2.0+ 7	EXPT	NP/A	338	97	80 GUREVICH+	+
074 W 182	(G, ABSORPTION) CS	7. + 6	2.0+ 7	CCP EXPT	NP/A	351	257	81 GUREVICH+ TOT. ABSORPT. SIGMA CURVE	+
074 W 182	(G, N) CS	8.0+ 6	2.7+ 7	CCP EXPT	SNP	17	1	73 SOROKIN+ SIGMA CURVE & TBL	+
074 W 182	(E, F) CS	3.5+ 7	5.5+ 7	EXTH	PRL	44	716	80 GUENTHER+ FISSION BARRIER	+
074 W 182	(N, G)	5.0+ 3	4.0+ 5	EXPT	SNP	46	33	87 KONONOV+	+
074 W 182	(N, G) CS	3. + 3	2.0+ 6	ORL EXPT	NSE	84	98	83 MACKLIN+ AV. SIGMA TABLE & CURVE	+
074 W 182	(N, G) ED	PILE		USA THEO	NP	34	623	62 TREADO+ GAMMA INTENSITY	+
074 W 182	(N, G) YD	1. + 0	5. + 0	USA EXPT	NP/A	82	441	66 VOGT GAMMA SPECTRA	+
074 W 182	(N, G) YD	2.5- 2	1.1+ 2	RPI EXPT	PR	155	1301	67 RAE+ RESONANCE PARAM.	+
074 W 182	(N, G) YD	6. - 2	4.1+ 0	USA EXPT	PR	155	1368	67 SPENCER+ NEUT.-CAPT. GAMMA	+
074 W 182	(N, G) YD	2.5- 2	2.1+ 1	ANL EXPT	PR	160	1038	67 PRESTWICH+ RESONANCE PARAM.	+
074 W 182	(N, G) YD	1.5+ 2	1.0+ 5	RPI EXPT	NSE	37	137	69 BARTOLOME+ RES. PARAMETER	+
074 W 182	(N, G) YD	7.6+ 0		BNL EXPT	PR/C	7	419	73 CASTEN+ NEUTRON-CAPT. GAMMA	+
074 W 183	(G, G) CS	4. + 6	1.2+ 6	IJI EXPT	SNP	49	567	89 BIGAN+ ISOMER PRODUCT. SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
074 W 183	(N/G)	5.0+	3 4.0+	5	SNP	46	33	87	KONONOV+	+
074 W 183	(N/G)	3. -	3 2.0+	6	ORL EXPT	84	98	83	MACKLIN+	+
074 W 183	(N/G)	2.5-	2 2.7+	1	RPI EXPT	PR	155	1301	RAE+	
074 W 183	(N/G)	6. -	2 7.6+	0	USA EXPT	PR	155	1368	SPENCER+	
074 W 183	(N/G)	1.5+	2 1.0+	5	RPI EXPT	NSE	37	137	BARTOLOME+	
074 W 183	(N/G)	4.1+	0	BNL EXPT	PR/C	7	419	73	CASSTEN+	
074 W 183	(N/G)	2.5-	2 2. -	3	USA EXPT	NP/A	223	66	GREENWOOD+	
074 W 183	(N/G)	2.5-	2 7.6+	0	ANL EXPT	PR/C	11	1401	BUSHNELL+	
074 W 183	(N/G)	2.5-	2 7.6+	0	USA EXPT	PR/C	12	821	CASSTEN+	
074 W 183	(N/G)	2. -	3 2.4+	4	BNL EXPT	PR/C	24	1419	STELTS+	
074 W 183	(N/G)	2. -	3 2.4+	4	BNL EXPT	PR/C	24	1419	STELTS+	
074 W 184	(G, ABSORPTION)	7. -	6 2.0+	7	EXPT	NP/A	338	97	GUREVICH+	
074 W 184	(G, ABSORPTION)	7. -	6 2.0+	7	CCP EXPT	NP/A	351	257	GUREVICH+	
074 W 184	(G, N)	8.0+	6 2.7+	7	CCP EXPT	SNP	17	1	SOROKIN+	
074 W 184	(E, F)	3.5+	7 5.5+	7	EXTH	PRL	44	716	GUENTHER+	
074 W 184	(E, SCATTERING)	2.0+	8	GER THEO	NP/A	78	465	66	DRECHSEL	
074 W 184	(N/G)	5.0+	3 4.0+	5	EXPT	SNP	46	33	KONONOV+	
074 W 184	(N/G)	2.0+	3 2.4+	4	EXPT	NP/A	465	221	BRUCE+	
074 W 184	(N/G)	FISS		CCP EXPT	SNP	4	366	67	DRUZHININ+	
074 W 184	(N/G)	3. -	3 2.0+	6	ORL EXPT	NSE	84	98	MACKLIN+	
074 W 184	(N/G)	PILE		USA THEO	NP	34	623	62	TREDO+	
074 W 184	(N/G)	1.5+	2 1.0+	5	RPI EXPT	NSE	37	137	BARTOLOME+	
074 W 184	(N/G)	7. -	6 2.0+	7	EXPT	NP/A	338	97	GUREVICH+	
074 W 184	(G, ABSORPTION)	7. -	6 2.0+	7	CCP EXPT	NP/A	351	257	GUREVICH+	
074 W 184	(G, N)	8.0+	6 2.7+	7	CCP EXPT	SNP	17	1	SOROKIN+	
074 W 184	(E, F)	3.5+	7 5.5+	7	EXTH	PRL	44	716	GUENTHER+	
074 W 184	(E, SCATTERING)	2.0+	8	GER THEO	NP/A	78	465	66	DRECHSEL	
074 W 184	(N/G)	5.0+	3 4.0+	5	EXPT	SNP	46	33	KONONOV+	
074 W 184	(N/G)	2.0+	3 2.4+	4	EXPT	NP/A	465	221	BRUCE+	
074 W 184	(N/G)	FISS		CCP EXPT	SNP	4	366	67	DRUZHININ+	
074 W 184	(N/G)	3. -	3 2.0+	6	ORL EXPT	NSE	84	98	MACKLIN+	
074 W 184	(N/G)	PILE		USA THEO	NP	34	623	62	TREDO+	
074 W 184	(N/G)	1.5+	2 1.0+	5	RPI EXPT	NSE	37	137	BARTOLOME+	
074 W 186	(G, ABSORPTION)	7. -	6 2.0+	7	EXPT	NP/A	338	97	GUREVICH+	
074 W 186	(G, ABSORPTION)	7. -	6 2.0+	7	CCP EXPT	NP/A	351	257	GUREVICH+	
074 W 186	(G, N)	6.4+	6 7.9+	6	ISL EXPT	NP/A	227	373	WOLF+	
074 W 186	(G, N)	7.2+	6 2.9+	7	LRL EXPT	PR	185	1576	BERMAN+	
074 W 186	(E, F)	3.5+	7 5.5+	7	EXTH	PRL	44	716	GUENTHER+	
074 W 186	(N/G)	5.0+	3 4.0+	5	EXPT	SNP	46	33	KONONOV+	
074 W 186	(N/G)	2.0+	3 2.4+	4	EXPT	NP/A	465	221	BRUCE+	
074 W 186	(N/G)	2. -	5 1.5+	6	COL THEO	PR	116	937	MOSSIN-KOIN+	
074 W 186	(N/G)	3.0+	4 4.0+	6	LRL EXPT	PR	128	2717	MISKEL+	
074 W 186	(N/G)	FISS		CCP EXPT	SNP	4	366	67	DRUZHININ+	
074 W 186	(N/G)	3. -	3 2.0+	6	ORL EXPT	NSE	84	98	MACKLIN+	
074 W 186	(N/G)	PILE		USA THEO	NP	34	623	62	TREDO+	
074 W 186	(N/G)	6. -	2 1.9+	1	USA EXPT	PR	155	1368	SPENCER+	
074 W 186	(N/G)	2.5-	2 1.9+	1	ANL EXPT	PR	160	1038	PRESTWICH+	
074 W 186	(N/G)	1.5+	2 1.0+	5	RPI EXPT	NSE	37	137	BARTOLOME+	
074 W 186	(N/G)	2.5-	2 2.4+	4	BNL EXPT	NP/A	228	493	CASSTEN+	
074 W 186	(N/G)	PILE		CCP EXPT	NP/A	341	155	92	BEITINS+	
074 W 186	(N/G)	7. -	6 2.0+	7	EXPT	NP/A	338	97	GUREVICH+	
074 W 186	(G, ABSORPTION)	7. -	6 2.0+	7	CCP EXPT	NP/A	351	257	GUREVICH+	
074 W 186	(G, N)	8.0+	6 2.7+	7	CCP EXPT	SNP	17	1	SOROKIN+	
074 W 186	(E, F)	3.5+	7 5.5+	7	EXTH	PRL	44	716	GUENTHER+	
074 W 186	(E, SCATTERING)	2.0+	8	GER THEO	NP/A	78	465	66	DRECHSEL	
074 W 186	(N/G)	5.0+	3 4.0+	5	EXPT	SNP	46	33	KONONOV+	
074 W 186	(N/G)	2.0+	3 2.4+	4	EXPT	NP/A	465	221	BRUCE+	
074 W 186	(N/G)	FISS		CCP EXPT	SNP	4	366	67	DRUZHININ+	
074 W 186	(N/G)	3. -	3 2.0+	6	ORL EXPT	NSE	84	98	MACKLIN+	
074 W 186	(N/G)	PILE		USA THEO	NP	34	623	62	TREDO+	
074 W 186	(N/G)	1.5+	2 1.0+	5	RPI EXPT	NSE	37	137	BARTOLOME+	
074 W 186	(N/G)	7. -	6 2.0+	7	EXPT	NP/A	338	97	GUREVICH+	
074 W 186	(G, ABSORPTION)	7. -	6 2.0+	7	CCP EXPT	NP/A	351	257	GUREVICH+	
074 W 186	(G, N)	8.0+	6 2.7+	7	CCP EXPT	SNP	17	1	SOROKIN+	
074 W 186	(E, F)	3.5+	7 5.5+	7	EXTH	PRL	44	716	GUENTHER+	
074 W 186	(E, SCATTERING)	2.0+	8	GER THEO	NP/A	78	465	66	DRECHSEL	
074 W 186	(N/G)	5.0+	3 4.0+	5	EXPT	SNP	46	33	KONONOV+	
074 W 186	(N/G)	2.0+	3 2.4+	4	EXPT	NP/A	465	221	BRUCE+	
074 W 186	(N/G)	FISS		CCP EXPT	SNP	4	366	67	DRUZHININ+	
074 W 186	(N/G)	3. -	3 2.0+	6	ORL EXPT	NSE	84	98	MACKLIN+	
074 W 186	(N/G)	PILE		USA THEO	NP	34	623	62	TREDO+	
074 W 186	(N/G)	1.5+	2 1.0+	5	RPI EXPT	NSE	37	137	BARTOLOME+	
074 W 186	(N/G)	7. -	6 2.0+	7	EXPT	NP/A	338	97	GUREVICH+	
074 W 186	(G, ABSORPTION)	7. -	6 2.0+	7	CCP EXPT	NP/A	351	257	GUREVICH+	
074 W 186	(G, N)	8.0+	6 2.7+	7	CCP EXPT	SNP	17	1	SOROKIN+	
074 W 186	(E, F)	3.5+	7 5.5+	7	EXTH	PRL	44	716	GUENTHER+	
074 W 186	(E, SCATTERING)	2.0+	8	GER THEO	NP/A	78	465	66	DRECHSEL	
074 W 186	(N/G)	5.0+	3 4.0+	5	EXPT	SNP	46	33	KONONOV+	
074 W 186	(N/G)	2.0+	3 2.4+	4	EXPT	NP/A	465	221	BRUCE+	
074 W 186	(N/G)	FISS		CCP EXPT	SNP	4	366	67	DRUZHININ+	
074 W 186	(N/G)	3. -	3 2.0+	6	ORL EXPT	NSE	84	98	MACKLIN+	
074 W 186	(N/G)	PILE		USA THEO	NP	34	623	62	TREDO+	
074 W 186	(N/G)	1.5+	2 1.0+	5	RPI EXPT	NSE	37	137	BARTOLOME+	
074 W 186	(N/G)	7. -	6 2.0+	7	EXPT	NP/A	338	97	GUREVICH+	
074 W 186	(G, ABSORPTION)	7. -	6 2.0+	7	CCP EXPT	NP/A	351	257	GUREVICH+	
074 W 186	(G, N)	8.0+	6 2.7+	7	CCP EXPT	SNP	17	1	SOROKIN+	
074 W 186	(E, F)	3.5+	7 5.5+	7	EXTH	PRL	44	716	GUENTHER+	
074 W 186	(E, SCATTERING)	2.0+	8	GER THEO	NP/A	78	465	66	DRECHSEL	
074 W 186	(N/G)	5.0+	3 4.0+	5	EXPT	SNP	46	33	KONONOV+	
074 W 186	(N/G)	2.0+	3 2.4+	4	EXPT	NP/A	465	221	BRUCE+	
074 W 186	(N/G)	FISS		CCP EXPT	SNP	4	366	67	DRUZHININ+	
074 W 186	(N/G)	3. -	3 2.0+	6	ORL EXPT	NSE	84	98	MACKLIN+	
074 W 186	(N/G)	PILE		USA THEO	NP	34	623	62	TREDO+	
074 W 186	(N/G)	1.5+	2 1.0+	5	RPI EXPT	NSE	37	137	BARTOLOME+	
074 W 186	(N/G)	7. -	6 2.0+	7	EXPT	NP/A	338	97	GUREVICH+	
074 W 186	(G, ABSORPTION)	7. -	6 2.0+	7	CCP EXPT	NP/A	351	257	GUREVICH+	
074 W 186	(G, N)	8.0+	6 2.7+	7	CCP EXPT	SNP	17	1	SOROKIN+	
074 W 186	(E, F)	3.5+	7 5.5+	7	EXTH	PRL	44	716	GUENTHER+	
074 W 186	(E, SCATTERING)	2.0+	8	GER THEO	NP/A	78	465	66	DRECHSEL	
074 W 186	(N/G)	5.0+	3 4.0+	5	EXPT	SNP	46	33	KONONOV+	
074 W 186	(N/G)	2.0+	3 2.4+	4	EXPT	NP/A	465	221	BRUCE+	
074 W 186	(N/G)	FISS		CCP EXPT	SNP	4	366	67	DRUZHININ+	
074 W 186	(N/G)	3. -	3 2.0+	6	ORL EXPT	NSE	84	98	MACKLIN+	
074 W 186	(N/G)	PILE		USA THEO	NP	34	623	62	TREDO+	
074 W 186	(N/G)	1.5+	2 1.0+	5	RPI EXPT	NSE	37	137	BARTOLOME+	
074 W 186	(N/G)	7. -	6 2.0+	7	EXPT	NP/A	338	97	GUREVICH+	
074 W 186	(G, ABSORPTION)	7. -	6 2.0+	7	CCP EXPT	NP/A	351	257	GUREVICH+	
074 W 186	(G, N)	8.0+	6 2.7+	7	CCP EXPT	SNP	17	1	SOROKIN+	
074 W 186	(E, F)	3.5+	7 5.5+	7	EXTH	PRL	44	716	GUENTHER+	
074 W 186	(E, SCATTERING)	2.0+	8	GER THEO	NP/A	78	465	66	DRECHSEL	
074 W 186	(N/G)	5.0+	3 4.0+	5	EXPT	SNP	46	33	KONONOV+	
074 W 186	(N/G)	2.0+	3 2.4+	4	EXPT	NP/A	465	221	BRUCE+	
074 W 186	(N/G)	FISS		CCP EXPT	SNP	4	366	67	DRUZHININ+	
074 W 186	(N/G)	3. -	3 2.0+	6	ORL EXPT	NSE	84	98	MACKLIN+	
074 W 186	(N/G)	PILE		USA THEO	NP	34	623	62	TREDO+	
074 W 186	(N/G)	1.5+	2 1.0+	5	RPI EXPT	NSE	37	137	BARTOLOME+	
074 W 186	(N/G)	7. -	6 2.0+	7	EXPT	NP/A	338	97	GUREVICH+	
074 W 186	(G, ABSORPTION)	7. -	6 2.0+	7	CCP EXPT	NP/A	351	257	GUREVICH+	
074 W 186	(G, N)	8.0+	6 2.7+	7	CCP EXPT	SNP	17	1	SOROKIN+	
074 W 186	(E, F)	3.5+	7 5.5+	7	EXTH	PRL	44	716	GUENTHER+	
074 W 186	(E, SCATTERING)	2.0+	8	GER THEO	NP/A	78	465	66	DRECHSEL	
074 W 186	(N/G)	5.0+	3 4.0+	5	EXPT	SNP	46	33	KONONOV+	
074 W 186	(N/G)	2.0+	3 2.4+	4	EXPT	NP/A	465	221	BRUCE+	
074 W 186	(N/G)	FISS		CCP EXPT	SNP	4	366	67	DRUZHININ+	
074 W 186	(N/G)	3. -	3 2.0+	6	ORL EXPT	NSE	84	98	MACKLIN+	
074 W 186	(N/G)	PILE		USA THEO	NP	34	623	62	TREDO+	
074 W 186	(N/G)	1.5+	2 1.0+	5	RPI EXPT	NSE	37	137	BARTOLOME+	
074 W 186	(N/G)	7. -	6 2.0+	7	EXPT	NP/A	338	97	GUREVICH+	
074 W 186	(G, ABSORPTION)	7. -	6 2.0+	7	CCP EXPT	NP/A	351	257	GUREVICH+	
074 W 186	(G, N)	8.0+	6 2.7+	7	CCP EXPT	SNP	17	1	SOROKIN+	
074 W 186	(E, F)	3.5+	7 5.5+	7	EXTH	PRL	44	716	GUENTHER+	
074 W 186	(E, SCATTERING)	2.0+	8	GER THEO	NP/A	78	465	66	DRECHSEL	
074 W 186	(N/G)	5.0+	3 4.0+	5	EXPT	SNP	46	33		

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
075 RE 000	(G,F)	2.0+ 8	2.6+ 8	CCP EXPT	SNP	5	26	67 RANYUK+ SIGMA TABLE	+
075 RE 000	(N,G)	1.0+ 4	1.5+ 5	GER EXPT	NP/A	133	513	69 KOMPE SIGMA CURVE	+
075 RE 000	(N,G)	3. + 3	1.9+ 6	DRL EXPT	NSE	97	239	87 MACKLIN+ AV.SIGMA TABLE & CURVE	+
075 RE 185	(G,SCATTERING)	6.5+ 5	8.7+ 5	USA EXPT	PR	157	1060	67 METZGER RESONANCE FLUORESCENCE	
075 RE 185	(N,G)	3.0+ 3	1.9+ 6	ORL EXPT	NSE	97	239	87 MACKLIN+	
075 RE 185	(N,G)	1.5+ 7		CCP EXPT	SNP	5	13	67 DRUZHININ+ SIGMA VALUE A	+
075 RE 185	(N,G)	PILE		CCP EXPT	SNP	33	1	81 BECVAR+ NEUTRON-CAPTURED GAMMA	
075 RE 185	(N,G)	PILE		CCP EXPT	SNP	37	809	83 BECVAR+ N-RES.TBL,RE186 LVL TBL	
075 RE 185	(N,G)	3.5+ 4	2.5+ 5	CCP EXPT	SNP	5	493	67 PROKOFEV+ RE-186 LEVEL	
075 RE 185	(N,G)	2.1+ 0	1.5+ 2	USA EXPT	PR/C	4	1466	71 STOLOVY+ NEUTRON RESONANCE	
075 RE 185	(N,G)	PILE		GER EXPT	ZP	265	335	73 GLAIZ LEVEL SCHEME	
075 RE 187	(G,G)	4.8+ 5	7.7+ 5	USA EXPT	PR	135	B1	64 LANGHOFF RES.FLUORESC.	
075 RE 187	(G,G)	5.1+ 5		USA EXPT	PR	159	1033	67 LANGHOFF RESONANCE FLUORESC.	
075 RE 187	(N,G)	3.0+ 3	1.9+ 6	ORL EXPT	NSE	97	239	87 MACKLIN+	
075 RE 187	(N,G)	1.5+ 7		CCP EXPT	SNP	5	13	67 DRUZHININ+ SIGMA VALUE A	+
075 RE 187	(N,G)	NDG		BLG THEO	PR/C	9	723	74 BAUDINET-ROBINET SIGMA TBL	+
075 RE 187	(N,G)	3.5+ 4	2.5+ 5	CCP EXPT	SNP	5	493	67 PROKOFEV+ RE-188 LEVEL	
075 RE 187	(N,G)	4.4+ 0	1.5+ 2	USA EXPT	PR/C	4	1466	71 STOLOVY+ NEUTRON RESONANCE	
076 OS 000	(G,F)	2.0+ 8	2.6+ 8	CCP EXPT	SNP	5	26	67 RANYUK+ SIGMA TABLE	+
076 OS 000	(N,G)	6.7+ 0	6.1+ 1	ANL EXPT	PR	124	1142	61 JACKSON+ NEUTRON RESONANCE	
076 OS 186	(G,N)	1.1+ 7	2.0+ 7	EXPT	PR/C	19	1205	79 BERMAN+ (N+PN),(2N+P2N),3N	
076 OS 186	(N,G)	2.6+ 3	8.0+ 5	EXPT	PR/C	21	563	80 WINTERS+ STRENG.FUNC.,MAX-AV CS	
076 OS 186	(N,G)	2. + 0	1.5+ 5	LRL EXPT	PR/C	23	1434	81 BROWNE+ MAXWEL.AVER.SIGMA	+
076 OS 186	(N,G)	2.5+ 2	4.5+ 5	EXPT	PR/C	25	208	82 WINTERS+	
076 OS 187	(N,G)	2.6+ 3	8.0+ 5	EXPT	PR/C	21	563	80 WINTERS+ STRENG.FUNC.,MAX-AV CS	
076 OS 187	(N,G)	2. + 0	1.5+ 5	LRL EXPT	PR/C	23	1434	81 BROWNE+ MAXWEL.AVER.SIGMA	+
076 OS 187	(N,G)	2.5+ 2	4.5+ 5	EXPT	PR/C	25	208	82 WINTERS+	
076 OS 187	(N,G)	5. + 0	3.5+ 2	NRL EXPT	PR/C	14	965	76 STOLOVY+ OS-188 LEVELS	
076 OS 187	(N,G)	2.6+ 0	3.0+ 2	NRL EXPT	NP/A	237	45	75 NAMENSON+ RESONANCE PARAM.	
076 OS 187	(N,G)	PILE		MOL EXPT	ZP/A	314	159	83 FETTWELIS+ OS188 LVL TBL	
076 OS 188	(G,N)	7. + 6	3.0+ 7	EXPT	PR/C	19	1205	79 BERMAN+ (N+PN),(2N+P2N),3N	

ELEMENT Z S A	QUANTITY	ENERGY(CEV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
076 OS 188	(E-E)	2.0+ 8	5.0+ 8	EXPT	PL/B	186	285 87	BOEGLIN+ TRANSITION CHARGE DENSITY	
076 OS 188	(E-SCATTERING) XX	2.0+ 8	5.0+ 8	SWT	NP/A	477	399 88	BOEGLIN+ STRENGTH.FUNC.-MAX-AV CS	
076 OS 188	(N-G) CS	2.6+ 3	8.0+ 5	EXPT	PR/C	21	563 80	WINTERS+ MAXWEL.AVER.SIGMA	+
076 OS 188	(N-G) CS	2.0+ 0	1.5+ 5	LRL EXPT	PR/C	23	1434 81	BROWNE+ GAMMA INTENSITY	
076 OS 188	(N-G) CS	2.5+ 2	4.5+ 5	EXPT	PR/C	25	208 82	WINTERS+ BRUCE+ GAMMA INTENSITY	
076 OS 188	(N-G) YD	2.5- 2	2.4+ 4	UK EXPT	NP/A	542	1 92		
076 OS 189	(G-N) CS	7. + 6	3.0+ 7	EXPT	PR/C	19	1205 79	BERMAN+ (N+PN), (2N+P2N), 3N	
076 OS 189	(N-G) CS	2. + 0	1.5+ 5	LRL EXPT	PR/C	23	1434 81	BROWNE+ MAXWEL.AVER.SIGMA	+
076 OS 189	(N-G) ED	5. + 0	3.5+ 2	NRL EXPT	PR/C	14	965 76	STOLOVY+ OS-190 LEVELS	
076 OS 189	(N-G) YD	2.6+ 0	3.0+ 2	NRL EXPT	NP/A	237	45 75	NAMENSON+ RESONANCE PARAM.	
076 OS 189	(N-G) YD	2. + 3	2.4+ 4	BNL EXPT	PR/C	24	1419 81	STELTS+ LEVEL DENSITY	
076 OS 190	(G-N) CS	7. + 6	3.0+ 7	EXPT	PR/C	19	1205 79	BERMAN+ (N+PN), (2N+P2N), 3N	
076 OS 190	(E-SCATTERING) XX	2.0+ 8	5.0+ 8	SWT	NP/A	477	399 88	BOEGLIN+ TRANSITION CHARGE DENSITY	
076 OS 190	(N-G) CS	2. + 0	1.5+ 5	LRL EXPT	PR/C	23	1434 81	BROWNE+ MAXWEL.AVER.SIGMA	+
076 OS 190	(N-G) CS	5.3+ 5	1.3+ 6	POL EXPT	NP/A	357	1 81	HERMAN+ ACTIVATION SIGMA	+
076 OS 190	(N-G) YD	2.5- 2		FR EXPT	NP/A	534	255 91	BOERNER+ LEVEL STRUCTURE	
076 OS 192	(G-N) CS	7. + 6	3.0+ 7	EXPT	PR/C	19	1205 79	BERMAN+ (N+PN), (2N+P2N), 3N	
076 OS 192	(E-SCATTERING) DD	1.5+ 8	3.6+ 8	MIT EXPT	PR/C	30	1465 84	REUTERE+ DDX SIGMA TBL	+
076 OS 192	(E-SCATTERING) XX	2.0+ 8	5.0+ 8	SWT	NP/A	477	399 88	BOEGLIN+ TRANSITION CHARGE DENSITY	
076 OS 192	(N-G) CS	2. + 0	1.5+ 5	LRL EXPT	PR/C	23	1434 81	BROWNE+ MAXWEL.AVER.SIGMA	+
076 OS 192	(N-G) CS	5.3+ 5	1.3+ 6	POL EXPT	NP/A	357	1 81	HERMAN+ ACTIVATION SIGMA	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
077 IR 000	(N,G)	5. + 5	3.0+ 6	FR EXPT	NSE	70	53	79	JOLY+ SIGMA CURVE & TABLE	+
077 IR 000	(N,G)		1.0+ 4	USA EXPT	NP/A	78	576	66	WASSON+ RESONANT N-CAPTURE	
077 IR 191	(G,G)	1.3+ 5		CCP EXPT	SNP	7	447	68	DAVYDOV+ RESONANT SCATT. CURVE	+
077 IR 191	(G,G)	8.3+ 4	6.3+ 5	USA EXPT	PR	136	81590	64	LANGHOFF RES.FLUORESC.	
077 IR 191	(G,G)	8. + 6	2.1+ 7	SGU EXPT	SNP	27	779	78	GORYACHEV+ PHOTONEUTRON YIELDS	
077 IR 191	(G,SCATTERING)	5.4+ 5	6.6+ 5	USA EXPT	PR	162	1153	67	SCHUMACHER+ RESONANCE FLUORESC.	
077 IR 191	(N,G)	MAXW		GER EXPT	NP/A	169	363	71	KRUEGER+ GAMMA TRANSITION	
077 IR 191	(N,G)	PILE		GER EXPT	NP/A	169	363	71	KRUEGER+ GAMMA TRANSITION	
077 IR 193	(G,N)	8. + 6	2.1+ 7	SGU EXPT	SNP	27	779	78	GORYACHEV+ PHOTONEUTRON YIELDS	
077 IR 193	(N,G)	2.5- 2		DDR EXPT	NP/A	115	213	68	HEISER+ GAMMA TRANSITION	
077 IR 193	(N,G)	MAXW		GER EXPT	NP/A	169	363	71	KRUEGER+ GAMMA TRANSITION	
077 IR 193	(N,G)	PILE		GER EXPT	NP/A	169	363	71	KRUEGER+ GAMMA TRANSITION	
078 PT 000	(G,F)	1.0+ 8	2.6+ 8	CCP EXPT	SNP	5	26	67	RANYUK+ SIGMA TABLE	+
078 PT 000	(G,G)	1.2+ 5	14 5	AUW EXPT	NIM A257	378	87		SARMA+	+
078 PT 000	(G,G)	1.1+ 6		IND EXPT	NP/A	62	296	65	NARASIMHA+ DIFF.-SIGMA TABLE	+
078 PT 000	(G,P)	2.3+ 7	3.4+ 7	CCP EXPT	NP	37	495	62	SHEVCHENKO+ ANGL.& ENERG.DIST.	
078 PT 000	(G,SCATTERING)	NDG		MIT EXPT	PR/C	8	1065	73	HAYWARD+ RES. FLUORESCENCE	
078 PT 000	(E,ELASTIC)	9.0+ 2		GER EXPT	ZP	203	66	67	LOTH DIFF.YIELD CURVE	
078 PT 000	(E,G)	2.5+ 7		UI EXPT	PR	117	194	60	JAMNIK+ 15MEV-BREM MEASURED	+
078 PT 000	(N,G)	5. - 1	1.6+ 2	ANL EXPT	PR	124	1142	61	JACKSON+ NEUTRON RESONANCE	
078 PT 000	(N,G)	2.5- 2		CCP EXPT	SNP	7	563	68	GROSHEV+ GAMMA ENERGY & INTENSITY	
078 PT 194	(G,N)	8. + 6	2.1+ 7	SGU EXPT	SNP	27	779	78	GORYACHEV+ PHOTONEUTRON YIELDS	
078 PT 194	(E,SCATTERING)	2.0+ 8	5.0+ 8	SWT EXPT	NP/A	477	399	88	BOEGLIN+ TRANSITION CHARGE DENSITY	
078 PT 195	(G,G)	1.3+ 5		GER EXPT	NP/A	181	289	72	WOLBECK+ MOESSBAUER EFF.G-FACTOR	
078 PT 195	(G,N)	8. + 6	2.1+ 7	SGU EXPT	SNP	27	779	78	GORYACHEV+ PHOTONEUTRON YIELDS	
078 PT 195	(N,G)	1.0+ 1	7.0+ 2	SAC EXPT	NP/A	121	65	68	SAMOUR+ RESONANCE PARAMETER	
078 PT 195	(N,G)	2. + 3	2.4+ 4	BNL EXPT	PR/C	24	1419	81	STELTS+ LEVEL DENSITY	
078 PT 196	(G,N)	8. + 6	2.1+ 7	SGU EXPT	SNP	27	779	78	GORYACHEV+ PHOTONEUTRON YIELDS	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
078 PT 196	(E,SCATTERING) XX	2.0+ 8	5.0+ 8	SWT EXPT	NP/A	477	399 88	BOEGLIN+ TRANSITION CHARGE DENSITY	+
078 PT 196	(N,G)	2.5- 2		BNL EXPT	PR	128	761 62	SEHGAL ISOMERIC SIGMA VALUE	+
078 PT 196	(N,G)	5.3+ 5	1.3+ 6	POL EXPT	NP/A	357	1 81	HERMAN+ ACTIVATION SIGMA	+
078 PT 196	(N,G)	NDG		ANL COMP	NP/A	118	650 68	ROSENZWEIG RESONANCE PARAMETER	
078 PT 196	(N,G)	1.2+ 1	3.0+ 2	BNL EXPT	PR	127	1680 62	CHRIEN+ RESONANT NEUT-CAPT GAMMA	
078 PT 198	(G,N)	8. + 6	2.1+ 7	SGU EXPT	SNP	27	779 78	GORYACHEV+ PHOTONEUTRON YIELDS	+
078 PT 198	(N,G)	5.3+ 5	1.3+ 6	POL EXPT	NP/A	357	1 81	HERMAN+ ACTIVATION SIGMA	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
079 AU 197	(G,A)	5.0+ 8		SWT EXPT	NP/A	223	145 74	ADLER+ DOUBL.DIFF.SIGMA CURVE	+
079 AU 197	(G,A)	3.5+ 7		ITY EXPT	NP/A	61	316 65	MENEGHETTI+ ALPHA SPECTRUM	+
079 AU 197	(G,ABSORPTION) CS	6.4+ 6		ISL EXPT	NP/A	252	423 75	MOREH+ ATTENUAT. COEFF.	+
079 AU 197	(G,ABSORPTION) CS	7. + 6	2.0+ 7	EXPT	NP/A	338	97 80	GUREVICH+	+
079 AU 197	(G,ABSORPTION) CS	3.2+ 4	1.5+ 5	IND EXPT	CJP	59	22 81	PUTTASWAMY+ TOT.ATTENUAT.SIGMA	+
079 AU 197	(G,ABSORPTION) CS	5.0+ 3	1.5+ 5	IND EXPT	CJP	59	853 81	PUTTASWAMY+ K-SHELL PHOTOELECTRIC	+
079 AU 197	(G,ABSORPTION) CS	7. + 6	2.0+ 7	CCP EXPT	NP/A	351	257 81	GUREVICH+ TOT.ABSORPT.SIGMA CURVE	+
079 AU 197	(G,ABSORPTION) CS	NDG		IND EXPT	CJP	67	139 89	LINGAM+ TOT.PHOTOELECTRIC SIGMA	+
079 AU 197	(G,ABSORPTION) CS	NDG		IND EXPT	CJP	67	139 89	CHANDRA+ K-SHELL PHOTOELECT.SIGMA	+
079 AU 197	(G,ABSORPTION) CS	69 + 7		ITY EXPT	PR/C	44	354 91	MARTINS+ SIGMA TABLE	+
079 AU 197	(G,E)	2.6+ 6		USA EXPT	NP/A	80	588 66	TITUS+ PAIR PRODUCT.SIGMA VALUE	+
079 AU 197	(G,E)	3.2+ 5		IND EXPT	CJP	55	1592 77	RANGANATHALAH+ K-SHELL PHOTOSIGMA	+
079 AU 197	(G,ELASTIC)	1.2+ 7	1.8+ 7	UI EXPT	PR	126	228 62	O'CONNELL+ 135DEG.DIFF.SIGMA	+
079 AU 197	(G,F)	1.5+ 8	5.0+ 8	LRL EXPT	PR	106	585 57	JUNGERMAN PHOTOFISSION	+
079 AU 197	(G,F)	1.0+ 8	2.6+ 8	CCP EXPT	SNP	5	26 67	RANYUK+ SIGMA TABLE	+
079 AU 197	(G,F)	3.0+ 8	9.0+ 8	CCP EXPT	NP/A	167	97 71	METHASIRI+ SIGMA PLOT & TABLE	+
079 AU 197	(G,F)	1.0+ 8	5. + 12	CCP EXPT	SNP	14	37 72	VARTAPETIAN+ SIGMA TBL & CURVE	+
079 AU 197	(G,F)	1. + 9	7.4+ 9	SWD EXPT	NP/A	197	44 72	ANDERSSON+ SIGMA PLOT	+
079 AU 197	(G,F)	5.8+ 8		CAN EXPT	NP/A	279	331 76	KIELY+ FISSION SIGMA VALUE	+
079 AU 197	(G,F)	1.0+ 8	3.0+ 8	FRA EXPT	PR/C	39	911 89	LUCHERINI+ SIGMA CURVE	+
079 AU 197	(G,F)	69 + 7		ITY EXPT	PR/C	44	354 91	MARTINS+ SIGMA TABLE	+
079 AU 197	(G,F)	8. + 8	2.2+ 9	GER EXPT	NP/A	197	163 72	DAVID+ MASS YIELD	+
079 AU 197	(G,F)	1.0+ 9	7.4+ 9	SWD EXPT	NP/A	197	81 72	KROON+ MASS-YIELD RATIO	+
079 AU 197	(G,F)	6.0+ 8	5.1+ 9	CCP EXPT	SNP	16	502 73	DEMEKHINA+ FRAGMENT ANISOTROPY	+
079 AU 197	(G,F)	6.0+ 8		SWT EXPT	NP/A	226	93 74	ARESKOUG+ MASS & CHARGE DIST.	+
079 AU 197	(G,G)	6.6+ 5		BLG EXPT	NP/A	119	667 68	PINGOT DIFF.SIGMA TABLE	+
079 AU 197	(G,G)	2.8+ 5		BLG EXPT	NP/A	133	334 69	PINGOT DIFF.INCOHERENT SCAT.SIGM	+
079 AU 197	(G,INELASTIC)	9. + 6	1.5+ 7	USA EXPT	PR	104	185 56	MEYER-SCHUETZMEISTER+ ISOMER PROD.	+
079 AU 197	(G,INELASTIC)	7. + 6		ANL EXPT	NP	34	457 62	HUIZENGA+ ISOMERIC SIGMA RATIO	+
079 AU 197	(G,INELASTIC)	1.2+ 7	3.0+ 7	FR EXPT	NP/A	54	114 64	LANGEVIN+ SIGMA & SPECTRUM	+
079 AU 197	(G,INELASTIC)	1.0+ 8	8.0+ 8	SWD EXPT	NP/A	211	310 73	BERKMAN+ SIGMA CURVE & TABLE	+
079 AU 197	(G,N)	1.5+ 7	2.0+ 7	USA EXPT	PR/C	36	1286 87	REINHARDT+ ANGL.DIST.OF NEUTRON	+
079 AU 197	(G,N)	5.5+ 7		USA EXPT	NP	30	201 62		

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA			
		MIN	MAX		REF	VOL	PAGE			YEAR		
079 AU 197	(G,N)			AD	SNP	20	128	75 LAZAREVA+ NEUT.SPECT. CURVE	+			
079 AU 197	(G,N)	8. +	7 2.5+	7 NBS EVAL	PR	112	560	58 FULLER+ SIGMA CURVE	+			
079 AU 197	(G,N)	1.8+	7 6.5+	7 USA EXPT	NP	13	292	59 AULL+ INTEGRAT.SIGMA CURVE	+			
079 AU 197	(G,N)	1.0+	7 2.0+	7 STF EXPT	NP	18	575	60 BARBER+ DERIVED SIGMA CURVE	+			
079 AU 197	(G,N)	7.5+	6 1.1+	7 PEN EXPT	PR	121	880	61 WELSH+ SIGMA TBL	+			
079 AU 197	(G,N)	8. +	6 2.5+	7 LRL EXPT	PR	127	1273	62 FULTZ+ MONOCHRO.PHOTON SOURCE	+			
079 AU 197	(G,N)		2.2+	7 SAC EXPT	NP	32	236	62 MILLER+ INTEGRAT.SIGMA VALUE	+			
079 AU 197	(G,N)	7.7+	6 1.1+	7 USA EXPT	NP/A	91	365	67 HURST+ SIGMA VALUE	+			
079 AU 197	(G,N)	1.0+	9 5.5+	9 IY EXPT	NP/A	126	505	69 DE CARVALHO+ SIGMA PLOT	+			
079 AU 197	(G,N)	8.0+	7 9.0+	8 SWD EXPT	NP/A	166	643	71 LINDGREN+ SIGMA CURVE & VALUE	+			
079 AU 197	(G,N)	NDG		BZL EVAL	NP/A	244	205	75 WOLYNEC+ PHOTO./ELECTRODISINT.	+			
079 AU 197	(G,N)	2.2+	7 3.0+	7 JPN EXPT	NIM	147	563	77 HIRAYAMA+ EFFECT-BREMSST.SIGMA	+			
079 AU 197	(G,N)	1.4+	7 1.6+	7 MIT EXPT	PR	110	790	58 BERTOZZI+ NEUT.SPECTRA	+			
079 AU 197	(G,N)	5.5+	7	USA EXPT	NP	20	408	60 ASKEW+ NEUTRON SPECTR.TBL	+			
079 AU 197	(G,N)		2.9+	7 CCP EXPT	SNP	20	128	75 LAZAREVA+ NEUT.SPECT. CURVE	+			
079 AU 197	(G,N)	6.7+	6 9.4+	6	EXPT	NP/A	289	79 BARKMAN+ Q-VALUE OF PHOTONEUT.	+			
079 AU 197	(G,N)	2.9+	7	CCP EXPT	SNP	42	507	85 LEPESTKIN+ ENERGY DIST. CURVE	+			
079 AU 197	(G,N)	1.0+	7 9.0+	7 CCP EXPT	SNP	33	308	81 DZHLAVYAN+ ISOMERIC RATIO	+			
079 AU 197	(G,P)		4.0+	8 SWD EXPT	2P	265	1	73 DOUGAN+ DIFF.SIGMA TABLE	+			
079 AU 197	(G,P)		4.0+	7 4.0+	8 ORL THEO	PR/C	13	240	76 GABRIEL PHOTOPROTON SIGMA	+		
079 AU 197	(G,P)	7.0+	7	CAN EXPT	CJP	34	1480	56 DAWSON ENERGY & ANGL.DISTRIBUTION	+			
079 AU 197	(G,P)		4.0+	8	SWD THEO	2P	269	105	74 DOUGAN+ CAL.SIGMA CURVE	+		
079 AU 197	(G,SCATTERING)	AD		GER EXPT	2P/A	283	15	77 SCHUMACHER+ RAYLEIGH SCATT. TBL	+			
079 AU 197	(G,SCATTERING)	XX		MIT EXPT	PR/C	8	1065	73 HAYWARD+ RES. FLUORESCENCE	+			
079 AU 197	(G,TOTAL)		6.6+	8	NBS EXPT	PR	115	351	59 TITUS TOT.PHOTOELECTRIC SIGMA	+		
079 AU 197	(G,TOTAL)		3.0+	4	1.8+	7	IND EVAL	NSE	51	337	73 RAMANA+ SIGMA CURVE & TBL	+
079 AU 197	(G,X)		4.5+	8	GER EXPT	NP/A	221	145	74 DAVID+ SIGMA CURVE & TBL	+		
079 AU 197	(G,X)		3.0+	7	1.4+	8	EDG EXPT	NP/A	429	61	84 FLOWERS+ SIGMA CURV	+
079 AU 197	(G,X)		8.0+	8	SWD EXPT	2P/A	281	47	77 JAERUND+ RECOIL ENERG. OF FRAGMENT	+		
079 AU 197	(G,X)		8. +	6 2.5+	7 LRL EXPT	PR	127	1273	62 FULTZ+ MONOCHRO.PHOTON SOURCE	+		
079 AU 197	(G,X)		6. +	6 3.5+	7 SAC EXPT	NP/A	159	561	70 VEYSSIERE+ SIGMA CURVE & TABLE	+		
079 AU 197	(G,X)		1.8+	8 9.0+	8 SWD EXPT	NP/A	166	643	71 LINDGREN+ SIGMA CURVE & VALUE	+		
079 AU 197	(G,X)		1. +	9 7.4+	9 SWD EXPT	NP/A	197	44	72 ANDERSSON+ SIGMA PLOT	+		
079 AU 197	(G,X)		3.5+	8 3.0+	9 SWD THEO	NP/A	197	71	72 LINDGREN+ SPALLATION REACTION	+		
079 AU 197	(G,2N)		2.3+	7 3.2+	7 STF EXPT	NP	18	575	60 BARBER+ DERIVED SIGMA CURVE	+		
079 AU 197	(G,2N)			2.2+	7 BZL EXPT	NP	22	484	61 NASCIMENTO+ SIGMA CURVE	+		
079 AU 197	(G,2N)		1.4+	7 2.5+	7 LRL EXPT	PR	127	1273	62 FULTZ+ MONOCHRO.PHOTON SOURCE	+		
079 AU 197	(G,2N)		8.0+	7 9.0+	8 SWD EXPT	NP/A	166	643	71 LINDGREN+ SIGMA CURVE & VALUE	+		
079 AU 197	(G,3N)		2.1+	7 2.5+	7 LRL EXPT	PR	127	1273	62 FULTZ+ MONOCHRO.PHOTON SOURCE	+		
079 AU 197	(G,3N)		8.0+	7 9.0+	8 SWD EXPT	NP/A	166	643	71 LINDGREN+ SIGMA CURVE & VALUE	+		
079 AU 197	(G,5N)		8.0+	7 9.0+	8 SWD EXPT	NP/A	166	643	71 LINDGREN+ SIGMA CURVE & VALUE	+		
079 AU 197	(G,7N)		1.5+	8 9.0+	8 SWD EXPT	NP/A	166	643	71 LINDGREN+ SIGMA CURVE & VALUE	+		
079 AU 197	(G,9N)		1.8+	8 9.0+	8 SWD EXPT	NP/A	166	643	71 LINDGREN+ SIGMA CURVE & VALUE	+		
079 AU 197	(E,A)		1.0+	8	SAS EXPT	PR/C	18	736	78 MURPHY+ ELECTRO ALPHA PRODUCTION	+		
079 AU 197	(E,ABSORPTION)	XX		3.4+	6 1.9+	7 UI EXPT	PR	115	633	59 HALL+ ENERGY LOSS	+	
079 AU 197	(E,ABSORPTION)	YD		NDG	GER EXPT	2P	247	51	71 TEGEDER+ PHOTOIONIZATION	+		
079 AU 197	(E,E)		2.6+	4 2.6+	5 GER EXPT	NP/A	75	161	66 VAN KLINKEN POLARIZATION	+		
079 AU 197	(E,ELASTIC)		1.5+	2 1.9+	3 GER EXPT	2P	173	392	63 REICHERT DIFF.SIGMA CURVE	+		
079 AU 197	(E,ELASTIC)		2. +	2 2.9+	5 GER THEO	NP/A	59	56	64 HOLZWARTH+ IR PRODUCTION	+		
079 AU 197	(E,ELASTIC)		9.0+	2	GER EXPT	2P	203	66	67 LOTH DIFF.YIELD CURVE	+		
079 AU 197	(E,ELASTIC)		1.0+	5 1.5+	5 GER EXPT	2P	253	421	72 AEHLIG+ DIFF.SIGMA VALUE	+		

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		MIN	MAX		REF	VOL	PAGE YEAR		
079 AU 197	(E,ELASTIC)	2.2+ 4	4.8+ 4	GER EXPT	NP/A	163	625 71	BOERSCH+ POLARIZATION	+
079 AU 197	(E,G)	5.0+ 5	1.0+ 6	NBS EXPT	PR	100	1560 55	MOTZ BREM-DIFF.SIGMA	+
079 AU 197	(E,G)	3.0+ 5		GER EXPT	ZP/A	281	205 77	AHLIG+ DIFF.SIGMA CURVE	+
079 AU 197	(E,G)	1.8+ 5	3.8+ 5	GER EXPT	ZP	197	8 66	AHLINGER BREMSST.SIGMA CURVE	+
079 AU 197	(E,G)	2.7+ 6	9.7+ 6	NBS EXPT	PR	102	1598 56	STARFELI+ DIFF.SIGMA CURVE	+
079 AU 197	(E,G)	1.0+ 6	2.1+ 7	B2L THEO	NIM	91	135 71	FERDINAND+ CAL.BREMSST.SPECT.CRV	+
079 AU 197	(E,G)	3.0+ 7	1.2+ 8	UK THEO	NIM	111	157 73	MATTHEWS+ BREMSST-SPECT-CURVE	+
079 AU 197	(E,INELASTIC)	5.0+ 5		NBS EXPT	PR	132	1120 63	MOTZ+ 100DEG-DIFF.SIGMA CURVE	+
079 AU 197	(E,INELASTIC)	8.0+ 9	2.5+ 9	STF EXPT	PRL	52	727 84	ARNOLD+	+
079 AU 197	(E,N)	1.5+ 8		EXPT	NP/A	325	63 79	PRINGLE+ 4PT.,ACTIVATION	+
079 AU 197	(E,N)	1.0+ 7	9.0+ 7	CCP EXPT	SNP	33	308 81	DZHLAVYAN+ ISOMERIC RATIO	+
079 AU 197	(E,N)	4.0+ 7		STF EXPT	NP	16	381 60	BARBER+ DIFF.SIGMA CURVE	+
079 AU 197	(E,SCATTERING)	1.5+ 7	9.0+ 7	MIT THEO	PR	98	1360 55	GLASSGOLD CAL.SIGMA CURVE	+
079 AU 197	(E,SCATTERING)	6.0+ 5	1.7+ 6	USA EXPT	PR	97	372 55	BAYARD+ DIF.SIGMA TBL	+
079 AU 197	(E,SCATTERING)	1.0+ 6		GER EXPT	NP	17	141 60	BELLICARD+ DIFF.SIGMA CURVE	+
079 AU 197	(E,SCATTERING)	NDG		USA THEO	ZP	174	257 63	FEBEL+ ANGL.DIFF-OF ENERGY LOSS	+
079 AU 197	(E,SCATTERING)	7.5+ 4	1.2+ 5	USA THEO	PR	137	8882 65	YENIE+ DIFF.SIGMA CURVE	+
079 AU 197	(E,SCATTERING)	4.5+ 4	2.5+ 5	CCP EXPT	NP	114	1541 59	SHERMAN+ ELECTRON POLARIZATION	+
079 AU 197	(E,SCATTERING)	6.0+ 8		STF EXPT	PR	111	647 58	MIKHAELYAN+ SCATT-ASYMMETRY	+
079 AU 197	(E,SCATTERING)	6.0+ 4	1.0+ 5	GER EXPT	ZP	174	91 63	MOZLEY+ MULTIPLE SCATT.	+
079 AU 197	(E,SCATTERING)	NDG		GER THEO	ZP	179	116 64	BIENLEIN+ BACKSCATTERING	+
079 AU 197	(E,SCATTERING)	4.9+ 5		HUN EXPT	ZP	271	207 74	THUEMEL BACKSCATT.SIGMA	+
079 AU 197	(E,X)	3.0+ 7	1.4+ 8	EDG EVAL	NP/A	244	205 75	NASR+ POSITRON IMPACT IONIZAT.SIGM	+
079 AU 197	(E,X)	2.5+ 4	1.0+ 5	ORL EXPT	PR	131	719 63	WOLYNEC+ X=EN-PHOTO./ELECTRODISINT	+
079 AU 197	(E,X)	1.0+ 1	1.0+ 3	SAC EXPT	NP/A	176	391 66	FLOWERS+ SIGMA CURV	+
079 AU 197	(N,G)	1.0+ 5	1.0+ 6	CAL EXPT	PR	116	937 59	ARAKAWA+ TRANSIT-RADIATION	+
079 AU 197	(N,G)	1.8+ 5		CAL EXPT	PR	113	256 59	JULIEN+ RESONANCE PARAMETER	+
079 AU 197	(N,G)	PILE		USA EXPT	NSE	7	184 60	MOSSIN-KOTIN+ CAL.SIGMA CURVE	+
079 AU 197	(N,G)	2.5- 2		BNL EXPT	NSE	8	453 60	BAME+ SIGMA VALUE	+
079 AU 197	(N,G)	3.0+ 4	1.5+ 6	ANL EXPT	PR	122	1280 61	DONAHUE+ SIGMA VALUE	+
079 AU 197	(N,G)	3.0+ 4	6.4+ 6	ORL EXPT	PR	123	948 61	GOULD+ ABSORPTION SIGMA	+
079 AU 197	(N,G)	3.0+ 4	4.0+ 6	LRL EXPT	PR	128	2717 62	COX ACTIVATION SIGMA	+
079 AU 197	(N,G)	1.0+ 1	5.0+ 4	HAR EXPT	NIM	24	445 63	WESTON+ CAPT.-SIGMA	+
079 AU 197	(N,G)	1.2+ 4	6.9+ 5	USA EXPT	NP/A	69	37 65	MISKEL+ SIGMA TBL	+
079 AU 197	(N,G)	2.4+ 4		IND EXPT	NP/A	66	267 65	MOXON+ MOXON-RAO DETECTOR-SIGMA CV	+
079 AU 197	(N,G)	8.0+ 3	1.2+ 5	SAF EXPT	NP/A	121	655 68	HARRIS+ SIGMA CURVE & TABLE	+
079 AU 197	(N,G)	2.5- 2	3.0+ 2	SAC EXPT	NP/A	130	353 69	CHAUBEY+ ACTIVATION SIGMA VALUE	+
079 AU 197	(N,G)	1.0+ 4	1.5+ 5	GER EXPT	NP/A	133	513 69	SPITZ+ SIGMA CURVE	+
079 AU 197	(N,G)	1.7+ 2	6.0+ 5	LRL EXPT	NSE	52	299 73	SAMOUR+ SIGMA RATIO	+
079 AU 197	(N,G)	2.0+ 4	3.5+ 6	ANL EXPT	NSE	57	300 75	KOMPE SIGMA CURVE	+
079 AU 197	(N,G)	1.0+ 4	5.0+ 4	ORL EXPT	NSE	59	79 76	POENITZ SIGMA TABLE	+
079 AU 197	(N,G)	1.0+ 4	9.0+ 4	KFK EXPT	NSE	66	363 78	GWIN+ SIGMA CURVE & TABLE	+
079 AU 197	(N,G)	5.0+ 5	3.0+ 6	FR EXPT	NSE	70	53 79	WISSHAK+ SIGMA RATIO	+
079 AU 197	(N,G)	6.0+ 5	1.4+ 6	EXPT	AE	48	87 80	JOLY+ SIGMA CURVE & TABLE	+
079 AU 197	(N,G)	1.0+ 6	7.7+ 6	SWD EXPT	NP/A	443	265 81	DAVLETSHIN+	+
079 AU 197	(N,G)	1.0+ 4	4.0+ 6	JPN THEO	NSE	96	210 87	MACKLIN SIGMA CURVE	+
079 AU 197	(N,G)	2.5+ 4	3.0+ 4	KFK EVAL	PR/C	37	595 88	ANDERSSON+ SIGMA	+
079 AU 197	(N,G)	1.0+ 5	3.0+ 6	RCN COMP	PR/C	41	1941 90	YAMAMURO+ CAL.SIGMA CURVE	+
079 AU 197	(N,G)							RATYNSKI+ AVERAGE SIGMA	+
079 AU 197	(N,G)							KOPECKY+ RADAT.-CAPT.-SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
079 AU 197	(N/G)	2.3+	4 9.7+	5 USA EXPT	NSE	109	215	91	SAKAMOTO+ SIGMA CURVE	+
079 AU 197	(N/G)	PILE		CCP EXPT	NP	4	91	57	ESTULIN+ N-CAPT.SOFT GAMMA	
079 AU 197	(N/G)	1. + 5		SWD EXPT	NP	22	513	61	BERGQVIST+ N-CAPT.GAMMA SPECTR.	
079 AU 197	(N/G)	1. + 6 4. +	6 SWD EXPT	NP/A	67	321	65	65	LUNDBERG+ GAMMA SPECTRUM	
079 AU 197	(N/G)	5. + 5 3.0+ 6	EXPT	PR/C	20	2072	79	79	JOLY+ GAM.STRENGTH FUNC.	
079 AU 197	(N/G)	NOG		NED THEO	PR/C	41	1941	90	KOPECKY+ GAMMA STRENGTH FUNCTION	
079 AU 197	(N/G)	1.5+ 4 3.0+ 5	SWD EXPT	NP	39	353	62	62	BERGQVIST+ N-CAPT.GAMMA	
079 AU 197	(N/G)	2.5- 2	CAN EXPT	NP/A	84	113	66	66	JOHNSON+ GAMMA INTENSITY	
079 AU 197	(N/G)	2.5- 2 4.9+ 0	YAL EXPT	NP/A	92	696	67	67	WETZEL+ N-CAPT.GAMMA	
079 AU 197	(N/G)	4.9+ 0	BNL EXPT	PR	173	1170	68	68	WASSON+ PARTIAL GAMMA INTENSITY	
079 AU 197	(N/G)	PILE		EXPT	NP	245	198	71	ELKADY+ TRANSIT GAMMA	
079 AU 197	(N/G)	0	6.0+ 2	SAC EXPT	NP/A	223	509	74	JAIN+ RES. PARAM.	
079 AU 197	(N/G)	2.6+ 6	CRL EXPT	CJP	52	989	74	74	EARLE+ DIPOL.RES.PARAMETER	
079 AU 197	(N/G)	2.5- 2	GER EXPT	NP/A	272	175	75	75	MIRZA+ GAMMA INTENSITY	
079 AU 197	(N/G)	2. + 3 2.4+ 4	BNL EXPT	PR/C	24	1419	81	81	STELTS+ LEVEL DENSITY	
079 AU 197	(P/G)	1.5+ 6 1.1+ 7	SWD EXPT	NP	266	245	74	74	AKSELSOON+ L X-RAY YIELD	+
079 AU 197	(D/G)	5. + 6 1.6+ 7	EXPT	NP/A	291	377	79	79	KANTUS+	
079 AU 198	(N/G)	2.5- 2	CAN EXPT	CJP	33	457	55	55	BELL+ SIGMA VALUE	+
080 HG 000	(G/E)	1.2+ 6	IND EXPT	NP/A	75	539	66	66	GHOSE SIGMA VALUE & PLOT	+
080 HG 000	(G/ELASTIC)	1.1+ 7 1.3+ 7	IND EXPT	NP/A	149	49	70	70	BASAVARAJU+ DIFF.SIGMA VALUE	+
080 HG 000	(G/ELASTIC)	7.3+ 6 7.9+ 6	USA EXPT	PR	132	1724	63	63	YOUNG+ NEUT-CAPT.GAMMA SOURCE	
080 HG 000	(G/ELASTIC)	4.5+ 6 7.5+ 6	EXPT	PR/C	19	342	79	79	LASZEWSKI+ AV.SIGMA	
080 HG 000	(G/INELASTIC)	4.9+ 6	USA EXPT	NP/A	201	570	73	73	MECCA+ GAMMA WIDTH	
080 HG 000	(G/SCATTERING)	1.4+ 5	IND EXPT	NIM	131	163	75	75	ROY+ COHERENT SCATT.SIGMA CURVE	+
080 HG 000	(E/ELASTIC)	2. + 2 2.9+ 5	GER THEO	NP/A	59	56	64	64	HOLZWARTH+ IR PRODUCTION	
080 HG 000	(E/ELASTIC)	4.6+ 4 2.0+ 5	GER THEO	NP/A	212	61	68	68	BUCHRING CAL.SIGMA TABLE	+
080 HG 000	(E/INELASTIC)	NOG	EXPT	NP/A	229	299	69	69	WEISS SPIN POLARIZATION	
080 HG 000	(N/G)	2.5+ 1 1.8+ 2	GER EXPT	NP	241	355	71	71	EITEL+ ELECTRON SPIN POLARIZATION	
080 HG 000	(N/G)	1.0+ 1 3.0+ 4	ANL EXPT	NP	21	66	60	60	CARPENTER+ RESONANT CAPT.GAMMA	
080 HG 000	(N/G)	1.5+ 4 3.0+ 5	SWD EXPT	NP	39	353	62	62	BERGQVIST+ N-CAPT.GAMMA	
080 HG 000	(N/G)	2.5- 2	GER EXPT	NP	185	478	65	65	MAIER+ GAMMA TRANSITION	
080 HG 000	(N/G)	3.0+ 2	SAC EXPT	NP/A	135	241	69	69	ALVES+ GAMMA INTENSITY	
080 HG 000	(N/G)	7. + 5 2.6+ 6	CRL EXPT	CJP	52	989	74	74	EARLE+ DIPOL.RES.PARAMETER	
080 HG 196	(N/G)	2.5- 2	BNL EXPT	PR	128	761	62	62	SEHGAL ISOMERIC SIGMA VALUE	+
080 HG 196	(N/G)	2.5- 2	ANL EXPT	PR	120	1313	60	60	VANDENBOSCH+ ISOMERIC SIGMA RATIO	
080 HG 198	(N/G)	5. + 3 1.0+ 5	KFK EXPT	PR/C	32	738	85	85	BEER+ MAXWELL.AVERAGE CAPT.SIGMA	+

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		MIN	MAX		REF	VOL	PAGE	YEAR		
080 HG 198	(N,G)	2.5-	2	1.8+ 2	RPI EXPT	PR	155	1301	67 RAE+	RESONANCE PARAM.
080 HG 198	(N,G)			2.1+ 2	CRC EXPT	NP/A 243	413	75	LONE+	RESONANCE PARAM.
080 HG 199	(G, INELASTIC)			3. + 7	USA EXPT	NP/A 98	529	67	BOOTH+ ISOMER EXCITAT.SIGMA CURVE	+
080 HG 199	(G, INELASTIC)	1.0+ 6	1.7+ 6	FR EXPT	NP/A 137	520	69		BOIVIN+ ACTIVATION SIGMA	+
080 HG 199	(E, INELASTIC)			3. + 7	USA EXPT	NP/A 98	529	67	BOOTH+ ISOMER EXCITAT.SIGMA CURVE	+
080 HG 199	(N,G)	5. + 3	1.0+ 5	KFK EXPT	PR/C 32	738	85		BEER+ MAXWELL.AVERAGE CAPT.SIGMA	+
080 HG 199	(N,G)			CCP EXPT	NP	4	91	57	ESTULIN+ N-CAPT.SOFT GAMMA	
080 HG 199	(N,G)	3.4+ 1	3.2+ 2	HAR EXPT	NP	13	525	59	BIRD+ RES.CAPT.GAMMA	
080 HG 199	(N,G)	2.5- 2		CRC EXPT	NP/A 50	209	64		BARTHOLOMEW+ LEVEL SPIN	
080 HG 199	(N,G)	2.5- 2		KFK EXPT	NP/A 147	150	70		EICHLER+ CIRCULAR POLARIZATION	
080 HG 199	(N,G)	2.5- 2	1.8+ 8	BNL EXPT	PR/C 9	366	74		BREITIG+ HG-200 LEVEL	
080 HG 199	(N,G)			2.1+ 2	CRC EXPT	NP/A 243	413	75	LONE+ RESONANCE PARAM.	
080 HG 199	(N,G)	2.5- 2		GER EXPT	ZP/A 280	239	77		SEYFARTH+ KX-RAY INTENSITY	
080 HG 200	(E, INELASTIC)	2.0+ 8		SWT THEO	NP/A 61	417	65		SCHUCAN CAL.DIFF.SIGMA CURVE	+
080 HG 200	(N,G)	5. + 3	1.0+ 5	KFK EXPT	PR/C 32	738	85		BEER+ MAXWELL.AVERAGE CAPT.SIGMA	+
080 HG 200	(N,G)	3.4+ 1		BNL EXPT	PR	107	1333	57	LONDON+ RESONANT-CAPT.GAMMA	
080 HG 200	(N,G)	2.5- 2	1.7+ 2	ANL EXPT	PR	133	8583	64	SEGEL+ NEUT.-CAPT.GAMMA	
080 HG 201	(N,G)	5. + 3	1.0+ 5	KFK EXPT	PR/C 32	738	85		BEER+ MAXWELL.AVERAGE CAPT.SIGMA	+
080 HG 201	(N,G)	2.5- 2	2.1+ 2	BNL EXPT	PR/C 11	546	75		BREITIG+ HG-202 LEVEL SCHEM	
080 HG 201	(N,G)			2.1+ 2	CRC EXPT	NP/A 243	413	75	LONE+ RESONANCE PARAM.	
080 HG 202	(G,G)	4.9+ 6		ISL EXPT	NP/A 218	95	74		TENENBAUM+ SCATT.SIGMA TBL	+
080 HG 202	(N,G)	5. + 3	1.0+ 5	KFK EXPT	PR/C 32	738	85		BEER+ MAXWELL.AVERAGE CAPT.SIGMA	+
080 HG 204	(N,G)	5. + 3	1.0+ 5	KFK EXPT	PR/C 32	738	85		BEER+ MAXWELL.AVERAGE CAPT.SIGMA	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
081 TL 000	(G,ELASTIC)	4.5+	6 7.5+	6	EXPT	PR/C 19	342 79	LASZEWSKI+ AV.SIGMA	
081 TL 000	(G,N)	6.7+	6 9.4+	6	EXPT	2P/A 289	325 79	BARKMAN+ Q-VALUE OF PHOTONEUT.	+
081 TL 000	(G,XN)	1.1+	8	OXF EXPT	NP/A 65		130 65	MOFFATT+ TL-200,201,202 PRODUCT.	+
081 TL 000	(N,G)	1.0+	4 2.0+	5	KFK EXPT	NP/A 141	602 70	KOMPE+ SIGMA CURVE & TABLE	
081 TL 000	(N,G)	7. +	5 2.6+	6	CRL EXPT	CJP 52	989 74	EARLE+ DIPOL.RES.PARAMETER	
081 TL 203	(G,G)	2.8+	5	USA EXPT	NP/A 101		193 67	PALATHINGAL+ LEVEL WIDTH	
081 TL 203	(G,G)	2.8+	5	USA EXPT	PR 126		1168 62	DEUTCH RES.FLUORESC.	
081 TL 203	(G,G)	1.4+	6 6.4+	6	ISL EXPT	PR/C 2	249 70	MOREH+ TL-203 LEVELS	
081 TL 203	(N,G)	2.5-	2	CAN EXPT	PR 140	B1562	65	PRESTWICH+ GAMMA INTENSITY	
081 TL 203	(N,G)	PILE		CAN EXPT	CJP 52		1215 74	COLEBRANDER+ GAMMA INTENSITY	
081 TL 203	(N,G)	1.5+	1 1.0+	5	COL EXPT	PR/C 12	102 75	LIOUT+ RES. PARAM.	
081 TL 205	(G,G)	4.4+	6 7.6+	6	ISL EXPT	PR 182	1236 69	MOREH+ TL-205 LEVEL	
081 TL 205	(G,INELASTIC)	7.6+	6	ITY EXPT	NP/A 141		561 70	CESAREO+ RESONANT FLUORESC.	
081 TL 205	(G,INELASTIC)	7.6+	6	CCP EXPT	NP/A 513		53 90	BEDA+ RES.SCATT. BY POLARIZ.GAMMA	
081 TL 205	(E,E)	NDG		AUI EXPT	PRL 58		2296 87	PAPANICOLAS+	
081 TL 205	(N,G)	1.5+	1 1.0+	5	COL EXPT	PR/C 12	102 75	LIOUT+ RES. PARAM.	
082 PB 000	(G,ABSORPTION)	6.4+	6	ISL EXPT	NP/A 252		423 75	MOREH+ ATTENUAT. COEFF.	+
082 PB 000	(G,ABSORPTION)	3.2+	4 1.5+	5	IND EXPT	CJP 59	22 81	PUTTASWAMY+ TOT.ATTENUAT.SIGMA	+
082 PB 000	(G,ABSORPTION)	5.0+	3 1.5+	5	IND EXPT	CJP 59	853 81	PUTTASWAMY+ K-SHELL PHOTOELECTRIC	+
082 PB 000	(G,ABSORPTION)	1.5+	8 4.4+	8	SAC EXPT	PL/B 127	331 83	CHOLLET+ TOT ABS SIGMA CURV	
082 PB 000	(G,ABSORPTION)	1.5+	8 4.4+	8	SAC EXPT	NP/A 431	573 84	CARLOS+ SIGMA TBL	+
082 PB 000	(G,ABSORPTION)	NDG		IND EXPT	CJP 67		139 89	LINGAM+ TOT.PHOTOELECTRIC SIGMA	+
082 PB 000	(G,ABSORPTION)	NDG		IND EXPT	CJP 67		139 89	CHANDRA+ K-SHELL PHOTOELECT.SIGMA	+
082 PB 000	(G,ABSORPTION)	6.6+	5 1.3+	6	IND EXPT	PR/C 44	354 91	MARTINS+ SIGMA TABLE	+
082 PB 000	(G,E)	3.2+	5	IND EXPT	NP/A 75		539 66	GHOSE SIGMA VALUE & CURVE	+
082 PB 000	(G,E)	8.5+	5 1.8+	6	CAN EXPT	CJP 55	1592 77	RANGANATHALAH+ K-SHELL PHOTOSIGMA	+
082 PB 000	(G,ELASTIC)	1.2+	6 1.3+	6	CAN EXPT	CJP 53	1721 75	LOGAN+ PHOTOELECT.EFFECT	+
082 PB 000	(G,ELASTIC)	1.1+	7 1.3+	7	IND EXPT	NP/A 149	49 70	BASAVARAJU+ DIFF.SIGMA VALUE	+
082 PB 000	(G,ELASTIC)	1.3+	6	USA EXPT	PR/C 3		1287 71	HARGIE+ DIFF.SIGMA CURVE	+
082 PB 000	(G,ELASTIC)	3.4+	5 1.4+	6	EXTH	JP/G 6	1147 80	CHITWATTANAGORN+ 9ANGLE	+
082 PB 000	(G,ELASTIC)	1.2+	6 1.3+	6	CAN EXPT	CJP 40	622 62	STANDING+ CO-60 G-SOURCE,SIGMA TBL	+
082 PB 000	(G,ELASTIC)	6.4+	6	USA EXPT	PR 132		1724 63	YOUNG+ NEUT-CAPT.GAMMA SOURCE	
082 PB 000	(G,ELASTIC)	2.5+	6 3.5+	6	EXPT	PL/B 92	71 80	MUECKENHEIM+ RADIOACT. SOURCE	
082 PB 000	(G,ELASTIC)	4.2+	6 9.3+	6	EXPT	PR/C 28	1519 83	KAHANE+ DIF.SIGMA TBL	+
082 PB 000	(G,F)	1.0+	8 2.6+	8	CCP EXPT	SNP 5	26 67	RANYUK+ SIGMA TABLE	+
082 PB 000	(G,F)	3.0+	8 9.0+	8	SWD EXPT	NP/A 167	97 71	METHASIRI+ SIGMA PLOT & TABLE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV) MIN MAX	LAB TYPE	DOCUMENTATION			COMMENTS	DATA
				REF	VOL	PAGE YEAR		
082 PB 000	(G,F)	1. + 9 7.4+ 9	SND EXPT	NP/A 197	44	72	ANDERSSON+ SIGMA PLOT	+
082 PB 000	(G,F)	69 +7	ITY EXPT	PR/C 44	354	91	MARTINS+ SIGMA TABLE	+
082 PB 000	(G,F)	1.0+ 9 7.4+ 9	SND EXPT	NP/A 197	81	72	KROON+ MASS-YIELD RATIO	+
082 PB 000	(G,G)	3.4+ 5 1.4+ 6	AML EXPT	NIM A255	75	87	CHIATTANAGORN+	+
082 PB 000	(G,G)	3.4+ 5 1.4+ 6	AUL EXPT	NIM A255	68	87	TAYLOR+	+
082 PB 000	(G,G)	3.4+ 5 1.4+ 6	MAL EXPT	NIM A255	59	87	BRADLEY+	+
082 PB 000	(G,G)	3.4+ 5 1.4+ 6	EXPT	NIM A255	78	87	DOW+	+
082 PB 000	(G,G)	2.8+ 5 1.3+ 6	IND EXPT	NP/A 57	547	64	NATH+ DIFF.SIGMA PLOT	+
082 PB 000	(G,G)	2.8+ 5 6.6+ 5	IND EXPT	NP/A 73	368	65	ANAND+ DIFF.SIGMA TABLE	+
082 PB 000	(G,G)	1.1+ 6	IND EXPT	NP/A 62	296	65	NARASIMHA+ DIFF.SIGMA TABLE	+
082 PB 000	(G,G)	1.2+ 7 1.7+ 7	SAC EXPT	NP/A 75	396	66	BOTTOM+ DIFF.SIGMA TABLE	+
082 PB 000	(G,G)	6.6+ 5	BLG EXPT	NP/A 101	417	67	QUIVY DIFF.SIGMA CURVE	+
082 PB 000	(G,G)	1.3+ 6	USA EXPT	PR/C 1	714	70	HARDIE+ DIFF.SIGMA TBL	+
082 PB 000	(G,G)	8.9+ 5 1.1+ 6	GER EXPT	NP/A 206	531	73	SCUMACHER+ DIFF.SIGMA TABLE	+
082 PB 000	(G,G)	1.1+ 7	ANL EXPT	PR/C 9	1153	74	JACKSON+ PHOTON SCAT.	+
082 PB 000	(G,G)	6.8+ 6 1.1+ 7	ISL EXPT	PR/C 18	1217	78	KAHANE+ RAYLEIGH & DELBRUCK AMP.	+
082 PB 000	(G,G)	4.7+ 5	IDF EXPT	PR/C 24	1765	81	BARROS+ RAYLEIGH DIFF.SCAT.SIGMA	+
082 PB 000	(G,G)	3.0+ 7 1.0+ 8	GER EXPT	NP/A 536	87	92	BAUMANN+ DELBRUCK SCATT.SIGMA TBL	+
082 PB 000	(G,G)	2.8+ 5 6.6+ 5	EXPT	NP/A 80	93	66	ANAND+ SIGMA CURVE	+
082 PB 000	(G,G)	6.6+ 5	BLG EXPT	NP/A 76	362	66	QUIVY COMPTON SIGMA CURVE	+
082 PB 000	(G,G)	2.8+ 6	GOE EXPT	PR/C 13	2318	76	SCHUMACHER+ SIGMA	+
082 PB 000	(G,G)	1. + 6 4. + 6	GOE EXPT	PR/C 33	1606	86	KASTEN+ DELBRUCK&RAYLEIGH SCATT.	+
082 PB 000	(G,G)	2.8+ 5 1.3+ 6	IND EXPT	NP/A 64	502	65	SINGH+ LINEAR POLARIZATION	+
082 PB 000	(G,G)	1.2+ 9	EXPT	PR/C 133	1200	64	SADOFF+ MESON PHOTOPRODUCTION	+
082 PB 000	(G,N)	1.5+ 7 2.0+ 7	EXPT	PR/C 36	1286	87	BERMAN+	+
082 PB 000	(G,N)	2.0+ 7 4.0+ 7	EXPT	JP	65	677	STORM+	+
082 PB 000	(G,N)	2.0+ 7 3.0+ 7	EXPT	PR/C 35	479	87	MURAKAMI+	+
082 PB 000	(G,N)	2.2+ 7	SAS EXPT	CJP 39	1158	61	BAKER+ ANGL.DIFF.SIGMA	+
082 PB 000	(G,N)	7. + 6	USA EXPT	PR 108	77	57	TOMS+ SIGMA CURVE	+
082 PB 000	(G,N)	2.7+ 7	SAC EXPT	NP 32	236	62	MILLER+ INTEGRAT.SIGMA VALUE	+
082 PB 000	(G,N)	2.0+ 8	CAN EXPT	AE 48	115	80	ANTIPENKO+ LINAC. ACTIVITY	+
082 PB 000	(G,N)	7.0+ 7	CAN EXPT	CJP 33	785	55	DIXON ENERGY & ANGL.DISTRIBUTION	+
082 PB 000	(G,N)	2.2+ 7 2.8+ 7	CAN EXPT	CJP 48	950	70	MCNEILL+ N SPECTRUM	+
082 PB 000	(G,N)	7.0+ 8 1.2+ 9	CCP EXPT	SNP 13	265	71	ANTUF'EV+ DEUTERON SPECT.	+
082 PB 000	(G,N)	3.1+ 7	CCP EXPT	SNP 21	129	75	EVSEEV+ NEUTRON SPECT.MEASURED	+
082 PB 000	(G,N)	6.7+ 6	EXPT	ZP/A 289	325	79	BARKMAN+ Q-VALUE OF PHOTONEUT.	+
082 PB 000	(G,N)	1.2+ 9	CCP EXPT	UFZ 29	655	83	ANTINENKO+	+
082 PB 000	(G,N EMISSION)	3.0+ 7 9.0+ 7	EXPT	NP/A 390	240	82	LEPRETRE+	+
082 PB 000	(G,N EMISSION)	2.5+ 7 1.4+ 8	EXPT	NP/A 390	221	82	LEPRETRE+	+
082 PB 000	(G,P)	2.3+ 7 3.4+ 7	CCP EXPT	NP 37	495	62	SHEVCHENKO+ ANGL.& ENERG.DIST.	+
082 PB 000	(G,P)	7.0+ 8 1.2+ 9	CCP EXPT	SNP 13	265	71	ANTUF'EV+ DEUTERON SPECT.	+
082 PB 000	(G,P)	1.7+ 8 2.2+ 8	CCP EXPT	SNP 51	999	90	AVAKYAN+ POLARIZATION	+
082 PB 000	(G,PION +)	2.2+ 8 4.5+ 8	GER EXPT	NP/A 526	479	91	ARENDTS+ DOUBL.DIFF.SIGMA CURVE	+
082 PB 000	(G,PION +)	2.2+ 8 4.5+ 8	LRL EXPT	PR 108	1040	57	IMHOFF+ POSITV.PION PRODUCT.	+
082 PB 000	(G,PION -)	2.2+ 8 4.5+ 8	GER EXPT	NP/A 526	479	91	ARENDTS+ DOUBL.DIFF.SIGMA CURVE	+
082 PB 000	(G,PION -)	1.0+ 9	COR EXPT	PR 123	1423	61	MCLELLAND CHARGED MESON PRODUCT.	+
082 PB 000	(G,PION)	5.0+ 8	CCP EXPT	SNP 14	20	72	GRISHAEV+ SIGMA TBL	+
082 PB 000	(G,PION)	1.7+ 8	USA EXPT	PR 127	1772	62	SCHRAACK+ MESON PRODUCTION	+
082 PB 000	(G,SCATTERING)	1.7+ 7	GER EXPT	ZP 170	47	62	STIERLIN+ DIFF.SIGMA	+
082 PB 000	(G,SCATTERING)	1.4+ 5	IND EXPT	NIM 131	163	75	ROY+ COHERENT SCATT.SIGMA CURVE	+
082 PB 000	(G,SCATTERING)	6.0+ 4	GER EXPT	ZP/A 283	15	77	SCHUMACHER+ RAYLEIGH SCATT. TBL	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
082 PB 000	(G,SCATTERING) CS	5. + 5	3.0+ 6	MIT EXPT	PR	100	192 55	BURKHARDT 90DEG.SIGMA CURVE	+
082 PB 000	(G,SCATTERING) DD		1.1+ 7	EXTH	NIM	166	91 79	MOREH N-CAPT GAMMA SOURCE	+
082 PB 000	(G,SCATTERING) ED	6.6+ 5		GER EXPT	ZP	242	444 71	SCHUMACHER COMPTON SCATT.SPECT.CRV	+
082 PB 000	(G,SCATTERING) YD	NDG		ITY EXPT	NP/A	65	344 65	GIANNINI+ RESONANT.SCATT.,LEVEL W	+
082 PB 000	(G,TOTAL)) CS	3.0+ 4	1.8+ 7	IND EVAL	NSE	51	337 73	RAMANA+ SIGMA CURVE	+
082 PB 000	(G,TOTAL)) CS	2. + 4	2. + 6	IND THEO	NSE	96	330 87	SUBBAIAH+ TOT.PHOTO SIGMA CURVE	+
082 PB 000	(G,X))	2.7+ 5	6.2+ 5	AUM EXPT	PR/A	36	941 87	SASI+	+
082 PB 000	(G,X)) AD	6.6+ 5		CAN EXPT	CJP	42	957 64	CLIFFORD CONCRETE,DIFF.DOSE ALBBED	+
082 PB 000	(G,X)) CS	2.8+ 6		CAN EXPT	CJP	34	1126 56	STANDIL SIGMA VALUE	+
082 PB 000	(G,X)) CS	2.5+ 9		CAL EXPT	PR	107	604 57	BRABANT+ ELECTRON PAIR-PRODUCT.	+
082 PB 000	(G,X)) CS	1.3+ 6		CAN EXPT	NP	29	452 62	BLEEKER+ K SHELL PHOTO SIGMA	+
082 PB 000	(G,X)) YD	1.5+ 8	4.5+ 8	LRL EXPT	NIM	109	29 73	SOBER+ SHOWER YIELD	+
082 PB 000	(G,XN)) CS		1.1+ 8	SAC EXPT	PL/B	79	43 78	LEPRETRET+ TOTAL PHOTOABSORP.SIGMA	+
082 PB 000	(G,XN)) CS	2.5+ 7	1.4+ 8	SAC EXPT	NP/A	367	237 81	LEPRETRET+ SIGMA CURV.&INTEG.SIGMA	+
082 PB 000	(E,ABSORPTION) CS	2.4+ 5	1.4+ 6	GER EXPT	NP/A	58	241 64	HANSEN+ SIGMA FOR K IONIZATION	+
082 PB 000	(E,ABSORPTION) CS	2.5+ 6	5.0+ 7	GER THEO	ZP	255	459 72	BORIE+ CAL.PAIR PRODUCT.SIGMA	+
082 PB 000	(E,ABSORPTION) XX	5.3+ 7	9.3+ 7	USA EXPT	ZP	271	69 74	BUSKIRK+ MOST PROBABLE ENERGY LOSS	+
082 PB 000	(E,ELASTIC)) AD	1.5+ 5	7.5+ 5	GER THEO	NP/A	223	423 74	SMEND+ DIFF.SIGMA TBL	+
082 PB 000	(E,G)) ED	2.5+ 9		JPN EXPT	NSE	96	66 87	HIRAYAMA+ BREMSSTR.SPECTRUM	+
082 PB 000	(E,N)) DD	1.5+ 8	2.7+ 8	GER EXPT	ZP	262	393 73	EYSS+ DOUBL.DIFF.SIGMA CURVE	+
082 PB 000	(E,N)) YD	1.0+ 7	3.6+ 7	STF EXPT	PR	116	1551 59	BARBER+ NEUTRON YIELD	+
082 PB 000	(E,SCATTERING) AD	4.0+ 7	6.0+ 7	NED EXPT	NP/A	131	574 69	VAN NIFTRIK DIFF.SIGMA TABLE	+
082 PB 000	(E,SCATTERING) YD	5.2+ 5	2.0+ 6	GER EXPT	ZP	209	260 68	AIGINGER+ PLURAL SCATT.	+
082 PB 000	(E,X)) CS	4.9+ 5		HUN EXPT	ZP	271	207 74	NASR+ POSITRON IMPACT IONIZAT.SIGM	+
082 PB 000	(E,X)) YD	3.0+ 8	1. +12	COR EXPT	PR	136	8447 64	THOM SHOWER PRODUCT.	+
082 PB 000	(E,X)) YD	5.0+ 8	1.0+ 9	USA EXPT	PR	136	8237 64	BECKLIN+ CASCADE SHOWER PRODUCT	+
082 PB 000	(E,X)) YD	1.0+ 8	1.0+ 9	GER THEO	ZP	186	319 65	NAGEL ELECTRON-PHOTON CASCADE	+
082 PB 000	(E,X)) YD	2.0+ 2	4.4+ 2	GER EXPT	ZP	206	247 67	BEUERMANN+ SHOWER GENERATED	+
082 PB 000	(E,X)) YD	3.0+ 9		QRL EXPT	PR	188	1752 69	FULMER+ RELATIV.YIELD	+
082 PB 000	(N,G)) CS	1.5+ 4	6.0+ 4	AUL EXPT	NP/A	121	329 68	BROOMHALL+ DIRECT CAPT.SIGMA	+
082 PB 000	(N,G)) CS	1.4+ 7		YUG EXPT	NP/A	213	525 73	POTOKAR+ INTEGRAT.SIGMA VALUE	+
082 PB 000	(N,G)) YD	1.5+ 4	3.0+ 5	SWD EXPT	NP	39	353 62	BERGQVIST+ N-CAPT.GAMMA	+
082 PB 000	(P,G)) CS	1.5+ 6	1.1+ 7	SWD EXPT	ZP	266	245 74	AKSELSSON+ L X-RAY YIELD	+
082 PB 204	(N,G)) CS	2. + 3		USA EXPT	PR/C	4	2249 71	GREENWOOD+ 1.8 +- 0.5 BARN	+
082 PB 204	(N,G)) ED	2.5- 2		LRL EXPT	NP/A	94	351 67	JURNEY+ GAMMA-RAY SPECTRUM	+
082 PB 204	(N,G)) YD	2.5+ 3	2.0+ 5	ORL EXPT	PR/C	8	1504 73	ALLEN+ RES. PARAM.	+
082 PB 206	(G,ABSORPTION) CS	7.6+ 6	1.2+ 7	CCP EXPT	SNP	42	662 85	BELYAEV+ RES.&INTEGRAT. SIGMA	+
082 PB 206	(G,ELASTIC)) AD	4.3+ 6	4.8+ 6	EXPT	NP/A	346	418 80	SOHUMACHER+ N-CAPT GAM SOURCE	+
082 PB 206	(G,ELASTIC)) AD		1.0+ 7	EXPT	PR/C	22	1420 80	CHAPURAN+ RES. PHOTON SCAT.	+
082 PB 206	(G,ELASTIC)) AD	9.5+ 6	1.2+ 7	EXPT	PR/C	25	780 82	STARR+	+
082 PB 206	(G,ELASTIC)) AD	1.2+ 7	3.0+ 7	AUI EXPT	PR/C	34	480 86	NATHAN+ 90,135DEG.DIFF. SIGMA	+
082 PB 206	(G,ELASTIC)) CS	4.5+ 6	7.5+ 6	EXPT	PR/C	19	342 79	LASZEWSKI+ AV.SIGMA	+
082 PB 206	(G,G)) YD	6.6+ 6	9.7+ 6	AUI EXPT	PR/C	15	1977 77	COOPE+ LEVEL PARAM.	+
082 PB 206	(G,N)) AD	NDG		LRL EXPT	PR/C	3	672 71	BAGLAN+ DIFF.SIGMA CURVE	+
082 PB 206	(G,N)) AD	8.5+ 6	1.1+ 7	EXPT	PL/B	88	239 79	BIRENBAUM+ N-CAPT GAMMA	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
082 PB 206	(G,N)	7. + 6	2.6+	7 LRL EXPT	PR	136	B126	64	HARVEY+ SIGMA CURVE	+
082 PB 206	(G,N)	7.7+ 6	1.1+	7 USA EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
082 PB 206	(G,N)		4.0+	4 LRL EXPT	PR	178	1827	69	BOWMAN+ RES.PARAM.	
082 PB 206	(G,N)	8.5+ 6	9.0+	6 MCM EXPT	PR/C	13	1864	76	MCREE+ ABSOLUTE PHOTONEUT. SIGMA	+
082 PB 206	(G,XN)	7. + 6	2.6+	7 LRL EXPT	PR	136	B126	64	HARVEY+ SIGMA CURVE	+
082 PB 206	(G,2N)	1.3+ 7	2.6+	7 LRL EXPT	PR	136	B126	64	HARVEY+ SIGMA CURVE	+
082 PB 206	(E,F)	3.0+ 7	4.4+	7 TOR EXPT	PR/C	16	239	77	KERNOHAN+ YIELD CURVES	
082 PB 206	(E,INELASTIC)	2.8+ 7	7.3+	7 YAL EVAL	PR	165	1337	68	ZIEGLER+ SIGMA RATIO CURVE	
082 PB 206	(N,G)	1.3+ 4	6.0+	4 ORL EXPT	PR	136	B695	64	MACKLIN+ SIGMA VALUE	+
082 PB 206	(N,G)	1.5+ 6	8.5+	6 SWD EXPT	NP/A	153	553	70	BERGQVIST+ PARTIAL SIGMA	+
082 PB 206	(N,G)	5. + 5	1.1+	7 EXPT	NP/A	339	205	80	LINDHOLM+ TOF-LARGE NAI, CAPT CS	
082 PB 206	(N,G)		1.0+	5 ORL EXPT	PR	154	1136	67	BIGGERSTAFF+ GAMMA TRANSITION	
082 PB 206	(N,G)	2.5+ 3	2.0+	5 ORL EXPT	PR/C	8	1504	73	ALLEN+ RES. PARAM.	
082 PB 207	(G,A)	2.3+ 7		CCP EXPT	SNP	53	9	91	ANTONOV+ INTEGRAT. SIGMA VALUE	+
082 PB 207	(G,ABSORPTION)	7.6+ 6	1.2+	7 CCP EXPT	SNP	42	662	85	BELVAEV+ RES.&INTEGRAT. SIGMA	+
082 PB 207	(G,ELASTIC)	4.5+ 6	7.5+	6 EXPT	PR/C	19	342	79	LASZEWSKI+ AV.SIGMA	
082 PB 207	(G,G)	1.1+ 7	2.0+	7 ITY EXPT	PR	112	1994	58	FARINELLI+ PB-207M PHOTOEXCIT.	
082 PB 207	(G,G)	6.6+ 6	9.7+	6 AUI EXPT	PR/C	15	1977	77	COOPE+ LEVEL PARAM.	
082 PB 207	(G,G)	2.0+ 4	1.1+	6 LRL EXPT	PR/C	3	2475	71	BAGLAN+ 135 DEG. DIFF. SIGMA CURVE	+
082 PB 207	(G,N)	NDG		LRL EXPT	PR/C	3	672	71	BAGLAN+ DIFF. SIGMA CURVE	+
082 PB 207	(G,N)	7. + 6	2.6+	7 LRL EXPT	PR	136	B126	64	HARVEY+ SIGMA CURVE	+
082 PB 207	(G,N)		4.0+	4 LRL EXPT	PR	178	1827	69	BOWMAN+ RES.PARAM.	
082 PB 207	(G,N)	8.1+ 6	9.0+	6 MCM EXPT	PR/C	13	1864	76	MCREE+ ABSOLUTE PHOTONEUT. SIGMA	+
082 PB 207	(G,N)	7.4+ 6	8.3+	6 ANL EXPT	PR/C	9	709	74	MEDSKER+ RESONANCE PARAM.	
082 PB 207	(G,N)	NDG		NEG EXPT	NIM	155	429	78	MOREH+ PHOTONEUTRON SOURCE	
082 PB 207	(G,N)	7.0+ 6	1.1+	7 ISL THEO	NP/A	369	483	81	BIRENBAUM+ RELATIVE INTENSITY	
082 PB 207	(G,X)	5.5+ 7	8.5+	7 MRY THEO	PR/C	16	1812	77	WU+ PRE-EQUILIBRIUM ANALYSES	+
082 PB 207	(G,XN)	7. + 6	2.6+	7 LRL EXPT	PR	136	B126	64	HARVEY+ SIGMA CURVE	+
082 PB 207	(G,2N)	1.3+ 7	2.6+	7 LRL EXPT	PR	136	B126	64	HARVEY+ SIGMA CURVE	+
082 PB 207	(E,E)	NDG		AUI EXPT	PRL	58	2296	87	PAPANICOLAS+	
082 PB 207	(E,EP)	1.9+ 7	2.1+	7 TOH EXPT	PR/C	3	1999	71	SHODA+ DIFF. SIGMA CURVE	+
082 PB 207	(E,F)	3.0+ 7	4.4+	7 TOR EXPT	PR/C	16	239	77	KERNOHAN+ YIELD CURVES	
082 PB 207	(E,INELASTIC)	2.8+ 7	7.3+	7 YAL EVAL	PR	165	1337	68	ZIEGLER+ SIGMA RATIO CURVE	
082 PB 207	(N,G)	1.3+ 4	6.0+	4 ORL EXPT	PR	136	B695	64	MACKLIN+ SIGMA VALUE	+
082 PB 207	(N,G)	1.5+ 4	6.0+	4 AUL EXPT	NP/A	121	329	68	BROOMHALL+ DIRECT CAPT. SIGMA	+
082 PB 207	(N,G)	2.5- 2		LRL EVAL	PR/C	2	1809	70	SHAKIN+ THEOR. FORMULA	
082 PB 207	(N,G)	2. + 3	8. + 5	ORL EXPT	PR/C	4	2249	71	GREENWOOD+ 3.2 +- 1.2 BARN	+
082 PB 207	(N,G)	3. + 3	1.0+	5 ORL EXPT	PRL	40	1306	78	RAMAN+ RADIATION WIDTHS	
082 PB 207	(N,G)	2.5- 2		NED EXPT	PR	154	1136	67	BIGGERSTAFF+ GAMMA TRANSITION	
082 PB 207	(N,G)	2.5- 2		RCN EXPT	NP/A	102	209	67	SPILLING+ G-VALUE	
082 PB 207	(N,G)	2.5- 2		RCN EXPT	NP/A	124	34	69	ABRAHAMS+ GAMMA TRANSITION	
082 PB 207	(N,G)	2.5- 2		NED EXPT	NP/A	145	449	70	SPITS+ GAMMA INTENSITY	
082 PB 207	(N,G)	2.5- 2		BNL EXPT	PR/C	5	178	72	MARISCOTTI+ NEUTRON-CAPT. GAMMA	
082 PB 207	(N,G)	2.5- 2		NED EXPT	NP/A	180	569	72	KAMPA+ NEUT.-CAPT. GAMMA	
082 PB 207	(N,G)	2.5+ 3	2.0+	5 ORL EXPT	PR/C	8	1504	73	ALLEN+ RES. PARAM.	
082 PB 208	(G,ABSORPTION)	7.6+ 6	1.2+	7 CCP EXPT	SNP	42	662	85	BELVAEV+ RES.&INTEGRAT. SIGMA	+

ELEMENT Z S A	QUANTITY	ENERGY (eV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
082 PB 208	(G-ABSORPTION) CS	1.0+ 7	1.0+ 8	GER EXPT	NP/A	489	189	SCHELHAAS+ TOTAL ABS.SIGMA	+
082 PB 208	(G-ABSORPTION) CS	2.0+ 7	1.4+ 8	GER THEO	NP/A	530	267	BARON+ SIGMA CURVE	+
082 PB 208	(G-ABSORPTION) XX	NDG		CCP	NP	40	93	BALASHOV COLLECTIVE DIPOLE EXCIT.	
082 PB 208	(G-ELASTIC)) AD	4.3+ 6	4.8+ 6	EXPT	NP/A	346	418	SOMMACHER+ N-CAPT GAM SOURCE	
082 PB 208	(G-ELASTIC)) AD	1.0+ 7	1.0+ 7	EXPT	PR/C	22	1420	CHAPURAN+ RES. PHOTON SCAT.	
082 PB 208	(G-ELASTIC)) AD	9.5+ 6	1.2+ 7	EXPT	PR/C	25	780	STARR+	
082 PB 208	(G-ELASTIC)) CS	4.5+ 6	7.5+ 6	EXPT	PR/C	19	342	LASZEWSKI+ AV.SIGMA	
082 PB 208	(G-ELASTIC)) CS	4.2+ 6	9.3+ 6	EXPT	PR/C	28	1519	KAHANE+ DIF.SIGMA TBL	
082 PB 208	(G-ELASTIC)) CS	1.5+ 7	4.0+ 8	MPH EXPT	NP/A	414	333	KAYWARD+ MES.AT 115DEG.,SIGMA TBL	+
082 PB 208	(G-ELASTIC)) CS	5.2+ 7		ITY EXPT	PR/C	44	1683	TAVARES+ SIGMA VALUE ANALYSED	+
082 PB 208	(G-F) CS	3.2+ 6		GER EXPT	NP/A	300	43	MUECKENHEIM+ 90DEG.DIFF.SIGMA	+
082 PB 208	(G-G) AD	1.0+ 7	1.0+ 8	GER EXPT	NP/A	362	111	LEIGHT+ SIGMA CURVE	+
082 PB 208	(G-G) AD	1.0+ 7	1.0+ 8	GER EXPT	NP/A	489	189	SCHELHAAS+ 4ANGLES DIFF.SIG.CURVE	+
082 PB 208	(G-G) CS	1.5+ 7		GER EXPT	NP/A	175	430	SCHMID+ RESONANT SCATT.	+
082 PB 208	(G-G) XX	7.3+ 6		ISL EXPT	NP/A	228	77	MOREH+ TEMP. EFFECT OF SCATT.	+
082 PB 208	(G-G) YD	7.3+ 6		GER EXPT	NP/A	175	172	FLEISCHMANN+ RESONANT SCATT.	+
082 PB 208	(G-G) YD	7.3+ 6		USA EXPT	PR	145	982	DOWDY+ LEVEL WIDTH	
082 PB 208	(G-G) YD	7. + 6		USA EXPT	PR/C	9	1568	SCHOLZ+ RESONANCE FLUORESC.	
082 PB 208	(G-G) YD	6.6+ 6	9.7+ 6	AUI EXPT	PR/C	15	1977	COOPE+ LEVEL PARAM.	
082 PB 208	(G-G) YD	4.8+ 6	7.1+ 6	GRN EXPT	PR/C	24	808	BIESIOT+ RES. FLUORESC.	
082 PB 208	(G-G) YD	1.0+ 7	1.0+ 7	GER EXPT	NP/A	372	1	ACKERMANN+ GAMMA INTENSITY	
082 PB 208	(G-G) YD	5.1+ 6	6.2+ 6	CCP EXPT	SNP	48	1	BEGZHANOV+ RES.SCATT.-LEVEL WIDTH	+
082 PB 208	(G-G) CS	1.1+ 8	4.2+ 8	SPN THEO	NP/A	541	585	CARRASCO+ CAL.SIGMA CURVE	+
082 PB 208	(G-N) AD	0.0+ 0	1.0+ 6	LRL EXPT	PR/C	3	2475	BAGLAN+ 135 DEG.DIFF.SIGMA CURVE	+
082 PB 208	(G-N) AD	NDG		LRL EXPT	PR/C	3	672	BAGLAN+ DIFF.SIGMA CURVE	+
082 PB 208	(G-N) AD	1.7+ 7	2.9+ 7	CAN EXPT	CJP	53	1434	JOHNSON+ DIFF.SIGMA CURVE	+
082 PB 208	(G-N) CS	8. + 6	2.6+ 7	LRL EXPT	PR	136	B126	HARVEY+ SIGMA CURVE	+
082 PB 208	(G-N) CS	7.7+ 6	1.1+ 7	USA EXPT	NP/A	91	365	HURST+ SIGMA VALUE	+
082 PB 208	(G-N) CS	NDG	4.0+ 4	LRL EXPT	PR	178	1827	BOWMAN+ RES.PARAM.	+
082 PB 208	(G-N) CS	7. + 6	1.7+ 7	CCP EXPT	PR/C	2	1809	SHAKIN+ CAL.SIGMA CURVE & FORMULA	+
082 PB 208	(G-N) CS	7.9+ 6	9.0+ 6	ANL EXPT	SNP	12	370	ISHKHANOV+ SIGMA CURVE & TBL	+
082 PB 208	(G-N) CS	8.5+ 6	9.0+ 6	MCM EXPT	PR/C	9	1148	JACKSON BACKGROUND SIGMA TBL	+
082 PB 208	(G-N) CS	8. + 6	1.3+ 7	GHT EXPT	PR/C	13	1864	MCREE+ ABSOLUTE PHOTONEUT.SIGMA	+
082 PB 208	(G-N) CS	8. + 6	1.3+ 7	BLG EXPT	NP/A	284	91	VAN DE VUYER+ SIGMA	+
082 PB 208	(G-N) CS	7.4+ 6	8.4+ 6	EXPT	NP/A	284	91	VAN DE VUYER+ SIGMA CURVE	+
082 PB 208	(G-N) CS	9.9+ 6	1.1+ 7	EXPT	PR/C	20	93	HOLT+ SCAT ANG.= 90 & 135 DEG.	+
082 PB 208	(G-N) CS	1.0+ 7		CAN EXPT	CJP	25	791	BELL+	
082 PB 208	(G-N) ED	8.4+ 6		ANL EXPT	CJP	53	1422	HACKE+ M1 RESONANCE	
082 PB 208	(G-N) YD	7.0+ 6	1.1+ 7	ISL THEO	NP/A	369	1440	TOOHEY+ PHOTO-N. RESONANCE	
082 PB 208	(G-N) YD	1.4+ 7	3.2+ 7	GER EXPT	NP/A	164	483	BIRENBAUM+ RELATIVE INTENSITY	+
082 PB 208	(G-NP) CS	2.5+ 7	4.0+ 7	TOH EXPT	NP/A	164	140	DAHMAN+ SIGMA CURVE	
082 PB 208	(G-P) AD	4.5+ 9		CCP EXPT	NP/A	246	357	SHODA+ LEGENDRE COEF.	+
082 PB 208	(G-P) AD	1.4+ 7	3.2+ 7	GER EXPT	NP/A	367	429	ALANAKYAN+ DIFF.SIGMA CURVE	+
082 PB 208	(G-P) CS	1.4+ 7	3.2+ 7	GER EXPT	NP/A	164	140	DAHMAN+ SIGMA CURVE	+
082 PB 208	(G-P) CS	1.9+ 7	2.9+ 7	TOH EXPT	NP/A	246	365	SHODA+ SIGMA CURVE	+
082 PB 208	(G-P) YD	2.0+ 7	2.3+ 7	PEN EXPT	PR	98	626	TOMS+ PHOTOPROTON YIELD	
082 PB 208	(G-SCATTERING) AD	2.0+ 7	1.4+ 8	GER THEO	NP/A	530	267	BARON+ COMPTON SCATT.-SIGMA CURVE	+
082 PB 208	(G-XN) CS	8. + 6	2.6+ 7	LRL EXPT	PR	136	B126	HARVEY+ SIGMA CURVE	+
082 PB 208	(G-XN) CS	6. + 6	3.5+ 7	SAC EXPT	NP/A	159	561	VEYSSIERE+ SIGMA CURVE & TABLE	+
082 PB 208	(G-2N) CS	9. + 6	2.6+ 7	LRL EXPT	PR	136	B126	HARVEY+ SIGMA CURVE	+
082 PB 208	(E,ELASTIC) AD	1.2+ 8	1.7+ 8	GER EXPT	NP/A	182	523	FRIEDRICH+ DIFF.SIGMA TABLE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
082 PB 208	(E,ELASTIC)) AD	1.0+ 8	5.0+ 8	GER THEO	ZP/A 274	267	75	ROSENFELDER DIFF.SIGMA CURVE	+
082 PB 208	(E,ELASTIC)) AD	5.0+ 8	245	MNZ THEO	PR/C 13	245	76	CHANDRA+ DIFF.SIGMA	+
082 PB 208	(E,ELASTIC)) CS	6.0+ 8	436	USA THEO	NP/A 118	436	68	ONLEY RELATIVE SIGMA CURVE	+
082 PB 208	(E,EP))				PRL 58	1088	87	QUINT+	
082 PB 208	(E,EP)) XX	NDG	4.1+ 8	NED REVM	NP/A 434	85	85	LAPIKAS	
082 PB 208	(E,EP)) CS	6.0+ 7	1.0+ 9	LRL EXPT	PR 179	1176	69	MORETTO+ SIGMA TBL	+
082 PB 208	(E,F)) CS	3.5+ 7	2.5+ 8	TOH EXPT	PR/C 41	354	90	ARRUDA-NETO+ SIGMA CURVE	+
082 PB 208	(E,F)) CS	3.5+ 7	2.5+ 8	JPN EXPT	PR/C 41	354	90	ARRUDA-NETO+ SIGMA CURVE	+
082 PB 208	(E,F)) CS	3.0+ 7	4.4+ 7	TOR EXPT	PR/C 16	239	77	KERNOHAN+ YIELD CURVES	+
082 PB 208	(E,F)) YD	3.0+ 7	4.4+ 7	SAC THEO	NP/A 229	333	74	KNOLL+ SIGMA CURVE	+
082 PB 208	(E,INELASTIC)) CS	7.0+ 7	3.4+ 8	EXPT	PRL 44	858	80	LICHTENSTADT+ TRANSVERSE AMPLIT	
082 PB 208	(E,INELASTIC)) CS	5.0+ 7	6.5+ 7	USA EXPT	PR/C 16	983	77	PITTHAN+ ANGULAR DIST.	
082 PB 208	(E,INELASTIC)) DD	7.4+ 6	1.0+ 8	TOH EXTH	PR/C 15	217	77	SASAO+ GMR,MULTIPOL.EXPANS.ANALYS.	
082 PB 208	(E,INELASTIC)) DD	5.0+ 7	3.4+ 8	EXPT	PR/C 25	2292	82	HEISENBERG+	
082 PB 208	(E,INELASTIC)) DD	4.1+ 7	7.5+ 7	EXPT	PR/C 26	920	82	HICKS+	
082 PB 208	(E,INELASTIC)) DD	2.3+ 7	6.1+ 7	THD EXPT	PL/B 120	305	83	MUELLER+	
082 PB 208	(E,INELASTIC)) DD	NDG		USA THEO	PR/C 44	2694	91	TALWAR+ COULOMB DISTORT.EFFECT	
082 PB 208	(E,INELASTIC)) ED	1.9+ 7	2.5+ 7	EXPT	PR/C 20	2437	79	WOODWARD+ 180 DEG.	
082 PB 208	(E,INELASTIC)) ED	4.5+ 7	6.5+ 7	GER EXPT	NP/A 410	237	83	WINCHENBACH+	
082 PB 208	(E,INELASTIC)) XX	1.8+ 8	6.0+ 8	STF EXPT	PR 130	245	63	KENDALL+ FORM FACTOR	
082 PB 208	(E,INELASTIC)) XX	2.8+ 7	7.3+ 7	YAL EVAL	PR 165	1337	68	ZIEGLER+ SIGMA RATIO CURVE	
082 PB 208	(E,INELASTIC)) XX	NDG		GER THEO	ZP 250	99	72	THEIS FORM FACTOR	
082 PB 208	(E,INELASTIC)) XX	6.0+ 8		SAC COMP	NP/A 358	383	81	FROIS	
082 PB 208	(E,INELASTIC)) XX	NDG		GER THEO	NP/A 448	685	86	KREWALD+ FORM FACTOR	
082 PB 208	(E,INELASTIC)) YD	5.0+ 7	6.4+ 7	THD EXPT	PL/B 74	45	78	FREY+ ANG. DIST.	
082 PB 208	(E,INELASTIC)) YD	5.0+ 7	6.4+ 7	THD EXPT	PL/B 77	367	78	KNUIPFER+ ANGULAR DIST.	
082 PB 208	(E,INELASTIC)) YD	6.5+ 7		THD EXPT	NIM 153	29	78	SCHUILL+	
082 PB 208	(E,P)) AD	1.9+ 7	2.9+ 7	TOH EXPT	NP/A 246	365	75	SHODA+ SIGMA CURVE	+
082 PB 208	(E,P)) AD	2.5+ 7	4.0+ 7	TOH EXPT	NP/A 246	357	75	SHODA+ LEGENDRE COEF.	+
082 PB 208	(E,P)) CS	4.1+ 8		ITY THEO	NP/A 485	461	88	GIUSTI+ REDUCED SIGMA	
082 PB 208	(E,SCATTERING) AD	4.0+ 7		STF EXPT	PR 120	2081	60	BARBER+ EXCITATION BY SCATTERING	
082 PB 208	(E,SCATTERING) AD	1.8+ 8		STF EXPT	PR 123	923	61	CRANNELL+ NUCL.LEVEL	
082 PB 208	(E,SCATTERING) AD	NDG		USA COMP	NP/A 138	401	69	NEGELE DIFF.SIGMA TABLE	+
082 PB 208	(E,SCATTERING) AD	5.0+ 8		STF EXPT	PR/C 9	2230	74	WHITNEY+ SIGMA TABLE	+
082 PB 208	(E,SCATTERING) AD	NDG		GER THEO	ZP/A 276	91	76	FAESSLER+ DIFF.SIGMA CURVE	+
082 PB 208	(E,SCATTERING) CS	3.0+ 8		USA THEO	PR/C 11	829	75	MURPHY+ DIFF. SIGMA CURVE	+
082 PB 208	(E,SCATTERING) XX	4.0+ 8	7.0+ 8	GER THEO	ZP/A 332	51	89	BROCKMANN+ QUASI-FREE SCATT.	
082 PB 208	(E,SCATTERING) YD	5.0+ 7	3.4+ 8	MIT EXPT	PRL 40	1127	78	LICHTENSTADT+ PB-208 STATES	
082 PB 208	(N,G)) CS	1.3+ 4	6.0+ 4	ORL EXPT	PR 136	8695	64	MACKLIN+ SIGMA VALUE	+
082 PB 208	(N,G)) CS	1.0+ 7	7.0+ 7	DEN THEO	NP/A 57	339	64	BROWN CAL.SUGMA CURVE	+
082 PB 208	(N,G)) CS	1.3+ 7	1.5+ 7	HUN EXPT	NP/A 95	229	67	CSIKAI+ SIGMA TABLE	+
082 PB 208	(N,G)) CS	1.0+ 4	2.0+ 5	ORL EXPT	PR 181	1639	69	MACKLIN+ ACTIVATION SIGMA	+
082 PB 208	(N,G)) CS	1.4+ 7		FR THEO	NP/A 189	334	72	BOISSON+ CAL.SIGMA CURVE	+
082 PB 208	(N,G)) CS	6.2+ 6	1.5+ 7	LRL EXPT	NP/A 191	641	72	BERGQUIST+ TOTAL CAPT.SIGMA	+
082 PB 208	(N,G)) CS	2.3+ 6	7.3+ 6	ITY THEO	ZP 264	405	73	MANTZOURANIS TOT.CAPT.SIGMA	+
082 PB 208	(N,G)) CS	NDG		GER THEO	NP/A 480	253	88	GUIDOTTI+	
082 PB 208	(N,G)) CS	1.4+ 7		YUG COMP	ZP/A 332	163	89	CVELBAR+ ACTIV.&INTEG. SIGMA	+
082 PB 208	(N,G)) CS	1.4+ 7		CSR THEO	ZP/A 332	163	89	CVELBAR+ INTERGAT.SIGMA	+
082 PB 208	(N,G)) ED	8. + 5	7.7+ 6	EXPT	NP/A 382	71	82	JOLY+	
082 PB 208	(N,G)) ED	7. + 6	1.3+ 7	EXPT	NP/A 384	129	82	KING+	
082 PB 208	(N,G)) YD	2.5+ 3	2.0+ 5	ORL EXPT	PR/C 8	1504	73	ALLEN+ RES. PARAM.	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
082 PB 208	(N,G)	NDG		ITY THEO	NP/A	516	41	90 GUIDOTTI+ M1 TRANSIT-AMPLITUDE	
082 PB 208	(P,G)	1.0+ 7	7.0+ 7	DEN THEO	NP/A	57	339	64 BROWN CAL-SUGMA CURVE	+
083 BI 209	(G,ABSORPTION)	6.4+ 6		ISL EXPT	NP/A	252	423	75 MOREH+ ATTENUAT. COEFF.	+
083 BI 209	(G,ABSORPTION)	5. - 1	3. + 0	GER EXPT	ZP/A	282	143	77 FELDMANN+ PHOTODETACH.SIGMA CURVE	+
083 BI 209	(G,ABSORPTION)	3. + 6	3.0+ 7	EXPT	PR/C	21	2328	80 SHERMAN+ TOF	
083 BI 209	(G,ABSORPTION)	7. + 6	2.0+ 7	EXPT	NP/A	338	97	80 GUREVICH+	
083 BI 209	(G,ABSORPTION)	3.0+ 6	2.8+ 7	MRC EXPT	PR/C	27	1011	83 SHERMAN+ TOT ABS SIGMA TBL	+
083 BI 209	(G,ABSORPTION)	7.6+ 6	1.2+ 7	CCP EXPT	SNP	42	662	85 BELYAEV+ RES.&INTEGRAT. SIGMA	+
083 BI 209	(G,ABSORPTION)	69 +7		ITY EXPT	PR/C	44	354	91 MARTINS+ SIGMA TABLE	+
083 BI 209	(G,ELASTIC)		1.0+ 7	EXPT	PR/C	22	1420	80 CHAPURAN+ RES. PHOTON SCAT.	+
083 BI 209	(G,ELASTIC)	8. + 6	1.3+ 7	NEG EXPT	PR/C	33	1793	86 KAHANE SIGMA CURVE	+
083 BI 209	(G,ELASTIC)	4.5+ 6	8.5+ 6	NBS EXPT	NP	33	431	62 FULLER+ SIGMA CURVE	+
083 BI 209	(G,ELASTIC)	7.3+ 6	7.9+ 6	USA EXPT	PR	132	1724	63 YOUNG+ NEUT-CAPT.GAMMA SOURCE	
083 BI 209	(G,ELASTIC)	4.5+ 6	7.5+ 6	EXPT	PR/C	19	342	79 LASSEWSKI+ AV.SIGMA	
083 BI 209	(G,ELASTIC)	2.5+ 6	3.5+ 6	EXPT	PL/B	92	71	80 MUECKENHEIM+ RADIOACT. SOURCE	
083 BI 209	(G,ELASTIC)	4.2+ 6	9.3+ 6	EXPT	PR/C	28	1519	83 KAHANE+ DIF.SIGMA TBL	+
083 BI 209	(G,F)	1.0+ 8	3.0+ 8	EXPT	PR/C	36	1027	87 GUARALDO+	+
083 BI 209	(G,F)	1.5+ 8	5.0+ 8	LRL EXPT	PR	106	585	57 JUNGERMAN PHOTOFISSION	+
083 BI 209	(G,F)	1.0+ 8	2.6+ 8	CCP EXPT	SNP	5	26	67 RANYUK+ SIGMA TABLE	+
083 BI 209	(G,F)	1.0+ 8	5. +12	CCP EXPT	SNP	14	37	72 VARTAPETYAN+ SIGMA TBL & CURVE	+
083 BI 209	(G,F)	6.0+ 8		SWD EXPT	NP/A	251	418	75 ARESKOU+ SIGMA CURVE	+
083 BI 209	(G,F)	1.0+ 8	3.0+ 8	FRA EXPT	PR/C	39	911	89 LUCHERINI+ SIGMA CURVE	+
083 BI 209	(G,F)	69 +7		ITY EXPT	PR/C	44	354	91 MARTINS+ SIGMA TABLE	+
083 BI 209	(G,F)	5.2+ 7		ITY EXPT	PR/C	44	1683	91 TAVARES+ SIGMA VALUE ANALYSED	+
083 BI 209	(G,F)		6.0+ 8	SWD EXPT	ZP/A	282	333	77 ARESKOU+ DISTRIBUT. OF KINETIC E	+
083 BI 209	(G,F)		2.5+ 8	CCP EXPT	SNP	5	165	67 ANTUF'EV+ KINETIC ENERGY OF FRAG.	+
083 BI 209	(G,F)	3.0+ 8	1.1+ 9	SWD EXPT	NP/A	143	449	70 SCHRODER+ MASS YIELD	
083 BI 209	(G,F)	6.0+ 8	5.1+ 9	CCP EXPT	SNP	16	502	73 DEMEKHINA+ FRAGMENT ANISOTROPY	
083 BI 209	(G,G)	1.2+ 7	1.7+ 7	SAC EXPT	NP/A	75	396	66 BOTTOMON+ DIF.SIGMA TABLE	+
083 BI 209	(G,G)	1.1+ 7		ANL EXPT	PR/C	9	1153	74 JACKSON+ PHOTON SCAT.	
083 BI 209	(G,G)	5.6+ 6		ISL EXPT	NP/A	218	95	74 TENENBAUM+ SCATT.SIGMA TBL	+
083 BI 209	(G,G)	7.2+ 6		ITY EXPT	NP/A	101	145	67 GIANNINI+ LEVEL WIDTH	
083 BI 209	(G,G)	6.4+ 6	7.9+ 6	ISL EXPT	NP/A	227	373	74 WOLF+ RES. PARAM.	
083 BI 209	(G,G)	6.6+ 6	9.7+ 6	AUI EXPT	PR/C	15	1977	77 COOPER+ LEVEL PARAM.	
083 BI 209	(G,G)	7.6+ 6		ITY EXPT	NP/A	132	512	69 CESAREO+ RESONANT FLUORESC.	
083 BI 209	(G,INELASTIC)	5.6+ 6		USA EXPT	NP/A	201	570	73 MECCA+ GAMMA WIDTH	
083 BI 209	(G,N)	2.2+ 7		SAS EXPT	CJP	39	1158	61 BAKER+ ANGL.DIFF.SIGMA	+
083 BI 209	(G,N)	NDG		ITY EVAL	NP	31	53	62 BORELLO+ FORWARD ASYMMETRY	
083 BI 209	(G,N)	5.5+ 7		USA EXPT	NP	30	201	62 REINHARDT+ ANGL.DIST.OF NEUTRON	+
083 BI 209	(G,N)	NDG		GER THEO	ZP	179	256	64 HEISS+ DIF. SIGMA	
083 BI 209	(G,N)	2.0+ 7		CCP EXPT	SNP	8	251	69 LEPESTKIN ASYMMETRY OF ANGL.DIST.	+
083 BI 209	(G,N)	2.9+ 7		CCP EXPT	SNP	11	149	70 LAZAREVA+ ASYMMETRY OF ANGL.DIST.	
083 BI 209	(G,N)		2.9+ 7	CCP EXPT	SNP	20	128	75 LAZAREVA+ NEUT.SPECT. CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
083 BI 209	(G,N)	7. + 6	1.1+	7	EXPT	319	83	BARKMAN+ ANG.DIST.COEF TBL		
083 BI 209	(G,N)	7. + 6	1.0+	7	EXPT	NP	33	FULLER+ SIGMA CURVE		
083 BI 209	(G,N)	7. + 6	2.2+	7	SAC EXPT	NP	32	MILLER+ INTEGRAT.SIGMA VALUE		
083 BI 209	(G,N)	8. + 6	2.6+	7	LRL EXPT	PR	136	HARVEY+ SIGMA CURVE		
083 BI 209	(G,N)	7.7+ 6	1.1+	7	USA EXPT	NP/A	91	HURST+ SIGMA VALUE		
083 BI 209	(G,N)	8. + 6	1.3+	7	NEG EXPT	PR/C	33	KAHANE SIGMA CURVE		
083 BI 209	(G,N)	1.4+ 7	1.6+	7	MIT EXPT	PR	110	BERTOZZI+ NEUT.SPECTRA		
083 BI 209	(G,N)	3.1+ 7	2.9+	7	CCP EXPT	SNP	21	EVSEEV+ NEUTRON SPECT.MEASURED		
083 BI 209	(G,N)	6.7+ 6	9.4+	6	EXPT	SNP	20	LAZAREVA+ NEUT.SPECT. CURVE		
083 BI 209	(G,N)	2.9+ 7	7. + 6	7	CCP EXPT	NP/A	289	BARKMAN+ Q-VALUE OF PHOTONEUT.		
083 BI 209	(G,N)	7. + 6	1.1+	7	NEG EXPT	PR/C	34	LEPESTKIN+ ENERGY DIST. CURVE		
083 BI 209	(G,N)	1.7+ 7	2.3+	7	TOH EXPT	NP/A	371	BIRENBAUM+ YIELD CURVE		
083 BI 209	(G,P)	1.4+ 5	1.4+ 5	5	IND EXPT	NIM	131	UEGAKI+ DIFF-SIGMA CURVE		
083 BI 209	(G,SCATTERING)	AD			EXPT	PR/C	27	ROY+ COHERENT SCATT.SIGMA CURVE		
083 BI 209	(G,SCATTERING)	AD			EXPT	PR/C	27	RULLHUSEN+ DIF-SIGMA TBL		
083 BI 209	(G,SCATTERING)	CS			IND THEO	NSE	85	UMESH+ INCOHERENT SCIT-SIGMA TBL		
083 BI 209	(G,SCATTERING)	XX			MIT EXPT	PR/C	8	HAYWARD+ RES. FLUORESCENCE		
083 BI 209	(G,T)				EXPT	NP/A	157	CURRIE+ INTEGRAT.SIGMA VALUE		
083 BI 209	(G,X)				EXPT	PR/C	16	WU+ PRE-EQUILIBRIUM ANALYSES		
083 BI 209	(G,X)				CAN EVAL	CJP	59	SHERMAN+ COULOMB CORRECTION		
083 BI 209	(G,XN)				UI EXPT	PR	132	YAVIN+ SIGMA VALUE		
083 BI 209	(G,XN)				EXPT	PR	136	HARVEY+ SIGMA CURVE		
083 BI 209	(G,XN)				EXPT	NP/A	196	THOMAS+ SIGMA CURVE		
083 BI 209	(G,XN)				EXPT	PR	136	HARVEY+ SIGMA CURVE		
083 BI 209	(E,ELASTIC)				CCP THEO	SNP	4	PEIKOV+ DIFF-SIGMA CURVE		
083 BI 209	(E,ELASTIC)				EXPT	PR/C	9	PREWITT+ DIFF-SIGMA CURVE		
083 BI 209	(E,EP)				EXPT	PR/C	3	SHODA+ DIFF-SIGMA CURVE		
083 BI 209	(E,F)				EXPT	PR	168	BOWMAN+ FISSION SIGMA TBL		
083 BI 209	(E,F)				EXPT	PR	179	MORETTO+ SIGMA TBL		
083 BI 209	(E,F)				EXPT	PR/C	34	ARRUDA-NETO+ SIGMA CURVE		
083 BI 209	(E,F)				EXPT	PR/C	41	ARRUDA-NETO+ SIGMA CURVE		
083 BI 209	(E,F)				EXPT	NP/A	326	MCGEORGE+ MASS DIST.-KINETIC EN		
083 BI 209	(E,F)				EXPT	PR/C	43	NIEVES+ PIONIC ATOM PRODUCTION		
083 BI 209	(E,F)				EXPT	PR/C	129	ONLEY+ FORM FACTOR		
083 BI 209	(E,INELASTIC)				EXPT	PR	129	KENDALL+ FORM FACTOR		
083 BI 209	(E,INELASTIC)				EXPT	PR	130	ZIEGLER+ SIGMA RATIO CURVE		
083 BI 209	(E,INELASTIC)				EXPT	PR	165	UEGAKI+ DIFF-SIGMA CURVE		
083 BI 209	(E,INELASTIC)				EXPT	NP/A	371	CRANNELL+ NUCL.LEVEL		
083 BI 209	(E,INELASTIC)				EXPT	PR	123	CRANNELL+ DIFF-SIGMA CURVE		
083 BI 209	(E,SCATTERING)				EXPT	PR	121	HERMAN+ DIFF-SIGMA CURVE		
083 BI 209	(E,SCATTERING)				EXPT	PR	132	BROWMAN+ DIFF-SIGMA TBL		
083 BI 209	(E,SCATTERING)				EXPT	PR	143	VAN NIFTRIK DIFF-SIGMA TABLE		
083 BI 209	(E,SCATTERING)				EXPT	NP/A	131	MURPHY+ DIFF-SIGMA CURVE		
083 BI 209	(E,SCATTERING)				EXPT	PR/C	11	KLAWANSKY+ SIGMA CURVE		
083 BI 209	(E,SCATTERING)				EXPT	PR/C	7	CSIKAI+ SIGMA TABLE		
083 BI 209	(N,G)				EXPT	NP/A	95	BERGQVIST+ SIGMA PLOT		
083 BI 209	(N,G)				EXPT	NP/A	120	POTOKAR+ INTEGRAT-SIGMA VALUE		
083 BI 209	(N,G)				EXPT	NP/A	213	MACKLIN+ LEVEL PARAM.		
083 BI 209	(N,G)				EXPT	PR/C	14	CVELBAR+ ACTIV.&INTEG. SIGMA		
083 BI 209	(N,G)				EXPT	NP/A	332	CVELBAR+ INTERGAT-SIGMA		
083 BI 209	(N,G)				EXPT	PR/C	163	HAKANSSON+ ISOVECT.QUADRUPOLE RES.		
083 BI 209	(N,G)				EXPT	NP/A	512			

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
083 BI 209	(P,G	NDG		UK	THEO	NP/A	56 331 64	DALY+ CAL-SIGMA CURVE	+
083 BI 209	(P,G	3.0+ 7	1.5+ 8	UK	EXPT	NP/A	56 322 64	DALY+ SIGMA CURVE	+
083 BI 209	(P,G	4.5+ 6	2.1+ 7	RPI	THEO	PR	184 1201 69	SPERBER SIGMA CURVE	+
083 BI 209	(P,G	6.2+ 7	4.8+ 8	INU	EXPT	PR/C	24 588 81	WARD+ PO PRODUCT. SIGMA	+
083 BI 209	(D,G	8.0+ 6	1.2+ 7		EXPT	NP/A	380 493 82	ZEMLO+	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
084 PO 210	(N,G			ORL	EVAL	NSE	15 217 63	HALPERIN+ EFF.CAPT.SIGMA	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
088 RA 226	(G,F	9. + 6	2.0+ 7	CCP	EXPT	SNP	13 537 71	ZHAGROV+ SIGMA CURVE	+
088 RA 226	(G,F	9. + 6	2.5+ 7	CCP	EXPT	SNP	7 183 68	ZHAGROV+ FRAGMENT YIELD	
088 RA 226	(G,F	1.1+ 7	2.8+ 7	CCP	EXPT	SNP	22 17 75	BAZHANOV+ YIELD CURVE	
088 RA 226	(N,G	2.5- 2		FR	EXPT	NP/A	365 26 81	EGID+ RA-227 LEVEL	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
089 AC 227	(G,F	7. + 6	1.6+ 7	IFP EXPT	SNP	27	163	78 ZHUCHKO+ PHOTOFISS. CS	+
089 AC 227	(N,G	2.5- 2		USA EXPT	PR	102	1140	56 KIRBY+ SIGMA VALUE	+
090 TH 000	(G,F	1.6+ 7		GER EXPT	ZP	153	257	58 FAISSNER+ ANGL.DISTRIBUT.	
090 TH 000	(G,INELASTIC	1.2+ 7	3.0+ 7	FR EXPT	NP/A	54	114	64 LANGEVIN+ SIGMA & SPECTRUM	+
090 TH 000	(G,N	3.1+ 7		CCP EXPT	SNP	21	129	75 EVSEEV+ NEUTRON SPECT.MEASURED	+
090 TH 000	(G,SCATTERING) AD	1.4+ 5		IND EXPT	NIM	131	163	75 ROY+ COHERENT SCATT.SIGMA CURVE	+
090 TH 000	(E,SCATTERING) CS	2.5+ 5	4.5+ 5	SWD EXPT	PR/C	40	1188	89 BARGHOLTZ+ SIGMA CURVE	+
090 TH 000	(N,G	2.0+ 1	2.2+ 2	USA EXPT	PR	140	850	65 HADDAD+ RESONANCE PARAM.	
090 TH 000	(N,G	1.5+ 1	1. + 3	HAR EXPT	NP/A	76	196	66 ASGHAR+ RESONANCE PARAMETER	
090 TH 230	(N,G	2.5- 2		CAN EXPT	CJP	36	989	58 CABELL SIGMA VALUE	+
090 TH 232	(G,ABSORPTION) CS	69 +7		ITY EXPT	PR/C	44	354	91 MARTINS+ SIGMA TABLE	+
090 TH 232	(G,F	2.0+ 7	1.1+ 8	SAC EXPT	NP/A	472	533	87 LEPRETRE+	+
090 TH 232	(G,F	5.0+ 6	1.1+ 7	VIR EXPT	ARI	38	561	87 VARHUE+	+
090 TH 232	(G,F	6.4+ 6		EXPT	YF	30	634	79 ZHUCHKO+ FRAG-ANG-DIST.	+
090 TH 232	(G,F	8. + 6	1.1+ 7	ANL EXPT	PR	104	425	56 GINDLER+ SIGMA TBL/CURVE	+
090 TH 232	(G,F	1.5+ 8	5.0+ 8	LRL EXPT	PR	106	585	57 JUNGEMAN PHOTOFISSION	+
090 TH 232	(G,F	6.1+ 6	7.0+ 6	ANL EXPT	NP	34	439	62 HUIZENGAT SIGMA TBL	+
090 TH 232	(G,F	3.0+ 8	1.0+ 9	ITY EXPT	NP/A	73	385	65 CARONARA+ SIGMA CURVE	+
090 TH 232	(G,F	2.0+ 8	9.0+ 8	SWD EXPT	NP/A	158	433	70 METHASIRI SIGMA CURVE	+
090 TH 232	(G,F	1.0+ 8	5. +12	CCP EXPT	SNP	14	37	72 VARTAPETYAN+ SIGMA TBL & CURVE	+
090 TH 232	(G,F	5.0+ 6	8.3+ 6	CRC EXPT	NP/A	179	333	72 KHAN+ SIGMA PLOT	+
090 TH 232	(G,F	5.4+ 6	9.0+ 6	BZL EXPT	NP/A	186	110	72 MAFRA+ SIGMA CURVE & TABLE	+
090 TH 232	(G,F	5.0+ 6	8.0+ 6	USA EXPT	NP/A	206	593	73 YESTER+ SIGMA PLOT & TABLE	+
090 TH 232	(G,F	6. + 6	2.5+ 7	SAC EXPT	NP/A	199	45	73 VEYSSIERE+ INTEGRAT.SIGMA	+
090 TH 232	(G,F	6.1+ 6	1.1+ 7	BRL EXPT	NP/A	236	1	74 MAFRA+ SIGMA TABLE	+
090 TH 232	(G,F	5.0+ 6	1.8+ 7	EXPT	PR/C	21	1215	80 CALDWELL+ FISS-NEUTRON ENERGY	+
090 TH 232	(G,F	3. + 6	6. + 6	FEI THEO	PR/C	24	529	81 OSTAPENKO+ SIGMA CURVE	+
090 TH 232	(G,F	5.0+ 6	8.0+ 6	EXPT	PL/B	116	315	82 KNOWLES+	+
090 TH 232	(G,F	2.0+ 7	3.2+ 7	USP EXPT	PR/C	29	2399	84 ARRUDA-NETO+ SIGMA CURV	+
090 TH 232	(G,F	6. + 6	6. + 6	NYU EXPT	PRL	53	34	84 ZHANG+ RES.WIDTH TBL	+
090 TH 232	(G,F	5.8+ 6	1.2+ 7	BLN EXPT	PR/C	34	1397	86 ZHANG+ SIGMA CURVE	+
090 TH 232	(G,F	5.5+ 6	7. + 6	UK EXPT	NP/A	458	217	86 FINDLAY+ SIGMA CURVE	+
090 TH 232	(G,F	2.0+ 7	1.4+ 8	BLG EXPT	ZP/A	329	451	88 RYCKBOSCH+ PHOTOFISS.SIGMA	+
090 TH 232	(G,F	NDG		USA EXPT	NSE	104	46	90 WILLIAMSON+ CD,FE N-CAPT.G-SOURCE	+
090 TH 232	(G,F	69 +7		ITY EXPT	PR/C	44	354	91 MARTINS+ SIGMA TABLE	+
090 TH 232	(G,F	5.2+ 7		ITY EXPT	PR/C	44	1683	91 TAVARES+ SIGMA VALUE ANALYSED	+
090 TH 232	(G,F	6.0+ 8	SWD EXPT	ZP/A	282	333	77 ARESKOUG+ DISTRIBUT. OF KINETIC E	+	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
090 TH 232	(G,F)	2.0+	7	USA EXPT	PR	134	8824 64	WALTON+ DELAYED GAMMA	
090 TH 232	(G,F)			CCP EXPT	SNP	5	165 67	ANTUF'EV+ KINETIC ENERGY OF FRAG.	
090 TH 232	(G,F)	8. +	6	1.3+ 7 LRL EXPT	NSE	56	179 75	CALDWELL+ FISS-NEUTRON MULTIPLICITY	
090 TH 232	(G,F)			MIT EXPT	PR	103	990 56	WINHOLD+ ANISOTROPIC PHOTOFISS.	
090 TH 232	(G,F)	4.5+	6	1.0+ 7 UI EXPT	PR	105	1277 57	SCHMITT+ ACTIVATION FUNCTION	
090 TH 232	(G,F)	1.2+	7	2.0+ 7 BZL EXPT	PR	126	1098 62	MOSCATT+ DELAYED NEUT.YIELD	
090 TH 232	(G,F)			HAR EXPT	NP	44	588 63	CUNINGHAME+ FRAGMENT YIELD	
090 TH 232	(G,F)	NDG		MIT EXPT	PR	137	B89 65	SARGENT+ PROMPT NEUTRON	
090 TH 232	(G,F)			SWD EXPT	NP/A	70	209 65	ALBERTSSON+ ANGL.DIST. OF FRAGMENT	+
090 TH 232	(G,F)	3.0+	8	1.1+ 9 SWD EXPT	NP/A	143	449 70	SCHRODER+ MASS YIELD	
090 TH 232	(G,F)	9. +	6	3.8+ 7 NMX EXPT	PR/C	16	2296 77	HOGAN+ YIELD CURVES	
090 TH 232	(G,F)	4.4+	6	7.0+ 6 CCP EXPT	SNP	28	602 78	ZHUCHKO+ YIELD CURVE	
090 TH 232	(G,F)	3.5+	6	4.6+ 6 CCP EXPT	SNP	28	611 78	ZHUCHKO+ PHOTOFISS. YIELDS	
090 TH 232	(G,F)	5.0+	6	1.8+ 7 LRL EXPT	NSE	73	153 80	CALDWELL+ MULTIPLICITY	
090 TH 232	(G,F)	1.0+	7	1.2+ 7 GER EXPT	ZP/A	308	63 82	RATZEK+ UNPOLAR/POLAR PHOTON	
090 TH 232	(G,F)	3.3+	6	4.8+ 6 CCP EXPT	JEL	37	666 83	OSTAPENKO+ FISS-YIELD CURV	
090 TH 232	(G,F)	1.1+	7	2.7+ 7 USA EXPT	PR/C	44	1118 91	SMITH+ INDEPENDENT YIELD	
090 TH 232	(G,G)	1.1+	7	ANL EXPT	PR/C	9	1153 74	JACKSON+ PHOTON SCAT.	+
090 TH 232	(G,G)	7.9+	6	1.1+ 7 ISL EXPT	NP/A	229	417 74	BAR-NOY+ SIGMA & GDR PARAM.	
090 TH 232	(G,INELASTIC)			4.1+ 6 222 EXPT	NP/A	506	223 90	HEIL+ PARITY ASSIGNMENT	
090 TH 232	(G,N)	5.0+	6	1.1+ 7 VIR EXPT	ARI	38	561 87	VARHUE+	
090 TH 232	(G,N)	8. +	6	1.1+ 7 ANL EXPT	PR	104	425 56	GINDLER+ SIGMA TBL/CURVE	+
090 TH 232	(G,N)			2.3+ 7 CAN EXPT	CJP	35	470 57	KATZ+ SIGMA CURVE	+
090 TH 232	(G,N)	5.4+	6	9.0+ 6 BZL EXPT	NP/A	186	110 72	MAFRA+ SIGMA CURVE & TABLE	+
090 TH 232	(G,N)	6. +	6	2.5+ 7 SAC EXPT	NP/A	199	45 73	VEYSSIERE+ INTEGRAT.SIGMA	+
090 TH 232	(G,N)	6.1+	6	1.1+ 7 BRL EXPT	NP/A	236	1 74	MAFRA+ SIGMA TABLE	+
090 TH 232	(G,N EMISSION)	5.0+	6	1.8+ 7 ILL EXPT	PR/C	21	1215 80	CALDWELL+ (G,N)+(G,2N)+(G,F)	+
090 TH 232	(G,SCATTERING)	8.5+	6	1.1+ 7 ILL EXPT	PR/C	27	559 83	RULLHUSEN+ DIF.SIGMA TBL	
090 TH 232	(G,X)	1.8+	7	2.8+ 7 CCP EXPT	SNP	44	184 86	GANGRSKII+ NE-24 YIELD	
090 TH 232	(G,XN)			4.5+ 7 GER EXPT	NP/A	350	1 80	GUENTHER+ ISOMERIC FISS. SIGMA	
090 TH 232	(G,XN)	6. +	6	2.5+ 7 SAC EXPT	PR/C	12	1834 75	JUNGCLAS+ RECIOL PROPERTIES	+
090 TH 232	(G,2N)	5.6+	6	3.2+ 7 USP EXPT	PS	35	427 87	VEYSSIERE+ INTEGRAT.SIGMA	
090 TH 232	(E,F)	5.5+	6	7.0+ 6 EXPT	PR/C	25	1689 82	ARRUDA-NETO+	
090 TH 232	(E,F)	1.0+	8	2.8+ 8 CCP EXPT	SNP	34	797 81	ARRUDA-NETO+ FRAG-ANG.DIST.ANISO	+
090 TH 232	(E,F)	8.7+	6	3.0+ 7 GER EXPT	NP/A	219	397 74	VORONIN+ SIGMA CURVE	
090 TH 232	(E,F)	1.1+	8		NP/A	326	108 79	MCGEORGE+ MASS DIST.-KINETIC EN	
090 TH 232	(E,F)	6. +	6	1.0+ 7 CCP EXPT	SNP	48	414 88	RUDNIKOV+ ANGULAR ANISOTROPY	
090 TH 232	(E,INELASTIC)	3.5+	7	1.1+ 8 MIT EXPT	PR/C	13	1083 76	COOPER+ SIGMA	+
090 TH 232	(E,SCATTERING)	2.0+	8	GER THEO	NP/A	78	465 66	DRECHSEL DIFF.SIGMA CURVE	+
090 TH 232	(N,G)	3.0+	4	4.0+ 6 LRL EXPT	PR	128	2717 62	MISKEL+ SIGMA TBL	+
090 TH 232	(N,G)	2.4+	4	IND EXPT	NP/A	66	267 65	CHAUBEY+ ACTIVATION SIGMA VALUE	+
090 TH 232	(N,G)	PILE		USA EXPT	NSE	22	121 65	HARDY RES-INTEGRAL	+
090 TH 232	(N,G)	2.6+	3	8.0+ 5 ORL EXPT	NSE	64	849 77	MACKLIN+ SIGMA CURVE & RES.PARAM.	+
090 TH 232	(N,G)	2.5-	2	2.4+ 4 BNL EXPT	NSE	72	202 79	CHRIEN+ SIGMA TABLE	+
090 TH 232	(N,G)	6.2-	3	1.9+ 1 RPI EXPT	NSE	79	175 81	LITTLE+ SIGMA TABLE	+
090 TH 232	(N,G)	2.5-	2	CRL EXPT	NSE	93	171 86	JONES+ SIGMA VALUE	+
090 TH 232	(N,G)	2.2+	1	6.9+ 1 BNL EXPT	PR	155	1362 67	BHAT+ RESONANCE PARAM.	+
090 TH 232	(N,G)	2.5-	2	RIS EXPT	PR/C	6	266 72	EGIDY+ TH-233 LEVEL	
090 TH 232	(N,G)	4.0+	3	COL EXPT	PR/C	6	1854 72	RAHN+ RES. PARAM.	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
090 TH 232	(N,G)	2.5- 2		SWT EXPT	PR/C	10	1554	74 KERN+ GAMMA TRANSITION	
090 TH 232	(N,G)	1.0+ 2	4.0+ 3	ORL EXPT	NSE	80	189	82 PEREZ+ CAPTURE YIELD	
090 TH 232	(P,G)	7. + 6	2.0+ 7	POL EVAL	ZP/A	324	439	86 SZERYPO+ CALCUL.EXCITATION CURVE	+
090 TH 232	(P,G)	7. + 6	2.0+ 7	POL EXPT	ZP/A	323	97	86 SZERYPO+ EXCITATION CURVE	+
090 TH 234	(G,F)		5.7+ 6	EXPT	YF	32	335	80 LINDGREN+ INTEGRATED YIELD	
090 TH 235	(G,F)		2.0+ 7	EXPT	PR/C	21	963	80 D'HONDT+ FISS. ALPHA SPECT.	
090 TH 235	(G,F)		7.0+ 7	EXPT	PR/C	21	237	80 JACOBS+ MASS DIST.	
091 PA 231	(G,F)	4.8+ 6	7.0+ 7	SAC EXPT	SNP	46	389	87 SOLDATOV+	+
091 PA 231	(N,G)	PILE		USA EXPT	PR	101	1053	56 SMITH+ SIGMA VALUE	+
091 PA 232	(N,G)	PILE		USA EXPT	PR	101	1053	56 SMITH+ SIGMA VALUE	+
091 PA 233	(N,G)	PILE		ORL EXPT	NSE	1	1	56 HALPERIN+ EFFECTIVE CAPT.SIGMA	+
091 PA 233	(N,G)	2.5- 2		CAN EXPT	CJP	38	751	60 EASTWOOD+ CAPT.SIGMA & RES.INTEGL	+
091 PA 233	(N,G)	PILE		USA EXPT	NSE	29	408	67 CONNOR+ RES.INTEGRAL	+
091 PA 237	(G,F)	NDG		USA EXPT	NSE	104	46	90 WILLIAMSON+ CD,FE N-CAPT.G-SOURCE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
092 U 000	(G, ABSORPTION)	2.4+ 8	3.3+ 8	SAC EXPT	NP/A 431		573	84	CARLOS+ 2PT., SIGMA PLOT	+
092 U 000	(G, E)	1.1+ 6		USA EXPT	NP	22	306	61	HULTBERG+ DIFF. SIGMA CURVE	+
092 U 000	(G, ELASTIC)	1.3+ 6		USA EXPT	PR/C	3	1287	71	HARGIE+ DIFF. SIGMA CURVE	+
092 U 000	(G, ELASTIC)	1. + 5	1.5+ 6	EXPT	JP/G	6	1237	80	MUECKENHEIM+ RADIOACT. SOURCE	
092 U 000	(G, ELASTIC)	2.5+ 6	3.5+ 6	EXPT	PL/B	92	71	80	MUECKENHEIM+ RADIOACT. SOURCE	
092 U 000	(G, F)	6.1+ 6	2.0+ 7	SND EXPT	NP	20	136	60	FORKMAN+ DIFF. SIGMA CURVE	+
092 U 000	(G, F)	1. + 9	7.4+ 9	SND EXPT	NP/A 197		44	72	ANDERSSON+ SIGMA PLOT	+
092 U 000	(G, F)	5.8+ 8		CAN EXPT	NP/A 279		331	76	KIELY+ FISSION SIGMA VALUE	+
092 U 000	(G, F)	1.0+ 8	3.0+ 8	FRA EXPT	PR/C 39		911	89	LUCHERINI+ SIGMA CURVE	+
092 U 000	(G, F)	6. + 9		SND EVAL	NP/A 197		88	72	SCHRODER MASS YIELD	+
092 U 000	(G, F)	3.4+ 5	1.4+ 6	AUL EXPT	NIM A255		68	87	TAYLOR+	+
092 U 000	(G, G)	1.3+ 6		USA EXPT	PR/C 1		714	70	HARDIE+ DIFF. SIGMA TBL	+
092 U 000	(G, G)	1. + 6	4. + 6	GOE EXPT	PR/C	33	1606	86	KASTEN+ DELBRUCK&RAYLEIGH SCATT.	+
092 U 000	(G, PION +)	5.5+ 8		STF EXPT	PR	105	1840	57	WILLIAMS+ Z-DEPEND. OF PION PRODUCT	+
092 U 000	(G, SCATTERING)	1.7+ 7		GER EXPT	NP	170	47	62	STIERLIN+ DIFF. SIGMA	+
092 U 000	(G, TOTAL)	3.0+ 4	1.8+ 7	IND EVAL	NSE	51	337	73	RAMANA+ SIGMA CURVE	+
092 U 000	(G, TOTAL)	2. + 4	2. + 6	IND THEO	NSE	96	330	87	SUBBAIAH+ TOT. PHOTO SIGMA CURVE	+
092 U 000	(G, X)	1. + 3	6.0+ 5	LRL THEO	NSE	40	487	70	ATWATER TOT. PHOTON SIGMA	+
092 U 000	(G, XN)	2.5+ 7	1.4+ 8	SAC EXPT	NP/A 367		237	81	LEPRETRE+ SIGMA CURV.&INTEG. SIGMA	+
092 U 000	(E, ABSORPTION)	3.4+ 6	1.9+ 7	UI EXPT	PR	115	633	59	HALL+ ENERGY LOSS	+
092 U 000	(E, F)	3.5+ 7	2.6+ 8	CCP EXPT	SNP	5	377	67	RANYUK+ PHTOFISS./ELECTRFISS. SIGMA	+
092 U 000	(E, G)	3.0+ 7	1.2+ 8	UK THEO	NIM 111		157	73	MATTHEWS+ BREMSST. SPECT. CURVE	+
092 U 000	(E, N)	4.0+ 7	1.0+ 8	GEA EXPT	PR	104	1652	56	BALDWIN+ NEUTRON PRODUCT.	+
092 U 000	(E, N)	1.0+ 7	3.6+ 7	STF EXPT	PR	116	1551	59	BARBER+ NEUTRON YIELD	+
092 U 000	(E, X)	1.0+ 7	2.0+ 7	MRC EXPT	PR/C 38		651	88	SHERMAN+ ELECTRON PAIR CREA. SIGMA	+
092 U 232	(G, F)	8. + 6	1.3+ 7	LRL EXPT	NSE	56	179	75	CALDWELL+ FISSION NEUTRON MULTIPLICITY	
092 U 233	(G, F)	6.1+ 6	7.0+ 6	ANL EXPT	NP	34	439	62	HUIZENGA+ SIGMA TBL	+
092 U 233	(G, F)		1.8+ 7	GWU EXPT	PR/C	34	2201	86	BERMAN+ SIGMA CURVE	+
092 U 233	(G, F)	4.4+ 6	7.0+ 6	CCP EXPT	SNP	28	602	78	ZHUCHKO+ YIELD CURVE	+
092 U 233	(G, N)		2.3+ 7	CAN EXPT	CJP	35	470	57	KATZ+ SIGMA CURVE	+
092 U 233	(E, F)	1.0+ 8	2.8+ 8	CCP EXPT	SNP	34	797	81	VORONIN+ SIGMA CURVE	+
092 U 233	(E, F)	9.1+ 7	2.3+ 8	EXPT	UFZ	10	1456	82	LIFACHEV+	+
092 U 233	(E, F)	1.5+ 8	5.5+ 8	LND EXPT	PR/C 41		1619	90	HANSEN+ SIGMA CURVE	+
092 U 233	(E, F)	1.5+ 8	5.5+ 8	SND EXPT	PR/C 41		1619	90	HANSEN+ SIGMA VS. ENERG. TRANS CRV	+
092 U 233	(N, G)	PILE		USA EXPT	NSE	3	758	58	GAERTTNER+ SIGMA VALUE	+
092 U 233	(N, G)	4. - 1	2.0+ 3	ORL EXPT	NSE	34	1	68	WESTON+ SIGMA & RES. INTEGRAL	+
092 U 233	(N, G)	5.5+ 5	2.2+ 6	ANL EXPT	NP/A 148		337	70	ELWYN+ ISOMER FORMATION SIGMA	+
092 U 233	(N, G)	NDG		USA EXPT	NSE	44	180	71	EILAND+ RES. INTEGRAL	+
092 U 234	(G, F)	6.1+ 6	7.0+ 6	ANL EXPT	NP	34	439	62	HUIZENGA+ SIGMA TBL	+
092 U 234	(G, F)		1.8+ 7	GWU EXPT	PR/C	34	2201	86	BERMAN+ SIGMA CURVE	+
092 U 234	(G, F)	8. + 6	1.3+ 7	LRL EXPT	NSE	56	179	75	CALDWELL+ FISSION NEUTRON MULTIPLICITY	+
092 U 234	(G, F)	5.2+ 6	6.4+ 6	LND EXPT	NP/A 298		43	78	LINDGEN+ ANGULAR DIST. OF FRAGM.	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
092 U 234	(E,F)	5.5+ 6	2.5+ 7	EXPT	NP/A	389	378	82 ARRUDA-NETO+ SIGMA CURVE	+
092 U 234	(E,F)	5.5+ 6	2.5+ 7	USP EXPT	PR/C	23	2595	81 ARRUDA-NETO+ SIGMA CURVE	+
092 U 234	(E,F)	6. + 6	1.0+ 7	CCP EXPT	SNP	48	414	88 RUDNIKOV+ ANGULAR ANISOTROPY	+
092 U 234	(N,G)	5.5+ 5	2.2+ 6	ANL EXPT	NP/A	148	337	70 ELVYN+ ISOMER FORMATION SIGMA	+
092 U 234	(D,G)	1.5+ 7	2.3+ 7	LRL EXPT	NP/A	81	401	66 LESSLER+ SIGMA TABLE	+
092 U 235	(G,ABSORPTION)	69 +7		ITY EXPT	PR/C	44	354	91 MARTINS+ SIGMA TABLE	+
092 U 235	(G,F)	2.0+ 7	1.1+ 8	SAC EXPT	NP/A	472	533	87 LEPRETRE+ SIGMA TABLE	+
092 U 235	(G,F)	6. + 6	1.5+ 7	IFP EXPT	SNP	207	746	78 ZHUCHKO+ ANG. DIST. OF FRAGM.	+
092 U 235	(G,F)	1.5+ 8	5.0+ 8	LRL EXPT	PR	106	585	57 JUNGHERMAN PHOTOFISSION	+
092 U 235	(G,F)	6.1+ 6	7.0+ 6	ANL EXPT	NP	34	439	62 HUIZENGA+ SIGMA TBL	+
092 U 235	(G,F)	6. + 6	1.9+ 7	LRL EXPT	PR	133	8676	64 BOWMAN+ SIGMA CURVE	+
092 U 235	(G,F)	1.0+ 8	5. +12	CCP EXPT	SNP	14	37	72 VARIAPETIAN+ SIGMA TBL & CURVE	+
092 U 235	(G,F)	5.0+ 6	8.3+ 6	CRC EXPT	NP/A	179	333	72 KHAN+ SIGMA PLOT	+
092 U 235	(G,F)	5.0+ 6	8.0+ 6	USA EXPT	NP/A	212	221	73 ANDERL+ SIGMA CURVE & TABLE	+
092 U 235	(G,F)	5.0+ 6	1.8+ 7	EXPT	PR/C	21	1215	80 CALDWELL+ (G,N)+(G,2N)+(G,F)	+
092 U 235	(G,F)	1.2+ 7	3.0+ 7	GER EXPT	PR/C	29	2346	84 STROHER+ SIGMA CURV	+
092 U 235	(G,F)	4.0+ 7	1.1+ 8	GER EXPT	PL/B	139	254	84 RIES+ SIGMA CURV	+
092 U 235	(G,F)	2.0+ 7	1.4+ 8	BLG EXPT	ZP/A	329	451	88 RYCKBOSCH+ PHOTOFISSION.SIGMA	+
092 U 235	(G,F)	1.3+ 9	4.3+ 9	CCP EXPT	SNP	49	780	89 ARAKELIAN+ SIGMA VALUE	+
092 U 235	(G,F)	69 +7		ITY EXPT	PR/C	44	354	91 MARTINS+ SIGMA TABLE	+
092 U 235	(G,F)	5.2+ 7		ITY EXPT	PR/C	44	1683	91 TAVARES+ SIGMA VALUE ANALYSED	+
092 U 235	(G,F)	2.0+ 7		USA EXPT	PR	134	8824	64 WALTON+ DELAYED GAMMA	+
092 U 235	(G,F)	8. + 6	1.3+ 7	LRL EXPT	NSE	56	179	75 CALDWELL+ FISSION-NEUTRON MULTIPLICIT	+
092 U 235	(G,F)	2.4+ 7		MIT EXPT	PR	103	990	56 WINHOLD+ ANISOTROPIC PHOTOFISSION.	+
092 U 235	(G,F)	2.5+ 7		CCP EXPT	SNP	7	584	68 PETRZHAK+ MASS YIELD	+
092 U 235	(G,F)	2.5+ 7		BLG EXPT	PR/C	14	1058	76 THIERENS+ FISSION YIELD	+
092 U 235	(G,F)	1.0+ 8	1.0+ 9	CCP EXPT	PR/C	14	1874	76 JACOBS+ FISSION-NEUTRON YIELD	+
092 U 235	(G,F)	4.4+ 6	7.0+ 6	CCP EXPT	SNP	28	600	78 ALEKSANDROV+ RELATIV.FISSION.YIELDS	+
092 U 235	(G,F)	5.5+ 6	1.8+ 7	LRL EXPT	NSE	73	153	80 ZHUCHKO+ YIELD CURVE	+
092 U 235	(G,F)	1.2+ 7	7.0+ 7	BLG EXPT	PR/C	24	1795	81 CALDWELL+ MULTIPLICITY	+
092 U 235	(G,F)	3.0+ 7		EXPT	PR/C	25	1546	82 JACOBS+ FRAGMENT DIST.	+
092 U 235	(G,F)	1.2+ 7	3.0+ 7	EXPT	PR/C	26	1356	82 THIERENS+ FRENNE+	+
092 U 235	(G,F)	1.2+ 7	3.0+ 7	GHT EXPT	PR/C	29	1777	84 DE FRENNE+ ISOM. YIELD RATIO TBL	+
092 U 235	(G,F)	2.0+ 7	3.0+ 7	GHT EXPT	PR/C	29	1909	84 DE FRENNE+ ISOT. YIELD DIST. TBL	+
092 U 235	(G,F)	8.5+ 6	2.1+ 7	LRL EXPT	NSE	111	368	92 KASE+ YIELD CURVE	+
092 U 235	(G,N EMISSION)	5.0+ 6	1.8+ 7	EXPT	PR	133	8676	64 BOWMAN+ SIGMA CURVE	+
092 U 235	(G,X)	5.5+ 7	8.5+ 7	MRY THEO	PR/C	21	1215	80 CALDWELL+ (G,N)+(G,2N)+(G,F)	+
092 U 235	(G,X)	3. + 8	3.5+ 9	CCP EXPT	SNP	52	878	77 WU+ PRE-EQUILIBRIUM ANALYSES	+
092 U 235	(G,XN)	1.1+ 7	2.1+ 7	LRL EXPT	NP/A	350	1	80 ARAKELIAN+ HADRON PROD.SIGMA CURVE	+
092 U 235	(G,2N)	1.0+ 8	2.8+ 8	CCP EXPT	PR	133	8676	64 GUENTHER+ ISOMERIC FISSION. SIGMA	+
092 U 235	(E,F)	9.1+ 7	2.3+ 8	EXPT	SNP	34	797	81 BOWMAN+ SIGMA CURVE	+
092 U 235	(E,F)	1.3+ 9	4.3+ 9	CCP EXPT	UFZ	10	1456	82 VORONIN+ SIGMA CURVE	+
092 U 235	(E,F)	4. + 6	2.2+ 7	GER EXPT	SNP	49	780	89 LIFACHEV+ SIGMA VALUE	+
092 U 235	(E,F)	1.1+ 8		CCP THEO	NP/A	510	1	90 ARAKELIAN+ SIGMA CURVE	+
092 U 235	(E,F)	50	5		NP/A	326	108	79 WEBER+ KINETIC EN	+
092 U 235	(E,X)				SNP	53	23	91 MCGEORGE+ MASS DIST.,KINETIC EN	+
092 U 235	(E,X)				SNP	53	23	91 ARUTYUNYAN+ U-235M ISOMER SIGMA	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
092 U 235	(N,G)	5. -	3 5.0+	4 ORL EXPT	PR	102	797 56	MACKLIN+ SIGMA CURVE	+
092 U 235	(N,G)	0	3.4+	1 USA EVAL	NSE	4	135 58	KAVANAGH RES. ANALYSIS	+
092 U 235	(N,G)	5.5+	5 2.2+	6 ANL EXPT	NP/A	148	337 70	ELWYN+ ISOMER FORMATION SIGMA	+
092 U 235	(N,G)	NDG		USA EXPT	NSE	44	180 71	EILAND+ RES.INTEGRAL	+
092 U 235	(N,G)	8. -	0 1.0+	4 ORL EXPT	NSE	52	46 73	PEREZ+ SIGMA CURVE & TABLE	+
092 U 235	(N,G)	2. -	2 2.0+	5 ORL EXPT	NSE	59	79 76	GWIN+ SIGMA CURVE & TABLE	+
092 U 235	(N,G)	1.0-	5 1.1+	2 ORL EVAL	NSE	103	109 89	DE SAUSSURE+ SIGMA PLOT & TABLE	+
092 U 235	(N,G)				NSE	109	1	LEAL+ R-MATRIX ANL., SIGMA CURVE	+
092 U 235	(N,G)	5.2+	0 4.9+	1 BNL EXPT	PR/C	16	588 77	KOENE+ (N,G) SPECTRA	+
092 U 235	(N,G)	6. -	0 4.0+	1 BLG EXPT	NP/A	134	535 69	WEIGMANN+ GAMMA YIELD	+
092 U 235	(N,G)		6.0+	1 ORL EXPT	PR/C	7	2018 73	SAUSSURE+ RESONANCE ANALYSIS	+
092 U 235	(N,G)	0. -	0 3.0+	1 BNL EXPT	PR/C	8	781 73	GRAVES+ U-236 LEVEL	+
092 U 235	(N,G)	1.5+	0 5.8+	1 ITY EXPT	NP/A	203	145 73	CORVI+ GAMMA INTENSITY	+
092 U 235	(N,G)	1. -	1 1.5+	1 BNL EXPT	NP/A	218	84 74	REDDINGUS+ U-236 RESONANCE STAT.	+
092 U 236	(G,F)	6.1+	6 7.0+	6 ANL EXPT	NP	34	439 62	HUIZENGA+ SIGMA TBL	+
092 U 236	(G,F)	5.0+	6 8.0+	6 USA EXPT	NP/A	206	593 73	YESTER+ SIGMA PLOT & TABLE	+
092 U 236	(G,F)	5.0+	6 1.8+	7 LRL EXPT	PR/C	21	1215 80	CALDWELL+ (G,N)+(G,2N)+(G,F)	+
092 U 236	(G,F)	8. -	6 1.3+	7 LRL EXPT	NSE	56	179 75	CALDWELL+ FISS.NEUTRON MULTIPLICIT	+
092 U 236	(G,F)	4.4+	6 7.0+	6 CCP EXPT	SNP	28	602 78	ZHUCHKO+ YIELD CURVE	+
092 U 236	(G,F)	3.5+	6 4.6+	6 CCP EXPT	SNP	28	611 78	ZHUCHKO+ PHOTOFISS. YIELDS	+
092 U 236	(G,F)	5.5+	6 1.8+	7 LRL EXPT	NSE	73	153 80	CALDWELL+ MULTIPLICITY	+
092 U 236	(G,N EMISSION)	5.0+	6 1.8+	7 EXPT	PR/C	21	1215 80	CALDWELL+ (G,N)+(G,2N)+(G,F)	+
092 U 236	(E,F)	5.5+	6 3.3+	7 EXPT	PR/C	22	1996 80	VRONDA-NETO+ FRAG. ANG.DIST.	+
092 U 236	(E,F)	1.0+	8 2.8+	8 CCP EXPT	SNP	34	797 81	ARRONIN+ SIGMA CURVE	+
092 U 236	(E,F)	9.1+	7 2.3+	8 EXPT	UFZ	10	1456 82	LIFACHEV+	+
092 U 236	(E,F)	6. -	6 1.0+	7 CCP EXPT	SNP	48	414 88	RUDNIKOV+ ANGULAR ANISOTROPY	+
092 U 236	(N,G)	5. -	2 2.0+	4 USA EXPT	NP/A	141	577 70	CARLSON+ AVERAG.SIGMA CURVE	+
092 U 236	(N,G)	PILE		CCP EXPT	SNP	24	460 76	GANGRSKII+ GAMMA SPECT.	+
092 U 236	(N,G)	2. -	3 2.4+	4 BNL EXPT	PR/C	24	1419 81	STELTS+ LEVEL DENSITY	+
092 U 236	(D,G)	1.7+	7 2.3+	7 LRL EXPT	NP/A	81	401 66	LESSLER+ SIGMA TABLE	+
092 U 237	(N,G)	PILE		USA EXPT	NSE	31	149 68	CORNMAN+ SIGMA VALUE	+
092 U 238	(G,A)	69 +7	1.6+	7 EXPT	JP/G	5	1307 79	LEES+ DECAY CURV-DECAY GAM-SPEC	+
092 U 238	(G,ABSORPTION)	4.3+	6 4.8+	6 EXPT	PR/C	44	354 91	MARTINS+ SIGMA TABLE	+
092 U 238	(G,ELASTIC)	2.8+	6 9.7+	6 EXPT	NP/A	346	418 80	SOHUMACHER+ N-CAPT GAM SOURCE	+
092 U 238	(G,ELASTIC)	2.0+	7 1.1+	8 SAC EXPT	NP/A	382	79 82	RULLHUSEN+	+
092 U 238	(G,F)	4.8+	6 6.4+	6 EXPT	NP/A	472	533 87	LEPRETRE+	+
092 U 238	(G,F)	5.0+	6 1.1+	7 VIR EXPT	PR/C	36	1293 87	BIRENBAUM+	+
092 U 238	(G,F)	5.2+	6 6.4+	6 LND EXPT	ARI	38	561 87	VARHUE+	+
092 U 238	(G,F)	1.2+	7 2.2+	7 CAN EXPT	NP/A	285	415 78	LINDGREN+ YIELD CURVES	+
092 U 238	(G,F)	8. -	6 1.1+	7 ANL EXPT	PR	99	98 55	KAYZ+ SIGMA CURVE	+
092 U 238	(G,F)	1.5+	8 5.0+	8 LRL EXPT	PR	104	425 56	GINDLER+ SIGMA TBL/CURVE	+
092 U 238	(G,F)				PR	106	585 57	JUNGERMAN PHOTOFISSION	+

ELEMENT Z S A	QUANTITY	ENERGY (eV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
092 U 238	(G,F)	6.1+	6	ANL EXPT	NP	34	439	HUIZENG+ SIGMA TBL	+
092 U 238	(G,F)	3.0+	8	ITY EXPT	NP/A	73	385	CARBONARA+ SIGMA CURVE	+
092 U 238	(G,F)	5.9+	6	SWD EXPT	NP/A	64	420	KIVIKAS+ SIGMA CURVE	+
092 U 238	(G,F)	5.0+	6	ISL EXPT	NP/A	61	17	LINDNER (G,N)/(G,F) SIGMA RATIO	+
092 U 238	(G,F)	4.0+	6	CCP THEO	SNP	9	700	VOROTNIKOV SIGMA CURVE	+
092 U 238	(G,F)	5.4+	6	ITY EXPT	NP/A	123	664	MANFREDINI+ SIGMA CURVE	+
092 U 238	(G,F)	2.0+	8	SWD EXPT	NP/A	158	433	METHASIRI SIGMA CURVE	+
092 U 238	(G,F)	1.0+	8	CCP EXPT	SNP	14	37	VARTAPETYAN+ SIGMA TBL & CURVE	+
092 U 238	(G,F)	5.0+	6	CRG EXPT	NP/A	179	333	KHAN+ SIGMA PLOT	+
092 U 238	(G,F)	5.4+	6	BZL EXPT	NP/A	186	110	MAFRA+ SIGMA CURVE & TABLE	+
092 U 238	(G,F)	5.0+	6	USA EXPT	NIM	102	101	ANDERL+ RELATIV. SIGMA CURVE	+
092 U 238	(G,F)	5.0+	6	USA EXPT	NP/A	212	221	ANDERL+ SIGMA CURVE & TABLE	+
092 U 238	(G,F)	6.1+	6	2.5+ 7 SAC EXPT	NP/A	199	45	VEYSSIERE+ INTEGRAT. SIGMA	+
092 U 238	(G,F)	6.1+	6	1.1+ 7 BRL EXPT	NP/A	236	1	MAFRA+ SIGMA TABLE	+
092 U 238	(G,F)	2.8+	6	NBS EXPT	PR/C	12	863	BOWMAN+ SIGMA TABLE	+
092 U 238	(G,F)	5.0+	6	1.8+ 7 EXPT	PR/C	21	1215	CALDWELL+ (G,N)+(G,2N)+(G,F)	+
092 U 238	(G,F)	3.1+	6	FEI THEO	PR/C	24	529	OSTAPENKO+ SIGMA CURVE	+
092 U 238	(G,F)	1.2+	7	GER EXPT	PR/C	29	2346	BELLIA+ SIGMA CURV	+
092 U 238	(G,F)	4.0+	7	BLG EXPT	PL/B	139	254	STROEHER+ SIGMA CURV	+
092 U 238	(G,F)	2.0+	7	1.4+ 8 BLG EXPT	NP/A	329	451	RYCKBOSCH+ PHOTOFISS. SIGMA	+
092 U 238	(G,F)	1.3+	9	CCP EXPT	SNP	49	780	ARAKELIAN+ SIGMA VALUE	+
092 U 238	(G,F)	1.1+	7	1.6+ 7 JLU EXPT	PR/C	42	2148	WILKE+ SIGMA CURVE	+
092 U 238	(G,F)	1.1+	7	1.6+ 7 USA EXPT	NSE	104	46	WILLIAMSON+ CD/FE N-CAPT. G-SOURCE	+
092 U 238	(G,F)	6.9+	7	ITY EXPT	PR/C	42	2148	WILKE+ SIGMA CURVE	+
092 U 238	(G,F)	5.2+	7	ITY EXPT	PR/C	44	354	MARTINS+ SIGMA TABLE	+
092 U 238	(G,F)	6.0+	7	2.4+ 8 CCP EXPT	NP/A	539	1683	TAVARES+ SIGMA VALUE ANALYSED	+
092 U 238	(G,F)	2.0+	7	6.0+ 8 SWD EXPT	PR	134	8824	WALTON+ DELAYED GAMMA	+
092 U 238	(G,F)	8.1+	6	1.3+ 7 LRL EXPT	NSE	56	179	CALDWELL+ FISS. NEUTRON MULTIPLICIT	+
092 U 238	(G,F)	4.5+	6	1.0+ 7 UI EXPT	PR	103	990	WINHOLD+ ANISOTROPIC PHOTOFISS.	+
092 U 238	(G,F)	1.2+	7	2.0+ 7 BZL EXPT	PR	105	1277	SCHMITT+ ACTIVATION FUNCTION	+
092 U 238	(G,F)	3.3+	7	AUL EXPT	NP	44	588	MOSCATI+ DELAYED NEUT. YIELD	+
092 U 238	(G,F)	1.8+	7	USA EXPT	PR	142	691	MEASON+ FISSION YIELD	+
092 U 238	(G,F)	4.5+	6	6.5+ 6 CCP EXPT	SNP	7	326	KURCHATOV+ ASYMMETRY OF FRAG. YIELD	+
092 U 238	(G,F)	2.5+	8	1.0+ 9 CCP EXPT	SNP	10	30	KOMAR+ FRAGMENT YIELD	+
092 U 238	(G,F)	3.0+	8	1.1+ 9 SWD EXPT	NP/A	143	449	SCHRODER+ MASS YIELD	+
092 U 238	(G,F)	5.6+	6	9.1+ 6 USA EXPT	NP/A	175	501	DOWDY+ FRAGMENT YIELD	+
092 U 238	(G,F)	1.5+	7	2.5+ 7 CCP EXPT	SNP	14	532	PETRZHAK+ FRAGMENT YIELD	+
092 U 238	(G,F)	8.1+	6	2.2+ 9 GER EXPT	NP/A	197	163	DAVID+ MASS YIELD	+
092 U 238	(G,F)	6.0+	8	5.1+ 9 CCP EXPT	NP/A	193	555	SCHRODER+ FRAGMENT PRODUCT. SIGMA	+
092 U 238	(G,F)	4.5+	6	6.5+ 6 SWD EXPT	NP/A	215	461	DEMOKHINA+ FRAGMENT ANISOTROPY	+
092 U 238	(G,F)	2.5+	7	BLG EXPT	PR/C	14	1058	THIERENS+ FISSION YIELD	+
092 U 238	(G,F)	2.5+	7	BLG THEO	PR/C	14	1874	JACOBS+ FISS. NEUTRON YIELD	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
092 U 238	(G,F)	1.0+	8 1.0+	9 CCP EXPT	SNP	28	600 78	ALEKSANDROV+ RELATIV.FISS.YIELDS	
092 U 238	(G,F)	4.4+	6 7.0+	6 CCP EXPT	SNP	28	602 78	ZHUCHKO+ YIELD CURVE	
092 U 238	(G,F)	3.5+	6 4.6+	6 CCP EXPT	SNP	28	611 78	ZHUCHKO+ PHOTOFISS. YIELDS	
092 U 238	(G,F)		7.3+	6 LRL EXPT	PR/C	19	422 79	JACOBS+ SPT.40MASS YIELD	
092 U 238	(G,F)	5.5+	6 1.8+	7 LRL EXPT	NSE	73	153 80	CALDWELL+ MULTIPLICITY	
092 U 238	(G,F)	6.0+	8 1.6+	9 CCP EXPT	SNP	33	163 81	ANTIPENKO+ FISSION YIELDS	
092 U 238	(G,F)	1.2+	9	CCP EXPT	SNP	34	483 81	KASILOV+ FRAGMENT YIELD	
092 U 238	(G,F)		3.0+	7 EXPT	PR/C	25	1546 82	THIERENS+	
092 U 238	(G,F)		3.0+	7 EXPT	PR/C	26	1356 82	FRENNE+	
092 U 238	(G,F)	1.2+	7 3.0+	7 GHT EXPT	PR/C	29	1777 84	DE FRENNE+ ISOM. YIELD RATIO TBL	
092 U 238	(G,F)	1.2+	7 3.0+	7 GHT EXPT	PR/C	29	1909 84	DE FRENNE+ ISOT. YIELD DIST. TBL	
092 U 238	(G,F)	7.2+	6 9.7+	6 NEG EXPT	PR/C	32	1944 85	KAHANE+ FRAGM. YIELD	
092 U 238	(G,F)	3.9+	6 4.3+	6 GER EXPT	NP/A	437	253 85	DREXLER+ FISSION YIELD	
092 U 238	(G,F)	2.0+	7 6.0+	7 JPN EXPT	NSE	111	368 92	KASE+ YIELD CURVE	
092 U 238	(G,F)	1.1+	7	ANL EXPT	PR/C	9	1153 74	JACKSON+ PHOTON SCAT.	
092 U 238	(G,G)	6.8+	6 1.1+	7 ISL EXPT	PR/C	18	1217 78	KAHANE+ RAYLEIGH & DELBRUCK AMP.	
092 U 238	(G,G)	7.9+	6 9.0+	6 NEG EXPT	NP/A	308	88 78	KAHANE+ ANGLUAR DIST.SIGMA	
092 U 238	(G,G)	7.9+	6 1.1+	7 ISL EXPT	NP/A	229	417 74	BAR-NOY+ SIGMA & GDR PARAM.	
092 U 238	(G,INELASTIC)	1.2+	7	GER EXPT	NP/A	411	17 83	DREXLER+ FISSION SIGMA=400 NB	
092 U 238	(G,INELASTIC)	2.8+	6 9.7+	6 EXPT	NP/A	382	79 82	RULLHUSEN+	
092 U 238	(G,N)	5.0+	6 1.1+	7 VIR EXPT	ARI	38	561 87	VARHUE+	
092 U 238	(G,N)	8. +	6 1.1+	7 ANL EXPT	PR	104	425 56	GINDLER+ SIGMA TBL/CURVE	
092 U 238	(G,N)		2.3+	7 CAN EXPT	CJP	35	470 57	KATZ+ SIGMA CURVE	
092 U 238	(G,N)	5.0+	6 9.0+	6 ISL EXPT	NP/A	61	17 65	LINDNER (G,N)/(G,F) SIGMA RATIO	
092 U 238	(G,N)	1.0+	9 5.5+	9 ITY EXPT	NP/A	126	505 69	DE CARVALHO+ SIGMA PLOT	
092 U 238	(G,N)	5.4+	6 9.0+	6 BZL EXPT	NP/A	186	110 72	MAFRA+ SIGMA CURVE & TABLE	
092 U 238	(G,N)	6. +	6 2.5+	7 SAC EXPT	NP/A	199	45 73	VEYSSIERE+ INTEGRAT.SIGMA	
092 U 238	(G,N)	6.1+	6 1.1+	7 BRL EXPT	NP/A	236	1 74	MAFRA+ SIGMA TABLE	
092 U 238	(G,N EMISSION)	5.0+	6 1.8+	7 EXPT	PR/C	21	1215 80	CALDWELL+ (G,N)+(G,2N)+(G,F)	
092 U 238	(G,N EMISSION)		4.5+	7 EXPT	NP/A	350	1 80	GUENTHER+ ISOMERIC FISSION SIGMA	
092 U 238	(G,SCATTERING)	8.5+	6 1.1+	7 ILL EXPT	PR/C	27	559 83	RULLHUSEN+ DIF.SIGMA TBL	
092 U 238	(G,SCATTERING)	4. +	6 7. +	6 ILL EXPT	NP/A	314	171 83	ZURMUEL+ SCAT SIGMA TBL	
092 U 238	(G,SCATTERING)		1.1+	7 EXTH	NIM	166	91 79	MOREH N-CAPT GAMMA SOURCE	
092 U 238	(G,TOTAL)	3.8+	6 3.8+	6 EXPT	PL/B	114	99 82	ZURMUEL+	
092 U 238	(G,X)	3. +	8 3.5+	9 CCP EXPT	SNP	52	878 90	ARAKELYAN+ HADRON PROD.SIGMA CURVE	
092 U 238	(G,2N)	6. +	6 2.5+	7 SAC EXPT	NP/A	199	45 73	VEYSSIERE+ INTEGRAT.SIGMA	
092 U 238	(G,2N)		4.5+	7 EXPT	NP/A	350	1 80	GUENTHER+ ISOMERIC FISSION SIGMA	
092 U 238	(G,2N)	4.0+	7	NBS EXPT	PR/C	18	2435 78	DODGE+ TERNARY FISSION CS	
092 U 238	(E,A)	7.8+	7 1.8+	8 EXPT	PRL	59	2028 87	WEBER+	
092 U 238	(E,EF)	5.0+	6 1.2+	7 EXPT	PRL	49	113 82	DOWELL+	
092 U 238	(E,ELASTIC)	1.0+	8 6.9+	8 LSU EXPT	PR/C	34	1243 86	BLATCHLEY+	
092 U 238	(E,F)	5.5+	6 9.0+	6 EXPT	NP/A	334	297 80	ARRUDA-NETO+ FRAG.ANG. DIST.	
092 U 238	(E,F)	1.0+	7 5.0+	8 EXPT	NP/A	349	483 80	ARRUDA-NETO+ FRAG.ANG. DIST.	
092 U 238	(E,F)	2.5+	8 5.0+	8 LRL EXPT	PR	168	1396 68	BOWMAN+ FISSION SIGMA TBL	
092 U 238	(E,F)	6.0+	7 1.0+	9 LRL EXPT	PR	179	1176 69	MORETTO+ SIGMA TBL	
092 U 238	(E,F)	2.5+	7 5.0+	8 CCP EXPT	SNP	11	736 70	KASILOV+ + SIGMA CURVE	
092 U 238	(E,F)	7. +	6 6.5+	7 EXPT	NP/A	292	285 79	ASCHENBACH+ FRAG.ANG.DIST.ANISO	
092 U 238	(E,F)	1.0+	8 2.8+	8 CCP EXPT	SNP	34	797 81	VORONIN+ SIGMA CURVE	
092 U 238	(E,F)	9.1+	7 2.3+	8 EXPT	UFZ	10	1456 82	LIFACHEV+	
092 U 238	(E,F)	1.0+	7 3.5+	7 EXPT	NP/A	378	237 82	STROEHER+	

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA	
		MIN	MAX		REF	VOL	PAGE YEAR			
092 U 238	(E,F)	1.0+	8 1.0+	9	EXPT	NP/A 381	472	82	KUZNETSOV+	+
092 U 238	(E,F)	5.0+	6 2.0+	7	USA COMP	PR/C 33	1354	86	ZAMANI-NOOR+ PHOTOFISS.SIGMA	+
092 U 238	(E,F)	5.0+	6 2.3+	7	STF EXTH	PR/C 34	1375	86	GRIFFIOEN+	+
092 U 238	(E,F)	1.3+	9 4.3+	9	CCP EXPT	SNP 49	780	89	ARAKELYAN+ SIGMA VALUE	+
092 U 238	(E,F)	1.5+	8 5.5+	8	LND EXPT	PR/C 41	1619	90	HANSEN+ SIGMA CURVE	+
092 U 238	(E,F)	1.5+	8 5.5+	8	SWD EXPT	PR/C 41	1619	90	HANSEN+ SIGMA VS. ENERG.TRANS CRV	+
092 U 238	(E,F)	4.0+	6 2.2+	7	GER EXPT	NP/A 510	1	90	WEBER+ SIGMA CURVE	+
092 U 238	(E,F)	5.5+	6 2.8+	7	USP EXPT	PR/C 52	2382	84	GRIFFIOEN+ (E,E'F) DDX CURV	+
092 U 238	(E,F)	1.1+	8	7	EXTH	PR/C 18	863	78	ARRUDA+ E2 CS & E2 GR PARAM.	+
092 U 238	(E,F)	6.0+	6 1.0+	7	CCP EXPT	NP/A 326	108	79	MCGEORGE+ MASS DIST.-KINETIC EN	+
092 U 238	(E,F)	3.5+	7 1.1+	8	MIT EXPT	SNP 48	414	88	RUDNIKOV+ ANGULAR ANISOTROPY	+
092 U 238	(E,INELASTIC)	1.3+	7 1.1+	8	AUI EXTH	PR/C 13	1083	76	COOPER+ SIGMA	+
092 U 238	(E,INELASTIC)	5.0+	6 4.0+	7	EXTH	PR/C 21	28	80	PITTHAN+ INEL. ELECTRON SPECT.	+
092 U 238	(E,INELASTIC)	6.0+	6 2.5+	7	USP EXPT	PR/C 16	613	77	MARTINS+ ELECTRODISINT. SIGMA	+
092 U 238	(E,N)	2.0+	7 1.2+	8	EXPT	NP/A 330	325	79	SHOTTER+ E1,E2 STRENGTH	+
092 U 238	(E,P)	4.0+	7	NBS EXPT	PR/C 18	2435	78	DODGE+ TERNARY FISS CS	+	
092 U 238	(E,SCATTERING)	2.0+	8	GER THEO	NP/A 78	465	66	DRECHSEL DIFF.SIGMA CURVE	+	
092 U 238	(E,SCATTERING)	5.0+	8	GER THEO	NP/A 332	51	89	BROCKMANN+ QUASI-FREE SCATT.	+	
092 U 238	(N,G)	NDG		ORL THEO	NSE 1	105	56	DRESNER CAL. WITH SEVERAL METHODS	+	
092 U 238	(N,G)	7.5+	3 3.0+	4	KFK EXPT	NSE 14	358	62	HARDY+ RES. INTEGRAL	+
092 U 238	(N,G)	2.4+	4 5.0+	5	KFK EXPT	NSE 26	573	66	ARAI+ PULSED METHOD	+
092 U 238	(N,G)	5.5+	5 2.2+	6	ANL EXPT	NP/A 124	130	69	INGLEY HEAVY-ELEMENT YIELD	+
092 U 238	(N,G)	1.0+	2 1.0+	5	ORL EXPT	NP/A 148	337	70	ELWYN+ ISOMER FORMATION SIGMA	+
092 U 238	(N,G)	1.0+	4 5.0+	6	KFK EXPT	NSE 51	385	73	DE SAUSSURE+ SIGMA TABLE	+
092 U 238	(N,G)	2.0+	4 3.5+	6	ANL EXPT	NSE 54	300	74	BLUHM+ ADJUST.SIGMA CURVE	+
092 U 238	(N,G)	1.1+	0 1.8+	1	BNL EXPT	NSE 62	463	77	LIOUT+ SIGMA TABLE	+
092 U 238	(N,G)	1.0+	4 9.0+	4	KFK EXPT	NSE 66	363	78	WISSHAK+ SIGMA RATIO	+
092 U 238	(N,G)	6.0+	5 1.4+	6	EXPT	AE 48	87	80	DAVLETSHIN+	+
092 U 238	(N,G)	3.0+	2 3.0+	6	ANL EXPT	NSE 78	239	81	POENITZ+ SIGMA TABLE	+
092 U 238	(N,G)	1.0+	3 2.0+	5	ITY THEO	NSE 83	401	83	REFFO+ OPTICAL MODEL CAL.	+
092 U 238	(N,G)	1.0+	4 3.0+	5	KFK EVAL	NSE 103	119	89	FROEHNER SIGMA CURVE	+
092 U 238	(N,G)	2.3+	4 9.7+	5	USA EXPT	NSE 110	282	92	QUANG+ SIGMA CURVE	+
092 U 238	(N,G)	4.0+	3 2.0+	5	KFK EVAL	NSE 111	404	92	FROEHNER SIGMA CURVE	+
092 U 238	(N,G)	2.7+	4 4.0+	4	ORL EXPT	NP/A 74	15	65	BERGQVIST GAMMA SPECTRUM	+
092 U 238	(N,G)	7.0+	6 1.4+	7	EXPT	NP/A 384	88	82	MCDANIELS+	+
092 U 238	(N,G)	6.7+	0	CCP EXPT	NP/A 362	18	81	MEISTER+ CHEMICAL RES-ENERG.SHIFT	+	
092 U 238	(N,G)	2.5-	2	CRL EXPT	CJP 37	377	59	CAMPION+ GAMMA INTENSITY	+	
092 U 238	(N,G)	5.0+	0 1.0+	3	HAR EXPT	NP/A 85	305	66	ASGHAR+ RESONANCE PARAMETER	+
092 U 238	(N,G)	2.0+	3 1.2+	2	BNL EXPT	NP/A 121	630	68	PRICE+ RESONANCE PARAMETER	+
092 U 238	(N,G)	2.5-	2	BNL EXPT	PR/C 4	900	71	WASSON+ PARTIAL RAD.WIDTH	+	
092 U 238	(N,G)	4.0+	3 2.4+	4	BNL EXPT	PR/C 6	1322	72	BOLLINGER+ RES. PARAM.	+
092 U 238	(N,G)	2.0+	3 2.4+	4	BNL EXPT	PR/C 6	1854	72	RAHN+ RES. PARAM.	+
092 U 238	(N,G)	3.0+	0 3.0+	3	RPI EXPT	NSE 80	263	82	STELTS+ LEVEL DENSITY	+
092 U 238	(N,G)	5.0+	6 2.5+	7	LRL EXPT	NP/A 414	281	84	BLOCK+ SELF-INDICATION YIELD	+
092 U 238	(N,G)	7.5+	6 1.8+	7	EXPT	NP/A 81	401	66	CHRISTEN+ U239 LVL	+
092 U 238	(N,G)	8.0+	6 2.5+	7	USA THEO	NP/A 161	191	71	UPDEGRAFF+ CAL.SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE YEAR		
093 NP 237	(G,F)	6.1+	6 7.0+	6 ANL EXPT	NP	34	439 62	HUIZENG+ SIGMA TBL	+
093 NP 237	(G,F)	6. + 6	2.5+	7 SAC EXPT	NP/A	199	45 73	VEYSSIERE+ INTEGRAT.SIGMA	+
093 NP 237	(G,F)	5.4+	6 1.1+	7 BZL EXPT	NSE	89	150 85	GERALDO+ SIGMA TABLE	+
093 NP 237	(G,F)	5.4+	6 1.1+	7 GWU EXPT	PR/C	34	2201 86	BERMAN+ SIGMA CURVE	+
093 NP 237	(G,F)	5.2+	7	ITY EXPT	PR/C	44	1683 91	TAVARES+ SIGMA VALUE ANALYSED	+
093 NP 237	(G,F)	6.0+	7 2.4+	8 CCP EXPT	NP/A	539	263 92	ILJINOV+ SIGMA CURVE	+
093 NP 237	(G,F)	8. + 6	1.3+	7 LRL EXPT	NSE	56	179 75	CALDWELL+ FISS-NEUTRON MULTIPLICIT	
093 NP 237	(G,F)	1.0+	8 1.0+	9 CCP EXPT	SNP	28	600 78	ALEKSANDROV+ RELATIV.FISS.YIELDS	
093 NP 237	(G,F)	4.4+	6 7.0+	6 CCP EXPT	SNP	28	602 78	ZHUCHKO+ YIELD CURVE	
093 NP 237	(G,F)	3.5+	6 4.6+	6 CCP EXPT	SNP	28	611 78	ZHUCHKO+ PHOTOFISS. YIELDS	
093 NP 237	(G,F)	2.0+	7 6.0+	7 JPN EXPT	AE	53	164 82	KONDRATIKO+	
093 NP 237	(G,F)	6. + 6	2.5+	7 SAC EXPT	NSE	111	368 92	KASE+ YIELD CURVE	+
093 NP 237	(G,N)	5.4+	6 1.1+	7 BZL EXPT	NP/A	199	45 73	VEYSSIERE+ INTEGRAT.SIGMA	+
093 NP 237	(G,SCATTERING)	6. + 6	2.5+	7 SAC EXPT	NSE	89	150 85	GERALDO+ SIGMA TABLE	
093 NP 237	(G,2N)	6. + 6	2.5+	7 SAC EXPT	NIM	166	91 79	MOREH N-CAPT GAMMA SOURCE	+
093 NP 237	(E,F)	1.0+	8 2.8+	8 CCP EXPT	NP/A	199	45 73	VEYSSIERE+ INTEGRAT.SIGMA	+
093 NP 237	(E,F)	1.0+	8 1.0+	9	SNP	34	797 81	VORONIN+ SIGMA CURVE	
093 NP 237	(E,F)	1.1+	8	EXPT	NP/A	381	472 82	KUZNETSOV+	
093 NP 237	(N,G)	1.5+	5 1.5+	6 ANL EXPT	NP/A	326	108 79	MCGEORGE+ MASS DIST.,KINETIC EN	+
093 NP 237	(N,G)				NSE	29	218 67	STUPEGIA+ ACTIVATION,SIGMA TABLE	+
093 NP 238	(N,G)	2. + 3		LRL EXPT	PR/C	41	484 90	HOFF+	
093 NP 239	(N,G)	PILE		USA EXPT	NSE	5	264 59	KINDERMAN+ SIGMA VALUE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION				COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE	YEAR		
094 PU 000	(G,TOTAL	3.0+ 4	1.8+ 7	IND EVAL	NSE	51	337	73	RAMANA+ SIGMA CURVE	+
094 PU 000	(G,X	1. + 3	6.0+ 5	LRL THEO	NSE	40	487	70	ATWATER TOT.PHOTON SIGMA	+
094 PU 238	(G,F	7.5+ 6	1.1+ 7	USA EXPT	NSE	45	47	71	SHAPIRO+ SIGMA TABLE & CURVE	+
094 PU 238	(N,G	PILE		CAN EXPT	CJP	35	147	57	BUTLER+ SIGMA VALUE	+
094 PU 238	(N,G	2.5- 2		USA EXPT	NSE	30	355	67	YOUNG+ SIGMA VALUE	+
094 PU 238	(N,G	1.8+ 1	2.0+ 5	LRL EXPT	NSE	52	187	73	SILBERT+ SIGMA CURVE	+
094 PU 239	(G,F	7.5+ 6	1.1+ 7	USA EXPT	NSE	45	47	71	SHAPIRO+ SIGMA TABLE & CURVE	+
094 PU 239	(G,F	8. + 6	1.3+ 7	LRL EXPT	PR/C	34	2201	86	BERMAN+ SIGMA CURVE	+
094 PU 239	(G,F	5.4+ 6	7.9+ 6	CCP EXPT	NP/A	77	92	66	CALDWELL+ FISS-NEUTRON MULTIPLICIT	
094 PU 239	(G,F	3.0+ 6	8.7+ 6	CCP EXPT	SNP	11	552	70	RABOTNOV+ FRAGMENT ANGL-ANISOTRO.	
094 PU 239	(G,F		5.3+ 7	FR EXPT	NP/A	173	465	71	SOLDATOV+ ANGULAR ANISOTROPY	
094 PU 239	(G,F	1.0+ 8	1.0+ 9	CCP EXPT	SNP	28	600	78	TAMAIN+ FRAGMENT YIELD	
094 PU 239	(G,F	4.4+ 6	7.0+ 6	CCP EXPT	SNP	28	602	78	ALEKSANDROV+ RELATIV.FISS-YIELDS	
094 PU 239	(G,F	2.0+ 7	6.0+ 7	JPN EXPT	NSE	111	368	92	ZHUCHKO+ YIELD CURVE	
094 PU 239	(G,F		2.3+ 7	CAN EXPT	CJP	35	470	57	KATZ+ SIGMA CURVE	+
094 PU 239	(G,N	1.1+ 7	1.5+ 7	CCP EXPT	SNP	16	151	73	GANGRSKII+ EXCITATION ENERGY	
094 PU 239	(G,N		4.5+ 7	CCP EXPT	PR/C	19	433	79	GUENTHER+ PU237 FISS ISOM YIELD	
094 PU 239	(E,F	1.0+ 8	2.8+ 8	CCP EXPT	SNP	34	797	81	VORONIN+ SIGMA CURVE	+
094 PU 239	(E,F	1.0+ 8	1.0+ 9	EXPT	NP/A	381	472	82	KUZNETSOV+	
094 PU 239	(N,G	5. + 3	5.0+ 4	ORL EXPT	PR	102	797	56	MACKLIN+ SIGMA CURVE	+
094 PU 239	(N,G	PILE		ANL EXPT	NSE	1	62	56	FIELDS+ SIGMA VALUE	+
094 PU 239	(N,G	PILE		USA EXPT	NSE	3	758	58	GAERTTNER+ SIGMA VALUE	+
094 PU 239	(N,G	5.5+ 5	2.2+ 6	ANL EXPT	NP/A	148	337	70	ELWYN+ ISOMER FORMATION SIGMA	+
094 PU 239	(N,G	2. - 2	3.0+ 4	ORL EXPT	NSE	40	306	70	GWIN+ SIGMA TABLE	+
094 PU 239	(N,G	NDG		USA EXPT	NSE	44	180	71	EILAND+ RES-INTEGRAL	+
094 PU 239	(N,G	2. - 2	2.0+ 5	ORL EXPT	NSE	59	79	76	GWIN+ SIGMA CURVE & TABLE	+
094 PU 239	(N,G		1.0+ 3	ORL EVAL	NSE	106	434	90	DERRIEN+ R-MATRIX ANL.-SIGMA CURVE	+
094 PU 240	(G,XN		4.5+ 7	EXPT	NP/A	350	1	80	GUENTHER+ ISOMERIC FISS. SIGMA	
094 PU 240	(N,G	PILE		CRC EXPT	PR	103	634	56	BUTLER+ SIGMA VALUE	+
094 PU 240	(N,G	PILE		ANL EXPT	NSE	1	62	56	FIELDS+ SIGMA VALUE	+
094 PU 240	(N,G	NDG		ORL THEO	NSE	2	481	57	STOUGHTON+ EFFECT.CAPT.-SIGMA	+
094 PU 240	(N,G	2.0+ 2	3.5+ 5	ORL EXPT	NSE	63	143	77	WESTON+ SIGMA TABLE	+
094 PU 240	(N,G	1.0+ 4	9.0+ 4	KFK EXPT	NSE	66	363	78	WISSHAK+ SIGMA RATIO	
094 PU 240	(N,G	5.0+ 4	2.5+ 5	KFK EXPT	NSE	69	39	79	WISSHAK+ SIGMA RATIO	+
094 PU 240	(N,G	1. + 3	2.0+ 5	ITY THEO	NSE	83	401	83	REFFO+ OPTICAL MODEL CAL.	+
094 PU 241	(G,F	4.4+ 6	7.0+ 6	CCP EXPT	SNP	28	602	78	ZHUCHKO+ YIELD CURVE	+
094 PU 241	(N,G	PILE		ANL EXPT	NSE	1	62	56	FIELDS+ SIGMA VALUE	+
094 PU 241	(N,G	PILE		USA EXPT	NSE	3	758	58	GAERTTNER+ SIGMA VALUE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
094 PU 241	(N,G)			USA EXPT	NSE	44	180	71 EILAND+ RES-INTEGRAL	+
094 PU 241	(N,G)	1. - 2	3.0+ 4	ORL EXPT	NSE	65	454	78 WESTON+ SIGMA CURVE	+
094 PU 241	(N,G)	1.0+ 1	3.0+ 2	ORL EVAL	NSE	106	415	90 DERRIEN+ R-MATRIX ANL-AV.SIGMA TBL	+
094 PU 242	(G,F)	1.2+ 7	3.0+ 7	BLG EXPT	PR/C	29	498	84 THIERENS+ KINE.ENER.&MASS DIST.TBL	
094 PU 242	(G,N)	4.0+ 7	4.8+ 7	GER EXPT	NP/A	359	397	81 GUENTHER+ ISOMERIC YIELD RATIO	
094 PU 242	(G,XN)		4.5+ 7	EXPT	NP/A	350	1	80 GUENTHER+ ISOMERIC FISS. SIGMA	
094 PU 242	(N,G)	PILE		CRC EXPT	PR	103	634	56 BUTLER+ SIGMA VALUE	+
094 PU 242	(N,G)	PILE		ANL EXPT	NSE	1	62	56 FIELDS+ SIGMA VALUE	+
094 PU 242	(N,G)	PILE		CAN EXPT	CJP	35	147	57 BUTLER+ SIGMA VALUE	+
094 PU 242	(N,G)	2.0+ 4		CAL THEO	PR	158	1127	67 BELL CAL.SIGMA TBL	+
094 PU 242	(N,G)	2.0+ 4		LRL EXPT	NP/A	124	130	69 INGLEY HEAVY-ELEMENT YIELD	+
094 PU 242	(N,G)	PILE		CRL EXPT	CJP	48	710	70 ENNS SIGMA VALUE	+
094 PU 242	(N,G)	1.0+ 4	9.0+ 4	KFK EXPT	NSE	66	363	78 WISSHAK+ SIGMA RATIO	
094 PU 242	(N,G)	5.0+ 4	2.5+ 5	KFK EXPT	NSE	69	39	79 WISSHAK+ SIGMA RATIO	
094 PU 242	(N,G)	1. + 3	2.0+ 5	ITY THEO	NSE	83	401	83 REFFO+ OPTICAL MODEL CAL.	+
094 PU 242	(N,G)	3.0+ 0		BNL EXPT	PR/C	14	912	76 CASTEN+ PU-243 LEVELS	
094 PU 243	(N,G)	2.0+ 4		CAL THEO	PR	158	1127	67 BELL CAL.SIGMA TBL	+
094 PU 244	(G,F)	1.2+ 7	3.0+ 7	GHT EXPT	PR/C	27	1117	83 THIERENS+ SIGMA CURV	
094 PU 244	(N,G)	2.0+ 4		CAL THEO	PR	158	1127	67 BELL CAL.SIGMA TBL	+
094 PU 249	(N,G)	2.5- 2		CRL EXPT	CJP	38	57	60 WALKER+ SIGMA, RES-INTEGRAL	+
094 PU 256	(N,G)	2.0+ 4		CAL THEO	PR	158	1127	67 BELL CAL.SIGMA TBL	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
095 AM 241	(G,F)	5.0+	7 1.3+	9 CCP EXPT	SNP	24	357 76	VINOGRADOV+ FISS.SIGMA	+
095 AM 241	(G,F)	7. +	6 2.6+	7 EXPT	YF	30	910 79	KORETZKAJA+	
095 AM 241	(G,F)	1.0+	8 1.0+	9 CCP EXPT	SNP	28	600 78	ALEKSANDROV+ RELATIV.FISS.YIELDS	
095 AM 241	(G,F)	4.4+	6 7.0+	6 CCP EXPT	SNP	28	602 78	ZHUCHKO+ YIELD CURVE	
095 AM 241	(G,F)	1.0+	7 8.0+	7 EXPT	NP/A	324	29 79	KUZNETSOV+ DELAY/PROMPT RATIO	
095 AM 241	(N,G)	0	6.5+	6 CCP EXPT	NP/A	102	443 67	FLEROV+ SIGMA CURVE	+
095 AM 241	(N,G)	2.5-	2	USA EXPT	NSE	50	364 73	HARBOUR+ SIGMA VALUE	+
095 AM 241	(N,G)	2.5-	2 2. +	6 USA THEO	NSE	63	242 77	MANN+ HAUSER-FESCHBACH THEORY	+
095 AM 241	(N,G)	1.0+	4 2.5+	5 KFK EXPT	NSE	76	148 80	WISSHAK+ SIGMA CURVE	+
095 AM 241	(N,G)	1.5-	2 3.0+	4 KFK EXPT	NSE	81	396 82	WISSHAK+ SIGMA CURVE	+
095 AM 242M	(E,INELASTIC)	3. +	3 CCP THEO	SNP	48	827 88	ARUTYUNYAN+ TRANSITION SIGMA	+	
095 AM 243	(G,F)	5.0+	7 1.3+	9 CCP EXPT	SNP	24	357 76	VINOGRADOV+ FISS.SIGMA	+
095 AM 243	(G,F)	7. +	6 2.6+	7 EXPT	YF	30	910 79	KORETZKAJA+	
095 AM 243	(G,F)	4.5+	8 9.5+	8 CCP EXPT	NP/A	485	668 88	IVANOV+ SIGMA CURVE	+
095 AM 243	(G,F)	1.0+	8 1.0+	9 CCP EXPT	SNP	28	600 78	ALEKSANDROV+ RELATIV.FISS.YIELDS	
095 AM 243	(G,F)	1.0+	7 8.0+	7 EXPT	NP/A	324	29 79	KUZNETSOV+ DELAY/PROMPT RATIO	
095 AM 243	(G,N)	4.5+	8 9.5+	8 CCP EXPT	NP/A	485	668 88	IVANOV+ SIGMA CURVE	+
095 AM 243	(E,F)	1.0+	8 1.0+	9 EXPT	NP/A	381	472 82	KUZNETSOV+	
095 AM 243	(E,F)	4.5+	8 9.5+	8 CCP EXPT	NP/A	485	668 88	IVANOV+ SIGMA CURVE	+
095 AM 243	(E,N)	4.5+	8 9.5+	8 CCP EXPT	NP/A	485	668 88	IVANOV+ SIGMA CURVE	+
095 AM 243	(N,G)	PILE	3. + 5 4. +	6 RUM EXPT	CJP	35	147 57	BUTLER+ SIGMA VALUE	+
095 AM 243	(N,G)	2.5-	2 2. +	6 USA THEO	NSE	63	242 77	MANN+ HAUSER-FESCHBACH THEORY	+
095 AM 243	(N,G)	5. +	3 2.5+	5 KFK EXPT	NSE	85	251 83	WISSHAK+ SIGMA CURVE	+
095 AM 243	(N,G)	2.6+	2 9.2+	4 ORL EXPT	NSE	91	444 85	WESTON+ SIGMA TABLE & CURVE	+
095 AM 243	(N,G)	PILE		MUN EXPT	PR/C	29	1243 84	EGIGY+ GAMMA YIELD TBL	+

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
096 CM 243	(N,G)	2.5- 2		ORL EXPT	NSE	63	413 77	BEMIS+ SIGMA & RES-INTEGRAL	+
	) CS								
096 CM 244	(N,G)	1. - 3 3.5+ 6	ARG THEO	NSE	NSE	65	164 78	GIANOTTI SIGMA CURVE	+
096 CM 244	(N,G)								
	) YD	2.0+ 1 3. + 6	LAS EXPT	PR/C	3	1656 71		MOORE+ RESONANCE PARAM.	
096 CM 245	(N,G)	2.0+ 1 3. + 6	LAS EXPT	PR/C	3	1656 71		MOORE+ RESONANCE PARAM.	
	) YD								
096 CM 246	(N,G)	2.0+ 1 3. + 6	LAS EXPT	PR/C	3	1656 71		MOORE+ RESONANCE PARAM.	
	) YD								
096 CM 247	(N,G)	2.0+ 1 3. + 6	LAS EXPT	PR/C	3	1656 71		MOORE+ RESONANCE PARAM.	
	) YD								
096 CM 248	(N,G)	2.0+ 1 3. + 6	LAS EXPT	PR/C	3	1656 71		MOORE+ RESONANCE PARAM.	
	) YD								

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
098 CF 252	(N,G)	2.5- 2		ORL EXPT	NSE	37	228 69	HALPERIN+ SIGMA & RES-INTEGRAL	+
	) CS								

ELEMENT Z S A	QUANTITY	ENERGY(EV)		LAB TYPE	DOCUMENTATION			COMMENTS	DATA
		MIN	MAX		REF	VOL	PAGE		
099 ES 253 (N,G	) YD	PILE		ANL EXPT	NP/A	96	440 67	FIELDS+ ES-254M ISOMER	
099 ES 254 (N,G	) CS	2.5- 2		ORL EXPT	NSE	90	298 85	HALPERIN+ SIGMA VALUE	+