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BIBLIOGRAPHIC INDEX TO PHOTONUCLEAR REACTION DATA (1955-1992)

October 1993

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日本原子力研究所
Japan Atomic Energy Research Institute

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Bibliographic Index to Photonuclear Reaction Data (1955-1992)

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(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 bibliograhpic 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

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* Data Engineering, Inc.

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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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＊（株）データ工学

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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 CINDA[1] 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 Standards[2] and the data index published regularly in Russia[3]. 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.

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:

Code	Description
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.

examples:

Code		Description
(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:

Code	Description
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(^{3}He) (H), and alpha particle(A)

Acknowledgement

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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	^{3}He (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	^{3}He (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, Cambera, 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	Centrede 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-TekhnicheskijInst., 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 Politekhnicheskij Inst., Tomsk, Russia
TRM	Bhabha Atomi. Res. Centre, India
UBC	University of British Columbia, Vancouver, Canada
UEN	University of Erlargen-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
REVW	review

List of the Index to Photonuclear Reaction Data

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
MANY	(G,A)	YD	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)	YD	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	ZP	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)	CS	NDG		ISL	EXPT	PR	146	852	66	BEN-DAVID+ EFFECTIV.SIGMA TBL	+
MANY	(G,G)	XX	NDG		ISL	EXPT	PR/C	2	2001	70	SCHLESINGER+ RADIATION WIDTH	
MANY	(G,G)	YD	NDG		USA	EXPT	NP	35	472	62	BOOTH+ MEAN LIFETIME OF LEVEL	
MANY	(G,G)	YD	NDG		ISR	EXPT	PR	133	B684	64	ARAD+ NEUT.-CAPT.GAMMA SOURCE	
MANY	(G,G)	YD	5. +69	+ 6	USA	EXPT	PR	179	1153	69	RAMCHANDRAN+ LEVEL PARAM.	
MANY	(G,INELASTIC)		NDG			CCMP	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)	AD		2.2+ 7	BZL	EXPT	NP	23	144	61	TAGLIABUE+ DIFF.SIGMA CURVE	+
MANY	(G,N)	AD	3.4+ 7		AUL	EXPT	NP/A	53	545	64	ALLUM+ ANGL.DISTRIBUT.CURVE	+
MANY	(G,N)	AD	2.2+ 7		CAN	EXPT	CJP	46	1823	68	JURY+ ANGULAR DIST.	
MANY	(G,N)	AD	NDG		CCP	THEO	SNP	15	143	72	AKHIEZER+ CAL. DIFF.SIGMA CURVE	+
MANY	(G,N)	CS	NDG		PEN	EXPT	PR	104	178	56	HARTLEY+ SIGMA TBL	+
MANY	(G,N)	CS	7. + 6	4.0+ 7	NBS	EXPT	PR	112	554	58	FULLER+ RELATIVE SIGMA CURVE	+
MANY	(G,N)	CS	5.5+ 7	8.5+ 7	RPI	EXPT	PR	175	1330	68	KAUSHAL+ SIGMA CURVE & TBL	+
MANY	(G,N)	DD	4.0+ 7	3.5+ 8	ORL	THEO	PR	182	1035	69	GABRIEL+ DOUBLE DIFF.SIGMA	+
MANY	(G,N)	XX		2.5+ 7	USA	THEO	PR	99	1620	55	RAND CAL.ABSORPTION ENERGY	
MANY	(G,N)	XX	NDG		ANL	EVAL	PR	120	1305	60	HUIZENGA+ ISOMER RATIO	
MANY	(G,N)	XX	NDG		PEN	EXPT	PR	118	1302	60	GELLER+ NEUTRON SEPARATION ENERGY	
MANY	(G,N)	XX		3.0+ 7	AUL	EXPT	NP	37	449	62	CARVER+ ISOMER RATIO	
MANY	(G,N)	XX	NDG		GER	REVW	NP/A	358	307	81	SCHOCH	
MANY	(G,N)	YD		3.1+ 7	YUG	EXPT	NP	7	296	58	MIHAILOVIC+ HALF-LIFE OF PRODUCT	
MANY	(G,N)	YD	NDG		CAN	EXPT	CJP	36	407	58	CHIDLEY+ PHOTONEUTRON THRESHOLD	
MANY	(G,NP)	CS	3.2+ 8		MIT	EXPT	PR	119	348	60	STEIN+ Z DEPENDENCE OF SIGMA	+
MANY	(G,P)	AD		8. + 6	CAN	EXPT	CJP	41	871	63	MICHELL+ ANGL.YIELD	
MANY	(G,P)	AD	NDG		TOK	REVW	NP/A	446	241	85	HOMMA	
MANY	(G,P)	CS	5.0+ 8		GER	EXPT	NP/A	358	367	81	ARENDS+ SIGMA CURVE	+
MANY	(G,P)	ED	NDG		FR	THEO	NP/A	72	305	65	SHODA CAL/COMPIL.SIGMA CURVE	+
MANY	(G,P)	XX	NDG		GER	REVW	NP/A	358	307	81	SCHOCH	
MANY	(G,PION)	AD	4.0+ 8	7.0+ 8	CCP	EXPT	SNP	19	153	74	DUDKIN+ DIFF.SIGMA TBL	+
MANY	(G,PION)	CS	NDG		CCP	THEO	SNP	6	85	68	GOVORKOV CAL.TOTAL SIGMA	+
MANY	(G,PION)	YD	1.7+ 8		NBS	EXPT	PR	140	B897	65	SCHRACK NEUTRAL PION PRODUCT.	
MANY	(G,PION)	YD	5.0+ 8		CCP	EXPT	SNP	14	18	72	GONCHAROV+ YIELD CURVE	
MANY	(G,PN)	AD	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	ZP/A	300	193	81	SCHUMACHER+ 90DEG.DIFF.SIGMA	+
MANY	(G,TOTAL)	CS	1.5+ 7	3.0+ 7	NBS	EXPT	PR	137	B576	65	WYCKOFF+ TOTAL SIGMA CURVE	+
MANY	(G,TOTAL)	CS	1.2+ 5	1.1+ 7	CAN	EXPT	CJP	49	1167	71	HENRY+ TOT.PHOTO SIGMA TABLE	+
MANY	(G,TOTAL)	CS	3.0+ 7	1.4+ 8	SAC	EXPT	NC/A	76	147	83	BERGERE+ INTEG.SIGMA PLOT	
MANY	(G,TOTAL)	XX	3.6+ 5	1.3+ 6	IND	EXPT	NIM	106	317	73	GOSWAMI+ ATTENUATION COEFF.	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
MANY	(G,X)	CS	NDG		USA	THEO	PR	97	122	55	LEVINGER BREM-WEIGHTED SIGMA TBL	+
MANY	(G,X)	CS	1.0+ 8	1.2+ 9	CCP	EXPT	SNP	9	673	69	NOGA+ NA-24 PRODUCT.SIGMA	+
MANY	(G,X)	CS	NDG		BUR	THEO	NIM	104	73	72	HLA+ CAL.K-SHELL SIGMA CURVE	+
MANY	(G,X)	CS	2. +12	4.5+12	CCP	EXPT	SNP	17	356	73	VARTAPETYAN+ SIGMA BL	+
MANY	(G,X)	CS	5.0+ 7	1. + 9	CCP	THEO	NP/A	231	462	74	BARASHENKOV+ SIGMA CURVE	+
MANY	(G,X)	CS	8. + 6	3.0+ 7	SAC	EXPT	NP/A	219	39	74	LEPRETRE+ SIGMA	+
MANY	(G,X)	CS	2.0+ 8	8.0+ 8	SWD	COMP	ZP/A	281	53	77	JONSSON+ EXP.&CAL. SIGMA	+
MANY	(G,X)	CS		4.5+ 9	CCP	COMP	SNP	49	951	89	AMROYAN+ PHOTOSPALLATION PRODUCT	+
MANY	(G,X)	XX	NDG		BRG	THEO	PR	99	1053	55	GOLDEMBERG+ SHELL EFFECT	
MANY	(G,X)	XX	NDG		USA	EVAL	PR	110	143	58	OKAMOTO Q MOMENT & RESONANCE WIDTH	
MANY	(G,X)	YD	3.2+ 8		MIT	EVAL	PR	97	1327	55	HALPERN+ REACTION YIELD	
MANY	(G,X)	YD	3.2+ 8		MIT	EVAL	PR	97	1325	55	DEBS+ REACTION YIELD	
MANY	(G,X)	YD	2.3+ 7		GER	EXPT	ZP	165	99	61	KREHBIEL+ SHORT LIVED ISOMER PROD.	
MANY	(G,X)	YD	6.6+ 6		MCM	EXPT	PR/C	13	1552	76	ROBERTSON+ DOUBLE PAIR PRODUCT.	
MANY	(G,XN)	CS	8. + 6	3.0+ 6	SAC	EXPT	NP/A	227	513	74	VEYSSIERE+ SIGMA CURVE	+
MANY	(G,2N)	CS	8. + 6	3.0+ 7	SAC	EXPT	NP/A	219	39	74	LEPRETRE+ SIGMA	+
MANY	(G,2N)	CS	8. + 6	3.0+ 6	SAC	EXPT	NP/A	227	513	74	VEYSSIERE+ SIGMA CURVE	+
MANY	(G,2P)	AD	NDG		TOK	REVW	NP/A	446	241	85	HOMMA	
MANY	(E,ABSORPTION)	XX	3.4+ 4		GER	EXPT	ZP	196	311	66	KUNZ ENERGY LOSS TABLE	+
MANY	(E,ELASTIC)	CS	4.2+ 7		STF	EXPT	PR	129	312	63	GOLDEMBERG+ SIGMA VALUE	+
MANY	(E,ELASTIC)	XX	1.0+ 2	2.0+ 3	GER	THEO	ZP	208	286	68	BUEHRING POLARIZATION	
MANY	(E,G)	YD	2.5+ 6	4.0+ 6	GER	EXPT	ZP	188	303	65	BOURGOIGINE+ Z DEPEND. OF BREMSST	+
MANY	(E,INELASTIC)	AD	NDG		DKE	THEO	PR	134	B945	64	ONLEY+ RELATIVE SIGMA	
MANY	(E,INELASTIC)	CS	4.2+ 7		STF	EXPT	NP	41	461	63	BARBER+ 180DEG.SIGMA TBL	+
MANY	(E,INELASTIC)	DD	2.0+ 8	3.5+ 8	NBS	EXPT	PR/C	27	2492	83	O'CONNELL+ SIGMA CURV	
MANY	(E,INELASTIC)	XX	NDG		FR	REVW	NP/A	358	275	81	LAGET DIFF.SIGMA CURVE	+
MANY	(E,P)	AD	NDG		USA	REVW	NP/A	358	229	81	HANNA DIFF.SIGMA CURVE	+
MANY	(E,SCATTERING)	AD	1.8+ 8		STF	EVAL	PR	101	1131	56	HAHN+ DIFF.SIGMA CURVE	+
MANY	(E,SCATTERING)	AD	NDG		CCP	THEO	SNP	4	583	67	KABACHNIK+ DIFF.SIGMA CURVE	+
MANY	(E,SCATTERING)	XX	NDG		USA	THEO	ZP/A	341	275	92	SONG+ OFF-SHELL EFFECT	
MANY	(E,X)	AD	5. + 4	1.5+ 7	NBS	EVAL	PR	112	1679	58	FANO+ BREMSSTRAHLUNG SIGMA	+
MANY	(E,X)	CS	NDG		GER	THEO	ZP	216	241	68	LOTZ IONIZAT.SIGMA FOR H TO CA	+
MANY	(E,X)	CS	NDG		GER	THEO	ZP	220	466	69	LOTZ Z=21 TO 30,IONIZAT.SIGMA	+
MANY	(N,ABSORPTION)	CS	2.4+ 4		ORL	EXPT	NP	20	202	60	SCHMITT+ ABSOL.ABSORPT.SIGMA	+
MANY	(N,G)	CS	2.5+ 4		ORL	EXPT	PR	107	504	57	MACKLIN+ ACTIVAT.SIGMA BY SB-BE	+
MANY	(N,G)	CS	NDG		USA	THEO	NSE	2	334	57	GREEBLER+ FOR FP NUCLIDES	+
MANY	(N,G)	CS	2.5+ 4		CAL	EXPT	PR	112	226	58	BOOTH+ ACTIVATION SIGMA TBL	+
MANY	(N,G)	CS	1.5+ 5	6.2+ 6	WAS	EXPT	PR	116	927	59	JOHNSRUD+ ACTIVATION SIGMA	+
MANY	(N,G)	CS	1.4+ 7		HAR	EVAL	NP	11	646	59	LANE+ ANALYSIS OF N-CAPT.REACTION	+
MANY	(N,G)	CS	1.8+ 8	1.0+ 9	CAL	EXPT	PR	120	556	60	DIVEN+ SIGMA TBL	+
MANY	(N,G)	CS	2.5- 2		IND	EXPT	NP	20	183	60	HANS+ ISOMER PRODUCT.SIGMA TBL	+
MANY	(N,G)	CS	7. + 3	1.7+ 5	ORL	EXPT	PR	122	182	61	GIBBONS+ AVERAGE CAPT.SIGMA	+
MANY	(N,G)	CS	2.5- 2		ANL	EXPT	NSE	9	132	61	MEADOWS+ SIGMA VALUE	+
MANY	(N,G)	CS	2.5- 2		IND	EXPT	NP	36	542	62	MANGAL+ ACTIVAT.SIGMA VALUE	+
MANY	(N,G)	CS	2.5- 2		USA	EXPT	NSE	12	115	62	GARRISON+ FP NUCLEI	+
MANY	(N,G)	CS	2.5- 2		USA	EXPT	PR	129	769	63	KEISCH ISOMERIC SIGMA	+
MANY	(N,G)	CS	3.0+ 4	6.5+ 4	ORL	EXPT	PR	129	2695	63	MACKLIN+ SIGMA TBL	+
MANY	(N,G)	CS	2.5- 2		IND	EXPT	NP	41	372	63	MANGAL+ ISOMERIC SIGMA VALUE	+
MANY	(N,G)	CS	1.0+ 4	5.0+ 4	ORL	EXPT	NP	43	353	63	MACKLIN+ N-CAPT.SIGMA CURVE	+
MANY	(N,G)	CS	3.0+ 4	1.7+ 5	CCP	EXPT	SNP	4	204	67	KONONOV+ SIGMA CURVE	+
MANY	(N,G)	CS	3.0+ 4	2.2+ 5	ORL	EXPT	PR	159	1007	67	MACKLIN+ SIGMA TBL	+

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

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

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
001	H	000	(G,PION)	AD	2.2+ 8	3.9+ 8	STF	EXPT	PR	113	1330	59	LAZARUS+ POSIT.PION PRODUCT.SIGMA	+
001	H	000	(G,PION)	AD	6.0+ 8	1.1+ 9	USA	EXPT	PR	113	305	59	BLOCH PION PAIR PRODUCT.	+
001	H	000	(G,PION)	AD	2.0+ 8		USA	EXPT	PR	132	2656	63	WALKER+ DIFF.SIGMA TBL	+
001	H	000	(G,PION)	AD	1.6+ 8	2.3+ 8	STF	EXPT	PR	132	830	63	BAZIN+ DIFF.SIGMA TBL	+
001	H	000	(G,PION)	AD	6. + 8	1.2+ 9	USA	EXPT	PR	130	2089	63	DIEBOLD DIFF.SIGMA	+
001	H	000	(G,PION)	AD	3.2+ 8		LEB	EXPT	SNP	25	43	77	ALEKSANDROV+ NEUTRAL-PION PROD.	+
001	H	000	(G,PION)	CS	3.4+ 8	6.0+ 8	STF	EXPT	PR	105	1369	57	FRIEDMAN+ PION PAIRS PRODUCTION	+
001	H	000	(G,PION)	CS		1.1+ 9	COR	EXPT	PR	119	811	60	CHASAN+ MULTIPLE MESON PRODUCT.	+
001	H	000	(G,PION)	CS	1.5+ 8	1.8+ 8	LRL	EXPT	PR	136	B1465	64	MCPHERSON+ SIGMA VALUE	+
001	H	000	(G,PION)	CS	1.5+10	3.0+10	CCP	EXPT	SNP	33	540	81	ALEKSANDROV+ PION PRODUCT.SIGMA	+
001	H	000	(G,PION)	DD		6.0+ 8	USA	EXPT	PR	108	1101	57	BLOCH+ PION-PAIR PRODUCT.	+
001	H	000	(G,PION)	YD	NDG		DEN	THEO	PR	103	1108	56	CUTKOSKY+ PION PAIR PRODUCT.SIGMA	+
001	H	000	(G,PION)	YD	2.4+ 8	3.8+ 8	STF	EXPT	PR	117	835	60	TAYLOR+ POSIT.PION PRODUCT.	
001	H	000	(G,PION 0)	AD	1.8+ 8	2.2+ 8	UI	EXPT	PR	98	211	55	KOESTER+ DIFF.SIGMA CURVE	+
001	H	000	(G,PION 0)	AD	2.4+ 8	4.8+ 8	COR	EXPT	PR	107	577	57	MCDONALD+ FORWARD ANGL.PRODUCT.	+
001	H	000	(G,PION 0)	AD	1.6+ 8	2.2+ 8	CCP	EXPT	NP	12	327	59	GOLDANSKY+ COEFF. ANGULAR DIST.	
001	H	000	(G,PION 0)	AD	2.3+ 8	5.0+ 8	GER	EXPT	ZP	268	43	74	GENZEL+ DIFF.SIGMA CURVE	+
001	H	000	(G,PION 0)	AD	2.3+ 8	5.0+ 8	GER	EXPT	ZP	268	37	74	GENZEL DIFF.SIGMA CURVE	+
001	H	000	(G,PION 0)	AD	2.3+ 8	5.0+ 8	GER	EXPT	ZP	268	27	74	JAECKEL+ DIFF.SIGMA CURVE	+
001	H	000	(G,PION 0)	AD	2.3+ 8	5.0+ 8	GER	EXPT	ZP	268	19	74	HILGER+ DIFF.SIGMA CURVE	+
001	H	000	(G,PION 0)	CS	1.5+ 8	2.4+ 8	UI	EXPT	PR	98	210	55	MILIS+ TOT.SIGMA CURVE	+
001	H	000	(G,PION 0)	CS	1.5+ 8	2.4+ 8	UI	EXPT	PR	105	1900	57	KOESTER+ SIGMA TBL & CURVE	+
001	H	000	(G,SCATTERING)	CS	NDG		LRL	EVAL	PR	128	2686	62	MITTLEMAN+ COHERENT SCATT.	
001	H	000	(G,SCATTERING)	CS	3.0+ 5	1.3+ 6	IND	THEO	NSE	85	426	83	UMESH+ INCOHERENT SCTT.SIGMA TBL	+
001	H	000	(G,X)	AD	1.1+ 9	1.2+ 9	USA	EXPT	PR	135	B830	64	PECK DIFF.SIGMA CURVE	+
001	H	000	(E,E)		5.4+ 8	7.3+ 8		EXPT	PR/C	35	1063	87	O'CONNELL+	
001	H	000	(E,ELASTIC)	CS	2.0+ 0	9.0+ 0	ANL	THEO	PR	123	174	61	SMITH+ TOTAL ELSASTIC SIGMA	+
001	H	000	(E,G)	YD	5.0+ 8	5.5+ 8	STF	EXPT	PR	102	522	56	BERNSTEIN+ BREMSSTRAHL.YIELD	
001	H	000	(E,INELASTIC)	CS	NDG		USA	THEO	PR	130	206	63	MCCOYD+ INELASTIC BORN SIGMA	+
001	H	000	(E,INELASTIC)	CS	7.3+ 8		NBS	EXPT	PRL	53	1627	84	O'CONNELL+ AT 37.1DEG.,SIGMA CURV	
001	H	000	(E,INELASTIC)	YD	6.0+ 8		STF	EXPT	PR	105	731	57	YODH+ PION PRODUCTION	
001	H	000	(E,PION)	YD	6.0+ 8		STF	EXPT	PR	102	1392	56	PANOFSKY+ PION PRODUCT.	
001	H	000	(E,SCATTERING)	AD	2.5+ 4		GER	EXPT	ZP	181	413	64	GEIGER SCATT. BY MOLECULE H	
001	H	000	(E,SCATTERING)	CS	3.1+ 0	1.2+ 1	USA	EXPT	PR	124	135	61	NEYNABER+ LOE-ENERGY SCATT.SIGMA	+
001	H	000	(E,SCATTERING)	XX	NDG		CLA	THEO	PR	124	1468	61	SCHWARTZ ELASTIC SCATT.	
001	H	001	(G,ABSORPTION)	CS	1.2+ 7	3.9+ 7	CCP	EXPT	SNP	21	289	75	BELOUSOV+ TOTAL SIGMA CURVE	+
001	H	001	(G,ELASTIC)	AD	NDG		COR	EXPT	PR	124	909	61	DEWIRE+ SIGMA CURVE & TBL	+
001	H	001	(G,ELASTIC)	AD	NDG		COR	THEO	PR	124	912	61	CONTOGOURIS ELASTIC SCATT.SIGMA	+
001	H	001	(G,ELASTIC)	AD	2.1+ 8	2.5+ 8	CCP	EXPT	SNP	3	791	66	BAZHANOV+ DIFF.SIGMA CURVE & TBL	+
001	H	001	(G,ELASTIC)	CS	7.0+ 7	1.1+ 8	CCP	EXPT	SNP	21	355	75	BARANOV+ 90DEG. SIGMA CURVE	+
001	H	001	(G,G)	AD	2.4+ 8	4.4+ 8	GER	EXPT	ZP/A	279	399	76	GENZEL+ DIFF.SIGMA TABLE	+
001	H	001	(G,INELASTIC)	AD	1.3+ 8		GER	EXPT	NP/A	514	621	90	ROSE+ QUASI-FREE COMPTON SCATT.	+
001	H	001	(G,KAON +)	AD	1.3+ 9	1.5+ 9	GER	EXPT	ZP	239	1	70	BLECKMANN+ DIFF.SIGMA TABLE	+
001	H	001	(G,KAON +)	AD		1.4+ 9	SAC	THEO	PR/C	42	108	90	ADELSECK+ DIFF.SIGMA CURVE	+
001	H	001	(G,MESON)	AD		4.0+ 8	USA	EVAL	PR	101	1159	56	WATSON+ DIFF.SIGMA CURVE	+
001	H	001	(G,MESON)	AD	5.0+ 8		USA	EXPT	PR	109	518	58	SMYTHE+ DIFF.SIGMA CURVE	+
001	H	001	(G,MESON)	AD	9.5+ 8	1.0+ 9	USA	EXPT	PR	119	1710	60	BRODY+ DIFF.SIGMA VALUE	+
001	H	001	(G,MESON)	AD	1.5+ 8	5.0+ 8	GER	EVAL	ZP	182	76	64	SCHMIDT PION PRODUCT.DIFF.SIGMA	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
001	H	001	(G,MESON	) AD	NDG		GER	THEO	ZP	195	461	66	LOCHER+ DIFF.SIGMA CURVE	+
001	H	001	(G,MESON	) DD	3.4+ 8		LRL	EXPT	PR	122	1631	61	KENNY+ DOUBL.DIFF.SIGMA TBL/CURVE	+
001	H	001	(G,MESON	) XX	NDG		GER	EVAL	ZP	202	452	67	SCHWELA+ MULTIPOLE EVALUATION	
001	H	001	(G,MESON	) XX	NDG		ITY	THEO	ZP	224	432	69	JUREWICZ MULTIPOLE AMPLITUDE	
001	H	001	(G,MESON	) XX	NDG		ITY	THEO	ZP	223	425	69	JUREWICZ DISPERSION ANALYSIS	
001	H	001	(G,MESON	) XX	NDG		GER	EVAL	ZP	221	71	69	SCHWELA+ MULTIPOLE EVALUATION	
001	H	001	(G,MESON	) XX	6.0+ 8	1.2+ 9	GER	EXPT	ZP/A	277	311	76	BLUEM+ POLARIZATION OF PROTON	
001	H	001	(G,MESON	) XX	9.0+ 8	1.4+ 9	GER	EXPT	ZP/A	278	275	76	BLUEM+ ANGL.DEPEND. OF POLARIZAT.	
001	H	001	(G,MESON	) YD	NDG		GER	THEO	ZP	202	477	67	BOECKMANN+ PION PROD. BY POLAR.G.	
001	H	001	(G,MESON	) YD	NDG		GER	THEO	ZP	252	219	72	KROLL	
001	H	001	(G,P	)	1.9+ 8	4.3+ 8		EXPT	PR/C	35	1828	87	KANAZAWA+	
001	H	001	(G,P	) AD	NDG		CCP	THEO	SNP	4	628	67	LAZARENKO DIFF.SIGMA CURVE	+
001	H	001	(G,P	) AD	2.5+ 8	3.5+ 8	SAC	EXPT	NP/A	237	447	75	ARGAN+ SIGMA CURVE & TBL	+
001	H	001	(G,P	) ED	1.9+ 8	4.3+ 8	TOK	EXPT	PRL	52	2536	84	HOMMA+ AT 30DEG.,DIFF.SIGMA CURV	
001	H	001	(G,P	) XX	7.2+ 8		USA	EXPT	PR	129	2259	63	KENEMUTH+ POLARIZATION	
001	H	001	(G,PION +	) AD	2.0+ 8	2.6+ 8	GER	EXPT	ZP	175	34	63	ALTHOFF DIFF.SIGMA TABLE	+
001	H	001	(G,PION +	) AD	2.0+ 8	4.3+ 8	GER	EXPT	ZP	186	1	65	FREYTAG+ DIFF.SIGMA TABLE	+
001	H	001	(G,PION +	) AD	2.2+ 8	4.3+ 8	GER	EXPT	ZP	253	38	72	FISCHER+ DIFF.SIGMA TABLE	+
001	H	001	(G,PION	) AD	5.0+ 8	9.4+ 8	USA	EXPT	PR	111	622	58	VETTE NEUTRAL PION PRODUCT.	+
001	H	001	(G,PION	) AD	4.1+ 8		COL	THEO	PR	109	515	58	LEVINE PION PAIR PRODUCT.	+
001	H	001	(G,PION	) AD	3. + 5	9.5+ 5	COR	EXPT	PR	110	1208	58	DEWIRE+ NEUTRAL PION PRODUCT.	+
001	H	001	(G,PION	) AD	3.5+ 8	9.0+ 8	COR	EXPT	PR	110	1211	58	HEINBERG+ POSITIV.PION PRODUCT.	+
001	H	001	(G,PION	) AD	7.0+ 8	1.1+ 9	USA	EXPT	PR	112	2053	58	BINGHAM+ NEUTRAL PION PRODUCT.	+
001	H	001	(G,PION	) AD	9.0+ 8	1.2+ 9	COR	EXPT	PR	119	1381	60	JACKSON+ DIFF.SIGMA TBL	+
001	H	001	(G,PION	) AD	2.5+ 8	1. + 9	COR	EXPT	PR	117	1364	60	BERKELMAN+ NEUTRAL PION TBL/CURVE	+
001	H	001	(G,PION	) AD	1.2+ 9		TOH	THEO	PR	123	2157	61	ITABASHI CAL.DIFF.SIGMA	
001	H	001	(G,PION	) AD	3.0+ 8	8.0+ 8	LRL	THEO	PR	125	734	62	MORAVCSIK NEUTRAL PION PRODUCT.	+
001	H	001	(G,PION	) AD	1.6+ 7	1.9+ 7	GLS	EXPT	PR	125	378	62	LEWIS+ DIFF.SIGMA VALUE	+
001	H	001	(G,PION	) AD	1.7+ 8	2.3+ 8	CCP	EXPT	SNP	7	360	68	ADAMOVICH+ DIFF.SIGMA TBL	+
001	H	001	(G,PION	) AD		2.0+ 8	CCP	EXPT	SNP	7	643	68	ADAMOVICH+ DIFF.SIGMA CURVE	+
001	H	001	(G,PION	) AD	3.0+ 8	4.2+ 8	SAC	EXPT	NP/A	424	383	84	FAURE+ ANG.DIST.SIGMA TBL	
001	H	001	(G,PION	) CS		1. +12	CCP	THEO	SNP	5	902	67	GERASIMOV PHOTOABSORPT.SIGMA	+
001	H	001	(G,PION	) CS	1.7+ 8	2.3+ 8	CCP	EXPT	SNP	11	369	70	ADAMOVICH+ SIGMA TBL	+
001	H	001	(G,PION	) CS		3.0+ 8	SAS	THEO	PR/C	44	1768	91	BERGSTROM+ ANALYSIS ON EXPERIMENT	
001	H	001	(G,PION	) DD	NDG		STF	EXPT	PR	110	1155	58	PANOFSKY+ PHOTOPION FORM FACTOR	
001	H	001	(G,PION	) XX	4.5+ 8	6.0+ 8	USA	EXPT	PR	122	1338	61	MALOY+ POLARIZATION OF RECOIL P	
001	H	001	(G,PION	) XX	2.1+ 8	2.7+ 8	CCP	EXPT	SNP	13	603	71	KUZNETSOV+ ASYMMETRY	
001	H	001	(G,PION	) YD	NDG		USA	THEO	PR	122	665	61	HOFF PION PRODUCTION	
001	H	001	(G,PN	)	1.9+ 8	4.3+ 8		EXPT	PR/C	35	1828	87	KANAZAWA+	
001	H	001	(G,PION 0	) AD	2.0+ 8	4.4+ 8	GER	EXPT	ZP	245	225	71	FISCHER+ NEUTRAL PION PROD.SIGMA	+
001	H	001	(G,PION 0	) AD	2.0+ 8	4.4+ 8	GER	EXPT	ZP	245	253	71	BRAUNSCHWEIG+ NEUTRAL PION PRODUCT	+
001	H	001	(G,PION 0	) AD	2.0+ 8	4.4+ 8	GER	EVAL	ZP	245	272	71	BRAUNSCHWEIG+ DATA COMPARISON	
001	H	001	(G,PION 0	) AD	8.8+ 8	1.2+ 9	CCP	EXPT	SNP	53	448	91	AVAKYAN+ PROTON POLARIZATION	
001	H	001	(G,PION 0	) CS	1.7+ 8	3.4+ 8	MIT	EXPT	PR	97	188	55	GOLDSCHMIDT-CLERMONT+ TOT.SIGMA	+
001	H	001	(G,PION 0	) CS	NDG		GER	THEO	ZP	157	30	59	HOEHLER+ CAL.SIGMA VALUE	+
001	H	001	(G,PION 0	) XX	NDG		GER	THEO	ZP	159	77	60	DIETZ+ PHOTOAMPLITUDE	
001	H	001	(G,PION 0	) XX	NDG		GER	THEO	ZP	188	199	65	MUELLENSIEFEN POLARIZATION	
001	H	001	(G,PION 0	) XX	NDG		GER	THEO	ZP	188	238	65	MUELLENSIEFEN POLARIZATION	
001	H	001	(G,PION 0	) YD	3.0+ 8	5.0+ 8	USA	EXPT	PR	103	1549	56	KECK+ NEUTRAL PION PRODUCT.	
001	H	001	(G,PION 0	) YD	2.3+ 8		GER	EVAL	ZP	211	360	68	MUELLENSIEFFEN MULTIPOLE ANALYSYS	
001	H	001	(G,PION 0	) YD	NDG		CCP	THEO	SNP	51	1026	90	TABACHENKO+ NEUTRAL PION PRODUCT.	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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	CAPPS 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	MIT	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	BRATASHEVSKII+ POLARIZATION OF P	
001	H	001	(G,X)	XX	5.0+ 8	1.0+ 9	ITY	EXPT	PR	126	1181	62	MENCUCCINI+ 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	B1219	65	BARSHAY+ K+ MESON PRODUCT.	
001	H	001	(G,X)	YD	NDG		STF	THEO	PR	138	B1312	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	B57	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		1.0+ 1	ANL	EXPT	PR	125	553	62	SMITH+ ATOMIC SCATT.SIGMA	+
001	H	001	(E,INELASTIC)	AD	1.2+ 9		CCP	EXPT	SNP	15	361	72	TITOV+ DIFF.SIGMA TABLE	+
001	H	001	(E,MESON)	XX	NDG		GER	EVAL	ZP	202	452	67	SCHWELA+ MULTIPOLE EVALUATION	
001	H	001	(E,MESON)	XX	NDG		GER	EVAL	ZP	221	71	69	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	OHLSEN+ 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)	YD	1.0+ 9	1.2+ 9	CCP	EXPT	SNP	13	304	71	TITOV+ FORM FACTOR	
001	H	001	(E,PION 0)	XX	NDG		USA	THEO	NP/A	509	653	90	LOURIE RECOIL POLARIZATION	
001	H	001	(E,SCATTERING)	AD	1.0+ 8	2.4+ 8	STF	EXPT	PR	98	217	55	HOFSTADTER+ DIFF.SIGMA CURVE	+
001	H	001	(E,SCATTERING)	AD	1.4+ 8		STF	EXPT	PR	105	1356	57	TAUTFEST+ DIFF.SIGMA TBL	+
001	H	001	(E,SCATTERING)	AD	8.3+ 8	1.4+ 9	COR	EXPT	PR	130	2061	63	BERKELMAN+ DIFF.SIGMA	
001	H	001	(E,SCATTERING)	AD	NDG		COR	EVAL	PR	130	1549	63	KIRSON+ FORM FACTOR	
001	H	001	(E,SCATTERING)	CS	1.9+ 8		STF	EVAL	PR	104	1494	56	MCALLISTER ABSOLUTE SIGMA	
001	H	001	(E,SCATTERING)	CS		5.0+ 8	STF	EVAL	PR	106	561	57	DRELL+ PROTON POLARIZABILITY	
001	H	001	(E,SCATTERING)	CS	0. + 0	1.4+ 7	LRL	THEO	PR	121	1112	61	LIPPMANN+ TRIPLET SIGMA CURVE	+
001	H	001	(E,SCATTERING)	CS	3.0+ 8	5.1+ 8	STF	EXPT	PR	135	B570	64	ALLTON SIGMA TBL	+
001	H	001	(E,SCATTERING)	DD	4.2+ 7		STF	EXPT	PR	128	812	62	PETERSON+ DDX SIGMA CURVE	+
001	H	001	(E,X)	YD	3.8+ 8		ITY	EXPT	PR	139	B701	65	FABBRO+ 2BODY EFF.-MASS SPECTRA	
001	H	001	(N,G)	AD	1.9+ 8		INU	EXPT	PR/C	31	309	85	MEYER+ SIGMA RATIO	
001	H	001	(N,G)	AD	1.9+ 7	5.0+ 7	KFK	EXPT	NP/A	530	331	91	FINK+ DIFF.SIGMA TABLE	+
001	H	001	(N,G)	CS	2.5- 2		USA	EXPT	PR	114	1561	59	STOOKSBERRY+ SIGMA VALUE	+
001	H	001	(N,G)	CS	1.4+ 7		YUG	EXPT	PR	124	1947	61	CERINEO+ SIGMA VALUE	+
001	H	001	(N,G)	CS	2.5- 2		UK	EXPT	NP/A	74	497	65	COX+ SIGMA VALUE	+
001	H	001	(N,G)	CS	2.5- 2		USA	EXPT	PR/C	8	1179	73	ARNOLD+ DOUBLY RADIAT.CAPT.SIGMA	+
001	H	001	(N,G)	CS	2.5- 2		GER	EXPT	ZP/A	274	349	75	WUEST+ DOUBLY RADIAT.SIGMA	+
001	H	001	(N,G)	CS	3.7+ 7	7.2+ 7		EXPT	PL/B	82	212	79	BOSMAN+ TOTAL CAPTURE SIGMA	
001	H	001	(N,G)	XX	2.5- 2		AML	THEO	PR/C	9	1790	74	MCKELLAR ANALYSIS	
001	H	001	(N,G)	XX	2.5- 2		AML	THEO	PR/C	11	349	75	LASSEY+ POLARIZATION	
001	H	001	(N,G)	XX	2.5- 2		CCP	EXPT	NP/A	352	181	81	VESNA+ CIRCULAR POLARIZATION	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
001	H	001	(N,G)	XX	2.7+ 8		CAN	REVW	NP/A	446	351	85	CANERON	
001	H	001	(N,G)	XX	NDG		USA	THEO	NP/A	515	139	90	BURICHENKO+ POLARIZATION OF GAMMA	
001	H	001	(N,G)	YD	2.5- 2		CRC	EXPT	NP/A	50	209	64	BARTHOLOMEW+ LEVEL SPIN	
001	H	001	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	180	569	72	KAMP+ NEUT.-CAPT. GAMMA	
001	H	001	(N,P)			6.1+ 7	LVN	EXPT	PR/C	35	402	87	NINANE+	
001	H	001	(N,P)		6.0+ 6	1.3+ 7	WIS	EXPT	PR/C	35	1246	87	SODERSTRUM+	
001	H	001	(D,G)	AD	7.5+ 6		MCM	EXPT	PR/C	38	2503	88	VETTERLI+ ANGULAR DIST.SIGMA	+
001	H	001	(D,G)	CS	9.5+ 7		INU	EXPT	PR/C	37	1	88	PITTS+	
001	H	001	(D,G)	XX	2.9+ 7	4.5+ 7	SWT	EXPT	NP/A	453	220	86	JOURDAN+ ANALYZING POWER	
001	H	002	(G,D)	AD	4.0+ 7	1.2+ 8	GER	THEO	PR/C	7	1003	73	MILLER+ DIFF.SIGMA CURVE	+
001	H	002	(G,D)	YD	NDG		ANL	THEO	PR/C	41	2400	90	HOLT	
001	H	002	(G,DISINTEGR.)	AD	6.0+ 7	2.5+ 8	UI	EXPT	PR	101	377	56	WHALIN+ DIFF.SIGMA TBL	+
001	H	002	(G,DISINTEGR.)	AD	1.5+ 8	4.5+ 8	USA	EXPT	PR	101	360	56	KECK+ DIFF.SIGMA TBL/CURVE	+
001	H	002	(G,DISINTEGR.)	AD	1.4+ 8	2.9+ 8	LRL	EXPT	PR	104	1730	56	DIXON+ DIFF.SIGMA TBL & FORMULA	+
001	H	002	(G,DISINTEGR.)	AD	2.0+ 7	1.0+ 8	USA	THEO	PR	108	973	57	AUSTERN+ CAL.SIGMA CURVE	+
001	H	002	(G,DISINTEGR.)	AD	2.0+ 8		USA	EXPT	PR	112	932	58	TATRO+ DIFF.SIGMA TBL	+
001	H	002	(G,DISINTEGR.)	AD	NDG		YAL	THEO	PR	114	1358	59	ZERNIK+ DIFF.SIGMA	+
001	H	002	(G,DISINTEGR.)	AD		8.0+ 7	GER	THEO	ZP	154	513	59	BANERJEE+ CAL.DIFF.SIGMA CURVE	+
001	H	002	(G,DISINTEGR.)	AD	NDG		YAL	THEO	PR	120	1881	60	RUSTGI+ DIFF.SIGMA TBL & CURVE	+
001	H	002	(G,DISINTEGR.)	AD	5.0+ 7	9.0+ 7	USA	EXPT	PR	117	763	60	GALEY DIFF.SIGMA CURVE	+
001	H	002	(G,DISINTEGR.)	AD	5.0+ 8	9.0+ 8	USA	EXPT	PR	121	630	61	MYERS+ DIFF.DISINT.SIGMA CURVE	+
001	H	002	(G,DISINTEGR.)	AD	1.0+ 8	4.2+ 8	GER	EXPT	ZP	202	364	67	KOSE+ DIFF.SIGMA TABLE/CURVE	+
001	H	002	(G,DISINTEGR.)	AD	1.4+ 8	8.3+ 8	SWD	EXPT	ZP/A	276	55	76	DOUGAN+ DIFF.SIGMA TABLE & CURVE	+
001	H	002	(G,DISINTEGR.)	AD	4. + 6	1.0+ 7	CCP	EXPT	SNP	51	769	90	BUKI+ DIFF.SIGMA CURVE	+
001	H	002	(G,DISINTEGR.)	AD	63 +7	71 +7	USA	EXPT	PR/C	45	904	92	DEBEVEC+ DIFF.SIGMA CURVE	+
001	H	002	(G,DISINTEGR.)	CS	2.0+ 7	6.5+ 7	UI	EXPT	PR	98	705	55	ALLEN TOT & DIFF.SIGMA CURVE	+
001	H	002	(G,DISINTEGR.)	CS	1.0+ 8	4.0+ 8	USA	THEO	PR	101	371	56	ZACHARIASEN CAL.SIGMA CURVE	+
001	H	002	(G,DISINTEGR.)	CS	NDG		COR	THEO	PR	104	218	56	WILSON TOTAL MESON PRODUCT.SIGMA	+
001	H	002	(G,DISINTEGR.)	CS	NDG		USA	THEO	PR	107	1025	57	NEWTON NEUTRON-PROTON FORCE	
001	H	002	(G,DISINTEGR.)	CS	6.0+ 7		USA	THEO	PR	106	791	57	BERNSTEIN TOTAL DISINT.SIGMA	
001	H	002	(G,DISINTEGR.)	CS	2.2+ 7	8.0+ 7	USA	THEO	PR	111	272	58	DE SWART+ SIGMA TBL	+
001	H	002	(G,DISINTEGR.)	CS	5.2+ 7	1.5+ 8	USA	THEO	PR	119	1627	60	KRAMER+ CAL.SIGMA	+
001	H	002	(G,DISINTEGR.)	CS	1.0+ 7	1.3+ 8	UK	THEO	NP/A	53	128	64	DONNACHIE+ CAL.SIGMA VALUE/CURVE	+
001	H	002	(G,DISINTEGR.)	CS	1.0+ 7		IND	THEO	NP/A	78	609	66	NAQVI SIGMA TABLE	+
001	H	002	(G,DISINTEGR.)	CS	NDG		AUL	THEO	ZP	209	457	68	KOCEVAR SEMIRELATIVISTIC CAL.	
001	H	002	(G,DISINTEGR.)	CS	NDG		IND	THEO	CJP	49	2211	71	RAGHAVAN+ CAL.SIGMA VALUE	+
001	H	002	(G,DISINTEGR.)	CS	2.0+ 7	3.5+ 7	GER	EXPT	ZP	242	328	71	TIETZE+ 90DEG.DIFF.SIGMA CURVE	+
001	H	002	(G,DISINTEGR.)	CS	NDG		IND	THEO	CJP	55	943	77	ABIDI+ DISINTEGL.SIGMA TABLE	+
001	H	002	(G,DISINTEGR.)	CS	NDG		USA	THEO	CJP	55	158	77	RUSTGI+ BREMST.WEIGHT.SIGMA VAL.	+
001	H	002	(G,DISINTEGR.)	CS		4.5+ 8	CCP	THEO	SNP	53	577	91	BRATKOVSKAYA+ SIGMA CURVE	+
001	H	002	(G,DISINTEGR.)	XX	1.0+ 7	8.0+ 7	UI	EVAL	PR	98	69	55	YAMAGUCHI+ ELECT.DIPOLE SIGMA	
001	H	002	(G,DISINTEGR.)	XX	NDG		USA	THEO	PR	111	1314	58	KAWAGUCHI PROTON POLARIZATION	
001	H	002	(G,DISINTEGR.)	XX	NDG		YAL	THEO	PR	124	1538	61	ZICKENDRAHT+ POLARIZATION	
001	H	002	(G,DISINTEGR.)	XX	NDG		USA	THEO	PR	127	1787	62	SAKITA+ CAL.MATRIX ELEMENT	
001	H	002	(G,DISINTEGR.)	XX	NDG		USA	THEO	PR	127	1800	62		
001	H	002	(G,DISINTEGR.)	XX	NDG		GER	THEO	ZP	198	527	67	BRAESS+ FORM FACTOR	
001	H	002	(G,DISINTEGR.)	XX	2.0+ 8	3.5+ 8	CCP	EXPT	SNP	51	21	90	ZYBALOV+ PROTON POLARIZATION	
001	H	002	(G,DISINTEGR.)	XX	3.1+ 8	4.5+ 8	CCP	EXPT	SNP	52	198	90	AVAKYAN+ PROTON POLARIZATION	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
001	H	002	(G,DISINTEGR.)	XX	2.9+ 8	4.2+ 8	CCP	EXPT	SNP	52	396	90	AVAKYAN+ PROTON POLARIZATION	
001	H	002	(G,KAON -)	ED	NDG		USA	EXPT	PR/C	42	R475	90	GALL+ PHOTON SPECTRA MEASURED.	
001	H	002	(G,MESON)	AD	2.9+ 8	3.5+ 8	USA	THEO	PR	99	254	55	CHAPPELEAR CAL.DIFF.SIGMA CURVE	+
001	H	002	(G,MESON)	AD	5.0+ 8		USA	EXPT	PR	109	518	58	SMYTHE+ DIFF.SIGMA CURVE	+
001	H	002	(G,MESON)	AD	NDG		CCP	THEO	NP/A	67	679	65	BELOUSOV+ NEUT.PI PRODUCT.DIFF.SIG	+
001	H	002	(G,MESON)	CS	1.5+ 8	1.0+ 9	COR	EXPT	PR	120	614	60	WHITE+ NEGATIVE MESON PRODUCT.	+
001	H	002	(G,MESON)	DD	3.4+ 8		LRL	EXPT	PR	122	1631	61	KENNY+ DOUBL.DIFF.SIGMA TBL/CURVE	+
001	H	002	(G,MESON)	YD	NDG		GER	THEO	ZP	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)	AD	2.1+ 7	2.7+ 7	CCP	EXPT	PR	109	1801	58	BARANOV+ DIFF.SIGMA CURVE	+
001	H	002	(G,N)	AD	8.7+ 6		CCP	EXPT	SNP	5	497	67	TUTAKIN ANG.DIST.PARAMETER	
001	H	002	(G,N)	AD	1.0+ 7	9.5+ 7	SAS	EXPT	NP/A	154	482	70	SHIN+ DIFF.SIGMA CURVE	+
001	H	002	(G,N)	AD	4. + 6	2.0+ 7	ALB	EXPT	PR/C	39	1147	89	KASSAEE+ DIFF.SIGMA RATIO	
001	H	002	(G,N)	AD	NDG		MNZ	THEO	PR/C	42	846	90	ALVARADO+ CALC.DIFF. SIGMA CURVE	+
001	H	002	(G,N)	AD	1.8+ 7	3.0+ 7	UK	EXPT	NP/A	515	125	90	KELLIE+ ANGULAR COEFF.	
001	H	002	(G,N)	CS	2. + 6	4.3+ 8	USA	COMP	NP/A	112	503	68	LUCAS+ SIGMA CURVE	+
001	H	002	(G,N)	CS	NDG		BLG	THEO	NP/A	368	409	81	GOVAERTS+ SIGMA CURVE	+
001	H	002	(G,N)	CS	2.8+ 6		NEG	EXPT	PR/C	39	1247	89	MOREH+ ABSOLUTE SIGMA	+
001	H	002	(G,N)	DD	2.0+ 7			EXPT	NP/A	343	121	80	DEL BIANCO+ BIDIMENSIONAL SPECT	
001	H	002	(G,N)	XX	2.9+ 6		LRL	EXPT	PR	124	830	61	JOHN+ POLARIZATION	
001	H	002	(G,N)	XX	1.2+ 7	2.3+ 7	UI	EXPT	PR	130	1131	63	FREDERICK POLARIZATION	
001	H	002	(G,N)	XX	2.8+ 6		LRL	EXPT	PR	139	B71	65	JEWELL+ PHOTO-N POLARIZATION	
001	H	002	(G,N)	XX	6. + 6	1.3+ 7		EXPT	PRL	50	577	83	HOLT+ NEUTRON POLARIZATION	
001	H	002	(G,N)	XX	NDG		GER	THEO	PR/C	40	531	89	ALVARADO+ POLARIZATION EFFECT	
001	H	002	(G,N)	YD	7. + 6	3.0+ 7	YAL	EXPT	NP/A	194	49	72	NATH+ POLARIZATION	
001	H	002	(G,NP)	XX	NDG		CCP	EXPT	SNP	43	499	86	BRATASHEVSKII+ POLARIZATION	
001	H	002	(G,NP)	XX	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)	AD	9. + 6	2.3+ 7	PEN	EXPT	PR	109	2072	58	WHETSTONE+ DIFF.SIGMA CURVE	+
001	H	002	(G,P)	AD	2.5+ 7	5.5+ 7	YAL	EXPT	NP/A	174	129	71	WEISSMAN+ DIFF.SIGMA CURVE	+
001	H	002	(G,P)	AD		1.4+ 8	GER	THEO	ZP/A	302	25	81	ARENHOEVEL DIFF.SIGMA CURVE	+
001	H	002	(G,P)	AD	2.0+ 8	4.4+ 8	BON	EXPT	NP/A	412	509	84	ARENDS+ ANG.DIST.SIGMA TBL	+
001	H	002	(G,P)	AD	NDG		SAC	REVW	NP/A	446	151	85	PLATCHKOV	
001	H	002	(G,P)	AD	1.0+ 8	2.6+ 8	FRA	EXPT	PR/C	34	413	86	GUARALDO+ 5ANGLE SIGMA	+
001	H	002	(G,P)	AD	9.8+ 7	2.4+ 8	FRA	EXPT	PR/C	39	1701	89	LEVI SANDRI+ ANG.DIST. CURVE	+
001	H	002	(G,P)	AD	2.0+ 7	4.4+ 8	ITY	EVAL	PR/C	40	2412	89	ROSSI+ DIFF.SIGMA CURVE	+
001	H	002	(G,P)	AD	7. + 6	1.9+ 7	BLG	EXPT	NP/A	530	420	91	GRAEVE+ DIFF.SIGMA TABLE/CURVE	+
001	H	002	(G,P)	CS	1.7+ 7	2.5+ 7	USA	EXPT	NP/A	201	593	73	BAGLIN+ GAMMA PLOT	+
001	H	002	(G,P)	CS	1.7+ 7	2.8+ 7	SAS	EXPT	PR/C	9	531	74	SKOPIK+ DEDUCED SIGMA TBL	+
001	H	002	(G,P)	CS		6.0+ 8		EXPT	JEL	32	387	80	GORBENKO+ ASYMMETRY,MAG.SPEPECT	
001	H	002	(G,P)	CS	4.0+ 7	7.0+ 7		EXPT	YF	38	1108	83	BARANNIK+ SIGMA ASYMMETRY PARAM	
001	H	002	(G,P)	CS	3.0+ 7	1.4+ 8	WAU	THEO	PR/C	38	1584	88	YING+ DIFF. SIGMA CURVE	+
001	H	002	(G,P)	CS	2.0+ 7	4.4+ 8	ITY	EVAL	PR/C	40	2412	89	ROSSI+ SIGMA CURVE	+
001	H	002	(G,P)	ED	1.9+ 8	4.3+ 8	TOK	EXPT	PRL	52	2536	84	HOMMA+ AT 30DEG.,DIFF.SIGMA CURV	
001	H	002	(G,P)	XX	6.5+ 7		POL	THEO	PR	110	900	58	CZYZ+ NUCLEON POLARIZATION	
001	H	002	(G,P)	XX	1.7+ 8	2.2+ 8	CCP	EXPT	SNP	51	999	90	AVAKYAN+ POLARIZATION	

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001	H	002	(G,P	) YD	2.9+ 8			EXPT	PR	131	1844	63	58DEG.SIGMA	
001	H	002	(G,P	) YD	NDG		JPN	EXPT	NIM	105	211	72	KUSUHARA PROTON SPECT.CURVE	+
001	H	002	(G,P	) YD	NDG		ANL	THEO	PR/C	41	2400	90	HOLT	
001	H	002	(G,PION -	) YD	NDG		FR	THEO	NIM	115	563	74	BLUM+ 3-BODY ANALYSIS	
001	H	002	(G,PION	) AD	3.5+ 8		STF	EXPT	PR	106	818	57	HAGERMAN+ ANGL.DISTRIBUT.OF PION	
001	H	002	(G,PION	) AD	5.0+ 8	1.0+ 9	USA	EXPT	PR	119	1726	60	NEUGEBAUER+ DIFF.SIGMA CURVE	+
001	H	002	(G,PION	) AD	2.0+ 8	3.0+ 8	FR	EXPT	PR	137	B119	65	DAVIER+ SIGMA CURVE & TBL	+
001	H	002	(G,PION	) AD	2.0+ 8	7.0+ 8	CCP	THEO	SNP	34	373	81	ZAYATS+ DIFF.SIGMA CURVE	+
001	H	002	(G,PION	) AD	3.0+ 8	4.2+ 8	SAC	EXPT	NP/A	424	383	84	FAURE+ ANG.DIST.SIGMA TBL	
001	H	002	(G,PION	) XX	1.7+ 8	2.0+ 8	STF	EXPT	PR	132	2735	63	PINE+ YIELD RATIO	
001	H	002	(G,PION	) XX	1.7+ 8	2.1+ 8	FR	EXPT	PR	132	447	63	BURQ+ PRODUCTION RATIO	
001	H	002	(G,PION	) YD	NDG		CAL	EVAL	PR	109	2117	58	BANDTEL+ NEGATIV.PION PRODUCT.	
001	H	002	(G,PION	) YD	2.9+ 8		MIT	EXPT	PR	113	1141	59	LAND CHARGED PION PRODUCT.	
001	H	002	(G,PION	) YD	1.4+ 8	1.7+ 8	UI	EXPT	PR	120	1468	60	ODIAN+ NEUTRAL PI PRODUCT.	
001	H	002	(G,PION	) YD	NDG		CCP	THEO	NP	40	44	63	BALDIN+ PION PRODUCT.	
001	H	002	(G,PION	) YD	1.5+ 8	1.8+ 8	LRL	EXPT	PR	137	B1188	65	SWANSON+ EVENT CURVE	
001	H	002	(G,PION	) YD	1. + 6	4. + 6	SAC	EXPT	PR/C	16	1517	77	AUDIT+ PHOTOPRODUCT YIELDS	+
001	H	002	(G,PION	) YD	3.5+ 8	4.7+ 8	SAC	EXPT	PR/C	34	2217	86	AUDIT+ YIELD CURVE	
001	H	002	(G,PN	)	1.9+ 8	4.3+ 8		EXPT	PR/C	35	1828	87	KANAZAWA+	
001	H	002	(G,PN	) YD	NDG		HRV	THEO	NP	5	557	58	GOTTFRIED NUCL.PAIR CORRELAT.FUNC	
001	H	002	(G,PION 0	) AD	2.5+ 8	3.0+ 8	COR	EXPT	PR	99	268	55	WOLFE+ DIFF.SIGMA TBL/CURVE	+
001	H	002	(G,PION 0	) AD	2.4+ 8	4.0+ 8	GER	EXPT	ZP	259	51	73	HOLTEY+ DIFF.SIGMA TABLE/CURVE	+
001	H	002	(G,PION 0	) XX	NDG		CCP	THEO	SNP	52	464	90	STOLENTNII+ POLARIZATION EFFECT	
001	H	002	(G,PION 0	) YD	2.7+ 8		COR	EXPT	PR	99	273	55	DAVIS+ NEUTRAL PION,ELAST.PRODUCT	
001	H	002	(G,PION 0	) YD	3.0+ 8	5.0+ 8	USA	EXPT	PR	103	1549	56	KECK+ NEUTRAL PION PRODUCT.	
001	H	002	(G,SCATTERING)	AD	1.0+ 8	2.0+ 8	WAS	THEO	PR	108	1032	57	CAPS CAL.DIFF.SIGMA CURVE	+
001	H	002	(G,SCATTERING)	AD	1.0+ 8	2.0+ 8	LRL	THEO	PR	106	1031	57	CAPPS CAL.DIFF.SIGMA CURVE	+
001	H	002	(G,SCATTERING)	CS	5.0+ 7	1.3+ 8	MIT	EXPT	PR	105	982	57	PUGH+ SIGMA CURVE	+
001	H	002	(G,SCATTERING)	CS	5.0+ 7	1.2+ 8	COR	THEO	PR	119	377	60	SCHULT+ SIGMA TBL & CURVE	+
001	H	002	(G,X	) AD	1. + 8	7. + 8	USA	THEO	NP/A	364	219	81	ANASTASIO+ DIFF.SIGMA CURVE	+
001	H	002	(G,X	) AD	2.2+ 9		SAC	EXPT	NP/A	358	347	81	TAMAS DIFF. SIGMA CURVE	+
001	H	002	(G,X	) AD	4. + 8	8. + 8	CCP	EXPT	SNP	41	888	85	AGABABYAN+ PROTON ANG.45 TO 95 DEG	+
001	H	002	(G,X	) AD	2.0+ 7	6.1+ 7	ALB	THEO	PR/C	33	1823	86	RUSTGI+ ANGULAR DIST. PARAM.	
001	H	002	(G,X	) CS	1.6+ 8	8.3+ 8	CAN	THEO	PR	129	1334	63	MATSUMOTO SIGMA CURVE	+
001	H	002	(G,X	) CS	6.0+ 6	1.1+ 7	NEG	EXPT	PR/C	32	1825	85	BIRENBAUM+ ABSOL.PHOTO.DISINT.CS	+
001	H	002	(G,X	) CS	5.0+ 7	1.0+ 8	CCP	EXPT	SNP	47	581	88	VNUKOV+ DISINTEGRAT.SIGMA	+
001	H	002	(G,X	) DD	1.0+ 7	6.3+ 8	TMF	THEO	PR/C	33	1830	86	THORLACIUS+ SIGMA CURVE	+
001	H	002	(G,X	) XX	7.5+ 7	2.3+ 8	STF	EXPT	PR	138	B1443	65	LIU PHOTODISINT.BY POLARIZ.PHOTON	
001	H	002	(G,X	) XX	1.7+ 8		CCP	EXPT	SNP	3	473	66	VARFOLOMEEV+ YIELD RATIO	
001	H	002	(G,X	) XX	2.0+ 8	4.0+ 8	ITY	EXPT	PR	154	988	67	BARBIELLINI+ POLARIZED G USED	
001	H	002	(G,X	) XX	NDG		MIT	REVW	NP/A	358	325	81	HADJIMICHAEL+	
001	H	002	(G,X	) YD	2.0+ 7	6.1+ 7	FRA	EXPT	PR/C	32	1830	85	PASCALE+ ASYMMETRY FACTOR	
001	H	002	(G,2P	)	1.9+ 8	4.3+ 8		EXPT	PR/C	35	1828	87	KANAZAWA+	
001	H	002	(G,2P	) YD	2.8+ 8	5.2+ 8	GER	EXPT	NP/A	459	557	86	RUHM+	
001	H	002	(G,2P	) YD	2.8+ 8	5.2+ 8	GER	EXPT	NP/A	459	573	86	BOCK+	
001	H	002	(E,DISINTEGR.)	AD	7.4+ 7	2.4+ 8	SWD	EXPT	ZP/A	280	341	77	DOUGAN+ DIFF.SIGMA TABLE	+
001	H	002	(E,DISINTEGR.)	YD	NDG		GER	THEO	ZP	184	241	65	BRAESS DISPERSION RELATION	
001	H	002	(E,ELASTIC	) AD	2.0+ 8	6.5+ 8	SAC	EXPT	NP/A	510	740	90	PLATCHKOV+ DIFF.SIGMA TABLE	+
001	H	002	(E,ELASTIC	) YD	3.1+ 8	3.7+ 8	ANL	EXPT	PRL	52	597	84	SCHULZE+ 2PT.	
001	H	002	(E,EN	) YD	4. + 6	1.1+ 7	USA	EXPT	NP/A	219	589	74	PHENNEGER+ YIELD CURVE	
001	H	002	(E,EP	) AD	NDG		GER	REVW	NP/A	358	263	81	ARENHOEVEL DIFF.SIGMA CURVE	+

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

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
001	H	002	(P,G	) AD	1.6+ 8		FR	EXPT	NP/A	139	69	69	DIDELEZ+ DIFF.SIGMA TABLE	+
001	H	002	(P,G	) AD	1.8+ 7	1.5+ 8	FR	EXPT	NP/A	143	602	70	DIDELEZ+ DIFF.SIGMA	+
001	H	002	(P,G	) AD	6.5+ 6	1.6+ 7	DKE	EXPT	PRL	51	877	83	KING+ A2 COEF. TBL	
001	H	002	(P,G	) AD	7.5+ 6		MCM	EXPT	PR/C	38	2503	88	VETTERLI+ ANGULAR DIST.SIGMA	+
001	H	002	(P,G	) CS	2.8+ 5	1.8+ 6	CRL	EXPT	CJP	40	402	62	GRIFFITHS+ SIGMA VALUE/TABLE	+
001	H	002	(P,G	) CS	2.4+ 4	4.8+ 4	CAN	EXPT	CJP	41	724	63	GRIFFITHS+ SIGMA CURVE/TABLE	+
001	H	002	(P,G	) CS	7. + 6	1.5+ 7		EXPT	PR/C	19	601	79	SKOPIK+ TOTAL SIGMA & ANG.DIST.	
001	H	002	(P,G	) CS	1.8+ 7	4.3+ 7	GVA	EXPT	NP/A	410	173	83	ANGHINOLFI+ SIGMA CURV,LEGE.COETBL	+
001	H	002	(P,G	) YD	5.7+ 4	1.5+ 6	CAN	EXPT	CJP	48	3059	70	BAILEY+ SIGMA CURVE	+
001	H	002	(D,G	)	5.0+ 4	5.0+ 5		EXPT	PL/B	197	315	87	BARNES+	
001	H	002	(D,G	) AD	6. + 6	1.9+ 7	STF	EXPT	NP/A	131	489	69	MEYERHOF+ DIFF.SIGMA TABLE/PLOT	+
001	H	002	(D,G	) AD	6.1+ 6	1.2+ 7	CAN	EXPT	NP/A	199	517	73	POUTISSOU+ DIFF.SIGMA	+
001	H	002	(D,G	) AD	1.0+ 7		WIS	THEO	PR/C	34	2043	86	MELLEMA+ ANG.DIST. COEFF.	
001	H	002	(D,G	) AD	9.5+ 7		INU	EXPT	PR/C	39	1679	89	PITTS+ ANG. DIST. CURVE	+
001	H	002	(D,G	) CS	8. + 5	2.3+ 6	PEN	EXPT	PR	132	751	63	ZURMUEHLE+ SIGMA PLOTS	+
001	H	002	(D,G	) CS	7. + 5	4.5+ 6	TNL	EXPT	PR/C	34	32	86	WELLER+ INTEGRAL SIGMA CURVE	+
001	H	002	(D,G	) YD	5.0+ 4	1.5+ 5	CSM	EXPT	PR/C	31	2036	85	WILKINSON+ BRANCHING RATIO	
001	H	002	(H,G	) AD	2. + 6	5.5+ 6	FR	EXPT	NP/A	109	593	68	KRAUS+ DIFF.SIGMA CURVE	+
001	H	002	(H,G	) AD	2. + 6	2.6+ 7	STF	EXPT	NP/A	178	337	72	KING+ DIFF.SIGMA PLOT	+
001	H	002	(A,G	) CS	1. + 6	3. + 7	GER	EVAL	ZP/A	325	193	86	LANGANKE+ CALCUL.SIGMA CURVE	+
001	H	002	(A,G	) YD	5.8+ 6	8.0+ 6	CAN	EXPT	NP/A	238	176	75	BARRETTE+ PARTICLE WIDTH	
001	H	003	(G,D	) AD	1.5+ 7	3.6+ 7	SAS	EXPT	PR/C	24	1791	81	SKOPIK+ TOTAL SIGMA CURVE	+
001	H	003	(G,DISINTEGR.)	CS	NDG		USA	THEO	PR	106	1256	57	RUSTGI SIMA FORMULA	
001	H	003	(G,DISINTEGR.)	CS	NDG		USA	THEO	PR	127	1663	62	MATHUR+ ELECTRIC-DIPOLE BREMSS.	
001	H	003	(G,DISINTEGR.)	CS	1. + 6	1.5+ 7	AUL	THEO	NP	29	268	62	DELVES CAL.SIGMA CURVE	+
001	H	003	(G,DISINTEGR.)	CS	6. + 6	3.0+ 7	IND	THEO	NP/A	168	314	71	RAHMAN+ SIGMA CURVE	+
001	H	003	(G,N	) CS	7. + 6	2.6+ 7	CCP	THEO	NP/A	98	437	67	FETISOV SIGMA CURVE	+
001	H	003	(G,N	) CS	5. + 6	3.0+ 7		EXPT	PRL	44	129	80	FAUL+ 4PAI.CS PHOTODISINTEGPECT	
001	H	003	(G,N	) CS	6. + 6	2.6+ 7	CRD	EXTH	PR/C	24	849	81	FAUL+ SIGMA CURVE	+
001	H	003	(G,N	) CS	NDG		BLG	THEO	NP/A	368	409	81	GOVAERTS+ SIGMA CURVE	+
001	H	003	(G,N	) CS	NDG		UEN	THEO	PR/C	38	1139	88	WACHTER+ INTEGRATED SIGMA CURVE	+
001	H	003	(G,P	) CS	1.0+ 7	3.0+ 7	LRL	THEO	NP/A	111	569	68	GIBSON+ SIGMA CURVE	+
001	H	003	(G,P	) CS	NDG		UEN	THEO	PR/C	38	1139	88	WACHTER+ INTEGRATED SIGMA CURVE	+
001	H	003	(G,X	) AD	NDG		LAS	THEO	PR/C	11	29	75	GIBSON+ PHOTODISINT.SIGMA CURVE	+
001	H	003	(G,X	) CS	5. + 6	4.0+ 7	CCP	THEO	SNP	4	513	67	FETISOV SIGMA CURVE	+
001	H	003	(G,2N	) CS	5. + 6	3.0+ 7		EXPT	PRL	44	129	80	FAUL+ 4PAI.CS PHOTODISINTEGPECT	
001	H	003	(G,2N	) CS	6. + 6	2.6+ 7	CRD	EXTH	PR/C	24	849	81	FAUL+ SIGMA CURVE	+
001	H	003	(E,ELASTIC	) AD	1.1+ 8	6.8+ 8	STF	EXPT	PR	138	857	65	COLLARD+ DIFF.SIGMA TBL	+
001	H	003	(E,ELASTIC	) XX	NDG		SAC	REVW	NP/A	446	151	85	PLATCHKOV	
001	H	003	(E,INELASTIC	) DD	2.5+ 8	4.0+ 8	STF	EXPT	PR	151	841	66	HUGHES+ DOUBL.DIFF.SIGMA TBL/CURVE	+
001	H	003	(E,P	) DD	NDG		STF	THEO	PR	135	B1161	64	GRIFFY+ DOUBL.DIFF.SIGMA CURVE	+
001	H	003	(E,SCATTERING)	DD	NDG		USA	THEO	PR/C	3	1827	71	LEHMAN DOUBL.DIFF.SIGMA CURVE	+
001	H	003	(E,SCATTERING)	XX	NDG		CRC	THEO	NP/A	165	475	71	KHANNA CHARGE FORM FACTOR	
001	H	003	(E,X	) AD	4.0+ 8		USA	THEO	PR	130	2080	63	HAYBRON DIFF.SIGMA CURVE	+
001	H	003	(N,G	) CS	NDG		UEN	THEO	PR/C	38	1139	88	WACHTER+ SIGMA CURVE	+
001	H	003	(P,G	) AD	4. + 6	1.1+ 7	HAR	EXPT	NP	33	102	62	GEMMELL+ DIFF.SIGMA CURVE	+
001	H	003	(P,G	) AD	3. + 6	1.8+ 7	STF	EXPT	NP/A	148	211	70	MEYERHOF+ DIFF.SIGMA TABLE	+
001	H	003	(P,G	) AD	1.7+ 7	3.1+ 7		EXTH	PRL	45	243	80	MCBROOM+ ASYMMETRY IN ANG.DIST	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
001	H	003	(P,G)	AD	2.0+ 6	9.0+ 6	DKE	EXPT	PR/C	39	352	89	WAGENAAR+ ANG.DIST.,ANALYS.POWER	
001	H	003	(P,G)	AD	2.0+ 6	1.5+ 7	USA	EXPT	PR/C	42	R1167	90	FELDMAN+ SIGMA CURVE	+
001	H	003	(P,G)	CS	1. + 5	6.2+ 6	LRL	EXPT	PR	99	1368	55	PERRY+ SIGMA CURVE	+
001	H	003	(P,G)	CS	2.0+ 7	3.1+ 7	USA	COMP	NP/A	134	161	69	CRONE+ SIGMA RATIO	+
001	H	003	(P,G)	CS	8.3+ 6	1.4+ 7	STF	EXPT	PR/C	28	483	83	CALAPCO+ SIGMA AT 90DEG,	
001	H	003	(P,G)	CS	NDG		UEN	THEO	PR/C	38	1139	88	WACHTER+ SIGMA CURVE	+
001	H	003	(P,G)	CS	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)	DD	4.6+ 5	9.3+ 5		EXTH	CJP	58	1496	80	DEL BIANCO+ TOF,LONG NAI	
001	H	003	(P,G)	XX	NDG		USA	THEO	NP/A	359	365	81	HALDERSON+	
001	H	003	(D,G)	CS	2.5+ 4	1.0+ 5	CCP	EXPT	SNP	10	127	70	BEZOTOSNYI+ SIGMA CURVE	+
001	H	003	(D,G)	YD	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+	
001	H	003	(A,G)	CS	4.8+ 5	1.3+ 6	USA	EXPT	PR	113	1556	59	HOLMGREN+ SIGMA CURVE	+
001	H	003	(A,G)	CS	0	7.0+ 6	USA	THEO	PR	131	2582	63	TOMBRELLO+ SIGMA CURVE	+
001	H	003	(A,G)	CS		3.0+ 6	JPN	THEO	NP/A	460	559	86	KAJINO CALCUL. SIGMA	+
001	H	003	(A,G)	XX	8.0+ 4	5.0+ 5	GER	EXPT	ZP/A	330	277	88	ALTMEYER+ BRANCH.RATIO	
001	H	003	(A,G)	YD	NDG		LRL	THEO	PR/C	40	525	89	KAJINO+ BRANCHING RATIO	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
002	HE	000	(G,DISINTEGR.)	CS		1.5+ 8	USA	EVAL	PR	106	530	57	RUSTGI+ SIGMA VALUE	+
002	HE	000	(G,DISINTEGR.)	YD	2.8+ 8		UI	EXPT	PR	110	1143	58	BARTON+ N-P PAIRS	
002	HE	000	(G,N)	AD	1.7+ 8	3.4+ 8	MIT	EXPT	PR	99	843	55	DESAUSSUR+ DIFF.SIGMA CURVE	+
002	HE	000	(G,N)	YD		3.3+ 8	UK	EXPT	NP/A	87	131	66	THOMAS+ RELATIVE YIELD	
002	HE	000	(G,P)	YD		3.3+ 8	UK	EXPT	NP/A	87	131	66	THOMAS+ RELATIVE YIELD	
002	HE	000	(G,PION +)	AD		3.2+ 8	UK	EXPT	NP/A	87	121	66	LAWSON+ DIFF.SIGMA CURVE	+
002	HE	000	(G,PION)	YD	1.4+ 8	1.7+ 8	UI	EXPT	PR	120	1468	60	ODIAN+ NEUTRAL PI PRODUCT.	
002	HE	000	(G,PION 0)	AD	1.7+ 8	3.4+ 8	MIT	EXPT	PR	99	843	55	DESAUSSUR+ DIFF.SIGMA CURVE	+
002	HE	000	(G,X)	CS	NDG		IND	THEO	PR	129	717	63	RUSTGI+ INTEGRATED,SIGMA	+
002	HE	000	(E,ABSORPTION)	CS	1.0+ 5	4.5+ 5	USA	EXPT	PR	110	670	58	ALLISON ELECTRON LOSS SIGMA	+
002	HE	000	(E,ELASTIC)	CS	2. - 2	2.0+ 1	CAN	THEO	CJP	68	104	90	PLENKIEWICZ+ TOT.ELECT.SIGMA	+
002	HE	000	(E,INELASTIC)	CS	5.0+ 1	5.0+ 3	CAN	THEO	CJP	51	311	73	OJHA+ SIGMA CURVE	+
002	HE	000	(E,INELASTIC)	CS	7.3+ 8		NBS	EXPT	PRL	53	1627	84	O'CONNELL+ AT 37.1DEG.,SIGMA CURV	
002	HE	000	(E,SCATTERING)	AD	5.0+ 4		GER	EXPT	ZP	236	321	70	KECK+ ANGL.DIST.& ENERGY LOSS	
002	HE	000	(E,SCATTERING)	CS	1. + 0	2.6+ 1	CAN	EXPT	CJP	50	23	72	COSTELLO+ TOT.SCATT.SIGMA	+
002	HE	000	(E,TOTAL)	CS	1.5+ 1	2.3+ 1	CAN	EXPT	CJP	50	1414	72	JADUSZLIWER+ TOTAL SIGMA	
002	HE	000	(E,X)	AD	2.5+ 1	2.6+ 2	GER	EXPT	ZP	244	254	71	EHRHARDT+ IONIZATION DIFF.SIGMA	
002	HE	000	(E,X)	CS	1. + 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)	AD	1.5+ 8	3.5+ 8		EXPT	PR/C	28	2234	83	SOBER+ DIF.SIGMA TBL, 20PT.	
002	HE	003	(G,D)	CS	5. + 6	5.5+ 7	USA	THEO	PR	164	1354	67	KNIGHT+ TOTAL SIGMA CURVE	+
002	HE	003	(G,D)	CS	1.3+ 7	4.5+ 7	SAS	EXPT	NP/A	171	384	71	KUNDU+ SIGMA CURVE	+
002	HE	003	(G,D)	YD	NDG		ANL	THEO	PR/C	41	2400	90	HOLT	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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	PLATCHKOV	
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	(E,D)	DD	4.3+ 7	1.0+ 8	SAS	EXPT	PR/C	11	693	75	SKOPIK+ DDX TABL	+
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)	DD		4.0+ 7	UMA	EXPT	PR/C	12	1118	75	KAN+ DDX 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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
002 HE 003	(E,ELASTIC)	YD	2.9+ 7	9.5+ 7	UMA	EXPT	PR/C	15	1200	77	SZALATA+ CHARGE RADIUS	
002 HE 003	(E,ELASTIC)	YD	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	GOLDGETEIN+	
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)	AD	6.4+ 8	8.1+ 8	CCP	EXPT	NP/A	360	493	81	KOZLOVSKY+ DIFF. SIGMA	+
002 HE 003	(E,EP)	DD	NDG		CCP	COMP	SNP	17	142	73	TARTAKOVSKII+ DOUBL.DIFF.SIGMA CRV	+
002 HE 003	(E,EP)	DD	9.5+ 8	4.0+ 9	CAL	REVW	NP/A	497	413	89	BECK	
002 HE 003	(E,EP)	ED	NDG		CCP	THEO	SNP	18	409	74	TARTAKOVSKII PROTON SPECTRA	
002 HE 003	(E,EP)	XX	NDG		NED	REVW	NP/A	434	85	85	LAPIKAS	
002 HE 003	(E,INELASTIC)	DD	2.5+ 8	4.0+ 8	STF	EXPT	PR	151	841	66	HUGHES+ DOUBL.DIFF.SIGMA TBL/CURVE	+
002 HE 003	(E,INELASTIC)	DD	1.0+ 8	3.0+ 8	MNZ	EXPT	NP/A	412	294	84	KOEBSHALL+ DDX SIGMA CURV	
002 HE 003	(E,INELASTIC)	XX	NDG		GER	THEO	NP/A	360	208	81	TIATOR+	
002 HE 003	(E,INELASTIC)	XX	NDG		USA	EXPT	PR/C	44	R571	91	JONES-WOODWARD+ NEUT.FORM FACTOR	
002 HE 003	(E,INELASTIC)	YD	NDG		CRL	THEO	NP/A	97	417	67	KHANNA EFFECT OF SHORT-RANGE COR	R
002 HE 003	(E,MISCELLAN.)	AD	1.0+ 8		SAS	EXPT	PR/C	28	52	83	SKOPIK+ MIS=D+E'+P	
002 HE 003	(E,P)	DD	NDG		STF	THEO	PR	135	B1161	64	GRIFFY+ DOUBL.DIFF.SIGMA CURVE	+
002 HE 003	(E,P)	DD	NDG		SAC	REVW	NP/A	446	151	85	PLATCHKOV	
002 HE 003	(E,PION +)	CS	1.4+ 8	2.0+ 8	SAS	THEO	CJP	55	2066	77	ASAI+ POSITIV.PION PRODUCT.	+
002 HE 003	(E,SCATTERING)	AD	6.7+ 8	1.1+10	GER	THEO	NP/A	499	637	89	MEIER-HAJDUK+ DIFF.SIGMA CURVE	+
002 HE 003	(E,SCATTERING)	CS	4.0+ 7	6.1+ 7		EXPT	PR/C	19	610	79	JONES+ ELA & INEL SIGMA AT 180D	
002 HE 003	(E,SCATTERING)	DD	NDG		USA	THEO	PR/C	3	1827	71	LEHMAN DOUBL.DIFF.SIGMA CURVE	+
002 HE 003	(E,SCATTERING)	DD	NDG		USA	THEO	NP/A	355	349	81	BIDASARIA+ DOUBL.DIFF.SIGMA CURVE	+
002 HE 003	(E,SCATTERING)	DD	3.0+ 8	6.0+ 8	PUP	EXPT	PR/C	38	800	88	DYTMAN+ SIGMA CURVE	+
002 HE 003	(E,SCATTERING)	XX	NDG		CRC	THEO	NP/A	165	475	71	KHANNA CHARGE FORM FACTOR	
002 HE 003	(E,X)	AD	4.0+ 8		USA	THEO	PR	130	2080	63	HAYBRON DIFF.SIGMA CURVE	+
002 HE 003	(E,X)	AD	NDG		CCP	EVAL	SNP	16	277	73	KOZLOVSKII+ DIFF. SIGMA CURVE	+
002 HE 003	(E,X)	DD	NDG		UBC	THEO	PR/C	42	96	90	VAN MEIJGAARD+ BREAKUP ANALYSIS	
002 HE 003	(E,X)	XX	NDG		CCP	COMP	SNP	16	287	73	BOITSOV+ FORM FACTOR	
002 HE 003	(N,G)	AD	6.0+ 6	1.7+ 7	DKE	EXPT	PR/C	24	317	81	WARD+ INTEGRAL SIGMA CURVE	+
002 HE 003	(N,G)	CS	3. + 6	5. + 6	PEN	EXPT	PR	132	751	63	ZURMUEHLE+ SIGMA VALUE	+
002 HE 003	(N,G)	CS	2.5- 2		LRL	EXPT	NP/A	59	81	64	IMHOF+ UPPER LIMIT OF SIGMA	+
002 HE 003	(N,G)	CS	2.5+ 4		NED	EXPT	NSE	102	428	89	WERVELMAN+ SIGMA VALUE	+
002 HE 003	(N,G)	CS	2.5- 2		LAS	THEO	PR/C	42	830	90	CARLSON+ CALCULATED SIGMA	+
002 HE 003	(N,G)	CS	2.5- 2	2.5+ 4	NED	EXPT	NP/A	526	265	91	WERVELMAN+ SIGMA VALUE	+
002 HE 003	(D,G)	AD	NDG		USA	THEO	PR/C	4	1	71	WAGNER+ DIFF.SIGMA CURVE	+
002 HE 003	(D,G)	CS	2. + 5	1.2+ 6	GER	EXPT	NP/A	112	47	68	BUSS+ SIGMA VALUE	+
002 HE 003	(A,G)	CS	4.8+ 5	1.3+ 6	USA	EXPT	PR	113	1556	59	HOLMGREN+ SIGMA CURVE	+
002 HE 003	(A,G)	CS	5. + 5	7.5+ 6	USA	THEO	PR	131	2582	63	TOMBRELLO+ SIGMA CURVE	+
002 HE 003	(A,G)	CS	4.2+ 5	5.8+ 6	USA	EXPT	PR	131	2578	63	PARKER+ SIGMA CURVE	+
002 HE 003	(A,G)	CS	1.6+ 5	2.5+ 5	USA	EXPT	NP/A	128	325	69	NAGATANI+ SIGMA PLOT	+
002 HE 003	(A,G)	CS	1.0+ 5	1.7+ 6	TAM	THEO	PR/C	23	33	81	KIM+ TOTAL CAPT.SIGMA	+
002 HE 003	(A,G)	CS	1. + 5	4.0+ 6	MIN	THEO	PR/C	23	645	81	LIU+ SIGMA & BRANCH.RATIO	+
002 HE 003	(A,G)	CS	9.0+ 5		LAS	EXPT	PR/C	27	11	83	ROBERTSON+ SIGMA=1.76+-.11MICRO B	+
002 HE 003	(A,G)	CS	5.5+ 6	6.0+ 6		EXPT	ZP/A	310	91	83	VOLK+ INTEG.ABSOL.SIGMA	+
002 HE 003	(A,G)	CS	5.3+ 5		CRC	EXTH	NP/A	427	526	84	ALEXANDER+	
002 HE 003	(A,G)	CS	2.0+ 5	3.3+ 6	MIN	THEO	NP/A	419	133	84	WALLISER+ SIGMA TBL	+
002 HE 003	(A,G)	CS	1.7+ 7	1.2+ 8	CAL	EXPT	NP/A	419	115	84	OSBORNE+ SIGMA TBL	+
002 HE 003	(A,G)	CS	1.0+ 5	4.0+ 6	BER	THEO	PR/C	33	1561	86	LIU+ SIGMA RATIO	
002 HE 003	(A,G)	CS		3.0+ 6	JPN	THEO	NP/A	460	559	86	KAJINO CALCUL. SIGMA	+

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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		5.0+ 7	CCP	THEO	SNP	53	228	91	NAGORNYI+ COVARIANT APPROACH	
002 HE 004	(G,HE-3)	AD	3.1+ 7	5.1+ 7		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 & QUADRUP.SIGMA	
002 HE 004	(G,MISCELLAN.)	CS		1.5+ 8		EXPT	YF	31	1400	80	ARKATOV+ ELECT.DIPOLE & QUADRUP.	
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 & QUADRUP.SIGMA	
002 HE 004	(G,N)	CS		1.5+ 8		EXPT	YF	31	1400	80	ARKATOV+ ELECT.DIPOLE & QUADRUP.	
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	DZHIBUTI DIFF.SIGMA CURVE	+
002 HE 004	(G,NP)	CS	2.5+ 7	1.3+ 8	CCP	EXPT	SNP	7	489	68	DZHIBUTI+ 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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
002 HE 004	(G,P	) CS	4.4+ 7	5.4+ 7	GER	EXPT	ZP	200	1	67	BUTTLAR+ SIGMA VALUE	+
002 HE 004	(G,P	) CS	2.4+ 7	5.0+ 7	CCP	EXPT	SNP	6	318	68	DENISOV+ SIGMA CURVE	+
002 HE 004	(G,P	) CS	2.0+ 7	8.0+ 7	CCP	EXPT	SNP	7	489	68	DZHIBUTI+ SIGMA CURVE	+
002 HE 004	(G,P	) CS	2.0+ 7	4.0+ 7	MIT	THEO	PR	175	1350	68	HUEFNER+ CAL.SIGMA CURVE	+
002 HE 004	(G,P	) CS	2.4+ 7	3.2+ 7	USA	THEO	NP/A	111	321	68	GIBSON+ SIGMA CURVE	+
002 HE 004	(G,P	) CS	2.3+ 7	3.2+ 7	GER	EXPT	ZP	216	232	68	MUNDHENKE+ INTEGRAL SIGMA VALUE	+
002 HE 004	(G,P	) CS	2.0+ 7	4.0+ 7	USA	COMP	NP/A	134	161	69	CRONE+ SIGMA RATIO	+
002 HE 004	(G,P	) CS		3.0+ 7	STF	EXPT	NP/A	148	211	70	MEYERHOF+ TOTAL & E2 SIGMA	+
002 HE 004	(G,P	) CS	2.8+ 7	3.1+ 7	USA	THEO	NP/A	195	449	72	GIBSON INTEGRAT.SIGMA TABLE	+
002 HE 004	(G,P	) CS	2.0+ 7	4.4+ 7	CAN	THEO	NP/A	235	1	74	CHUNG+ SIGMA CURVE	+
002 HE 004	(G,P	) CS	5.0+ 7	1.4+ 8	GER	THEO	PR/C	10	1629	74	GARI+ INTEG.SIGMA TBL	+
002 HE 004	(G,P	) CS	6.0+ 7	1.7+ 8	GWU	THEO	PR/C	14	1133	76	NOGUCHI+ PHOTODISINT.SIGMA	+
002 HE 004	(G,P	) CS		1.5+ 8		EXPT	VAT/F	4	55	79	ARKATOV+ DIPOL & QUADRUP.SIGMA	
002 HE 004	(G,P	) CS		1.5+ 8		EXPT	YF	31	1400	80	ARKATOV+ ELECT.DIPOLE & QUADRUP.	
002 HE 004	(G,P	) CS	2.9+ 7	5.8+ 7	ROM	EXPT	PR/C	38	1990	88	BERNABEI+ SIGMA	+
002 HE 004	(G,P	) CS	4.0+ 7		UFT	EXPT	SNP	49	767	89	VINOKUROV+ E1 SIGMA	+
002 HE 004	(G,P	) DD	5.0+ 7	3.5+ 8	CAR	THEO	PR/C	33	776	86	CHEUNG+ ENERG & ANG.DIST.CURVE	+
002 HE 004	(G,P	) ED	3.1+ 7	3.2+ 7	ITY	EXPT	PR	120	1302	60	MILONE FINE STRUCTURE OF SPECTRA	
002 HE 004	(G,P	) ED	2.8+ 7	3.3+ 7	GER	EXPT	ZP	216	232	68	MUNDHENKE+ PROTON SPECTRUM	
002 HE 004	(G,P	) ED	5.0+ 7	1.4+ 8	KFT	EXPT	SNP	38	165	83	ARKATOV+ P-MOMENTUM DIST.CURV	
002 HE 004	(G,P	) ED	1.9+ 8	4.3+ 8	TOK	EXPT	PRL	52	2536	84	HOMMA+ AT 30DEG.,DIFF.SIGMA CURV	
002 HE 004	(G,P	) XX	NDG		JPN	EXPT	PR/C	36	1623	87	HOMMA+	
002 HE 004	(G,P	) YD		1.7+ 8	CCP	EXPT	SNP	12	123	71	ARKATOV+	
002 HE 004	(G,P	) YD	3.5+ 8		CCP	EXPT	SNP	47	955	88	ZYBALOV+ POLARIZATION	
002 HE 004	(G,PA	) CS		1.5+ 8		EXPT	YF	31	1400	80	ARKATOV+ ELECT.DIPOLE & QUADRUP.	
002 HE 004	(G,PION	) AD	2.9+ 8		USA	EXPT	PRL	53	755	84	TIEGER+ DIFF.SIGMA CURV	
002 HE 004	(G,PION	) AD	1.9+ 8	4.3+ 8	CCP	EXPT	SNP	41	883	85	ANAN'IN+ DIFF. SIGMA	+
002 HE 004	(G,PN	)	3.0+ 7	1.5+ 8		EXPT		6	826	82	ARKATOV+	
002 HE 004	(G,PN	)		1.5+ 8		EXPT	YP	36	817	82	ARKATOV+	
002 HE 004	(G,PN	) AD	2.8+ 7	1.5+ 8		EXTH	UFZ	25	1975	80	ARKATOV+ ELECTROMAG,TRANSITIONS	
002 HE 004	(G,PN	) CS	NDG		DEN	EVAL	NP	37	279	62	REITAN CAL.DIRECT ABSORPT.SIGMA	+
002 HE 004	(G,PN	) CS		1.5+ 8		EXPT	VAT/F	4	55	79	ARKATOV+ DIPOL & QUADRUP.SIGMA	
002 HE 004	(G,PN	) DD		1.5+ 8		EXTH	UFZ	25	933	80	ARKATOV+ DDX OF P-N PAIRS	
002 HE 004	(G,PN	) DD		1.5+ 8		EXTH	YF	32	5	80	ARKATOV+ DIFFUSION CLOUD CHAMBER	
002 HE 004	(G,PN	) ED	2.8+ 7	1.5+ 8		EXPT	VAT/F	4	62	79	ARKATOV+	
002 HE 004	(G,PN	) YD		1.5+ 8		EXPT	ZEP	30	672	79	ARKATOV+ DIST.OVER TREIMAN-YANG	
002 HE 004	(G,T	) AD	3.1+ 7	5.1+ 7		EXPT	PR/C	19	2091	79	PHILLIPS+ DIFF.SIGAMA RATIO	
002 HE 004	(G,TOTAL	) CS	NDG		SPN	THEO	NP/A	368	375	81	OSET+ SIGMA CURVE	+
002 HE 004	(G,X	) CS	2.2+ 8	2.7+ 8	USA	EXPT	PR	137	B1214	65	ASBURY+ SIGMA PLOT	+
002 HE 004	(G,X	) CS	NDG		IND	THEO	PR	164	1223	67	SRIVASTAVA+ DISINT.SIGMA TBL	+
002 HE 004	(G,X	) CS	3.0+ 7	1.6+ 8	CCP	EXPT	SNP	10	268	69	GORBUNOV+ X=2P2N,SIGMA CURVE	+
002 HE 004	(G,X	) CS	2.5+ 7	1.2+ 8	CCP	EXPT	SNP	10	639	70	ARKATOV+ SIGMA CURVE	+
002 HE 004	(G,X	) CS	NDG		SAC	THEO	NP/A	194	81	72	LAGET+ THEORETICAL EVALUATION	
002 HE 004	(G,X	) CS	3.0+ 7	7.5+ 7	CCP	EXPT	SNP	16	6	73	ARKATOV+ SIGMA TABLE	+
002 HE 004	(G,X	) CS	6.0+ 7	1.7+ 8	GWU	THEO	PR/C	14	1133	76	NOGUCHI+ PHOTODISINT.SIGMA	+
002 HE 004	(G,X	) ED	3.0+ 7	1.5+ 8	CCP	EVAL	SNP	41	707	85	ARKATOV+ (G,2P2N)REACT.ANALYSIS	
002 HE 004	(G,X	) YD	2.5+ 7	4.3+ 7	CCP	EVAL	SNP	34	639	81	ARKATOV+ PHOTODISINT.ANALYSIS	
002 HE 004	(G,2D	) CS		1.5+ 8		EXPT	VAT/F	4	55	79	ARKATOV+ DIPOL & QUADRUP.SIGMA	
002 HE 004	(G,2D	) CS		1.5+ 8		EXPT	YF	31	1400	80	ARKATOV+ ELECT.DIPOLE & QUADRUP.	
002 HE 004	(E,D	) CS	3.6+ 7	5.0+ 7	NBS	EXPT	PR/C	6	43	72	SKOPIK+ SIGMA TBL & CURVE	+
002 HE 004	(E,DISINTEGR.)	DD	6.5+ 7		GER	THEO	ZP	239	223	70	MUELLER-ARNKE DOUB.DIFF.SIGMA CURV	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
002	HE	004	(E,ELASTIC)	AD	1.9+ 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	FROSCH+ DIFF.SIGMA TBL	+
002	HE	004	(E,ELASTIC)	AD	3.0+ 7	5.9+ 7	GER	EXPT	ZP	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	ELDYSHEV+ FORM FACTOR	
002	HE	004	(E,ELASTIC)	YD	1.7+ 8	7.5+ 8	UMA	EXPT	PR/C	15	1396	77	MCCARTHY+ 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	FROSCH+ 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		MNZ	EXPT	NP/A	405	648	83	KOEBSCHALL+ 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	PRL	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	ZP/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+-.15MICRO B	+

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
003 LI 000	(G,DISINTEGR.)	YD	2.8+ 8		UI	EXPT	PR	110	1143	58	BARTON+ N-P PAIRS	
003 LI 000	(G,ELASTIC)	CS	1.6+ 6		LRL	EXPT	PR	112	1267	58	ALVAREZ+ 124DEG.SCATT.SIGMA	+
003 LI 000	(G,N)	CS	7. + 6	2.5+ 7	CAN	EXPT	PR	110	1123	58	RYBKA+ NEUTRON YIELD CURVE	+
003 LI 000	(G,N)	CS	7.5+ 6	1.9+ 7	AUL	EXPT	NP/A	51	177	64	ALLUM+ SIGMA CURVE	+
003 LI 000	(G,P)	AD	1.4+ 8	1.8+ 8	USA	EXPT	PR	129	1362	63	KIM+ DIFF.SIGMA TBL	+
003 LI 000	(G,P)	AD		4.0+ 8	SWD	EXPT	ZP	265	1	73	DOUGAN+ DIFF.SIGMA TABLE	+
003 LI 000	(G,P)	ED	7.0+ 8	1.2+ 9	CCP	EXPT	SNP	13	265	71	ANTUF'EV+ PROTON SPECT.	
003 LI 000	(G,P)	ED	7.0+ 8	1.2+ 9	CCP	EXPT	SNP	13	265	71	ANTUF'EV+ DEUTERON SPECT.	
003 LI 000	(G,P)	XX		3.4+ 8	MIT	EXPT	PR	99	1621	55	WEINSTEIN+ P-P COINCIDENCE	
003 LI 000	(G,P)	XX	3.4+ 8		USA	EXPT	PR	128	2784	62	LIU+ POLARIZATION OF PHOTOPROTONS	
003 LI 000	(G,PION +)	AD	5.5+ 8		STF	EXPT	PR	105	1840	57	WILLIAMS+ Z-DEPEND.OF PION PRODUCT	+
003 LI 000	(G,SCATTERING)	CS	5.0+ 7	1.3+ 8	MIT	EXPT	PR	105	982	57	PUGH+ SIGMA CURVE	+
003 LI 000	(G,X)	CS	1.0+ 7	2.2+ 8	GER	EXPT	NP/A	251	479	75	AHRENS+ SIGMA CURVE	+
003 LI 000	(E,ELASTIC)	CS	NDG		UBC	THEO	PR/C	29	538	84	BLANKLEIDER+	
003 LI 000	(E,TOTAL)	CS	1. + 0	1.0+ 1	USA	EXPT	PR	128	1148	62	PEREP+ SCATT.TOTAL SIGMA	+
003 LI 006	(G,A)	AD		5.0+ 7		EXPT	ZP/A	291	353	79	JUNGHANS+ 30 TO 150 DEG.	
003 LI 006	(G,D)	AD		5.0+ 7		EXPT	ZP/A	291	353	79	JUNGHANS+ 30 TO 150 DEG.	
003 LI 006	(G,D)	CS	NDG		CCP	EVAL	SNP	9	198	69	MAMASAKHLISOV+ SIGMA CURVE	+
003 LI 006	(G,DISINTEGR.)	CS	NDG		IND	THEO	CJP	52	202	74	YADAV+ SIGMA VALUE	+
003 LI 006	(G,DISINTEGR.)	ED		5.0+ 7	ITY	THEO	NP/A	76	58	66	FERRONI+ DEUTERON SPECTRUM	
003 LI 006	(G,DISINTEGR.)	YD	1.7+ 7		USA	EXPT	PR	118	217	60	PROCTOR+ PHOTODISINT.YIELD	
003 LI 006	(G,G)	CS	3.0+ 7		CCP	THEO	SNP	43	373	86	DUBOVOI+ CALC.SIGMA	+
003 LI 006	(G,G)	YD	2. + 6	1.6+ 7	LRL	EXPT	PR	125	335	62	SEWARD RESONANT SCATT.	
003 LI 006	(G,G)	YD	1.8+ 6	3.6+ 6	BLG	EXPT	NP/A	120	126	68	CRETEN+ LEVEL WIDTH	
003 LI 006	(G,G)	YD	3.6+ 6		MSU	EXPT	PR/C	23	973	81	ROBERTSON+ EXCIT.ENERGY	
003 LI 006	(G,N)	CS	5. + 6	1.9+ 7	USA	EXPT	PR	113	886	59	ROMANOWSKI+ SIGMA CURVE	+
003 LI 006	(G,N)	CS	7.1+ 6	7.3+ 6	USA	EXPT	PR	135	B701	64	GREEN+ SIGMA TBL & CURVE	+
003 LI 006	(G,N)	CS	5.7+ 6	2.3+ 7	DEN	EVAL	NP/A	160	99	71	AURDAL SIGMA CURVE	+
003 LI 006	(G,N)	CS	4. + 6	3.2+ 7	LRL	EVAL	PR/C	7	1820	73	SHAKIN+ SIGMA CURVE	+
003 LI 006	(G,N)	CS	3.7+ 6	1.6+ 7	GWU	THEO	PR/C	10	1309	74	GHOVANLOU+ SIGMA CURVE	+
003 LI 006	(G,NP)	DD	6.7+ 7		UI	EXPT	PRL	52	2540	84	WADE+ N-P COINC.YIELD	
003 LI 006	(G,P)	AD	3.5+ 7	8.0+ 7	CCP	THEO	NP/A	182	634	72	KURDYUMOV+ DIFF.SIGMA CURVE	+
003 LI 006	(G,P)	AD		5.0+ 7		EXPT	ZP/A	291	353	79	JUNGHANS+ 30 TO 150 DEG.	
003 LI 006	(G,P)	CS		6.0+ 7	CCP	EXPT	NP/A	68	191	65	BAZHANOV+ INTEGRAT.SIGMA	
003 LI 006	(G,P)	CS		5.5+ 7	CCP	EXPT	SNP	5	344	67	DENISOV+ SIGMA CURVE	+
003 LI 006	(G,P)	CS	4.8+ 6	2.3+ 7	DEN	EVAL	NP/A	160	99	71	AURDAL SIGMA CURVE	+
003 LI 006	(G,P)	DD		1.5+ 7		EXTH	PR/C	21	1165	80	KUSUHARA BREM BEAM	
003 LI 006	(G,P)	ED		1.0+ 8	MIT	EXPT	NP/A	112	654	68	MATTHEWS+ PROTON SPECTRA	
003 LI 006	(G,P)	XX	3.5+ 8		CCP	EXPT	SNP	51	385	90	ZYBALOV+ PROTON POLARIZATION	
003 LI 006	(G,PION)	DD	2.0+ 8		TOH	EXPT	PR/C	33	2179	86	SHODA+ ANGULAR DIST.CURVE	+
003 LI 006	(G,PION)	YD	4.0+ 8		CCP	EXPT	SNP	19	10	74	GONCHAROV+ PION SPECTRA	
003 LI 006	(G,PION)	YD		7. + 6	SAC	EXPT	PR/C	15	1415	77	AUDIT+ RELATIVE SIGMA	
003 LI 006	(G,PION 0)	AD	3.0+ 8	4.5+ 8	CCP	EXPT	SNP	53	379	91	BLEOUSOV+ DIFF.SIGMA TABLE	+
003 LI 006	(G,PION 0)	AD	NDG		CCP	THEO	SNP	53	439	91	TRYASUCHEV+ IMPULSE APPROX.	
003 LI 006	(G,SCATTERING)	XX	3.6+ 6		USA	EXPT	PR	183	918	69	RASMUSSEN+ GAMMA WIDTH	
003 LI 006	(G,T)	AD		5.0+ 7		EXPT	ZP/A	291	353	79	JUNGHANS+ 30 TO 150 DEG.	
003 LI 006	(G,T)	CS		6.0+ 7	CCP	EXPT	NP/A	68	191	65	BAZHANOV+ INTEGRAT.SIGMA	
003 LI 006	(G,T)	CS	2.4+ 7	3.5+ 7	YAL	EXPT	PR	169	771	68	SHERMAN+ SIGMA CURVE	+

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

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
003	LI	006	(E,X)	AD	NDG		SAS	EXPT	PR/C	14	789	76	SKOPIK+ ELECTRODISINT.SIGMA	
003	LI	006	(N,G)	CS	2.5- 2		ANL	EXPT	NSE	40	12	70	MEADOWS+ PULSE-NEUTRON METHOD	+
003	LI	006	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	113	395	68	SPILLONG+ GAMMA INTENSITY	
003	LI	006	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	145	449	70	SPITS+ GAMMA INTENSITY	
003	LI	006	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	180	569	72	KAMP+ NEUT.-CAPT. GAMMA	
003	LI	006	(P,G)		2.0+ 5	1.2+ 6	AML	EXPT	AUJ	40	319	87	TINGWELL+	
003	LI	006	(P,G)	CS	2. + 5	1.2+ 6		EXPT	NP/A	331	50	79	SWITKOWSKI+ INTEGRATED SIGMA	
003	LI	006	(P,G)	CS	4.0+ 4	1.8+ 5	USA	EXPT	NP/A	539	75	92	CECIL+ SIGMA CURVE	+
003	LI	006	(P,G)	YD	4. + 5	1. + 6	CAN	EXPT	PR	101	242	56	WARREN+ GAMMA YIELD CURVE	
003	LI	006	(A,G)		NDG		BEL	EXPT	PRL	59	1088	87	MURNICK+	
003	LI	006	(A,G)	DD	1.0+ 6	1.2+ 6		EXPT	NP/A	330	397	79	KEINONEN+ GAM-TRANSIT.STRENGTH	
003	LI	006	(A,G)	YD	7. + 5	3.8+ 6	ANL	EXPT	PR	108	1506	57	MEYER+ B-10 LEVEL	
003	LI	006	(A,G)	YD	1. + 6	3. + 6	USA	EXPT	NP/A	82	33	66	FORSYTH+ ENERGY LEVEL OF B-10	
003	LI	006	(A,G)	YD	3.8+ 6	5.2+ 6	SWT	EXPT	NP/A	242	129	75	AUWARTER+ B-10 LEVEL	
003	LI	006	(A,G)	YD	1.1+ 6	1.3+ 6		EXPT	NP/A	318	21	79	SPEAR+ RESONANCE STRENGTH	
003	LI	006	(A,G)	YD	1.0+ 6	1.2+ 6	ANL	EXPT	NP/A	417	289	84	NAPOLITANO+	
003	LI	006	(A,G)	YD	1.1+ 6	1.2+ 6	OSU	EXPT	NP/A	499	353	89	BASAK GAMMA-TRANSIT.STRENGTH	
003	LI	007	(G,ABSORPTION)	CS	NDG		CCP	EVAL	NP	31	338	62	NEUDACHIN+ GIANT RES.OF DIPOLE RES	+
003	LI	007	(G,D)	AD	6.2+ 8		CCP	EXPT	SNP	14	502	72	ANTUF'EV+ DIFF.SIGMA CURVE	+
003	LI	007	(G,D)	AD		5.0+ 7		EXPT	PR/C	20	2025	79	SKOPIK+ 30 TO 150 DEG.	
003	LI	007	(G,D)	AD		5.0+ 7		EXPT	ZP/A	291	353	79	JUNGHANS+ 30 TO 150 DEG.	
003	LI	007	(G,D)	CS	6. + 6	5.5+ 7	CCP	EXPT	SNP	5	344	67	DENISOV+ SIGMA TABLE	+
003	LI	007	(G,D)	CS	1.4+ 7	3.0+ 7	CCP	EXPT	SNP	22	466	75	DENISOV+ INTEGRATED SIGMA TBL	+
003	LI	007	(G,G)	CS	2.7+ 7	3.1+ 7	CCP	EXPT	SNP	33	15	81	ISHKHANOV+ INTEGRATED SIGMA	+
003	LI	007	(G,G)	YD	5. + 5	3.0+ 6	USA	EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	
003	LI	007	(G,HE-3)	AD		5.0+ 7		EXPT	PR/C	20	2025	79	SKOPIK+ 30 TO 150 DEG.	
003	LI	007	(G,HE-3)	AD		5.0+ 7		EXPT	ZP/A	291	353	79	JUNGHANS+ 30 TO 150 DEG.	
003	LI	007	(G,INELASTIC)	AD	2.5+ 6	2.2+ 7	CCP	EXPT	SNP	10	635	70	DENISOV+ DIFF.SIGMA CURVE	+
003	LI	007	(G,INELASTIC)	ED		3.2+ 7		EXPT	YF	32	11	80	ISHKHANOV+	
003	LI	007	(G,N)	AD	1.3+ 7	2.5+ 7	CAN	EXPT	CJP	55	428	77	FERDINANDE+ 90DEG.DIFF.SIGMA VAL	+
003	LI	007	(G,N)	AD	6.0+ 7	1.2+ 8	EDG	EXPT	PRL	50	1831	83	SENE+ DIF.SIGMA CURV,SIG RATIO	
003	LI	007	(G,N)	CS	8. + 6	1.8+ 7	USA	EXPT	PR	113	886	59	ROMANOWSKI+ SIGMA CURVE	+
003	LI	007	(G,N)	CS	8. + 6	1.8+ 7	USA	EXPT	PR	113	886	59	ROMANOWSKI+ SIGMA CURVE	+
003	LI	007	(G,N)	CS	7.4+ 6	7.6+ 6	USA	EXPT	PR	135	B701	64	GREEN+ SIGMA TBL & CURVE	+
003	LI	007	(G,N)	CS	7. + 6	9. + 6	AML	EXPT	NP/A	501	108	89	KARATAGLIDIS+ SIGMA CURVE	+
003	LI	007	(G,N)	DD	6.0+ 7	1.3+ 8	UK	EXPT	NP/A	442	215	85	SENE'+ DOUBLE DIFF. SIGMA	+
003	LI	007	(G,N)	ED	3.6+ 6		LIN	EXPT	SNP	27	469	78	DENISOV+ INTERG. CS	+
003	LI	007	(G,P)	AD	3.2+ 8		CCP	EXPT	SNP	9	394	69	ANTUF'EV+ DIFF.SIGMA TBL	+
003	LI	007	(G,P)	AD	6.2+ 8	1.1+ 9	CCP	EXPT	SNP	11	527	70	ANTUF'EV+ ANGL.DIFF.SIGMA CURVE	+
003	LI	007	(G,P)	AD		5.0+ 7		EXPT	PR/C	20	2025	79	SKOPIK+ 30 TO 150 DEG.	
003	LI	007	(G,P)	AD		5.0+ 7		EXPT	ZP/A	291	353	79	JUNGHANS+ 30 TO 150 DEG.	
003	LI	007	(G,P)	AD	6.0+ 7	1.2+ 8	EDG	EXPT	PRL	50	1831	83	SENE+ DIF.SIGMA CURV,SIG RATIO	
003	LI	007	(G,P)	CS	1.0+ 7	3.2+ 7	AUL	EXPT	NP	32	543	62	GREGORY+ SIGMA CURVE	+
003	LI	007	(G,P)	CS	6. + 6	5.5+ 7	CCP	EXPT	SNP	5	344	67	DENISOV+ SIGMA TABLE	+
003	LI	007	(G,P)	CS		8.4+ 7	ITY	EXPT	NP/A	153	401	70	SANZONE+ INTEG.SIGMA PLOT	+
003	LI	007	(G,P)	CS	1.8+ 7	3.5+ 7	CCP	EXPT	SNP	20	579	75	DENISOV+ INTEG.SIGMA TBL	+
003	LI	007	(G,P)	DD	6.0+ 7	1.3+ 8	UK	EXPT	NP/A	442	215	85	SENE'+ DOUBLE DIFF. SIGMA	+
003	LI	007	(G,P)	ED		1.0+ 8	MIT	EXPT	NP/A	112	654	68	MATTHEWS+ PROTON SPECTRA	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
003	LI	007	(G,PION)	AD	2.0+ 8		RPI	EXPT	PR/C	43	1800	91	SHAW+ DIFF.SIGAM CURVE	+
003	LI	007	(G,PION)	YD	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)	CS	6. + 6	5.5+ 7	CCP	EXPT	SNP	5	344	67	DENISOV+ SIGMA TABLE	+
003	LI	007	(G,T)	CS	1.4+ 7	3.0+ 7	CCP	EXPT	SNP	22	466	75	DENISOV+ INTEGRATED SIGMA TBL	+
003	LI	007	(G,T)	ED		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)	AD		2.0+ 7	CCP	EXPT	SNP	44	747	86	VOLKOV+ DIFF. SIGMA	+
003	LI	007	(G,X)	CS	NDG		CCP	THEO	SNP	4	37	67	DZHIBUTI+ DISINT.SIGMA CURVE	+
003	LI	007	(G,X)	CS	2.3+ 7	2.7+ 7	CCP	EXPT	SNP	18	125	74	KOTIKOV+ X=PT,EXCIT.FUNC.CURVE	+
003	LI	007	(G,X)	CS	1.4+ 7	3.0+ 7	CCP	EXPT	SNP	22	466	75	DENISOV+ INTEGRATED SIGMA TBL	+
003	LI	007	(G,X)	DD	6.0+ 7	1.3+ 8	UK	EXPT	NP/A	442	215	85	SENE'+ DOUBLE DIFF. SIGMA	+
003	LI	007	(G,X)	YD	3.5+ 7	5.5+ 7	LIN	EXPT	SNP	27	461	78	VOLKOV+ PHOTODISINT.	
003	LI	007	(G,XN)	CS	6. + 6	3.0+ 7	NBS	EXPT	NP/A	69	241	65	HAYWARD+ SIGMA CURVE & TABLE	+
003	LI	007	(G,XN)	CS	7.3+ 6	2.0+ 7	AUL	EXPT	NP/A	458	387	86	SIDDIQUI+ SIGMA CURVE	+
003	LI	007	(G,XP)	YD	6.0+ 7	1.0+ 8	GLS	EXPT	PL/B	79	356	78	FINDLAY+	
003	LI	007	(G,2P)	XX	3.2+ 8		USA	EXPT	PR	111	1162	58	TAUTFEST DELAYED NEUTRON	
003	LI	007	(E,ELASTIC)	AD		2.3+ 8	STF	EXPT	PR	144	859	66	RAND+ MAGNETIC FORM FACTOR	
003	LI	007	(E,ELASTIC)	AD	2.0+ 8	6.0+ 8	STF	EXPT	PR	162	992	67	SUEIZLE+ DIFF.SIGMA TBL	+
003	LI	007	(E,ELASTIC)	XX	2.4+ 7	9.7+ 7	USA	EXPT	PR/C	5	391	72	BUMILLER+ FORM FACTOR	
003	LI	007	(E,INELASTIC)	AD	5.0+ 8		STF	EXPT	PR	115	1300	59	MEYER-BERKHOUT DIFF.SIGMA VALUE	+
003	LI	007	(E,INELASTIC)	AD	3. + 6		USA	EXPT	NP/A	66	230	65	CHERTOK+ DIFF.SIGMA	
003	LI	007	(E,INELASTIC)	CS	1.1+ 6	2.0+ 6	USA	EXPT	NP/A	66	230	65	CHERTOK+ ISOMER EXCIT.SIGMA TBL	+
003	LI	007	(E,INELASTIC)	CS	7.0+ 8		TOK	EXPT	NP/A	296	431	78	IZUTSU+ PROTON SPECTRAL FUNCTION	
003	LI	007	(E,INELASTIC)	DD	6.0+ 7	1.3+ 8	SAS	EXPT	NP/A	127	417	69	HUTCHEON+ DIFF.SIGMA CURVE	+
003	LI	007	(E,INELASTIC)	DD	NDG		NED	EXPT	PR/C	44	2002	91	MITCHELL+ REACTION MECHANISUM	
003	LI	007	(E,MISCELLAN.)	ED	1.1+ 8	2.0+ 8		EXPT	PR/C	21	469	80	ASAI+ MIS=HE-6 OR LI-6	
003	LI	007	(E,P)	CS	7.0+ 8		TOK	EXPT	NP/A	296	431	78	IZUTSU+ PROTON SPECTRAL FUNCTION	
003	LI	007	(E,P)	YD	NDG		ITY	THEO	NP/A	476	617	88	BOFFI+	
003	LI	007	(E,PION)	AD	2.0+ 8		TOH	EXPT	NP/A	486	512	88	SHODA+ 90DEG. SIGMA CURVE	+
003	LI	007	(E,SCATTERING)	CS	NDG		KFT	EXPT	SNP	25	599	77	KUPLENNIKOV+ QUASIELASTIC SCAT.	
003	LI	007	(E,SCATTERING)	DD	NDG		STF	THEO	PR	134	B773	64	GINSBERG+ NUCL.SIZE,MAG.EFFECT	
003	LI	007	(E,SCATTERING)	DD	1.2+ 9		CCP	EXPT	SNP	18	10	74	KUPLENNIKOV+ SIGMA CURVE	+
003	LI	007	(E,SCATTERING)	XX	NDG		CCP	THEO	NP/A	126	36	69	KUDEYAROV+ FORM FACTOR	
003	LI	007	(E,SCATTERING)	YD	NDG		UFT	EXPT	SNP	27	313	78	KUPLENNIKOV+	
003	LI	007	(E,X)	DD	6.0+ 7	1.3+ 8	UK	EXPT	NP/A	442	215	85	SENE'+ DOUBLE DIFF. SIGMA	+
003	LI	007	(N,G)	CS	2.5- 2	1.0+ 6	USA	EXPT	PR	114	1037	59	IMHOF+ SIGMA CURVE	+
003	LI	007	(N,G)	CS	2.5- 2		LRL	EXPT	PR/C	44	764	91	LYNN+ SIGMA VALUE	+
003	LI	007	(P,G)	AD	2.0+ 5	1.1+ 6	AUL	EXPT	NP	21	1	60	MAINSBRIDGE ANGL.DIST.OF GAMMA	
003	LI	007	(P,G)	AD	4. + 5	6.5+ 5	GER	EXPT	ZP	161	500	61	BREUER+ ANGULAR COEFF.	
003	LI	007	(P,G)	AD	2. + 5	1.7+ 6	USA	EXPT	NP/A	58	254	64	SCHLUETER+ DIFF.SIGMA CURVE/TABLE	+
003	LI	007	(P,G)	AD	2.5+ 7		EDG	EXPT	PR/C	43	2866	91	BRANFORD+ DIFF.SIGMA CURVE	+
003	LI	007	(P,G)	CS	NDG		UK	EVAL	NP/A	52	29	64	TANNER+ SIGMA TABLE	+
003	LI	007	(P,G)	CS	4.0+ 4	1.8+ 5	USA	EXPT	NP/A	539	75	92	CECIL+ SIGMA CURVE	+
003	LI	007	(P,G)	DD	8. + 5	1.8+ 7	STF	EXPT	PR/C	14	28	76	FISHER+ YIELD CURVES	
003	LI	007	(P,G)	ED	4.4+ 5		USA	EXPT	PR	103	143	56	LAVIER+ ALPHA SPECTRA	
003	LI	007	(P,G)	ED	5.0+ 5	2.0+ 6	ORL	EXPT	NP/A	54	155	64	MILLER+ GAMMA SPECTRUM	
003	LI	007	(P,G)	ED	4. + 5	1.8+ 6	USA	EXPT	NP/A	54	148	64	PROSSER+ GAMMA SPECTRUM	
003	LI	007	(P,G)	ED	7.5+ 6	8. + 6	GER	EXPT	NP/A	515	226	90	RICKEN+ GAMMA SPECTRUM	
003	LI	007	(P,G)	YD	1.7+ 6	2.5+ 6	DKE	EXPT	PR	108	1294	57	NEWSON+ GAMMA YIELD	
003	LI	007	(P,G)	YD	4. + 6	7.7+ 6	CBR	EXPT	NP	10	33	59	GEMMELL+ YIELD VALUE	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
003 LI 007	(P,G)	YD	4.4+ 5		SWT	EXPT	NP	27	284	61	MEYER+ RESONANT P-CAPT.GAMMA	
003 LI 007	(P,G)	YD	2.5+ 6	9. + 6	AUL	EXPT	NP	44	664	63	MITCHELL+ GAMMA YIELD CURVE	
003 LI 007	(P,G)	YD	1.5+ 6	1.1+ 7	USA	EXPT	NP	45	586	63	PERRY+ EXCITAT.CURVE	
003 LI 007	(D,G)	YD	3.6+ 5		CRN	EXPT	NP/A	175	217	71	SCHAEFFER+ BE-9 LEVEL	
003 LI 007	(T,G)	ED	4. + 5	1.1+ 6	BKB	EXPT	NP/A	296	141	78	SUBOTIC+ BE-10 RES.	
003 LI 007	(H,G)	YD	3. + 6	6. + 6	USA	EXPT	NP/A	108	221	68	LING+ DIFF.SIGMA CURVE	+
003 LI 007	(A,G)		4.0+ 5	5.5+ 5	WMU	EXPT	PR/C	29	1199	84	HARDIE+ RES.WIDTH TBL	
003 LI 007	(A,G)	DD	1.0+ 6			EXPT	PR/C	20	920	79	ANTTILA+ LIFETIME OF LEVELS	
003 LI 008	(N,G)	YD	NDG		USA	THEO	NP/A	522	568	91	MAO+ SHELL-MODEL CAL.	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
004 BE 007	(P,G)	CS	8.0+ 5	1.4+ 6	USA	EXPT	NP	15	411	60	KAVANAGH SIGMA VALUE	+
004 BE 007	(P,G)	CS	0	1.5+ 7	USA	THEO	NP/A	71	459	65	TOMBRELLO SIGMA CURVE	+
004 BE 007	(P,G)	CS	4.8+ 5	1.9+ 6	BNL	EXPT	PR	150	851	66	PARKER ABSOLUTE SIGMA CURVE	+
004 BE 007	(P,G)	CS	9.5+ 5	3.3+ 6	USA	EXPT	PR/C	2	1657	70	VAUGHN+ SIGMA TABLE	+
004 BE 007	(P,G)	CS	1. + 5	1.8+ 6	DEN	THEO	NP/A	146	385	70	AURDAL CAL.SIGMA CURVE	+
004 BE 007	(P,G)	CS	3.6+ 5		GER	EXPT	ZP/A	282	121	77	WIEZOREK+ SIGMA VALUE	+
004 BE 007	(P,G)	CS	1.0+ 5	1.2+ 7	ANL	EXPT	PR/C	28	2222	83	FILIPPONE+ TOTAL SIGMA CURV	
004 BE 007	(P,G)	CS	1.1+ 5	1.2+ 6	ANL	EXPT	PRL	50	412	83	FILIPPONE+ TOTAL SIGMA CURV	
004 BE 009	(G,A)	CS	1.8+ 7	2.6+ 7	TOR	EXPT	CJP	56	47	78	BUCHNA+ INTEGRATED SIGMA	+
004 BE 009	(G,ABSORPTION)	CS	1.5+ 7	2.7+ 7	YUG	EXPT	NP	31	570	62	MIKLAVZIC+ TOT.ABSORPT.SIGMA CURVE	+
004 BE 009	(G,ABSORPTION)	CS	1.0+ 7	3.0+ 7	CCP	EXPT	SNP	9	534	69	DOLBILKIN+ SIGMA TBL & CURVE	+
004 BE 009	(G,ABSORPTION)	CS	6.4+ 6		ISL	EXPT	NP/A	252	423	75	MOREH+ ATTENUAT. COEFF.	+
004 BE 009	(G,A EMISSION)	CS	2.3+ 8		CCP	EXPT	SNP	44	895	86	LIKHACHEV+ SIGMA CURVE	+
004 BE 009	(G,D)	AD	6.2+ 8		CCP	EXPT	SNP	14	502	72	ANTUF'EV+ DIFF.SIGMA CURVE	+
004 BE 009	(G,D)	CS		4.5+ 7	USA	THEO	NP	33	1	62	MADSEN+ SIGMA CURVE	+
004 BE 009	(G,D)	CS	4.5+ 7	9.0+ 7	CCP	THEO	NP/A	54	125	64	SHKLYAREVSKY INTEGRAT.SIGMA CURVE	+
004 BE 009	(G,D)	CS	2.0+ 7	8.0+ 7	CCP	EXPT	SNP	3	198	66	VOLKOV+ INTEGRAL SIGMA	+
004 BE 009	(G,D)	DD	3.6+ 8	6.0+ 8	JPN	EXPT	NP/A	448	578	86	BABA+ DIFF.SIGMA	+
004 BE 009	(G,DISINTEGR.)	CS	1.7+ 6	1.9+ 6	LRL	EXPT	PR	127	231	62	JOHN+ PHOTODISINT.SIGMA	+
004 BE 009	(G,DISINTEGR.)	ED	1.8+ 7	3.4+ 7	SWT	EXPT	NP/A	59	375	64	BECCHI+ ALPHA SPECTRUM	
004 BE 009	(G,G)	CS	3.0+ 7		CCP	THEO	SNP	43	373	86	DUBOVOI+ CALC.SIGMA	+
004 BE 009	(G,INELASTIC)	ED	6.2+ 9		GER	EXPT	ZP	212	235	68	BRANDES 2ND PHOTON SPECTRUM	
004 BE 009	(G,INELASTIC)	ED		3.2+ 7		EXPT	YF	32	11	80	ISHKHANOV+	
004 BE 009	(G,MISCELLAN.)	CS	1.6+ 6		JPN	EXPT	CJP	61	1579	83	FUJISHIRO+ 3BODY BREAK,SIGMA RATIO	
004 BE 009	(G,MESON)	YD	1.2+ 9		COR	EXPT	PR	133	B1200	64	SADOFF+ MESON PHOTOPRODUCTION	
004 BE 009	(G,N)		1.7+ 6	2.2+ 6		EXTH	CJP	60	1672	82	FUJISHIRO+	
004 BE 009	(G,N)	AD	1.8+ 7		PEN	EXPT	PR	103	1755	56	FABRICAND+ DIFF.SIGMA CURVE	+
004 BE 009	(G,N)	AD	1.7+ 6	4.6+ 6	USA	EXPT	PR	123	229	61	JACKSON PHOTODISINT.SIGMA	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
004	BE	009	(G,N	) CS	NDG		POL	THEO	PR	101	1185	56	CZYZ SIGMA FORMULA	
004	BE	009	(G,N	) CS	2.6+ 6	8.1+ 6	AUL	EXPT	NP	2	485	56	EDGE SIGMA TBL	+
004	BE	009	(G,N	) CS	1.7+ 6	1.9+ 6	ORL	EXPT	PR	114	1319	59	GIBBONS+ PRECISION MEAS.SIGAMA	+
004	BE	009	(G,N	) CS	0. + 0	1.2+ 6	ORL	THEO	PR	120	2175	60	FRANCIS+ CAL.SIGMA CURVE	+
004	BE	009	(G,N	) CS	1.7+ 6	4.6+ 6	USA	EXPT	PR	123	229	61	JACKSON PHOTODISINT.SIGMA	+
004	BE	009	(G,N	) CS	2. + 6	3.2+ 7	YUG	EXPT	NP	37	396	62	CUJEC SIGMA CURVE	+
004	BE	009	(G,N	) CS	2. + 6	3.8+ 7	LRL	EXPT	PR	163	958	67	BERMAN+ SIGMA CURVE	+
004	BE	009	(G,N	) CS	0.0+ 0	4.0+ 7	USA	THEO	PR/C	2	1653	70	SALYERS CAL.SIGMA CURVE	+
004	BE	009	(G,N	) CS	1.5+ 9	4.5+ 9	CCP	EXPT	SNP	26	117	77	GALSTYAN BE-9 FORMATION SIGMA	
004	BE	009	(G,N	) CS	1.8+ 7	2.6+ 7	CAN	EXPT	CJP	55	364	77	BUCHNEA+ SIGMA CURVE	+
004	BE	009	(G,N	) CS	1.8+ 7	2.6+ 7	TOR	EXPT	CJP	56	47	78	BUCHNA+ INTEGRATED SIGMA	+
004	BE	009	(G,N	) ED	7.0+ 7		CAN	EXPT	CJP	33	785	55	DIXON ENERGY & ANGL.DISTRIBUTION	
004	BE	009	(G,N	) ED		3.5+ 7	CCP	EXPT	NP/A	65	662	65	KOMAR+ ALPHA SPECTRUM	
004	BE	009	(G,N	) ED	3. + 6	1.7+ 7	AUL	EXPT	NP/A	76	377	66	THOMPSON+ PHOTONEUT.SPECTRUM	
004	BE	009	(G,N	) ED	7.0+ 8	1.2+ 9	CCP	EXPT	SNP	13	265	71	ANTUF'EV+ DEUTERON SPECT.	
004	BE	009	(G,N	) YD	NDG		WAS	THEO	PR	123	2151	61	BLAIR PHOTODISINT.	
004	BE	009	(G,P	)	1.9+ 8	4.3+ 8		EXPT	PR/C	35	1828	87	KANAZAWA+	
004	BE	009	(G,P	) AD	1.5+ 8	1.9+ 8	USA	EXPT	PR	129	1362	63	FIM+ DIFF.SIGMA TBL	+
004	BE	009	(G,P	) AD		4.0+ 8	SWD	EXPT	ZP	265	1	73	DOUGAN+ DIFF.SIGMA TABLE	+
004	BE	009	(G,P	) AD		6.0+ 8	LND	EXPT	ZP/A	284	165	78	DOUGAN DIF. SIGMA	+
004	BE	009	(G,P	) AD	3.6+ 8	6.0+ 8	HIR	EXPT	NP/A	415	462	84	BABA+ SIGMA CURV	
004	BE	009	(G,P	) CS		2.5+ 7	PEN	EXPT	PR	104	108	56	COHEN+ SIGMA CURVE	+
004	BE	009	(G,P	) CS	1.7+ 7	5.7+ 7	USA	EXPT	PR	126	1822	62	CLIKEMAN+ SIGMA CURVE	+
004	BE	009	(G,P	) CS	1.7+ 7	2.6+ 7	YUG	EXPT	NP	37	396	62	CUJEC SIGMA CURVE	+
004	BE	009	(G,P	) CS	2.0+ 7	5.0+ 7	CCP	EXPT	SNP	3	192	66	DENISOV+ INTEGRAT.SIGMA CURVE	+
004	BE	009	(G,P	) CS	2.0+ 7	8.0+ 7	CCP	EXPT	SNP	3	198	66	VOLKOV+ INTEGRAL SIGMA	+
004	BE	009	(G,P	) CS	1.0+ 8	6.0+ 8	SWD	EXPT	ZP/A	284	165	78	DOUGAN PARTIAL&DIFF.SIGMA CURVE	+
004	BE	009	(G,P	) ED		3.5+ 7	CCP	EXPT	NP/A	65	662	65	KOMAR+ PROTON SPECTRUM	
004	BE	009	(G,P	) ED	7.0+ 8	1.2+ 9	CCP	EXPT	SNP	13	265	71	ANTUF'EV+ DEUTERON SPECT.	
004	BE	009	(G,P	) ED	1.9+ 8	4.3+ 8	TOK	EXPT	PRL	52	2536	84	HOMMA+ AT 30DEG.,DIFF.SIGMA CURV	
004	BE	009	(G,P	) XX	3.4+ 8		USA	EXPT	PR	128	2784	62	LIU+ POLARIZATION OF PHOTOPROTONS	
004	BE	009	(G,P	) XX	3.5+ 8		CCP	EXPT	SNP	51	385	90	ZYBALOV+ PROTON POLARIZATION	
004	BE	009	(G,PION +	) DD	2.2+ 8	4.5+ 8	GER	EXPT	NP/A	526	479	91	ARENDS+ DOUBL.DIFF.SIGMA CURVE	+
004	BE	009	(G,PION -	) DD	2.2+ 8	4.5+ 8	GER	EXPT	NP/A	526	479	91	ARENDS+ DOUBL.DIFF.SIGMA CURVE	+
004	BE	009	(G,PION	) CS	1.0+ 9		COR	EXPT	PR	123	1423	61	MCCLELLAND CHARGED MESON PRODUCT.	+
004	BE	009	(G,PION	) CS	1.5+10	3.0+10	CCP	EXPT	SNP	33	540	81	ALEKSANDROV+ PION PRODUCT.SIGMA	+
004	BE	009	(G,PION	) CS	2.0+ 8	9.0+ 8	CCP	EXPT	SNP	42	1	85	ARAKELYAN+ TOTAL PRODUCT. SIGMA	+
004	BE	009	(G,PION	) YD	4.0+ 8		CCP	EXPT	SNP	19	10	74	GONCHAROV+ PION SPECTRA	
004	BE	009	(G,PN	)	1.9+ 8	4.3+ 8		EXPT	PR/C	35	1828	87	KANAZAWA+	
004	BE	009	(G,SCATTERING	) CS	5.0+ 7	1.3+ 8	MIT	EXPT	PR	105	982	57	PUGH+ SIGMA CURVE	+
004	BE	009	(G,T	)	1.6+ 7	1.8+ 7	NED	EXPT	NP/A	462	205	87	ZIJDERHAND+	+
004	BE	009	(G,T	) CS	2.0+ 7	8.0+ 7	CCP	EXPT	SNP	3	198	66	VOLKOV+ INTEGRAL SIGMA	+
004	BE	009	(G,T	) DD	3.6+ 8	6.0+ 8	JPN	EXPT	NP/A	448	578	86	BABA+ DIFF.SIGMA	+
004	BE	009	(G,T	) ED		1.2+ 9	CCP	EXPT	SNP	15	357	72	ANTUF'EV+ ANG. & ENER.DIFF SIGMA	+
004	BE	009	(G,X	) CS	1.0+ 7	2.2+ 8	GER	EXPT	NP/A	251	479	75	AHRENS+ SIGMA CURVE	+
004	BE	009	(G,X	) YD	1.9+ 8	4.3+ 8	TOK	EXPT	PRL	52	2026	84	HOMMA+ PP,PN EMISS.	
004	BE	009	(G,X	) YD	1.4+ 7	1.7+ 7	NED	THEO	NP/A	539	1	92	KIKSTRA+ GAMMA WIDTH	
004	BE	009	(G,XN	) CS	6. + 6	2.7+ 7	AUL	EXPT	NP/A	196	89	72	THOMAS+ SIGMA CURVE	+
004	BE	009	(G,XN	) CS	1.8+ 7	2.8+ 7	AML	EXPT	NP/A	238	189	75	HUGHES+ SIGMA CURVE	+
004	BE	009	(G,XN	) CS	1.7+ 7	3.7+ 7	GER	EXPT	NP/A	247	91	75	KNEISSL+ ABSOL.SIGMA CURVE	+
004	BE	009	(G,2N	) CS	1.7+ 7	3.7+ 7	GER	EXPT	NP/A	247	91	75	KNEISSL+ ABSOL.SIGMA CURVE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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	ZP	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)	AD		2.3+ 8	STF	EXPT	PR	144	859	66	RAND+ MAGNETIC FORM FACTOR	
004	BE	009	(E,ELASTIC)	AD	5.3+ 7		GER	EXPT	NP/A	101	527	67	ALFRED+ DIFF.SIGMA TABLE	+
004	BE	009	(E,G)	AD	5. + 5	1.0+ 6	NBS	EXPT	PR	100	1560	55	MOTZ BREM.DIFF.SIGMA	+
004	BE	009	(E,G)	AD	1.0+ 6	2.0+ 6	USA	EXPT	NP/A	118	129	68	RESTER DIFF.SIGMA CURVE	+
004	BE	009	(E,G)	DD	2.7+ 6	9.7+ 6	NBS	EXPT	PR	102	1598	56	STARFELT+ DIFF.SIGMA CURVE	+
004	BE	009	(E,G)	ED	3.0+ 7	1.2+ 8	UK	THEO	NIM	111	157	73	MATTHEWS+ BREMSST.SPECT.CURVE	+
004	BE	009	(E,INELASTIC)		1.4+ 7	1.8+ 7	MIT	EXPT	PR/C	28	489	83	LOURIE+ TRANSVERS FORM FACTOR	
004	BE	009	(E,INELASTIC)	AD	4.2+ 7		STF	EXPT	PR	128	2750	62	EDGE+ SIGMA TBL	+
004	BE	009	(E,INELASTIC)	AD	2.5+ 7	5.8+ 7	GER	EXPT	NP/A	120	441	68	CLERC+ DIFF.SIGMA TABLE	+
004	BE	009	(E,INELASTIC)	AD	1.8+ 7	1.1+ 8	UK	EXPT	NIM	101	203	72	HOGG+ TYPICAL SPECTRUM	
004	BE	009	(E,INELASTIC)	AD	6.6+ 7	1.1+ 8	UK	EXPT	NP/A	208	157	73	SLIGHT+ FORM FACTOR	
004	BE	009	(E,INELASTIC)	AD	1.2+ 9		CCP	EXPT	SNP	19	240	74	TITOV+ DIFF.SIGMA CURVE	+
004	BE	009	(E,INELASTIC)	AD	1.5+ 8	2.3+ 8	MIT	EXPT	PR/C	43	1740	91	GLICKMAN+ SIGMA TABLE	+
004	BE	009	(E,INELASTIC)	CS	7.0+ 8		TOK	EXPT	NP/A	296	431	78	IZUTSU+ PROTON SPECTRAL FUNCTION	
004	BE	009	(E,INELASTIC)	CS	8. + 9	2.5+ 9	STF	EXPT	PRL	52	727	84	ARNOLD+	
004	BE	009	(E,INELASTIC)	CS	7.3+ 8		NBS	EXPT	PRL	53	1627	84	O'CONNELL+ AT 37.1DEG./SIGMA CURV	
004	BE	009	(E,INELASTIC)	DD	NDG		CCP	THEO	NP/A	129	369	69	BALASHOV+ DOUBLE DIFF.SIGMA PLOT	+
004	BE	009	(E,INELASTIC)	DD	NDG		USA	THEO	PR/C	44	2694	91	TALWAR+ COULOMB DISTORT.EFFECT	
004	BE	009	(E,INELASTIC)	ED	6.0+ 7	2.5+ 8	CSN	EXPT	NP	42	62	63	NGUYEN+ BE-9 EXCIT. CURVE	
004	BE	009	(E,INELASTIC)	ED		8.0+ 7		EXPT	YF	30	5	79	VUKI+ ELECTRODISINT. FORM FACT.	
004	BE	009	(E,INELASTIC)	XX	NDG		UBC	THEO	PR	128	1343	62	KUNZ	
004	BE	009	(E,INELASTIC)	YD	1.4+ 7	2.2+ 7	SAS	EXPT	PR/C	7	2228	73	BERGSTROM+ FORM FACTOR	
004	BE	009	(E,INELASTIC)	YD	3.8+ 7		THD	EXPT	NIM	153	29	78	SCHUILL+	
004	BE	009	(E,INELASTIC)	YD	NDG		CBR	THEO	NP/A	427	73	84	WOODS+ TRANSV.FORM FACTOR	
004	BE	009	(E,P)	CS	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	KUPLENNIKOV+ QUASIELASTIC SCAT.	
004	BE	009	(E,SCATTERING)	DD	1.2+ 9		CCP	EXPT	SNP	18	10	74	KUPLENNIKOV+ 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	KUPLENNIKOV+	
004	BE	009	(E,SCATTERING)	YD	3.0+ 8		GER	EXPT	CJP	66	513	88	NEUHAUSEN ASYMMETRY PARAMETER	
004	BE	009	(E,X)	YD	1.0+ 7		LRL	EXPT	PR	121	866	61	JUPITER+ RADIATION FROM POSITRON	
004	BE	009	(E,X)	YD	1.1+ 8	1.2+ 8	CCP	EXPT	SNP	7	181	68	BORZHKOVSKII+ DISINT.PRODUCTS	
004	BE	009	(N,G)	YD	2.5- 2		YAL	EXPT	NP	47	108	63	DRAPER+ TRANSIT.INTENSITY	
004	BE	009	(P,G)	AD	2.7+ 5	1.2+ 6	USA	EXPT	PR	115	1227	59	MEYERHOF+ 90DEG.DIFF.SIGMA CURVE	+
004	BE	009	(P,G)	CS	8.5+ 5	1.1+ 6	UK	EXPT	NP	35	606	62	ELLISON+ GAMMA EXCIT. FUNCTION	+
004	BE	009	(P,G)	CS	5.6+ 5	3.6+ 6	ORE	EXPT	PR/C	4	1601	71	BATTLESON+ SIGMA CURVE	+
004	BE	009	(P,G)	CS	4.0+ 4	1.8+ 5	USA	EXPT	NP/A	539	75	92	CECIL+ SIGMA CURVE	+
004	BE	009	(P,G)	YD	2.5+ 6	5.6+ 6	NOR	EXPT	PR	98	727	55	LONSJO+ HIGH ENERGY GAMMA YIELD	
004	BE	009	(P,G)	YD	1.1+ 6		UK	EXPT	NP	33	502	62	MEADS+ B-10 LEVEL WIDTH	
004	BE	009	(P,G)	YD	1.0+ 7	1.5+ 7	COL	EXPT	PR	157	921	67	FELDMAN+ PROTON-CAPT.GAMMA	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
004 BE 009	(P,G	) YD	2.2+ 5	1.2+ 6	SWT	EXPT	NP/A	242	129	75	AUWARTER+ B-10 LEVEL	
004 BE 009	(D,G	) AD	5. + 5	5.5+ 6	FR	EXPT	NP/A	75	226	66	SUFFERT 90DEG.DIFF.SIGMA CURVE	+
004 BE 009	(D,G	) AD	2.9+ 6	1.2+ 7	CAN	EXPT	NP/A	232	333	74	DEL BIANCO+ LEGENDRE COEF. TBL	+
004 BE 009	(D,G	) CS	4. + 5	1.4+ 6	GER	EXPT	NP/A	83	145	66	ZIEGLER+ SIGMA CURVE	+
004 BE 009	(H,G	) AD	3. + 6	2.6+ 7	YAL	EXPT	PR/C	9	76	74	SHAY+ DIFF.SIGMA CURVE	+
004 BE 010	(P,G	) YD	6. + 5	6.3+ 6	USA	EXPT	PR/C	1	123	70	GOOSMAN+ B-11 LEVEL	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
005 B 000	(G,P	) AD	1.4+ 8	1.8+ 8	USA	EXPT	PR	129	1362	63	KIM+ DIFF.SIGMA TBL	+
005 B 000	(G,P	) DD	3.6+ 8	6.0+ 8		EXTH	PL/B	113	459	82	BABA+	
005 B 000	(G,P	) ED		3.6+ 7	STF	EXPT	PR	127	1746	62	DODGE+ PHOTOPROTON SPECTRA	
005 B 000	(G,P	) XX	3.4+ 8		USA	EXPT	PR	128	2784	62	LIU+ POLARIZATION OF PHOTOPROTONS	
005 B 000	(E,X	) YD	1. + 3	4. + 3	GER	EXPT	ZP	229	131	69	HOFFMANN+ CHARACT.X-RAY DEPTH DIST	
005 B 000	(N,G	) CS	2.5- 2		BNL	EXPT	NSE	8	453	60	GOULD+ ABSORPTION SIGMA	+
005 B 000	(N,G	) CS	2.5- 2		COL	EXPT	NSE	9	99	61	SAFFORD+ PRECISION MEASURMENT	+
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	) CS	9.0+ 6	1.1+ 7	USA	EXPT	PR	135	B701	64	GREEN+ SIGMA TBL & CURVE	+
005 B 010	(G,N	) CS	8. + 6	2.7+ 7	AUL	EXPT	NP/A	215	147	73	HUGHES+ INTEGRAT.SIGMA	+
005 B 010	(G,P	) CS		1.3+ 7	CCP	EXPT	SNP	8	245	69	SHARDANOV+ SIGMA TBL	+
005 B 010	(G,PION	) AD	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	) CS	6. + 6	3.0+ 7	NBS	EXPT	NP/A	69	241	65	HAYWARD+ SIGMA CURVE & TABLE	+
005 B 010	(E,ELASTIC	) AD		2.3+ 8	STF	EXPT	PR	144	859	66	RAND+ MAGNETIC FORM FACTOR	
005 B 010	(E,ELASTIC	) AD	2.0+ 8	4.0+ 8	FR	EXPT	NP/A	86	225	66	STOVALL+ DIFF.SIGMA TABLE	+
005 B 010	(E,INELASTIC	) AD	4.2+ 7		STF	EXPT	PR	128	2750	62	EDGE+ SIGMA TBL	+
005 B 010	(E,INELASTIC	) AD	3.2+ 7	5.7+ 7	GER	EXPT	ZP	191	24	66	SPAMER DIFF.SIGMA TABLE	+
005 B 010	(E,INELASTIC	) AD	4.0+ 7	6.1+ 7	NRL	EXPT	PR/C	14	1727	76	FAGG+	
005 B 010	(E,INELASTIC	) CS	5.0+ 7	6.0+ 7	STF	EXPT	NP/A	81	529	66	KOSSANYI-DEMAY+ SIGMA CURVE/TABLE	+
005 B 010	(E,INELASTIC	) CS	7.0+ 8		TOK	EXPT	NP/A	296	431	78	IZUTSU+ PROTON SPECTRAL FUNCTION	
005 B 010	(E,INELASTIC	) ED	6.7+ 7	1.9+ 8		EXPT	NP/A	322	237	79	ANSACDO+ SCATT. FORM FACTOR	
005 B 010	(E,INELASTIC	) XX	1.0+ 8	2.2+ 8	STF	EXPT	NP/A	67	187	65	FRICKE+ INELASTIC FORM FACTOR	
005 B 010	(E,P	) CS	7.0+ 8		TOK	EXPT	NP/A	296	431	78	IZUTSU+ PROTON SPECTRAL FUNCTION	
005 B 010	(E,SCATTERING)	ED	8.3+ 6	9.7+ 6	UFT	EXPT	SNP	28	5	78	SHEVCHENKO+ RES ANALYSIS	
005 B 010	(E,SCATTERING)	XX	NDG		USA	THEO	PR/C	1	547	70	RAPHAEL+ FORM FACTOR	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
005	B	010	(E,X	) AD	NDG		CCP	THEO	SNP	15	31	72	TARTAKOVSKII+ DIFF.SIGMA CURVE	+
005	B	010	(N,G	) CS	2.9- 5	1. - 1	BNL	EXPT	PR	119	1291	60	SAFFORD+ PRECISION SIGMA	+
005	B	010	(N,G	) CS	2.5- 2		ANL	EXPT	NSE	40	12	70	MEADOWS+ PULSE-NEUTRON METHOD	+
005	B	010	(N,G	) YD	5.0+ 4	5. + 6	USA	EXPT	PR/C	1	847	70	NELLIS+ GAMMA YIELD	
005	B	010	(N,G	) YD	1.5+ 7		USA	EXPT	PR/C	1	847	70	NELLIS+ GAMMA YIELD	
005	B	010	(N,G	) YD	2.5- 2		NED	EXPT	ZP/A	324	271	86	KOK+ GAMMA YIELD	
005	B	010	(P,G	) CS	2.2+ 6	1.9+ 7	STF	EXPT	NP/A	151	129	70	KUAN+ SIGMA CURVE	+
005	B	010	(P,G	) DD	1.1+ 6			EXPT	PR/C	20	920	79	ANTTILA+ LIFETIME OF LEVELS	
005	B	010	(P,G	) YD	1.1+ 6		CAV	EXPT	NP	24	675	61	JAMES GAMMA FROM RESONANCE	
005	B	010	(P,G	) YD	7. + 4	2.2+ 6	OSU	EXPT	PR/C	28	1431	83	WIESCHER+ SIGMA CURV	
005	B	011	(G,ELASTIC	) CS		1.1+ 7		EXPT	PL/B	92	286	80	MOREH+ DEPEND.OF RES. SCATT.	
005	B	011	(G,G	) XX	4.5+ 6	5.0+ 6	USA	EXPT	PR	114	590	59	COHEN+ RES.INTEGRAL	
005	B	011	(G,G	) YD	2. + 6	1.6+ 7	LRL	EXPT	PR	125	335	62	SEWARD RESONANT SCATT.	
005	B	011	(G,G	) YD	5. + 5	3.0+ 6	USA	EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	
005	B	011	(G,G	) YD		2.7+ 6	USA	EXPT	NP/A	63	634	65	KENNEDY+ NUCL.FLUORESCENCE	
005	B	011	(G,G	) YD	1.8+ 6	3.6+ 6	BLG	EXPT	NP/A	120	126	68	CRETEN+ LEVEL WIDTH	
005	B	011	(G,G	) YD		1.5+ 7	TOH	EXPT	NIM	157	423	78	KUMAGAI+ LEVEL WIDTH OF B-11	
005	B	011	(G,N	) CS	1.1+ 7	2.8+ 7	AUL	EXPT	NP/A	215	147	73	HUGHES+ INTEGRAT.SIGMA	+
005	B	011	(G,P	) CS	1.5+ 7	3.2+ 7	CCP	EXPT	SNP	9	149	69	SOROKIN+ SIGMA TBL & CURVE	+
005	B	011	(G,P	) CS	1.7+ 7	1.9+ 7	CCP	EXPT	SNP	11	4	70	SOROKIN+ SIGMA CURVE & TBL	+
005	B	011	(G,P	) CS	1.0+ 8	8.0+ 8	SWD	EXPT	NP/A	239	440	75	ADLER+ SIGMA CURVE	+
005	B	011	(G,PION -	) CS	1.2+ 9		SWD	EXPT	NP/A	162	193	71	BLOMQVIST+ PI- PRODUCT.SIGMA CURV	+
005	B	011	(G,PION	) CS	8.0+ 7	3.0+ 8	UI	EXPT	PR	127	2217	62	DYAL+ SIGMA CURVE	+
005	B	011	(G,PION	) CS	3.6+ 8	2. +12	CCP	EXPT	SNP	14	506	72	NDGA+ SIGMA CURVE	+
005	B	011	(G,PION	) CS	1.4+ 8		RPI	EXPT	PR/C	14	807	76	MIN+ SIGMA	+
005	B	011	(G,PION	) CS		4.0+ 8	CCP	EXPT	SNP	23	129	76	EPANESHNIKOV+ SIGMA CURVE	+
005	B	011	(G,SCATTERING)	YD	3.0+ 6		BLG	EXPT	NP	43	344	63	VANHUYSE+ B-11 STATE	
005	B	011	(G,T	) CS	2.0+ 7	3.2+ 7	CCP	EXPT	SNP	44	361	86	ALIMOV+ INTEGRATED SIGMA	+
005	B	011	(G,XG	) ED		3.0+ 7		EXPT	YF	30	1175	79	KAPITONOV+ DECAYS, LEVEL DATA	
005	B	011	(G,XN	) CS	6. + 6	3.0+ 7	NBS	EXPT	NP/A	69	241	65	HAYWARD+ SIGMA CURVE & TABLE	+
005	B	011	(G,2P	) CS	1.0+ 8	3.2+ 8	USA	EXPT	PR	110	708	58	TAUTFEST ACTIVATION CURVE	+
005	B	011	(G,3P	) CS		2.5+ 8	USA	EXPT	NP/A	88	523	66	NEFKENS+ SIGMA TABLE	+
005	B	011	(E,ELASTIC	) AD		2.3+ 8	STF	EXPT	PR	144	859	66	RAND+ MAGNETIC FORM FACTOR	
005	B	011	(E,ELASTIC	) AD	2.0+ 8	4.0+ 8	FR	EXPT	NP/A	86	225	66	STOVALL+ DIFF.SIGMA TABLE	+
005	B	011	(E,INELASTIC	) AD	4.2+ 7		STF	EXPT	PR	128	2750	62	EDGE+ SIGMA TBL	+
005	B	011	(E,INELASTIC	) AD	3.2+ 7	5.7+ 7	GER	EXPT	ZP	191	24	66	SPAMER DIFF.SIGMA TABLE	+
005	B	011	(E,INELASTIC	) AD	4.5+ 6	5.0+ 6	GER	EXPT	ZP	198	445	67	SPAMER+ DIFF.SIGMA TABLE/CURVE	+
005	B	011	(E,INELASTIC	) AD	5.2+ 7	9.0+ 7	UMA	EXPT	PR/C	11	323	75	KAN+ DIFF. SIGMA TABLE	+
005	B	011	(E,INELASTIC	) CS	5.0+ 7	6.0+ 7	STF	EXPT	NP/A	81	529	66	KOSSANYI-DEMAY+ SIGMA CURVE/TABLE	+
005	B	011	(E,INELASTIC	) DD	NDG		CCP	THEO	NP/A	129	369	69	BALASHOV+ DOUBLE DIFF.SIGMA PLOT	+
005	B	011	(E,INELASTIC	) ED	1.2+ 8	2.5+ 8		EXPT	YF	29	582	79	POLISHUK+ COULOMB FORM FACTOR	
005	B	011	(E,SCATTERING)	XX	NDG		STF	THEO	PR	139	8880	65	GRIFFY+ MAGNETIC FORM FACTOR	
005	B	011	(E,SCATTERING)	XX	6.0+ 8	1.2+ 9	CCP	EXPT	SNP	13	144	71	VLASENKO+ DOUBL.DIFF.SIGMA CURVE	+
005	B	011	(E,X	) AD	NDG		CCP	THEO	SNP	15	31	72	TARTAKOVSKII+ DIFF.SIGMA CURVE	+
005	B	011	(N,G	) CS	2.5- 2	2.3+ 6	USA	EXPT	PR	125	1334	62	IMHOF+ SIGMA CURVE	+
005	B	011	(P,G	) AD	6.7+ 5	2.7+ 6	CRC	EXPT	PR	97	104	55	GOVE+ ANGL.DIST.OF P-CAPT.GAMMA	
005	B	011	(P,G	) AD	1.7+ 5		CRC	EXPT	PR	103	1414	56	CRAIG+ ANGL.DIST. OF GAMMA	
005	B	011	(P,G	) AD	4. + 6	1.4+ 7	ANL	EXPT	NP/A	58	122	64	ALLAS+ GAMMA ANGL.YIELD	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
005	B	011	(P,G	) AD	0	1.4+ 7	ITY	THEO	NP/A	132	649	69	MARANGONI+ COUPL.-CHANNEL CAL.	+
005	B	011	(P,G	) AD	1.8+ 7	4.3+ 7	GVA	EXPT	NP/A	399	66	83	ANGHINOLFI+ DIF.SIGMA TBL & CURV	+
005	B	011	(P,G	) AD	2. + 7	8.0+ 7	OSU	EXTH	PR/C	30	423	84	BLATT+ EP VS SIGMA CURV	
005	B	011	(P,G	) AD	2.0+ 7	1.0+ 8	OSU	EXPT	PR/C	37	503	88	HAUSMAN+ DIFF.SIGMA	+
005	B	011	(P,G	) CS	4. + 6	7.7+ 6	CBR	EXPT	NP	10	33	59	GEMMELL+ SIGMA VALUE	+
005	B	011	(P,G	) CS	1.5+ 7	2.5+ 7	USA	EXPT	NP	44	338	63	REAY+ PARTIAL SIGMA	+
005	B	011	(P,G	) CS	NDG		JPN	THEO	NP/A	95	129	67	KAMIMURA+ SIGMA CURVE	+
005	B	011	(P,G	) CS	1.3+ 7	2.1+ 7	UK	EXPT	NP/A	123	205	69	KERNEL+ PARTIAL SIGMA CURVE	+
005	B	011	(P,G	) CS	1.4+ 7	2.2+ 7	YAL	EXPT	PR/C	6	53	72	BRASSARD+ SIGMA CURVE	+
005	B	011	(P,G	) CS	5. + 5	1.4+ 7	POL	EVAL	ZP/A	322	611	85	KICINSKA-HABIOR+ SIGMA CURVE	+
005	B	011	(P,G	) CS	4.0+ 4	1.8+ 5	USA	EXPT	NP/A	539	75	92	CECIL+ SIGMA CURVE	+
005	B	011	(P,G	) ED	4.0+ 7	8.0+ 7		EXPT	PRL	42	700	79	KOVASH+ C-12 LEVELS	
005	B	011	(P,G	) YD	2. + 6	5. + 6	ORL	EXPT	PR	100	21	55	BAIR+ GAMMA/NEUTRON YIELD	
005	B	011	(P,G	) YD	2.4+ 6	7.2+ 6	AUL	EXPT	NP	33	198	62	OPHEL+ GAMMA YIELD	
005	B	011	(P,G	) YD	6. + 6	1.3+ 7	USA	EXPT	NP	42	669	63	BECKER+ P-CAPT. CURVE	
005	B	011	(P,G	) YD		4.0+ 7		EXPT	PRL	42	1253	79	ARNOLD GAM-SPECT TBL	
005	B	011	(P,G	) YD	5.0+ 7		OSA	EXPT	PR/C	31	242	85	NOMACHI+ GAMMA RAYS	
005	B	011	(D,G	) CS	1. + 6	4. + 6	USA	EXPT	NP/A	211	221	73	WELLER+ SIGMA & RESONANCES	+
005	B	011	(D,G	) CS	2.0+ 6	1.2+ 7	CAN	EXPT	CJP	59	781	81	KAJRYS+ 90DEG.DIFF.SIGMA CURVE	+
005	B	011	(D,G	) CS	2.0+ 6	1.2+ 7	CAN	EXPT	CJP	59	781	81	KAJRYS+ 90DEG.DIFF.SIGMA CURVE	+
005	B	011	(D,G	) CS	1.7+ 6	3.5+ 6	DKE	EXPT	PR/C	32	1420	85	AUGUST+ 90DEG. SIGMA CURVE	+
005	B	011	(D,G	) YD	2.5+ 6		USA	EXPT	PR	131	2594	63	KIM+ ANGULAR CORRELATION	
005	B	011	(A,G	) AD	6. + 6	1.2+ 7	FR	EXPT	NP/A	306	77	78	DEGRE+ EXCITATION CURVES	+
005	B	011	(A,G	) YD	5.7+ 6	1.8+ 7	CAN	EXPT	CJP	55	302	77	DEL BIANCO+ RESONANCE ENERGY	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
006	C	000	(G,ABSORPTION)	CS	3.1+ 7		USA	EXPT	PR	114	1324	59	PENFOLD+ TOT.PHOTON ABSORPT.SIGMA	+
006	C	000	(G,ABSORPTION)	CS	1.3+ 7	8.0+ 7	NBS	EXPT	PR	117	1261	60	WYCKOFF+ ATTENUAT.COEFF.TBL/CURVE	+
006	C	000	(G,ABSORPTION)	CS	1.0+ 7	3.0+ 7	KFK	EXPT	NP	17	238	60	ZIEGLER ABSORPT.SIGMA	+
006	C	000	(G,ABSORPTION)	CS	1.0+ 8	2.5+ 8	UK	EXPT	NP/A	94	73	67	BROOKES+ TOT.ABSORP.SIGMA TBL/CRV	+
006	C	000	(G,ABSORPTION)	CS	1.0+ 7	3.0+ 7	YUG	EXPT	NIM	75	190	69	BEZIC+ TOT.ABSORPT.SIGMA CURVE	+
006	C	000	(G,DISINTEGR.)	AD	3.4+ 7	9.8+ 7	CSN	EXPT	NP	38	529	62	PARIKH 60DEG.DIFF.SIGMA TBL	+
006	C	000	(G,ELASTIC	) AD	2.0+ 7	5.0+ 7	UI	EXPT	PRL	52	244	84	WRIGHT+ ANG.DIST.SIGMA CURV	
006	C	000	(G,ELASTIC	) AD	1.9+ 7	5.2+ 7	AUI	EXPT	PR/C	32	1174	85	WRIGHT+ DIFF.SIGMA	+
006	C	000	(G,ELASTIC	) CS	1.6+ 6		LRL	EXPT	PR	112	1267	58	ALVAREZ+ 124DEG.SCATT.SIGMA	+
006	C	000	(G,INELASTIC	) AD	1.8+ 7	6.0+ 7	USA	EXPT	PR	116	120	59	PENFOLD+ 135DEG.DIFF.SIGMA CURVE	+
006	C	000	(G,INELASTIC	) ED	6.2+ 9		GER	EXPT	ZP	212	235	68	BRANDES 2ND PHOTON SPECTRUM	
006	C	000	(G,MESON	) DD		3.1+ 7	COR	EXPT	PR	97	469	55	LUCKEY DOUBL.DIFF.SIGMA TBL	+
006	C	000	(G,MESON	) YD	1.2+ 9		COR	EXPT	PR	133	B1200	64	SADOFF+ MESON PHOTOPRODUCTION	
006	C	000	(G,N	) AD	5.0+ 7	7.5+ 7	STF	THEO	PR	100	58	55	DEDRICK CAL.DIFF.SIGMA CURVE	+
006	C	000	(G,N	) AD	2.3+ 7		PEN	EXPT	PR	103	1755	56	FABRICAND+ DIFF.SIGMA CURVE	+
006	C	000	(G,N	) AD	2.1+ 7	2.7+ 7	CCP	EXPT	PR	109	1801	58	BARANOV+ DIFF.SIGMA CURVE	+
006	C	000	(G,N	) CS	2.0+ 7	4.0+ 7	STF	EXPT	NP	26	233	61	VANHUYSE+ SIGMA	+
006	C	000	(G,N	) CS	1.8+ 7	3.7+ 7	LRL	EXPT	PR	143	790	66	FULTZ+ SIGMA CURVE	+
006	C	000	(G,N	) DD	2.1+ 7	2.6+ 7	ITY	EXPT	PR	118	1297	60	EMMA+ ENERG. & ANGL. DIST.	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
006	C	000	(G,N	) ED	7.0+ 7		CAN	EXPT	CJP	33	785	55	DIXON ENERGY & ANGL.DISTRIBUTION	
006	C	000	(G,N	) ED	7.0+ 8	1.2+ 9	CCP	EXPT	SNP	13	265	71	ANTUF'EV+ DEUTERON SPECT.	
006	C	000	(G,NP	) CS	1.8+ 7	2.9+ 7	SWD	EXPT	NIM	5	37	59	KOCKUM+ PHOTO-ABSORPTION SIGMA PLT	+
006	C	000	(G,P	) AD	5.0+ 7	7.5+ 7	STF	THEO	PR	100	58	55	DEDRICK CAL.DIFF.SIGMA CURVE	+
006	C	000	(G,P	) AD		3.5+ 7	CAN	EXPT	CJP	35	987	57	LIVESEY ANGL.DISTRIBUTION	
006	C	000	(G,P	) AD	1.4+ 8	1.9+ 8	USA	EXPT	PR	129	1362	63	KIM+ DIFF.SIGMA TBL	+
006	C	000	(G,P	) AD		4.0+ 8	SWD	EXPT	ZP	265	1	73	DOUGAN+ DIFF.SIGMA TABLE	+
006	C	000	(G,P	) AD		6.0+ 8	SWD	THEO	ZP/A	272	263	75	ANDERSSON+ MODEL CALCULATION	
006	C	000	(G,P	) AD	3.6+ 8	6.0+ 8	HIR	EXPT	NP/A	415	462	84	BABA+ SIGMA CURV	
006	C	000	(G,P	) CS		2.5+ 7	PEN	EXPT	PR	104	108	56	COHEN+ SIGMA CURVE	+
006	C	000	(G,P	) CS		4.0+ 7	STF	EXPT	NP	26	233	61	VANHUYSE+ SIGMA	+
006	C	000	(G,P	) CS	2.0+ 7	2.2+ 7	PEN	EXPT	PR	136	B660	64	SHIN+ SIGMA VALUE	+
006	C	000	(G,P	) DD	9.0+ 7	2.5+ 8	LRL	EXPT	PR	122	1634	61	CENCE+ DOUBL.DIFF.SIGMA CURVE	+
006	C	000	(G,P	) DD	4.0+ 7	4.0+ 8	ORL	THEO	PR/C	13	240	76	GABRIEL PHOTOPROTON SIGMA	+
006	C	000	(G,P	) DD	3.6+ 8	6.0+ 8		EXPT	PL/B	113	459	82	BABA+	
006	C	000	(G,P	) ED	3.1+ 7		GER	EXPT	ZP	174	337	63	FINCKH+ SPECTRUM CURVE	+
006	C	000	(G,P	) ED	7.0+ 8	1.2+ 9	CCP	EXPT	SNP	13	265	71	ANTUF'EV+ DEUTERON SPECT.	
006	C	000	(G,P	) ED	4.0+ 8		SWD	THEO	ZP	269	105	74	DOUGAN+ CAL.SIGMA CURVE	+
006	C	000	(G,P	) XX	3.4+ 8		USA	EXPT	PR	128	2784	62	LIU+ POLARIZATION OF PHOTOPROTONS	
006	C	000	(G,PION +	) AD	5.5+ 8		STF	EXPT	PR	105	1840	57	WILLIAMS+ Z-DEPEND.OF PION PRODUCT	+
006	C	000	(G,PION +	) DD	2.2+ 8	4.5+ 8	GER	EXPT	NP/A	526	479	91	ARENDS+ DOUBL.DIFF.SIGMA CURVE	+
006	C	000	(G,PION +	) YD		3.4+ 8	LRL	EXPT	PR	108	1040	57	IMHOF+ POSITV.PION PRODUCT.	+
006	C	000	(G,PION -	) DD	2.2+ 8	4.5+ 8	GER	EXPT	NP/A	526	479	91	ARENDS+ DOUBL.DIFF.SIGMA CURVE	+
006	C	000	(G,PION	) AD	2.1+ 8	3.4+ 8	USA	EXPT	PR	122	1323	61	PALFREY+ DIFF.SIGMA CURVE	+
006	C	000	(G,PION	) CS	1.0+ 9		COR	EXPT	PR	123	1423	61	MCCLELLAND CHARGED MESON PRODUCT.	+
006	C	000	(G,PION	) CS	5.0+ 8		CCP	EXPT	SNP	14	20	72	GRISHAEV+ SIGMA TBL	+
006	C	000	(G,PION	) CS	2.0+ 8	9.0+ 8	CCP	EXPT	SNP	42	1	85	ARAKELYAN+ TOTAL PRODUCT. SIGMA	+
006	C	000	(G,PION	) YD	1.7+ 8		USA	EXPT	PR	127	1772	62	SCHRACK+ MESON PRODUCTION	
006	C	000	(G,SCATTERING)	AD	1.4+ 5		IND	EXPT	NIM	131	163	75	ROY+ COHERENT SCATT.SIGMA CURVE	+
006	C	000	(G,SCATTERING)	CS	5.0+ 7	1.3+ 8	MIT	EXPT	PR	105	982	57	PUGH+ SIGMA CURVE	+
006	C	000	(G,SCATTERING)	DD		1.1+ 7		EXTH	NIM	166	91	79	MOREH N-CAPT GAMMA SOURCE	
006	C	000	(G,SCATTERING)	XX	1. + 6	3. + 6	CCP	EXPT	SNP	8	502	69	SLABOSPITSKII+ POLARIZATION	
006	C	000	(G,TOTAL	) CS	1.8+ 7	2.9+ 7	USA	EXPT	PR	137	B301	65	MIN+ TOTAL PHOTONEUT. SIGMA CURVE	+
006	C	000	(G,X	) CS		1.7+ 8	CCP	EXPT	SNP	7	301	68	TARAN X=PN,PNA,PA,NA,PT,NH3 SIGMA	+
006	C	000	(G,X	) CS	3.0+ 7	4.0+ 7	CCP	EXPT	SNP	10	119	70	TARAN SIGMA CURVE	+
006	C	000	(G,X	) CS	1.0+ 7	1.6+ 8	GER	EXPT	NP/A	251	479	75	AHRENS+ SIGMA CURVE	+
006	C	000	(G,X	) CS	1.2+ 9		CCP	EXPT	SNP	21	243	75	NOGA+ SIGMA RATIO & SIGMA TBL	+
006	C	000	(E,ABSORPTION)	CS	2.5+ 6	5.0+ 7	GER	THEO	ZP	255	459	72	BORIE+ CAL.PAIR PRODUCT.SIGMA	+
006	C	000	(E,DISINTEGR.)	AD	3.4+ 7	9.8+ 7	CSN	EXPT	NP	38	529	62	PARIKH 60DEG.DIFF.SIGMA TBL	+
006	C	000	(E,ELASTIC	) AD	5.3+ 7		GER	EXPT	NP/A	101	527	67	ALFRED+ DIFF.SIGMA TABLE	+
006	C	000	(E,ELASTIC	) AD	1.0+ 9	1.2+ 9	CCP	THEO	SNP	13	660	71	TITOV+ ELECTROPRODUCT.MECHANISM	
006	C	000	(E,ELASTIC	) AD	1.0+ 5	1.5+ 5	GER	EXPT	ZP	253	421	72	AEHLIG+ DIFF.SIGMA VALUE	+
006	C	000	(E,INELASTIC	) AD	1.2+ 8	2.0+ 8	CCP	EXPT	SNP	9	666	69	GULKAROV+ DIFF.SIGMA TBL	+
006	C	000	(E,INELASTIC	) CS	8. + 9	2.5+ 9	STF	EXPT	PRL	52	727	84	ARNOLD+	
006	C	000	(E,INELASTIC	) CS	7.3+ 8		NBS	EXPT	PRL	53	1627	84	O'CONNELL+ AT 37.1DEG.,SIGMA CURV	
006	C	000	(E,INELASTIC	) DD	NDG		SAC	EXPT	NC/A	76	361	83	BARREAU+ 4ANG. ANSFER	
006	C	000	(E,INELASTIC	) XX	5.0+ 7	1.0+ 8	USA	EXPT	PR/C	9	1418	74	O'BRIEN+ IONIZATION LOSS	
006	C	000	(E,N	) YD	1.0+ 7	3.6+ 7	STF	EXPT	PR	116	1551	59	BARBER+ NEUTRON YIELD	+
006	C	000	(E,P	) AD		4.0+ 7	STF	EXPT	NP	26	233	61	VANHUYSE+ SIGMA	+
006	C	000	(E,P	) AD	1. +12	4. +12	HRV	EXPT	PR	135	B1030	64	CHEN+ DIFF.SIGMA TBL	+
006	C	000	(E,PION	) DD	1.2+ 9		CCP	EXPT	SNP	11	145	70	TITOV+ DOUBL.DIFF.SIGMA CURVE	+

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

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
006	C	012	(G,N	) CS	2.1+ 7		PEN	EXPT	PR	126	709	62	BIANCO+ ACTIVATION SIGMA VALUE	+
006	C	012	(G,N	) CS	3.0+ 7	8.0+ 7	ITY	EXPT	NP	34	637	62	BONAZZOLA+ SIGMA CURVE	+
006	C	012	(G,N	) CS	1.8+ 7	5.2+ 7	CCP	EXPT	SNP	3	522	66	BAZHANOV+ SIGMA CURVE	+
006	C	012	(G,N	) CS	2.1+ 7	2.7+ 7	PEN	EXPT	PR	141	1002	66	LOCHSTET+ SIGMA CURVE	+
006	C	012	(G,N	) CS	2.0+ 7	6.5+ 7	USA	EXPT	PR	143	724	66	COOK+ SIGMA CURVE	+
006	C	012	(G,N	) CS	5.0+ 7	1.6+ 9	CCP	EXPT	SNP	6	312	68	ANTUF'EV+ SIGMA CURVE	+
006	C	012	(G,N	) CS	1.0+ 9	5.5+ 9	ITY	EXPT	NP/A	126	505	69	DE CARVALHO+ SIGMA PLOT	+
006	C	012	(G,N	) CS	1.9+ 7	3.0+ 7	ITY	THEO	NP/A	132	649	69	MARANGONI+ COUPL.-CHANNEL CAL.	+
006	C	012	(G,N	) CS	1.9+ 7	2.8+ 7	SAC	THEO	NP/A	138	481	69	MAHAUX+ DIPOLE SIGMA	+
006	C	012	(G,N	) CS		2.5+ 7	RUM	EXPT	ZP	227	336	69	BACIU+ SIGMA CURVE	+
006	C	012	(G,N	) CS		4.2+ 7	HAR	EXPT	NP/A	156	257.	70	MEDICJS+ INTEGRAT.SIGMA VALUE	+
006	C	012	(G,N	) CS	5. + 6	1.4+ 7	JAN	EXPT	NP/A	156	10	70	FUKUDA SIGMA CURVE & TABLE	+
006	C	012	(G,N	) CS	1.0+ 8	1.1+ 9	SWD	EXPT	NP/A	158	225	70	HYLTEN INTEGRAT.SIGMA	+
006	C	012	(G,N	) CS	1.4+ 8		GER	EXPT	ZP	239	447	70	KAYSER+ INTEGRAL.SIG,A VALUE	+
006	C	012	(G,N	) CS	NDG		CCP	THEO	SNP	12	392	71	GONCHAROVA+ SIGMA CURVE	+
006	C	012	(G,N	) CS	1.5+ 8	9.5+ 8	SWD	THEO	NP/A	171	529	71	ANDERSSON+ SIGMA CURVE	+
006	C	012	(G,N	) CS	3.0+ 8	1.0+ 9	ITY	EXPT	NIM	93	77	71	NAPOLI+ ABSOL.SIGMA VALUE	+
006	C	012	(G,N	) CS	1.9+ 7	2.4+ 7	CCP	EXPT	SNP	14	142	72	ISHKHANOV+ SIGMA CURVE	+
006	C	012	(G,N	) CS	1. + 9	7.4+ 9	SWD	EXPT	NP/A	197	44	72	ANDERSSON+ SIGMA PLOT	+
006	C	012	(G,N	) CS	1.6+ 7	3.9+ 7	BZL	EXPT	PR/C	11	1083	75	WOLYNEC+ SIGMA RATIO	
006	C	012	(G,N	) CS	NDG		BZL	EVAL	NP/A	244	205	75	WOLYNEC+ PHOTO./ELECTRODISINT.	
006	C	012	(G,N	) CS	2.2+ 7	3.0+ 7	JPN	EXPT	NIM	147	563	77	HIRAYAMA+ EFFECT.BREMSST.SIGMA	+
006	C	012	(G,N	) DD	6.4+ 7	1.3+ 8	SAS	EXPT	NP/A	163	637	71	MILLER+ DOUBL.DIFF.SIGMA PLOT	+
006	C	012	(G,N	) ED	3.1+ 7		GER	EXPT	ZP	171	403	63	FUCHS+ NEUTRON SPECTRUM	+
006	C	012	(G,N	) ED		3.3+ 7	ORL	EXPT	NP/A	73	398	65	VERBINSKI+ SPECTRUM PLOT	+
006	C	012	(G,N	) ED		1.0+ 8	SAS	EXPT	NP/A	122	128	68	RAWLINS+ NEUTRON SPECTRA	
006	C	012	(G,N	) YD	NDG		USA	EVAL	PR	97	1185	55	MORINAGA YIELD RATIO	
006	C	012	(G,N	) YD	1.9+ 7	2.0+ 7	PEN	EXPT	PR	119	716	60	GELLER+ ACTIVAT.YIELD CURVE	
006	C	012	(G,NA	) DD	1.2+ 8			EXPT	YF	29	572	79	KIRICHNKO+ ENERG.CORREL.,AV.ENE	
006	C	012	(G,NX	) CS	1.0+ 8	1.5+ 8	FR	EXPT	NP/A	98	409	67	FERRONI+ SIGMA CURVE	+
006	C	012	(G,P	)	1.9+ 8	4.3+ 8		EXPT	PR/C	35	1828	87	KANAZAWA+	
006	C	012	(G,P	) AD	2.4+ 7		USA	EXPT	PR	132	1134	63	MURRAY+ DIFF.SIGMA CURVE	+
006	C	012	(G,P	) AD	6.8+ 6	2.1+ 7	USA	EXPT	NP	48	361	63	WARREN+ ANGL.COEFF.	
006	C	012	(G,P	) AD		5.5+ 7	FR	EXPT	NP/A	77	157	66	PARIKH PHOTOPROTON	
006	C	012	(G,P	) AD		8.0+ 7	ITY	EXPT	NP/A	133	225	69	MANUZIO+ DIFF.SIGMA CURVE	+
006	C	012	(G,P	) AD	8.0+ 7	2.9+ 8	CCP	EXPT	SNP	12	627	71	ANTUF'EV+ DIFF. SIGMA CURVE	+
006	C	012	(G,P	) AD	1.6+ 7	3.0+ 7	GHT	EXPT	PR/C	14	456	76	CARCHON+ INTEGRAL&DIFF. SIGMA	+
006	C	012	(G,P	) AD		1.2+ 8	UFT	EXTH	SNP	27	314	78	KIRCHENKO+ TOTAL (G,P) CS	+
006	C	012	(G,P	) AD	5.0+ 7	2.0+ 8		THEO	NP/A	359	91	81	BOFFI+ DIFF. SIGMA CURVE	+
006	C	012	(G,P	) AD	4.5+ 9		CCP	EXPT	NP/A	367	429	81	ALANAKYAN+ DIFF.SIGMA CURVE	+
006	C	012	(G,P	) AD	6.0+ 6	1.0+ 8	IKO	THEO	PR/C	42	2597	90	VAN DER STEENHOVEN+ CALC.DIF.SIGMA	+
006	C	012	(G,P	) AD	6.0+ 7	1.0+ 8	NED	THEO	PR/C	42	2597	90	STEENHOVEN+ DIFF.SIGMA CURVE	+
006	C	012	(G,P	) AD	4.9+ 7	7.9+ 7	UK	EXPT	NP/A	517	93	90	SPRINGHAM+ DIFF.SIGMA TABLE	+
006	C	012	(G,P	) CS	2.2+ 7	6.2+ 7	NBS	EXPT	PR	114	1101	59	PENNER+ 4PI-SIGMA CURVE	+
006	C	012	(G,P	) CS	4. + 6	7.7+ 6	CBR	EXPT	NP	10	33	59	GEMMELL+ SIGMA VALUE	+
006	C	012	(G,P	) CS	3.0+ 7	9.0+ 7	CCP	THEO	NP	27	337	61	BALASHOV+ THEOR.SIGMA CURVE	+
006	C	012	(G,P	) CS	2.1+ 7	2.2+ 7	PEN	EXPT	PR	149	798	66	KELLOGG+ SIGMA PLOT	+
006	C	012	(G,P	) CS	3.1+ 7	3.2+ 7	USA	EXPT	PR	176	1177	68	FREDERICK+ TOTAL SIGMA CURVE	+
006	C	012	(G,P	) CS		3.8+ 7	USA	EXPT	NP/A	119	347	68	FREDERICK SIGMA CURVE	+
006	C	012	(G,P	) CS	1.6+ 7	3.0+ 7	ITY	THEO	NP/A	132	649	69	MARANGONI+ COUPL.-CHANNEL CAL.	+
006	C	012	(G,P	) CS	1.6+ 7	2.8+ 7	SAC	THEO	NP/A	138	481	69	MAHAUX+ DIPOLE SIGMA	+

ELEMENT Z	S	A	QUANTITY	ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
006	C	012	(G,P) CS		4.2+ 7	HAR	EXPT	NP/A	156	257	70	MEDICUS+ INTEGRAT.SIGMA VALUE	+
006	C	012	(G,P) CS		1.2+ 8	UFT	EXTH	SNP	27	314	78	KIRCHENKO+ TOTAL (G,P) CS	+
006	C	012	(G,P) CS	2.1+ 7	2.9+ 7	GHT	EXPT	PR/C	33	1196	86	KERKHOVE+ ABSOLUTE TOTAL SIGMA	+
006	C	012	(G,P) CS	2.8+ 7		GHT	EXPT	PR/C	39	253	89	FERDINANDE+ BRANCHING RATIO&SIGMA	+
006	C	012	(G,P) DD	4.0+ 8	1.4+ 9	CCP	EXPT	SNP	9	538	69	ANTUF'EV+ DOUBL.DIFF.SIGMA CURVE	+
006	C	012	(G,P) ED	3.1+ 7		GER	EXPT	ZP	170	162	62	HERMANN+ PHOTOPROTON SPECTRUM	
006	C	012	(G,P) ED		1.0+ 8	MIT	EXPT	NP/A	112	654	68	MATTHEWS+ PROTON SPECTRA	
006	C	012	(G,P) ED		3.1+ 7	GER	EXPT	ZP	270	93	74	WIENHARD+ 90DEG.PHOTOPROTON SPECT	
006	C	012	(G,P) ED		3.1+ 7		EXPT	YF	30	305	80	ISHKHANOV+ 90 DEG.	
006	C	012	(G,P) ED	1.9+ 8	4.3+ 8	TOK	EXPT	PRL	52	2536	84	HOMMA+ AT 30DEG.,DIFF.SIGMA CURV	
006	C	012	(G,P) ED	6.1+ 7	7.7+ 7	SWD	EXPT	PR/C	42	R1179	90	HOOREBECK+ RELATIV.EXCITATION	
006	C	012	(G,P) XX	5.5+ 8	7.2+ 8	CCP	EXPT	SNP	14	377	72	GONCHAROV+ POLARIZATION	
006	C	012	(G,P) XX	1.6+ 7	3.0+ 7	GER	THEO	PR/C	11	1861	75	BIRKHOLZ POLARIZATION	
006	C	012	(G,P) XX	3.5+ 8		CCP	EXPT	SNP	51	385	90	ZYBALOV+ PROTON POLARIZATION	
006	C	012	(G,P) YD	NDG		USA	EVAL	PR	97	1185	55	MORINAGA YIELD RATIO	
006	C	012	(G,P) YD	6.1+ 7	7.7+ 7	LND	EXPT	PR/C	42	1179	90	VAN HOOREBEKE+ 90DEG. YIELD	
006	C	012	(G,PION +) AD	1.7+ 8	1.8+ 8	USA	EXPT	NP/A	517	473	90	SO+ DIFF.SIGMA CURVE	+
006	C	012	(G,PION +) CS	1.7+ 8	4.1+ 8	IND	THEO	NP/A	159	97	70	RAO+ CAL.PI+ PRODUCT.SIGMA CURVE	+
006	C	012	(G,PION -) DD	3.0+ 7	1.8+ 8	CCP	EXPT	SNP	52	205	90	ANAN'LIN+ DIFF.SIGMA CURVE	+
006	C	012	(G,PA) DD	1.2+ 8			EXPT	YF	29	572	79	KIRICHNKO+ ENERG.CORREL.,AV.ENE	
006	C	012	(G,PD) AD	6.0+ 7	1.0+ 8	CCP	THEO	SNP	47	627	88	BURKOVA+ CALC.DIFF.SIGMA CURVE	+
006	C	012	(G,P EMISSION) CS	4.0+ 7	1.5+ 8	UFT	EXPT	SNP	49	569	89	VOLOSHCHUK+ INTEGRATED SIGMA	+
006	C	012	(G,PION) AD	2.0+ 8		USA	THEO	PR/C	12	1586	75	NAGL+ DIFF. SIGMA CURVE	+
006	C	012	(G,PION) AD	NDG		GER	REVW	NP/A	358	163	81	WEISE DIFF.SIGMA CURVE	+
006	C	012	(G,PION) AD	NDG		CCP	THEO	NP/A	429	403	84	ERAMZHYAN+ CURV	
006	C	012	(G,PION) AD	2.4+ 8		SAC	REVW	NP/A	446	331	85	KOCH	
006	C	012	(G,PION) AD	5.0+ 7	1.7+ 8	TPI	EVAL	SNP	49	58	89	GLAVANAKOV DIFF.SIGMA CURVE	+
006	C	012	(G,PION) CS	1.6+ 8	3.8+ 8	CCP	EXPT	SNP	19	242	74	EPANESHNIKOV+ TOTAL SIGMA CURVE	+
006	C	012	(G,PION) CS	NDG		SAC	REVW	NP/A	446	327	85	TAMAS	
006	C	012	(G,PION) DD	2.0+ 8		TOH	EXPT	PR/C	33	2179	86	SHODA+ ANGULAR DIST.CURVE	+
006	C	012	(G,PION) ED	3.0+ 8	4.0+ 8	CCP	EVAL	SNP	18	532	74	SHEBEKO+ PION SPECTRA	
006	C	012	(G,PION) ED	3.0+ 8	4.0+ 8	CCP	EXPT	SNP	22	226	75	TONAPETYAN+ 90DEG.SIGMA CURVE	+
006	C	012	(G,PION) XX		2.0+ 8	CCP	EXPT	SNP	5	133	67	GOVORKOV+ FORM FACTOR	
006	C	012	(G,PION) YD	NDG		CCP	THEO	SNP	21	274	75	SHEBEKO+	
006	C	012	(G,PN)	1.9+ 8	4.3+ 8		EXPT	PR/C	35	1828	87	KANAZAWA+	
006	C	012	(G,PN) AD	3.4+ 6	1.5+ 7		EXPT	YP	35	810	82	DOLUST+	
006	C	012	(G,PN) CS	3.4+ 7	1.5+ 8		EXPT	YF	32	881	80	KHODJACHIKH+ TOTAL PN CROSS SEC	
006	C	012	(G,PN) DD		1.5+ 8		EXPT	UPJ	10	1465	82	DOLUST+	
006	C	012	(G,PX) YD	1.5+ 8		CCP	EXPT	SNP	51	583	90	DOGYUST+ P,T,& A SPECTRA	
006	C	012	(G,PION 0) AD	3.0+ 8	4.5+ 8	CCP	EXPT	SNP	53	379	91	BLEOUSOV+ DIFF.SIGMA TABLE	+
006	C	012	(G,PION 0) AD	NDG		CCP	THEO	SNP	53	439	91	TRYASUCHEV+ IMPULSE APPROX.	
006	C	012	(G,SCATTERING) AD		1.4+ 8	GER	EXPT	ZP	241	166	71	MEHLIG+ 135DEG.DIFF.YIELD CURVE	
006	C	012	(G,SCATTERING) AD	1.5+ 7	1.4+ 8	GER	EXPT	NP/A	506	307	90	SCHELHAAS+ DIFF.SIGMA CURVE	+
006	C	012	(G,SCATTERING) XX	1.5+ 7		UI	EXPT	PR	163	1278	67	KUEHNE+ LEVEL WIDTH	
006	C	012	(G,T) CS	3.5+ 7	5.0+ 7	GER	EXPT	ZP	207	1	67	KRAEMER+ SIGMA TABLE & CURVE	+
006	C	012	(G,T) DD	3.6+ 8	6.0+ 8	JPN	EXPT	NP/A	448	578	86	BABA+ DIFF.SIGMA	+
006	C	012	(G,T) ED		1.2+ 9	CCP	EXPT	SNP	15	357	72	ANTUF'EV+ ANG. & ENER.DIFF SIGMA	+
006	C	012	(G,X) CS	3.0+ 7	5.7+ 7	GER	EXPT	ZP	189	355	66	ARTUS SIGMA TABLE & CURVE	+
006	C	012	(G,X) CS	NDG		SAC	THEO	NP/A	194	81	72	LAGET+ THEORETICAL EVALUATION	
006	C	012	(G,X) CS	1. + 9		ITY	EXPT	PR/C	8	206	73	NAPOLI+ SPALLATION PRODUCT SIGMA	+
006	C	012	(G,X) CS	1.1+ 8		MRY	THEO	PR/C	16	1812	77	WU+ PRE-EQUILIBRIUM ANALYSES	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
006	C	012	(G,X)	DD	3.0+ 7	1.4+ 8	EDG	EXPT	NP/A	429	61	84	FLOWERS+ SIGMA CURV	
006	C	012	(G,X)	YD		4.0+ 8	CCP	EXPT	SNP	17	124	73	GONCHAROV+ YIELD CURVE	
006	C	012	(G,XN)	CS	1.9+ 7	3.3+ 7	BLG	EXPT	NP/A	198	144	72	VAN DE VYVER+ SIGMA CURVE	+
006	C	012	(G,XP)	YD	6.0+ 7	1.0+ 8	GLS	EXPT	PL/B	79	356	78	FINDLAY+	
006	C	012	(G,2N)	CS	3.2+ 7	1.0+ 8	UI	EXPT	PR	116	173	59	O'CONNELL+ RELAT.INTEG.SIGMA	+
006	C	012	(G,2N)	CS	1.4+ 8		GER	EXPT	ZP	239	447	70	KAYSER+ INTEGRAL.SIG,A VALUE	+
006	C	012	(G,2P)		1.9+ 8	4.3+ 8		EXPT	PR/C	35	1828	87	KANAZAWA+	
006	C	012	(G,3A)	CS	9. + 6	2.2+ 7	USA	EXPT	NP/A	50	561	64	TOMS SIGMA CURVE	+
006	C	012	(G,3A)	CS	1.2+ 7	1.7+ 7	SAS	EXPT	CJP	43	330	65	ROALSVIG SIGMA CURVE	+
006	C	012	(G,3P)	CS	1.0+ 8	3.2+ 8	USA	EXPT	PR	110	708	58	TAUTFEST ACTIVATION CURVE	+
006	C	012	(E,ABSORPTION)	CS	1.5+ 8	5.0+ 8	CCP	EXPT	SNP	23	265	76	VLASENKO+ TOT.HADRONIC SIGMA	+
006	C	012	(E,DISINTEGR.)	YD	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)	AD	1.0+ 8	2.0+ 8	CCP	EXPT	SNP	5	223	67	AFANAS'EV+ DIFF.SIGMA TBL	+
006	C	012	(E,ELASTIC)	AD	3.8+ 8	7.5+ 8	STF	EXPT	NP/A	150	631	70	SICK+ DIFF.SIGMA TABLE	+
006	C	012	(E,ELASTIC)	AD	NDG		CCP	EVAL	SNP	16	182	73	ANTONOV+ DIFF. SIGMA	+
006	C	012	(E,ELASTIC)	AD	NDG		SAC	EVAL	NP/A	218	509	74	SICK DIFF.SIGMA CURVE	+
006	C	012	(E,ELASTIC)	AD	2.4+ 8	4.3+ 8	NED	EXPT	PR/C	44	1096	91	OFFERMANN+ DIFF.SIGMA TBL	+
006	C	012	(E,ELASTIC)	XX	NDG		ITY	THEO	NP/A	129	350	69	DEDLIATTI FORM FACTOR	
006	C	012	(E,ELASTIC)	XX	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)	DD	7.8+ 8		USA	EXTH	PR/C	45	780	92	GARINO+ DIFF.SIGMA CURVE & TBL	+
006	C	012	(E,EP)	ED	NDG		CCP	THEO	SNP	22	514	75	GORCHAKOV+ PROTON SPECTRA	
006	C	012	(E,EP)	XX	NDG		NED	REVW	NP/A	434	85	85	LAPIKAS	
006	C	012	(E,EP)	XX	NDG		NED	THEO	ZP/A	323	351	86	DEAN+ MOMENTUM DIST.	
006	C	012	(E,EP)	XX	NDG		USA	THEO	PR/C	45	791	92	PANDHARIPANDE+ NUCL.TRANSPARENCY	
006	C	012	(E,INELASTIC)	AD	4.2+ 7		STF	EXPT	PR	128	2750	62	EDGE+ SIGMA TBL	+
006	C	012	(E,INELASTIC)	AD	NDG		STF	THEO	NP	43	242	63	GOLDEMBERG+ 180DEG.DIFF.SIGMA	+
006	C	012	(E,INELASTIC)	AD	NDG		USA	THEO	PR	133	B1190	64	GILLET+ DIFF.SIGMA CURVE	+
006	C	012	(E,INELASTIC)	AD	4.0+ 7	7.0+ 7	STF	EXPT	PR	134	B963	64	GOLDEMBERG+ DIFF.SIGMA CURVE	+
006	C	012	(E,INELASTIC)	AD		6.0+ 7	GER	EXPT	ZP	181	453	64	GUDDEN+ ELECTRON SCATT.FACILITY	
006	C	012	(E,INELASTIC)	AD	NDG		USA	THEO	NP/A	80	465	66	LEWIS+ 180DEG.SCATT.FORM FACTOR	
006	C	012	(E,INELASTIC)	AD	1.0+ 8	2.0+ 8	FR	EXPT	NP/A	109	177	68	PROCA+ 180DEG. DIFF.SIGMA	+
006	C	012	(E,INELASTIC)	AD	6.0+ 7	1.0+ 8	SAS	EXPT	NP/A	114	685	68	RICCO+ DIFF.SIGMA CURVE	+
006	C	012	(E,INELASTIC)	AD	8.0+ 7	1.5+ 8	MIT	THEO	NP/A	132	305	69	FOREST+ DIFF.SIGMA CURVE	+
006	C	012	(E,INELASTIC)	AD	NDG		CAN	THEO	NP/A	150	393	70	DONNELLY DIFF.SIGMA CURVE	+
006	C	012	(E,INELASTIC)	AD	NDG		CCP	THEO	SNP	12	392	71	GONCHAROVA+ SIGMA CURVE	+
006	C	012	(E,INELASTIC)	AD	2.5+ 9	2.7+ 9	GER	EXPT	NP/A	231	509	74	KOEBBERLING+ DOUBL.DIFF.SIGMA CURV	+
006	C	012	(E,INELASTIC)	AD	3.3+ 7	6.2+ 7	THD	EXPT	NP/A	294	129	78	FRIEBEL+ C-12 LEVEL FORM FACTOR	
006	C	012	(E,INELASTIC)	AD		5.6+ 8	SAC	EXPT	NP/A	358	287	81	BARREAU+ DIFF.SIGMA CURVE	+
006	C	012	(E,INELASTIC)	CS	2.0+ 7	3.0+ 7	GER	EXPT	NP/A	195	559	72	KUHL+ SIGMA CURVE	+
006	C	012	(E,INELASTIC)	CS	NDG		GER	EVAL	ZP/A	281	35	77	KNEISSL+ SIGMA CURVE COMPARE.CAL.	+
006	C	012	(E,INELASTIC)	CS	1.3+ 8	2.6+ 8		EXPT	UFZ	28	1654	83	BUKI+ FORM FACTOR,MOMENT TRANSFER	
006	C	012	(E,INELASTIC)	CS	NDG		ITY	THEO	PR/C	29	777	84	DELLAGIACOMA+ INTEG.RESPONS.FUNC.	
006	C	012	(E,INELASTIC)	CS	1.5+ 8		UMA	EXPT	PR/C	29	655	84	RYAN+ SIGMA CURV	
006	C	012	(E,INELASTIC)	DD	4.0+ 8	8.0+ 8	STF	EXPT	PR	155	1062	67	CRANNELL+ DOUBL.DIFF.SIGMA TBL	+
006	C	012	(E,INELASTIC)	DD	2.5+ 8		TOH	EXPT	PR/C	3	1750	71	YAMAGUCHI+ DOUBL.DIFF.SIGMA CURVE	+
006	C	012	(E,INELASTIC)	DD	NDG		GER	THEO	NP/A	188	641	72	ANTONY-SPIES CAL.SIGMA CURVE	+
006	C	012	(E,INELASTIC)	DD	5.1+ 7	3.4+ 8	UMA	EXTH	PR/C	30	1	.84	HICKS+ 3ANG.,FORM FACTOR CURV	
006	C	012	(E,INELASTIC)	DD	NDG		ANL	THEO	PR/C	38	2187	88	CHEN+ SIGMA	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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	PRL	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	ZP/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+ RESPONS.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,N)		3.0+ 7		NBS	EXPT	PR/C	17	1531	78	KLINE+ ABSOLUTE CS	
006	C	012	(E,N)	CS	1.6+ 7	3.9+ 7	BZL	EXPT	PR/C	11	1083	75	WOLYNEC+ SIGMA RATIO	
006	C	012	(E,N)	YD	NDG		BLG	THEO	NP/A	503	694	89	RYCKEBUSCH+ RESPONSE FUNC.	
006	C	012	(E,P)		NDG			EXPT	ZP/A	328	351	87	MOERSCHEL+	
006	C	012	(E,P)	AD	1.0+ 8	2.0+ 8	CCP	EXPT	SNP	11	523	70	VYSOTSKAYA+ DIFF.SIGMA CURVE	+
006	C	012	(E,P)	AD	2.5+ 9	2.7+ 9	GER	EXPT	NP/A	231	504	74	KOEBBERLING+ ANG.DIST. CURVE	+
006	C	012	(E,P)	DD	2.0+ 8		CAN	EXPT	CJP	59	271	81	LOLOS+ DOUBLE DIFF.SIGMA CURVE	+
006	C	012	(E,P)	DD	4.6+ 8	8.0+ 8	VIR	EXPT	PR/C	42	441	90	LOURIE+ EXCIT.CURVE	+
006	C	012	(E,P)	DD	4.6+ 8	8.0+ 8	USA	EXPT	PR/C	42	441	90	LOURIE+ DOUBL.DIFF.SIGMA CURVE	+
006	C	012	(E,P)	ED	5.0+ 8		FR	THEO	NP	45	33	63	POTTER ENERGY DIST. CURVE	+
006	C	012	(E,P)	XX	2.8+ 8	4.8+ 8	NED	EXPT	NP/A	480	547	88	VAN DER STEENHOVEN+ DWIA ANALYSIS	
006	C	012	(E,P)	XX	2.8+ 8	4.8+ 8	NED	EXPT	NP/A	484	445	88	STEENHOVEN+ KNOCKOUT PROTON	
006	C	012	(E,P)	YD	NDG		BLG	THEO	NP/A	503	694	89	RYCKEBUSCH+ RESPONSE FUNC.	
006	C	012	(E,PION)	CS	1. + 9	4. + 9	USA	EXPT	PR/C	3	1448	71	STANFIELD+ MESON PRODUCT SIGMA TBL	+
006	C	012	(E,PION)	DD	NDG		STF	THEO	PR	184	1154	69	MONIZ PION ELECTROPRODUCT.	
006	C	012	(E,PION)	DD	1.1+ 9		CCP	EXPT	SNP	9	772	69	TITOV+ DIFF.SIGMA CURVE	+
006	C	012	(E,PION)	DD	2.0+ 8		TOH	EXPT	PR/C	33	2179	86	SHODA+ ANGULAR DIST.CURVE	+
006	C	012	(E,SCATTERING)	AD	1.9+ 8		STF	EXPT	PR	104	225	56	FREGEAU DIFF SIGMA TBL	+
006	C	012	(E,SCATTERING)	AD	NDG		IND	THEO	PR	106	811	57	PAL+ CAL.DIFF.SIGMA CURVE	+
006	C	012	(E,SCATTERING)	AD	4.0+ 7		STF	EXPT	PR	120	2081	60	BARBER+ EXCITATION BY SCATTERING	
006	C	012	(E,SCATTERING)	AD	6.0+ 8	8.0+ 8	STF	EXPT	PR	148	1107	66	CRANNELL DIFF.SIGMA TBL	+
006	C	012	(E,SCATTERING)	AD	2.5+ 8	8.0+ 8	FR	THEO	NP/A	89	192	66	BOTTINO+ SIGMA VALUE	+
006	C	012	(E,SCATTERING)	AD	NDG		USA	THEO	PR	175	1235	68	KELLY+ DIFF.SIGMA CURVE	+
006	C	012	(E,SCATTERING)	AD	6.9+ 8	1.1+ 9	CCP	EXPT	SNP	11	10	70	DEMENTTII+ DOUBL.DIFF.SIGMA CURVE	+
006	C	012	(E,SCATTERING)	AD	3.5+ 7	5.5+ 7	NBS	EXPT	PR/C	8	23	73	CHERTOK+ RADIAT.WIDTH	
006	C	012	(E,SCATTERING)	AD	5.0+ 8		STF	EXPT	PR/C	9	2230	74	WHITNEY+ SIGMA TABLE	+

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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	B1025	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	ZP/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	SAC	EXPT	PRL	41	1645	78	MOUGEY+ DEEP INEL SCAT.	
006	C	012	(E,X)	AD	8.0+ 8	1.0+ 9	ROM	EXPT	NP/A	231	521	74	BARONI+ RELATIV.YIELD CURV & TBL	+
006	C	012	(E,X)	CS	NDG		CCP	THEO	SNP	12	663	71	SITENKO+ SIGMA CURVE	+
006	C	012	(E,X)	CS	NDG		BZL	EVAL	NP/A	244	205	75	WOLYNEC+ X=EN,PHOTO./ELECTRODISINT	.
006	C	012	(E,X)	DD	8.5+ 8		CCP	EXPT	SNP	5	808	67	AFANAS'EV+ DDX CURVE	+
006	C	012	(E,X)	DD	3.0+ 7	1.4+ 8	EDG	EXPT	NP/A	429	61	84	FLOWERS+ SIGMA CURV	
006	C	012	(E,X)	XX	2.7+ 7		USA	EXPT	PR	139	B562	65	HERRING+ SIGMA RATIO	
006	C	012	(E,X)	YD	2.2+ 8	3.2+ 8	MIT	EXPT	PR/C	39	177	89	BAGHAEI+	
006	C	012	(N,G)		6.5+ 6	1.9+ 7	TNL	EXPT	PR/C	35	393	87	AUGUST+	
006	C	012	(N,G)	AD	1.6+ 7	2.2+ 7	LLL	EXPT	PR/C	29	1186	84	WOODWORTH+ ANG.DIST.COEF. TBL	
006	C	012	(N,G)	AD	7. + 6	2.0+ 7	LAS	EXPT	NP/A	456	426	86	BERGQVIST+ 90DEG. SIGMA	+
006	C	012	(N,G)	AD	8. + 6	1.1+ 7	UPP	EXPT	PR/C	41	2556	90	HAKANSSON+ 90DEG. SIGMA CURVE	+
006	C	012	(N,G)	CS	7.8+ 6	1.1+ 7	SWD	EXPT	PR/C	41	2556	90	HAKANSSON+ SIGMA VALUE	+
006	C	012	(N,G)	CS	2.5- 2	3.0+ 4	TIT	THEO	PR/C	44	1148	91	HO+ PARTIAL CAPT.SIGMA	+
006	C	012	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	113	395	68	SPILLONG+ GAMMA INTENSITY	
006	C	012	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	180	569	72	KAMP+ NEUT.-CAPT. GAMMA	
006	C	012	(N,G)	YD	1.5+ 5		JPN	EXPT	PR/C	41	458	90	RAMAN+ RES.CAPT.MECHANISUM	
006	C	012	(P,G)		4.0+ 5	2.5+ 6		EXPT	SNP	45	940	87	POYARKOV+	
006	C	012	(P,G)	AD	3. + 6	1.1+ 7	CRC	EXPT	NP	26	480	61	GOVE+ 90DEG.YIELD OF GAPT.GAMMA	
006	C	012	(P,G)	AD	3. + 6	1.8+ 7	STF	EXPT	NP/A	175	462	71	RIESS+ PARTIAL GAMMA SIGMA	+
006	C	012	(P,G)	AD	1.5+ 5	3.0+ 6	CAN	EXPT	NP/A	227	291	74	ROLFS+ DIFF.SIGMA CURVE	+
006	C	012	(P,G)	AD	2. + 7	8.0+ 7	OSU	EXTH	PR/C	30	423	84	BLATT+ EP VS SIGMA CURV	
006	C	012	(P,G)	AD	1.7+ 6		OSU	EXPT	PR/C	31	1607	85	BROWN+ ANGULAR DIST. COEF.	
006	C	012	(P,G)	AD	2.0+ 7	1.0+ 8	OSU	EXPT	PR/C	37	503	88	HAUSMAN+ DIFF.SIGMA	+
006	C	012	(P,G)	CS	8. + 6	2.2+ 7	ORL	EXPT	PR	100	206	55	COHEN SIGMA TBL	+
006	C	012	(P,G)	CS	1.5+ 6	2.0+ 6	USA	EXPT	NP	44	486	63	YOUNG+ SIGMA VALUE	+
006	C	012	(P,G)	CS	1.0+ 7	5.0+ 7	UK	EXPT	NP	45	113	63	FISHER+ 90DEG.SIGMA CURVE	+
006	C	012	(P,G)	CS	1.0+ 7	1.7+ 7		EXPT	NP/A	336	219	80	HELMER+ POLARIZED PROTON BEAMS	
006	C	012	(P,G)	CS	8. + 4	6. + 5	GER	THEO	NP/A	435	657	85	LANGANKE+ SIGMA CURVE	+
006	C	012	(P,G)	DD	1.4+ 7	1.4+ 7		EXPT	PRL	44	927	80	SNOVER+ POLARIZED PROTON BEAMS	
006	C	012	(P,G)	DD	1.6+ 5			EXTH	NIM	191	373	82	RUDOLPH+	
006	C	012	(P,G)	DD	2.9+ 6	4.6+ 6		EXPT	PR/C	25	2823	82	WRIGHT+	
006	C	012	(P,G)	DD	8. + 6	6.0+ 7		EXTH	PR/C	25	2921	82	WELLER+	
006	C	012	(P,G)	DD	5. + 6	1.4+ 7		EXPT	PR/C	26	332	82	COLLINS+	
006	C	012	(P,G)	ED	1.4+ 7		WAS	EXPT	PR/C	16	61	77	MARRS+ ELECTROMAG.IN C-13 & N-13	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
006	C	012	(P,G)	YD	1.0+ 7	1.5+ 7	COL	EXPT	PR	157	921	67	FELDMAN+ PROTON-CAPT.GAMMA	
006	C	012	(P,G)	YD	NDG		STF	EXPT	PR	168	1169	68	DIETRICH+ GAMMA TRANSITION	
006	C	012	(P,G)	YD	6.0+ 5		FR	EXPT	PR/C	10	1319	74	BLATT+ RESONANCE WIDTH	
006	C	012	(P,G)	YD	NDG		AUL	EXPT	NIM	147	425	77	HEGGIE+ Q-VALUE DETERMINATION	
006	C	012	(P,G)	YD		4.0+ 7		EXPT	PRL	42	1253	79	ARNOLD GAM-SPECT TBL	
006	C	012	(P,G)	YD	8. + 5	2. + 6		EXPT	AE	49	332	80	ANTUFEV+ ACTIVITY, LIFE OF N-13	
006	C	012	(T,G)	DD	2.3+ 6	6.5+ 6		EXPT	NP/A	410	429	83	DRAK+ POLARIZ/UNPOLARIZ DIF.SIGMA	+
006	C	012	(H,G)	AD	1.0+ 5	3.0+ 5	MON	EXPT	CJP	56	1054	78	DEL BIANCO+ YIELD CURVES	+
006	C	012	(A,G)		9.0+ 5	2.8+ 6	GER	EXPT	NP/A	462	385	87	REDDER+	
006	C	012	(A,G)	AD	7.6+ 6	8.1+ 6	UK	EXPT	NP/A	167	352	71	KERNEL+ YIELD CURVE	
006	C	012	(A,G)	CS	1.9+ 6	3.1+ 6	ORL	EXPT	PR/C	2	63	70	JASZCZAK+ SIGMA CURVE	+
006	C	012	(A,G)	CS	1.6+ 6	4.1+ 6	ORL	EXPT	PR/C	2	2452	70	JASZCZAK+ SIGMA CURVE	+
006	C	012	(A,G)	CS	1.4+ 6	2.9+ 6	USA	EXPT	NP/A	233	495	74	DYER+ ELECTRICC DIPOLE SIGMA	+
006	C	012	(A,G)	CS	1.8+ 6	4.0+ 6	USA	THEO	NP/A	235	460	74	WEISSER+ SIGMA CURVE	+
006	C	012	(A,G)	CS	NDG		GER	THEO	NP/A	439	384	85	LANGANKE+ CALCUL. SIGMA	+
006	C	012	(A,G)	CS	NDG		USA	THEO	PR/C	44	2530	91	HUMBLET+ FITTED E1 CAPT.SIGMA	
006	C	012	(A,G)	XX	NDG		USA	THEO	PR/C	41	1736	90	JI+ E1 S-FACTOR	
006	C	012	(A,G)	YD	6.9+ 6	8.2+ 6	AUL	EXPT	NP/A	58	529	64	MITCHELL+ LEVEL PARAMETER	
006	C	012	(A,G)	YD	2.8+ 6	8.3+ 6	USA	EXPT	NP/A	56	497	64	LARSON+ GAMMA SPECTRUM	
006	C	012	(A,G)	YD	7.7+ 6	8.4+ 6	AUL	EXPT	NP/A	66	553	65	MITCHELL+ LEVEL OF O-16	
006	C	012	(A,G)	YD	NDG		USA	EXPT	NP/A	220	221	74	KOONIN+ RESONANCE PARAMETER	
006	C	012	(A,G)	YD	4.3+ 6		BIR	EXPT	NP/A	252	8	75	CHEW+ O-16 LEVEL WIDTH	
006	C	012	(A,G)	YD	NDG		USA	THEO	PR/C	40	515	89	FILIPPONE+ K-MATRIX ANALYSIS	
006	C	013	(G,ABSORPTION)	CS	NDG		CCP	EVAL	NP	31	338	62	NEUDACHIN+ GIANT RES.OF DIPOLE RES	+
006	C	013	(G,N)	AD	7.6+ 6	2.4+ 7		EXPT	NP/A	327	53	79	WOODWORTH+ ANISOTROP.COEF.,LVL	
006	C	013	(G,N)	AD	6.5+ 6	9.3+ 6		EXTH	PR/C	21	1699	80	HOLT+ 90 TO 135 DEGS.,TOF	
006	C	013	(G,N)	CS	6.4+ 6		ORL	EVAL	PR	119	1643	60	EDGE DEDUCED SIGMA	+
006	C	013	(G,N)	CS	0. + 0	4. + 6	ORL	THEO	PR	120	2175	60	FRANCIS+ CAL.SIGMA CURVE	+
006	C	013	(G,N)	CS	6.4+ 6	6.8+ 6	USA	EXPT	PR	135	B701	64	GREEN+ SIGMA TBL & CURVE	+
006	C	013	(G,N)	CS	5. + 6	4.0+ 7	OXF	EXPT	NP/A	61	269	65	MEASDAY+ SIGMA CURVE & VALUE	+
006	C	013	(G,N)	CS	6.0+ 6	3.7+ 7	CAN	EXPT	CJP	55	1704	77	WOODWORTH+ SIGMA CURVE & TABLE	+
006	C	013	(G,N EMISSION)	CS	7.6+ 6	4.2+ 7		EXPT	PR/C	19	1684	79	JURY+ INTEGRATED SIGMA	
006	C	013	(G,P)	CS	5. + 6	4.0+ 7	USA	EXPT	PR	106	300	57	COOK PHOTODISINT.SIGMA	+
006	C	013	(G,P)	CS	5. + 6	4.0+ 7	OXF	EXPT	NP/A	61	269	65	MEASDAY+ SIGMA CURVE & VALUE	+
006	C	013	(G,P)	ED	3.2+ 7		GER	EXPT	ZP	179	9	64	KOSIEK+ SPECTRUM PLOT	+
006	C	013	(G,P)	YD	1.8+ 7	2.8+ 7	AML	EXPT	PR/C	27	1957	83	ZUBANOV+ ACTIVAT., SIGMA CURV	
006	C	013	(G,PION -)	AD	NDG		NED	THEO	NP/A	512	699	90	KOCH+ DIFF.SIGMA CURVE	+
006	C	013	(G,PION)	AD	1.9+ 8		KDR	THEO	PR/C	39	2295	89	JEONG+ DIFF.SIGMA	+
006	C	013	(G,PION)	CS	1.9+ 8		LRL	EVAL	PR/C	33	2194	86	SINGHAM SIGMA CURVE	+
006	C	013	(G,SCATTERING)	XX	3.7+ 6		USA	EXPT	PR	183	918	69	RASMUSSEN+ GAMMA WIDTH	
006	C	013	(G,X)	CS	NDG		DDR	EVAL	NP/A	219	601	74	KISSENER+ SIGMA CURVE	+
006	C	013	(G,XN)	CS	5. + 6	4.0+ 7	USA	EXPT	PR	106	300	57	COOK PHOTODISINT.SIGMA	+
006	C	013	(E,E)		NDG			EXPT	PR/C	36	485	87	HICKS+	
006	C	013	(E,ELASTIC)	AD	1.2+ 8	7.5+ 8	STF	EXPT	NP/A	157	435	70	HEISENBERG+ CHARGE DISTRIBUTION	
006	C	013	(E,ELASTIC)	CS	2.5+ 8		STF	EXPT	NP/A	103	677	67	CRANNELL+ SIGMA RATIO	
006	C	013	(E,INELASTIC)	ED	4.3+ 7		SAS	EXPT	NP/A	166	162	71	SHIN+ PROTON SPECTRA	
006	C	013	(E,INELASTIC)	YD	3.6+ 7	6.5+ 7	GER	EXPT	ZP	234	120	70	WITTMER+ LEVEL SCHEME	
006	C	013	(E,INELASTIC)	YD		1.0+ 7	BNL	EXTH	PR/C	39	14	89	MILLENER+ FORM FACTOR	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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	(P,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		EXTH	PR/C	21	525	80	TURNER+ 90DEG YIELD CURVE	
006	C	013	(P,G)	AD	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. + 5	6. + 5	USA	EXPT	PR/C	44	1665	91	BYUNE+ RESONANCE WIDTH	
006	C	013	(D,G)	AD	1.1+ 6	4.2+ 6	MON	EXPT	CJP	56	3	78	MARQUARDT+ DIF. SIGMA	+
006	C	013	(D,G)	CS	1. + 6	4. + 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: + 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		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+ DIFF.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. + 5	2.7+ 6	USA	EXPT	PR	172	1058	68	HENDERSON+ RESONANCE PARAM.	
006	C	014	(P,G)	YD	2. + 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+	

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006	C	014	(A,G)	YD	1.3+ 6	3.0+ 6	WIS	EXPT	PR	110	1408	58	PHILLIPS 0-18 LEVEL	
006	C	014	(A,G)	YD	1.1+ 6	1.8+ 6	CRC	EXPT	PR	113	1078	59	GOVE+ 0-18 LEVEL	
006	C	014	(A,G)	YD	5. + 5	3.0+ 6	USA	EXPT	NP/A	96	209	67	LEE+ GAMMA TRANSITION	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
007	N	000	(G,N)	AD		9.0+ 7	CCP	EXPT	NP	34	551	62	KOMAR+ PHOTODISINT.SIGMA CURVE	+
007	N	000	(G,NP)	CS	1.7+ 7	5.2+ 7	CCP	EXPT	NP	34	551	62	KOMAR+ PHOTODISINT.SIGMA CURVE	+
007	N	000	(G,P)	CS	1.0+ 7	5.5+ 7	CCP	EXPT	NP	34	551	62	KOMAR+ PHOTODISINT.SIGMA CURVE	+
007	N	000	(G,P)	ED	3.1+ 7		GER	EXPT	ZP	174	337	63	FINCKH+ SPECTRUM CURVE	+
007	N	000	(G,X)	CS	NDG		GER	THEO	ZP/A	284	247	78	HEMPE IONIZATION SIGMA PLOT	+
007	N	000	(E,SCATTERING)	CS	1.6+ 0	1.0+ 1	USA	EXPT	PR	129	2069	63	NEYNABER+ SCATT.SIGMA	+
007	N	000	(E,TOTAL)	CS	2.5+ 1	7.5+ 2	USA	EXPT	PR	127	1647	62	SMITH+ IONIZATION SIGMA	+
007	N	000	(E,X)	CS	1. + 6	3.4+ 7	STF	EXPT	PR	97	1071	55	BARBER IONIZATION SIGMA CURVE	+
007	N	000	(E,X)	CS	4. - 2	4.6- 1	UI	EXPT	PR	102	388	56	ANDERSON+ MOMENTUM TRANS.SIGMA	
007	N	013	(G,N)	CS	5. + 6	4.0+ 7	OXF	EXPT	NP/A	61	269	65	MEASDAY+ SIGMA CURVE & VALUE	+
007	N	013	(G,P)	CS	5. + 6	4.0+ 7	OXF	EXPT	NP/A	61	269	65	MEASDAY+ SIGMA CURVE & VALUE	+
007	N	013	(P,G)	XX	NDG		GER	THEO	NP/A	435	657	85	LANGANKE+ S-FACTOR	
007	N	013	(P,G)	YD	NDG		BLG	THEO	NP/A	500	155	89	DESCOUVEMONT+ S-FACTOR	
007	N	014	(G,A)	CS		2.2+ 7	USA	EXPT	NP/A	54	625	64	TOMS PHOTOALPHA SIGMA CURVE	+
007	N	014	(G,ABSORPTION)	CS	9.2+ 6		ANL	EXPT	PR	108	1644	57	HANNA+ RESONANT ABSORPT.SIGMA	+
007	N	014	(G,ABSORPTION)	CS	2.0+ 7		PEN	EXPT	PR	118	1256	60	CARROLL+ TOT.ABSORP.SIGMA	-
007	N	014	(G,ABSORPTION)	CS	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)	CS	3.0+ 7		CCP	THEO	SNP	43	373	86	DUBOVOI+ CALC.SIGMA	+
007	N	014	(G,G)	YD	2.3+ 6		USA	EXPT	PR/C	12	706	75	RASMUSSEN+ MEASURED AT 96&126 DEG	
007	N	014	(G,INELASTIC)	ED		3.2+ 7		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)	AD	1.7+ 7	2.6+ 7		EXPT	NP/A	337	503	80	JURY+ TOF, 48 TO 139 DEGS.	
007	N	014	(G,N)	CS	1.0+ 7	2.4+ 7	SAS	EXPT	CJP	38	231	60	KING+ SIGMA CURVE	+
007	N	014	(G,N)	CS	1.0+ 7	2.9+ 7	LRL	EXPT	PR/C	2	2318	70	BERMAN+ SIGMA CURVE	+
007	N	014	(G,N)	CS	1.2+ 8	7.0+ 8	SWD	EXPT	NP/A	171	551	71	FRIBERG+ SIGMA CURVE	+
007	N	014	(G,N)	CS	1.5+ 8	9.5+ 8	SWD	THEO	NP/A	171	529	71	ANDERSSON+ SIGMA CURVE	+
007	N	014	(G,N)	CS	1.6+ 7	3.0+ 7	CAN	EXPT	CJP	50	1689	72	GELLIE+ DIFF.INTEGL.SIGMA	+
007	N	014	(G,N)	CS	NDG		DDR	THEO	NP/A	207	78	73	KISSENER+ CAL.TOT./PARTIAL SIGMA	+
007	N	014	(G,N)	ED	3.1+ 7		GER	EXPT	ZP	171	416	63	FUCHS+ NEUTRON SPECTRUM	+
007	N	014	(G,N)	YD	1.1+ 7	1.2+ 7	PEN	EXPT	PR	119	716	60	GELLER+ ACTIVAT.YIELD CURVE	
007	N	014	(G,NP)	CS	NDG		CCP	THEO	NP	44	34	63	KOPALEISHVILI+ INTEG.SIGMA VALUE	+
007	N	014	(G,P)	AD	1.7+ 7	2.5+ 7	YAL	EXPT	PR/C	6	2032	72	CARR+ DIFF.SIGMA CURVE	+
007	N	014	(G,P)	CS	NDG		DDR	THEO	NP/A	207	78	73	KISSENER+ CAL.TOT./PARTIAL SIGMA	+

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007	N	014	(G,PION +	) AD	2.3+ 8	2.6+ 8	RPI	EXPT	PR/C	41	653	90	GHEGIRA+ DIFF.SIGMA CURVE	+
007	N	014	(G,PION +	) AD	NDG		GER	THEO	PR/C	45	230	92	KOEFSIER+ DIFF.SIGMA CURVE	+
007	N	014	(G,PION	) AD	3.2+ 8		SAC	REVW	NP/A	446	331	85	KOCH	
007	N	014	(G,PION	) AD	2.3+ 8	3.2+ 8	RPI	EXPT	PR/C	41	653	90	GHEDIRA+ ANGULAR DIST. CURVE	+
007	N	014	(G,X	) CS	NDG		CCP	THEO	SNP	15	137	72	GONCHAROVA SIGMA CURVE	+
007	N	014	(E,D	) CS	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	) AD		2.3+ 8	STF	EXPT	PR	144	859	66	RAND+ MAGNETIC FORM FACTOR	
007	N	014	(E,ELASTIC	) AD	3.0+ 7	5.0+ 7	GER	EXPT	ZP/A	273	69	75	SCHUETZ SIGMA TABLE	+
007	N	014	(E,INELASTIC	) AD	4.2+ 7		STF	EXPT	PR	128	2750	62	EDGE+ SIGMA TBL	+
007	N	014	(E,INELASTIC	) AD	3.5+ 7	3.8+ 7	GER	EXPT	ZP	211	452	68	CLERC+ DIFF.SIGMA TABLE	+
007	N	014	(E,INELASTIC	) CS	5.0+ 7	6.0+ 7	STF	EXPT	NP/A	81	529	66	KOSSANYI-DEMAY+ SIGMA CURVE/TABLE	+
007	N	014	(E,INELASTIC	) DD	NDG		CCP	THEO	NP/A	129	369	69	BALASHOV+ DOUBLE DIFF.SIGMA PLOT	+
007	N	014	(E,INELASTIC	) DD	NDG		USA	THEO	PR/C	44	2694	91	TALWAR+ COULOMB DISTORT.EFFECT	
007	N	014	(E,INELASTIC	) ED	4.1+ 7	6.0+ 7		EXPT	PR/C	19	569	79	ENSSLIN+ LEVEL SCHEME	
007	N	014	(E,INELASTIC	) YD	NDG		MIT	EXPT	PR/C	9	1705	74	ENSSLIN+ FORM FACTOR	
007	N	014	(E,INELASTIC	) YD	+	+	UMA	EXPT	PL/B	139	249	84	HUFFMAN+ M1 FOR FACT.	
007	N	014	(E,SCATTERING)	AD	2.5+ 8	4.0+ 8	STF	EXPT	PR/C	2	2057	70	DALLY+ DIFF.SIGMA TBL	+
007	N	014	(E,SCATTERING)	XX	4.2+ 8		USA	THEO	PR	117	566	60	PAL ANALYSIS	
007	N	014	(E,SCATTERING)	YD	1.2+ 8	1.8+ 8	FR	EXPT	NP/A	54	353	64	BISHOP+ DIFF.SIGMA TABLE	+
007	N	014	(E,X	) AD	NDG		CCP	THEO	SNP	15	31	72	TARTAKOVSKII+ DIFF.SIGMA CURVE	+
007	N	014	(N,G	) YD	2.5- 2		CRC	EXPT	NP/A	50	209	64	BARTHOLOMEW+ LEVEL SPIN	
007	N	014	(N,G	) YD	2.5- 2		NED	EXPT	NP/A	145	449	70	SPITS+ GAMMA INTENSITY	
007	N	014	(N,G	) YD	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	) AD	1.1+ 6		FR	EXPT	NP	4	112	57	GORODETZKY+ ANGL.DIST. OF GAMMA	
007	N	014	(P,G	) AD	1.2+ 7	2.0+ 7	PTN	EXPT	PR	121	858	61	COHEN+ TOTAL & DIFF.SIGMA	+
007	N	014	(P,G	) AD	2.4+ 7	3.4+ 7	USA	EXPT	PR/C	12	1410	75	HARAKEH+ DIFF.SIGMA AT 90DEG CURV	+
007	N	014	(P,G	) CS	2.2+ 6	1.9+ 7	STF	EXPT	NP/A	151	129	70	KUAN+ SIGMA CURVE	+
007	N	014	(P,G	) CS		6.4+ 6	USA	EXPT	PR/C	5	297	72	PHILLIPS+ SIGMA CURVE	+
007	N	014	(P,G	) ED	1.7+ 6	1.8+ 9	FR	EXPT	PR/C	15	551	77	DRAIN+ O-15 LEVELS	
007	N	014	(P,G	) ED	3.2+ 6	3.5+ 6	BLN	EXPT	PR/C	15	569	77	KUAN+ O-15 LEVELS	
007	N	014	(P,G	) XX	NDG		FR	EXPT	NP	6	517	58	GORODETZKY+ G-G ANGL.CORRELAT.	
007	N	014	(P,G	) YD	2.5+ 8	3.5+ 8	USA	EXPT	PR	99	107	55	BASHKIN+ RADIATIVE CAPTURE	
007	N	014	(P,G	) YD	8.0+ 5		AUL	EXPT	NP	46	529	63	BAILEY+ GAMMA TRANSITION	
007	N	014	(P,G	) YD	8.5+ 5	2.0+ 6	USA	EXPT	PR	149	863	66	EVANS+ GAMMA WIDTH	
007	N	014	(P,G	) YD	1.9+ 6	2.6+ 6	USA	EXPT	PR	155	1047	67	EVANS O-16 LEVEL	
007	N	014	(P,G	) YD	1.7+ 6		USA	EXPT	PR/C	6	95	72	KRONE+ O-15 STATE	
007	N	014	(D,G	) AD	5. + 5	5.5+ 6	FR	EXPT	NP/A	75	226	66	SUFFERT 90DEG.DIFF.SIGMA CURVE	+
007	N	014	(D,G	) YD	2.1+ 6	2.9+ 6	USA	EXPT	PR/C	5	648	72	WELLER+ 90DEG. YIELD	
007	N	014	(T,G	) CS	8. + 5	3.3+ 6		EXTH	PR/C	21	791	80	LINOK+	
007	N	014	(H,G	) AD	3. + 6	1.9+ 7	BIR	EXPT	NP/A	395	119	83	WALTHAM+ SIGMA CURV,LEGEN.COEF.TBL	+
007	N	014	(A,G	) ED	2.4+ 7	2.5+ 7		EXPT	NP/A	327	172	79	KIESER+ PARTIAL WIDTH OF RES.	
007	N	014	(A,G	) YD	1.3+ 6	3.0+ 6	WIS	EXPT	PR	110	1408	58	PHILLIPS F-18 LEVEL	
007	N	014	(A,G	) YD	1.0+ 6	1.7+ 6	YAL	EXPT	PR	173	1021	68	PARKER RESONANCE PARAM.	
007	N	014	(A,G	) YD	5. + 5	1.2+ 6	USA	EXPT	NP/A	175	300	71	COUCH+ RESONANCE PARAMETER	
007	N	014	(A,G	) YD	1.6+ 6		CSN	EXPT	PR/C	39	265	89	BOGAERT+ F-18 LEVEL	
007	N	015	(G,D	) CS	1.9+ 7	2.9+ 7		EXPT	PR/C	20	409	79	SKOPIK+ RESONANCE LEVEL	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
007	N	015	(G,G	)	NDG			EXPT	PL/B	185	11	87	MOREH+	
007	N	015	(G,G	) YD	6.3+ 6		ISL	EXPT	NP/A	252	429	75	MOREH+ N-15 LEVEL	
007	N	015	(G,G	) YD	1.0+ 7	1.1+ 7	AUI	EXPT	PR/C	23	988	81	MOREH+ EXCIT.ENERGY	
007	N	015	(G,N	) AD	1.5+ 7	2.5+ 7	CAN	EXPT	PR/C	27	506	83	WATSON+ SIGMA CURV	
007	N	015	(G,N	) CS	1.1+ 7	3.8+ 7		EXPT	PR/C	26	777	82	JURY+	
007	N	015	(G,N	) CS	1.0+ 7	2.8+ 7	CAN	EXPT	PR/C	40	506	89	BATES+ SIGMA CURVE	+
007	N	015	(G,P	) AD	1.9+ 7	2.5+ 7	PEN	EXPT	PR	110	1415	58	RHODES+ ANGL. DISTRIBUTION	+
007	N	015	(G,P	) AD	2.0+ 7	3.8+ 7	CCP	EXPT	SNP	14	497	72	DENISOV+ DIFF.SIGMA CURVE	+
007	N	015	(G,P	) CS	1.9+ 7	3.1+ 7	GER	EXPT	ZP	179	544	64	KOSIEK SIGMA VALUE	+
007	N	015	(G,P	) CS	1.9+ 7	2.5+ 7	USA	EXPT	PR/C	10	24	74	BAGLIN+ SIGMA CURVE	+
007	N	015	(G,T	) AD	2.0+ 7	2.5+ 7		EXPT	CJP	57	1059	79	UEGAKI+ AT 90 DEG.	
007	N	015	(G,X	) CS	NDG		CCP	THEO	SNP	15	137	72	GONCHAROVA SIGMA CURVE	+
007	N	015	(G,2N	) CS	2.0+ 7	2.8+ 7	TOR	EXPT	PR/C	37	1403	88	MCNEIL SIGMA	+
007	N	015	(E,E	) YD	8.4+ 7	1.2+ 8	SAS	EXPT	NP/A	246	282	75	KIM+ FORM FACTOR	
007	N	015	(E,ELASTIC	) AD	2.5+ 8	4.0+ 8	STF	EXPT	PR	188	1590	69	DALLY+ DIFF.SIGMA CURVE	+
007	N	015	(E,ELASTIC	) AD	3.0+ 7	5.0+ 7	GER	EXPT	ZP/A	273	69	75	SCHUETZ SIGMA TABLE	+
007	N	015	(E,INELASTIC	) AD	5.2+ 7	1.9+ 8	SAS	EXPT	PR/C	18	597	78	ANSALDO+ EGR IN N-15	
007	N	015	(E,INELASTIC	) ED	7.0+ 7	3.3+ 8	MIT	EXPT	PR/C	28	513	83	SINGHA+ FORM FACTOR CURV	
007	N	015	(E,INELASTIC	) YD	9.8+ 6	1.5+ 7	SAS	EXPT	CJP	55	2129	77	ANSOLDO+ FORM FACTOR	
007	N	015	(E,P	) AD	1.9+ 7	3.0+ 7	SAS	EXPT	NP/A	246	221	75	MURPHY+ ANG.DIFF.CURVE	+
007	N	015	(E,SCATTERING	) AD	2.5+ 8	4.0+ 8	STF	EXPT	PR/C	2	2057	70	DALLY+ DIFF.SIGMA TBL	+
007	N	015	(E,T	) AD	2.0+ 7	2.5+ 7		EXPT	CJP	57	1059	79	UEGAKI+ AT 90 DEG.	
007	N	015	(N,G	) DD	5.6+ 6	1.3+ 7		EXPT	PR/C	25	89	82	WENDER+	
007	N	015	(P,G	) AD	1.2+ 7	2.0+ 7	PTN	EXPT	PR	121	858	61	COHEN+ TOTAL & DIFF.SIGMA	+
007	N	015	(P,G	) AD	2.8+ 6	3.0+ 7	USA	EXPT	PR/C	12	1410	75	HARAKEH+ DIFF.SIGMA AT 90DEG CURV	+
007	N	015	(P,G	) AD	8.6+ 6	1.8+ 7	STF	EXPT	PR/C	17	892	78	O'CONNELL+ GIANT RES.	
007	N	015	(P,G	) AD	1.6+ 7	2.0+ 7		EXPT	PRL	43	117	79	SNOVER+ O-16 STATE WIDTH TBL	
007	N	015	(P,G	) AD	1.8+ 7	4.0+ 7	GVA	EXPT	PR/C	28	1005	83	ANGHINOLFI+ SIGMA TBL	+
007	N	015	(P,G	) AD	2.0+ 7	1.0+ 8	OSU	EXPT	PR/C	37	503	88	HAUSMAN+ DIFF.SIGMA	+
007	N	015	(P,G	) CS	1.5+ 5	7.0+ 5	USA	EXPT	NP	15	289	60	HEBBARD SIGMA CURVE	+
007	N	015	(P,G	) CS	1.5+ 8	2.5+ 9	USA	EXPT	NP/A	235	450	74	ROLFS+ SIGMA CURVE	+
007	N	015	(P,G	) CS	4. + 6	1.2+ 7	CAN	THEO	PR/C	11	450	75	RAMAVATARAM+ ANALYZING POWER	
007	N	015	(P,G	) YD	4. + 6		BNL	EXPT	PR	105	683	57	WILKINSON+ GAMMA YIELD	
007	N	015	(P,G	) YD	1.6+ 7	2.6+ 7	UK	EXPT	NP/A	52	45	64	TANNER+ RELATIVE YIELD	
007	N	015	(P,G	) YD	1. + 6	1.4+ 7	UK	EXPT	NP/A	95	241	67	EARLE+ O-16 LEVEL	
007	N	015	(P,G	) YD	4. + 5	1.9+ 6	FR	EXPT	NP/A	113	221	68	GORODETZKY+ RESONANCE WIDTH	
007	N	015	(P,G	) YD	4.1+ 6	1.3+ 7	UK	EXPT	NP/A	152	257	70	BARNETT+ RESONANCE	
007	N	015	(P,G	) YD	1.0+ 7	2.0+ 7	UK	EXPT	NP/A	229	241	74	CHEW+ RESONANCE PARAM.	
007	N	015	(P,G	) YD	NDG		OSU	EVAL	PR/C	37	1759	88	RACKERS+ SIGMA RATIO	
007	N	015	(P,G EMISSION	) YD	2.5+ 6	9.5+ 6	WAU	EXPT	PR/C	27	1837	83	SNOVER+ (P,G),(P,PG),(P,AG),RESTBL	
007	N	015	(H,G	) AD	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	) ED	1.7+ 6	1.8+ 6		EXPT	NP/A	334	205	80	ANTTILA+ DOPPL-SHIFT METH,LIFE	
007	N	015	(A,G	) YD	6.0+ 5	3.2+ 6	CAN	EXPT	CJP	48	1617	70	AITKEN+ RES.PARAMETER	
007	N	015	(A,G	) YD	1.7+ 6		CAN	EXPT	CJP	49	1714	71	DIXON+ YIELD RATIO	
007	N	015	(A,G	) YD	8.5+ 5		CAN	EXPT	CJP	50	268	72	ROGERS+ GAMMA STRENGTH	
007	N	015	(A,G	) YD	1.7+ 6	2.7+ 6	CAN	EXPT	CJP	50	2428	72	ROGERS+ RES.PARAMETER	
007	N	015	(A,G	) YD	4.0+ 6	6.3+ 6	UK	EXPT	NP/A	225	253	74	UNDERWOOD+ RES.PARAM.	
007	N	015	(A,G	) YD	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 REF	VOL	PAGE	YEAR	COMMENTS	DATA
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+ 8	UK	EXPT	NP/A	70	241	65	GARVEY+ DIFF.SIGMA CURVE & TABLE	+
008	0	000	(G,P)	AD		4.0+ 8	SWD	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)	ED		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	AHRENS+ 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 COLLISON 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	WAHSWELLER+ TOTAL PHOTO SIGMA CURV	+
008	0	016	(G,ABSORPTION)	CS	9. + 6	3.1+ 7	YUG	EXPT	NP/A	128	426	69	BEZIC+ TOT.PHOTONUCL.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	SWD	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+ O-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)		2.2+ 7	2.8+ 7		EXPT	PR/C	35	2005	87	LEBRUM+	
008	0	016	(G,G)	YD	2. + 6	1.6+ 7	LRL	EXPT	PR	125	335	62	SEWARD RESONANT SCATT.	
008	0	016	(G,MESON)	AD	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	THEO	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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
008	0	016	(G,N	) AD	6.3+ 7	1.5+ 8	GER	EXPT	NP/A	229	93	74	SCHIER+ DIFF.SIGMA CURVE	+
008	0	016	(G,N	) AD	1.7+ 7	2.9+ 7	CAN	EXPT	CJP	53	1434	75	JOHNSON+ DIFF.SIGMA CURVE	+
008	0	016	(G,N	) AD	2.5+ 7	4.5+ 7		EXPT	PR/C	20	1689	79	PHILLIPS+ TOF, 6ANGLES	
008	0	016	(G,N	) AD		1.6+ 8		EXPT	PL/B	97	41	80	GOERINGER+ 0 TO 150 DEGS.	
008	0	016	(G,N	) AD		6.0+ 7	BOL	THEO	NP/A	422	273	84	CAVINATO+	
008	0	016	(G,N	) AD	NDG		BLG	THEO	NP/A	476	237	88	RYCKEBUSCH+ ANALYS.WITH RPA MODEL	
008	0	016	(G,N	) CS	1.6+ 7	2.3+ 7	UI	EXPT	PR	100	1377	55	PENFOLD+ SIGMA TBL & CURVE	+
008	0	016	(G,N	) CS	2.9+ 7	1.0+ 8	UI	EXPT	PR	116	173	59	O'CONNELL+ RELAT.INTEG.SIGMA	+
008	0	016	(G,N	) CS		1.7+ 7	SAS	EXPT	CJP	37	1357	59	KING+ INTEGRAT.SIGMA	+
008	0	016	(G,N	) CS	1.8+ 7	1.8+ 7	HUN	EXPT	NP	23	513	61	KESZTHELYI+ SIGMA CURVE	+
008	0	016	(G,N	) CS		2.2+ 7	SAS	EXPT	CJP	39	643	61	ROALSVIG+ SIGMA VALUE	+
008	0	016	(G,N	) CS		3.3+ 7	GER	EXPT	ZP	165	485	61	BRIX+ INTEGRAL.SIGMA VALUE	+
008	0	016	(G,N	) CS	2.1+ 7		PEN	EXPT	PR	126	709	62	BIANCO+ ACTIVATION SIGMA VALUE	+
008	0	016	(G,N	) CS		3.3+ 7	GER	EXPT	NP	30	417	62	BREUER+ INTEGRAT.SIGMA	+
008	0	016	(G,N	) CS	1.6+ 7	3.0+ 7	LRL	EXPT	PR	133	B869	64	BRAMBLETT+ SIGMA CURVE	+
008	0	016	(G,N	) CS	1.8+ 7		PEN	EXPT	PR	136	B418	64	BIANCO+ ABSOLUTE SIGMA	+
008	0	016	(G,N	) CS	2.3+ 7	2.7+ 7	USA	THEO	NP/A	56	577	64	EICHLER CAL. SIGMA CURVE	+
008	0	016	(G,N	) CS	1.6+ 7	6.5+ 7	USA	EXPT	PR	143	712	66	COOK+ SIGMA CURVE	+
008	0	016	(G,N	) CS	1.9+ 7	2.7+ 7	CCP	THEO	NP/A	103	450	67	KABACHNIK+ SIGMA CURVE & VALUE	+
008	0	016	(G,N	) CS	3.5+ 7	6.5+ 7	RPI	EXPT	NP/A	127	669	69	NAGLE+ SIGMA CURVE	+
008	0	016	(G,N	) CS	1.6+ 7	2.7+ 7	SAC	THEO	NP/A	132	433	69	SARUIS+ SIGMA CURVE	+
008	0	016	(G,N	) CS	1.6+ 7	2.7+ 7	JPN	THEO	NP/A	132	385	69	FUJII SIGMA CURVE	+
008	0	016	(G,N	) CS	1.6+ 7	2.8+ 7	SAC	THEO	NP/A	138	481	69	MAHAUX+ DIPOLE SIGMA	+
008	0	016	(G,N	) CS	1.5+ 7	2.7+ 7	GER	EXPT	ZP	239	461	70	FILSS+ SIGMA CURVE	+
008	0	016	(G,N	) CS	1.6+ 7	2.5+ 7	CCP	EXPT	SNP	12	484	71	ISHKHANOV+ SIGMA CURVE	+
008	0	016	(G,N	) CS	4.0+ 7	1.4+ 8	GER	EXPT	NP/A	162	330	71	WEISE+ SIGMA CURVE	+
008	0	016	(G,N	) CS	1.0+ 8	8.0+ 8	SWD	EXPT	NP/A	171	560	71	ADLER+ SIGMA CURVE	+
008	0	016	(G,N	) CS	1.0+ 8	8.0+ 8	SWD	EXPT	NP/A	171	551	71	FRIBERG+ SIGMA CURVE	+
008	0	016	(G,N	) CS	1.5+ 8	9.5+ 8	SWD	THEO	NP/A	171	529	71	ANDERSSON+ SIGMA CURVE	+
008	0	016	(G,N	) CS	NDG		MIT	THEO	PR/C	5	1898	72	WANG+ SIGMA CURVE	+
008	0	016	(G,N	) CS	1.6+ 7	2.4+ 7	AUL	EXPT	NP/A	196	89	72	THOMAS+ SIGMA CURVE	+
008	0	016	(G,N	) CS	1.6+ 7	3.9+ 7		EXPT	PR/C	21	503	80	JURY+ MONOCHRO. PHOTONS	
008	0	016	(G,N	) CS		3.3+ 7	LLL	EXPT	PR/C	27	1	83	BERMAN+ SIGMA CURV	
008	0	016	(G,N	) CS	3.0+ 7	3.5+ 7	TOR	EXTH	PR/C	30	1789	84	KUO+ SIGMA CURV,INTEG.SIGMA	+
008	0	016	(G,N	) CS	1.7+ 7	2.1+ 7	CCP	EXPT	SNP	42	662	85	BELYAEV+ SIGMA CURVE	+
008	0	016	(G,N	) DD	6	3.1+ 7	CAN	EXPT	CJP	48	1635	70	JURY+ SIGMA CURVE	+
008	0	016	(G,N	) DD	6.0+ 7	1.6+ 8		EXPT	PL/B	109	11	82	SCHOCH+	
008	0	016	(G,N	) DD	6.0+ 7	1.6+ 8		EXPT	NP/A	384	414	82	GOERINGER+	
008	0	016	(G,N	) ED	3.1+ 7		GER	EXPT	ZP	171	403	63	FUCHS+ NEUTRON SPECTRUM	+
008	0	016	(G,N	) ED		3.3+ 7	ORL	EXPT	NP/A	73	398	65	VERBINSKI+ SPECTRUM PLOT	+
008	0	016	(G,N	) XX	NDG		USA	THEO	PR/C	9	2144	74	WANG+ POLARIZATION	
008	0	016	(G,N	) YD	NDG		USA	EVAL	PR	97	1185	55	MORINAGA YIELD RATID	
008	0	016	(G,N	) YD		2.5+ 7	USA	EXPT	PR	115	420	59	PENFOLD+ REACTION ENERGY	
008	0	016	(G,N	) YD	1.6+ 7	1.7+ 7	PEN	EXPT	PR	119	716	60	GELLER+ ACTIVAT.YIELD CURVE	
008	0	016	(G,N	) YD	1.5+ 7	3.3+ 7	HAR	EXPT	NP/A	52	437	64	FIRK ENERGY LEVEL	
008	0	016	(G,N	) YD	2.1+ 7	3.0+ 7	NRL	EXPT	PR	182	1097	69	MURRAY+ O-15 LEVEL	
008	0	016	(G,N	) YD	3.2+ 7		KFK	EXPT	NP/A	123	641	69	ULLRICH+ REACTION YIELD	
008	0	016	(G,NP	) CS	NDG		CCP	THEO	NP	44	34	63	KOPALEISHVILI+ INTEG.SIGMA VALUE	+
008	0	016	(G,NP	) DD	NDG		ITY	THEO	NP/A	533	441	91	BOFFI+ DOUBL.DIFF.SIGMA CURVE	+
008	0	016	(G,NP	) YD	8.0+ 7	1.3+ 8	GER	EXPT	NP/A	533	269	91	MACGREGOR+ MASS YIELD	
008	0	016	(G,NX	) CS	1.0+ 8	1.5+ 8	FR	EXPT	NP/A	98	409	67	FERRONI+ SIGMA CURVE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
008	0	016	(G,P	)	1.9+ 8	4.3+ 8		EXPT	PR/C	35	1828	87	KANAZAWA+	
008	0	016	(G,P	) AD	3.0+ 7	7.0+ 7	CAN	EXPT	CJP	34	1022	56	LIVESEY ANGL.DISTRIBUTION	
008	0	016	(G,P	) AD	NDG		USA	THEO	NP/A	56	73	64	FUJII+ ANGL.DISTRIBUT.	
008	0	016	(G,P	) AD		2.8+ 7	CCP	EXPT	NP/A	113	289	68	DENISOV+ DIFF. & INTEGRAT.SIGMA	+
008	0	016	(G,P	) AD	2.1+ 7	3.3+ 7	USA	EXPT	PR	186	992	69	FREDERICK+ ANGL.DIST.COEFF.	
008	0	016	(G,P	) AD	2.2+ 7	2.2+ 7	CCP	EXPT	SNP	8	383	69	TUTAKIN PHOTOPROTON ANG.DIST.	
008	0	016	(G,P	) AD	2.0+ 7	3.0+ 7	YAL	EXPT	NP/A	138	73	69	BAGLIN+ DIFF.SIGMA CURVE	+
008	0	016	(G,P	) AD	NDG		YAL	THEO	PR/C	2	2068	70	MUSTAFA+ DIFF.SIGMA CURVE	+
008	0	016	(G,P	) AD		1.2+ 8		EXPT	UFZ	25	229	80	KHODJACHIKH+ TOTAL AND DIFF.	
008	0	016	(G,P	) AD	5.0+ 7	2.0+ 8		THEO	NP/A	359	91	81	BOFFI+ DIFF. SIGMA CURVE	+
008	0	016	(G,P	) AD		6.0+ 7	BOL	THEO	NP/A	422	273	84	CAVINATO+	
008	0	016	(G,P	) AD	1.0+ 8	4.0+ 8	MIT	EXPT	PR/C	31	1633	85	LEITCH+ 21POINT DATA	+
008	0	016	(G,P	) AD	2.0+ 8	3.6+ 8	RPI	EXPT	PR/C	38	2771	88	ADAMS+ ANGULAR DIST.	+
008	0	016	(G,P	) CS	1.4+ 7	1.9+ 7	UI	EXPT	PR	99	33	55	SPICER SIGMA CURVE	+
008	0	016	(G,P	) CS		3.2+ 7	GER	EXPT	ZP	155	109	59	BRIX+ PHTOPROTON SIGMA	+
008	0	016	(G,P	) CS	1.3+ 7	2.7+ 7	CCP	THEO	NP/A	103	450	67	KABACHNIK+ SIGMA CURVE & VALUE	+
008	0	016	(G,P	) CS	1.3+ 7	2.7+ 7	SAC	THEO	NP/A	132	433	69	SARUIS+ SIGMA CURVE	+
008	0	016	(G,P	) CS	1.2+ 7	2.8+ 7	SAC	THEO	NP/A	138	481	69	MAHAUX+ DIPOLE SIGMA	+
008	0	016	(G,P	) CS	2.4+ 7	3.3+ 7	GER	EXPT	ZP	225	303	69	HOFMANN+ SIGMA CURVE & TABLE	+
008	0	016	(G,P	) CS	4.0+ 7	1.4+ 8	GER	EXPT	NP/A	162	330	71	WEISE+ SIGMA CURVE	+
008	0	016	(G,P	) CS	1.0+ 8	8.0+ 8	SWD	EXPT	NP/A	171	560	71	ADLER+ SIGMA CURVE	+
008	0	016	(G,P	) CS	NDG		MIT	THEO	PR/C	5	1898	72	WANG+ SIGMA CURVE	+
008	0	016	(G,P	) CS	4.0+ 7	1.0+ 8	GER	THEO	NP/A	186	353	72	FINK+ INTEGRAT.SIGMA CURVE	+
008	0	016	(G,P	) DD	5.0+ 7	3.5+ 8	CAR	THEO	PR/C	33	776	86	CHEUNG+ ENERG & ANG.DIST.CURVE	+
008	0	016	(G,P	) ED		3.2+ 7	GER	EXPT	ZP	155	109	59	BRIX+	
008	0	016	(G,P	) ED	3.5+ 7		GER	EXPT	ZP	162	142	61	HEGEL+ SPECTRUM CURVE	+
008	0	016	(G,P	) ED	1.9+ 8	4.3+ 8	TOK	EXPT	PRL	52	2536	84	HOMMA+ AT 30DEG.,DIFF.SIGMA CURV	
008	0	016	(G,P	) ED	6.1+ 7	7.7+ 7	SWD	EXPT	PR/C	42	R1179	90	HOOREBECK+ RELATIV.EXCITATION	
008	0	016	(G,P	) YD	NDG		USA	EVAL	PR	97	1185	55	MORINAGA YIELD RATIO	
008	0	016	(G,P	) YD	2.2+ 7		CCP	EXPT	SNP	5	946	67	TUTAKIN PROTON YIELD	
008	0	016	(G,P	) YD	2.1+ 7	3.0+ 7	NRL	EXPT	PR	182	1097	69	MURRAY+ N-15 LEVEL	
008	0	016	(G,P	) YD	3.2+ 7		KFK	EXPT	NP/A	123	641	69	ULLRICH+ REACTION YIELD	
008	0	016	(G,P	) YD	6.1+ 7	7.7+ 7	LND	EXPT	PR/C	42	1179	90	VAN HOOREBEKE+ 90DEG. YIELD	
008	0	016	(G,PION	) AD	NDG		GER	REVW	NP/A	358	163	81	WEISE DIFF.SIGMA CURVE	+
008	0	016	(G,PION	) CS	1.0+ 8	3.0+ 8	UI	EXPT	PR	138	B1421	65	MEYER+ POSITV.PION PRODUCT.SIGMA	+
008	0	016	(G,PION	) CS	NDG		USA	THEO	PR/C	7	1785	73	RAO+ CAL.SIGMA TBL & CURVE	+
008	0	016	(G,PION	) CS	2.5+ 8		TMF	THEO	PR/C	23	351	81	SAHARIA+ SIGMA CURVE	+
008	0	016	(G,PN	)	1.9+ 8	4.3+ 8		EXPT	PR/C	35	1828	87	KANAZAWA+	
008	0	016	(G,PN	) CS	4.0+ 7	1.6+ 8	GER	THEO	ZP	236	176	70	WEISE+ SIGMA CURVE	+
008	0	016	(G,T	) CS	2.5+ 7	5.5+ 7	GER	EXPT	ZP	192	282	66	GOLDMANN+ SIGMA CURVE	+
008	0	016	(G,TOTAL	) CS	NDG		SPN	THEO	NP/A	368	375	81	OSET+ SIGMA CURVE	+
008	0	016	(G,X	) CS	1.0+ 8	2.0+ 8	DEN	THEO	NP	36	56	62	REITAN QUASI-D PRODUCT.SIGMA	+
008	0	016	(G,X	) CS	3.8+ 7	5.7+ 7	GER	EXPT	ZP	189	355	66	ARTUS SIGMA TABLE & CURVE	+
008	0	016	(G,X	) CS	1.2+ 7	3.2+ 7	UK	THEO	NP/A	95	271	67	BUCK+ SIGMA CURVE	+
008	0	016	(G,X	) CS	2.5+ 7	5.5+ 7	GER	EXPT	ZP	207	1	67	KRAEMER+ SIGMA TABLE & CURVE	+
008	0	016	(G,X	) CS	1. + 9		ITY	EXPT	PR/C	8	206	73	NAPOLI+ SPALLATION PRODUCT SIGMA	+
008	0	016	(G,X	) CS	1.2+ 7	2.6+ 7	CCP	THEO	SNP	24	264	76	BARZ+ PARTIAL SIGMA CURVE	+
008	0	016	(G,XN	) CS	6. + 6	3.0+ 7	NBS	EXPT	NP/A	69	241	65	HAYWARD+ SIGMA CURVE & TABLE	+
008	0	016	(G,XN	) CS	2.4+ 7	1.3+ 8		EXPT	NP/A	378	317	82	CARLOS+	
008	0	016	(G,XP	) AD		5.5+ 7	CCP	EXPT	NP/A	113	289	68	DENISOV+ DIFF. & INTEGRAT.SIGMA	+
008	0	016	(G,XP	) YD	6.0+ 7	1.0+ 8	GLS	EXPT	PL/B	79	356	78	FINDLAY+	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
008	0	016	(G,2D)	AD	6.0+ 7	1.0+ 8	CCP	THEO	SNP	47	627	88	BURKOVA+ CALC.DIFF.SIGMA CURVE	+
008	0	016	(G,2N)	CS	2.9+ 7	1.0+ 8	UI	EXPT	PR	116	173	59	O'CONNELL+ RELAT.INTEG.SIGMA	+
008	0	016	(G,2N)	CS		3.3+ 7	GER	EXPT	NP	30	417	62	BREUER+ INTEGRAT.SIGMA	+
008	0	016	(G,2N)	CS	2.0+ 7	3.0+ 8	USA	EXPT	NP/A	122	606	68	MEYER+ SIGMA CURVE & TABLE	+
008	0	016	(G,2N)	CS	3.0+ 7	1.1+ 8	GER	EXPT	ZP	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)	YD	8.0+ 7	1.3+ 8	GER	EXPT	NP/A	533	269	91	MACGREGOR+ MASS YIELD	
008	0	016	(G,4A)	CS		2.2+ 7	USA	EXPT	NP/A	54	625	64	TOMS PHOTOALPHA SIGMA CURVE	+
008	0	016	(G,4A)	CS	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	NP/A	464	237	87	DMITRIEV+	
008	0	016	(E,ELASTIC)	AD	3.8+ 8	7.5+ 8	STF	EXPT	NP/A	150	631	70	SICK+ DIFF.SIGMA TABLE	+
008	0	016	(E,ELASTIC)	AD	3.0+ 7	5.0+ 7	GER	EXPT	ZP/A	273	69	75	SCHUETZ SIGMA TABLE	+
008	0	016	(E,ELASTIC)	AD	3.8+ 8	7.5+ 8	GER	THEO	ZP/A	274	267	75	ROSENFELDER DIFF.SIGMA CURVE	+
008	0	016	(E,ELASTIC)	XX	NDG		ITY	THEO	NP/A	129	350	69	DEDLIATTI FORM FACTOR	
008	0	016	(E,ELASTIC)	XX	NDG		CCP	EVAL	SNP	16	282	73	ELDYSHEV+ FORM FACTOR	
008	0	016	(E,EP)		5.0+ 8			EXPT	NP/A	375	381	82	BERNHEIM+	
008	0	016	(E,EP)		1.3+ 8			EXPT	NP/A	464	237	87	DMITRIEV+	
008	0	016	(E,EP)	DD	2.5+ 9		GER	THEO	NP/A	209	233	73	HOFMANN DOU8.DIFF.SIGMA CURVE	+
008	0	016	(E,EX)	DD	1.1+ 8			EXPT	JEL	35	299	82	VOITZEFOVSKII+	
008	0	016	(E,INELASTIC)	AD	1.9+ 8		USA	THEO	NP	15	363	60	FALLIEROS+ YIELD CURVE	
008	0	016	(E,INELASTIC)	AD	NDG		USA	THEO	PR	133	B1190	64	GILLET+ DIFF.SIGMA CURVE	+
008	0	016	(E,INELASTIC)	AD	4.0+ 7	7.0+ 7	STF	EXPT	PR	134	B963	64	GOLDEMBERG+ DIFF.SIGMA CURVE	+
008	0	016	(E,INELASTIC)	AD	9.0+ 7	2.2+ 8	FR	EXPT	NP/A	54	97	64	BISHOP+ SIGMA TABLE	+
008	0	016	(E,INELASTIC)	AD	NDG		USA	THEO	NP/A	80	465	66	LEWIS+ 180DEG.SCATT.FORM FACTOR	
008	0	016	(E,INELASTIC)	AD	2.3+ 7	2.6+ 7	USA	THEO	NP/A	106	261	68	HOLDER+ DIFF.SIGMA TABLE/CURVE	+
008	0	016	(E,INELASTIC)	AD	8.0+ 7	1.5+ 8	MIT	THEO	NP/A	132	305	69	FOREST+ DIFF.SIGMA CURVE	+
008	0	016	(E,INELASTIC)	AD	1.2+ 7	1.3+ 7	SAS	EXPT	CJP	48	83	70	KIM+ FORM FACTOR	
008	0	016	(E,INELASTIC)	AD	3.0+ 7	6.0+ 7	THD	EXPT	NP/A	406	473	83	KUICHLER+	
008	0	016	(E,INELASTIC)	CS	NDG		CAN	THEO	NP/A	127	641	69	HO-KIM PARTIAL SIGMA CURVE	+
008	0	016	(E,INELASTIC)	DD	5. + 9		CCP	EXPT	ZP/A	335	231	90	DEGTVARENKO+ ARGUS DETECTOR USED	
008	0	016	(E,INELASTIC)	ED	NDG		FR	EXPT	NP	45	209	63	ISABELLE+ FORM FACTOR	
008	0	016	(E,INELASTIC)	ED	4.3+ 7	6.9+ 7	STF	EXPT	NP/A	74	219	65	VANPRAET+ DIFF.SIGMA CURVE/TABLE	+
008	0	016	(E,INELASTIC)	ED		6.0+ 7	GER	EXPT	ZP	214	357	68	STROETZEL O-16 LEVEL	
008	0	016	(E,INELASTIC)	XX	NDG		STF	THEO	PR	139	B1217	65	DEFOREST DR. FORM FACTOR	
008	0	016	(E,INELASTIC)	XX	NDG		NOR	THEO	NP/A	130	146	69	KAALHUS FORM FATOR	
008	0	016	(E,INELASTIC)	XX	NDG		DEN	THEO	NP/A	170	513	71	ERIKSON FORM FACTOR	
008	0	016	(E,INELASTIC)	XX	NDG		GER	THEO	NP/A	448	685	86	KREWALD+ FORM FACTOR	
008	0	016	(E,INELASTIC)	XX	NDG		MIT	THEO	NP/A	509	221	90	GARCIA-RECIO+	
008	0	016	(E,INELASTIC)	YD	NDG		USA	THEO	NP/A	70	264	65	SEABORN+ FORM FACTOR	
008	0	016	(E,INELASTIC)	YD	NDG		GER	THEO	NP/A	83	528	66	GRUENBAUM FORM FACTOR	
008	0	016	(E,INELASTIC)	YD	4.3+ 7	6.9+ 7	STF	EXPT	NP/A	79	550	66	VANPRAET+ TRANSV.FORM FACTOR	
008	0	016	(E,INELASTIC)	YD	NDG		DEN	THEO	NP/A	209	493	73	HORSFJORD FORM FACTOR	
008	0	016	(E,INELASTIC)	YD	6.0+ 7		THD	EXPT	NIM	153	29	78	SCHUILL+	
008	0	016	(E,INELASTIC)	YD	NDG		MIL	THEO	NP/A	496	108	89	CAVINATO+	
008	0	016	(E,N)	YD	NDG		BLG	THEO	NP/A	503	694	89	RYCKEBUSCH+ RESPONSE FUNC.	
008	0	016	(E,P)	YD	NDG		BLG	THEO	NP/A	503	694	89	RYCKEBUSCH+ RESPONSE FUNC.	
008	0	016	(E,PION)	CS	2.8+ 8		USA	THEO	NP/A	226	58	74	BORIE+ CALCUL. SIGMA	+
008	0	016	(E,SCATTERING)	AD	6.1+ 6	6.9+ 6	FR	EXPT	NP/A	53	366	64	BISHOP+ DIFF.SIGMA VALUE	+
008	0	016	(E,SCATTERING)	AD	6.0+ 8	8.0+ 8	STF	EXPT	PR	148	1107	66	CRANNELL DIFF.SIGMA TBL	+
008	0	016	(E,SCATTERING)	AD	NDG		USA	THEO	PR	152	B99	66	RAPHAEL+ CAL.SIGMA CURVE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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+	
008	0	016	(E,SCATTERING)	YD	NDG		BZL	THEO	PR/C	23	1898	81	AGRELLO+ INELASTIC FORM FACTOR	
008	0	016	(E,X)	YD	1.3+ 8		ITY	THEO	PR/C	37	1823	88	CAVINATO	
008	0	016	(N,G)	AD	2.8+ 5	4.3+ 5	TIT	EXPT	NP/A	536	285	92	IGASHIRA+ VALENCE CAPTURE	
008	0	016	(N,G)	CS	3.0+ 4		ORL	EVAL	PR/C	3	1737	71	ALLEN+ MAXWELL.AVERAG.SIGMA	+
008	0	016	(P,G)		1.0+ 7	1.7+ 7		EXPT	PR/C	36	2235	87	BALAMUTH+	
008	0	016	(P,G)		4.0+ 5	2.5+ 6		EXPT	SNP	45	940	87	POYARKOV+	
008	0	016	(P,G)	AD	1.6+ 7	3.2+ 7	BNL	EXPT	PR/C	11	1008	75	HARAKEH+ EXCITATION CURVE	+
008	0	016	(P,G)	AD	2.0+ 7	1.0+ 8	OSU	EXPT	PR/C	37	503	88	HAUSMAN+ DIFF.SIGMA	+
008	0	016	(P,G)	CS	1.4+ 5	1.7+ 5	CAL	EXPT	PR	111	1604	58	HESTER+ RADIATIVE CAPT.SIGMA	+
008	0	016	(P,G)	CS	6.2+ 5		USA	EXPT	PR	114	1060	59	TANNER SIGMA VALUE	+
008	0	016	(P,G)	CS	2.6+ 6	2.8+ 6	USA	EXPT	NP/A	61	39	65	DOMINGO SIGMA CURVE	+
008	0	016	(P,G)	CS	3. + 5	3.1+ 6	CAN	EXPT	NP/A	217	29	73	ROLFS SIGMA CURVE	+
008	0	016	(P,G)	CS	8.0+ 5	2.4+ 6	CAN	EXPT	CJP	53	1672	75	CHOW+ SIGMA VALUE	+
008	0	016	(P,G)	DD	2.0+ 7	9.0+ 7	OSU	EXPT	PR/C	39	340	89	KALEN+ DIFF.SIGMA CURVE	+
008	0	016	(P,G)	YD	1.1+ 7	1.5+ 7	BNL	EXPT	PR/C	11	998	75	HARAKEH+ RESONANCE PARAM.	
008	0	016	(P,G)	YD	9. + 5	1.9+ 6	USA	EXPT	NP/A	240	221	75	ROLFS+ Q-VALUE	
008	0	016	(P,G)	YD	NDG		OSU	EVAL	PR/C	37	1759	88	RACKERS+ SIGMA RATIO	
008	0	016	(D,G)	CS	2.1+ 7	2.5+ 7	FR	THEO	NP/A	98	41	67	YOCCOZ+ SIGMA CURVE	+
008	0	016	(H,G)	AD	3. + 6	1.9+ 7	BIR	EXPT	NP/A	395	119	83	WALTHAM+ SIGMA CURV,LEGEN.COEF.TBL	+
008	0	016	(A,A)	AD	6.9+ 6	1.0+ 7	WIS	EXPT	PR/C	17	1034	78	STECK NE-20 LEVELS	+
008	0	016	(A,G)		1.7+ 6	2.4+ 6		EXPT	PR/C	36	892	87	HAHN+	
008	0	016	(A,G)	AD	6.9+ 6	1.0+ 7	WIS	EXPT	PR/C	17	1034	78	STECK NE-20 LEVELS	+
008	0	016	(A,G)	AD	8.7+ 6	1.3+ 7		EXPT	NP/A	334	109	80	FIFIELD+ LEVEL SCHEME OF NE-20	
008	0	016	(A,G)	CS	NDG		CAL	THEO	PL/B	131	21	83	LANGANKE OMP TBL	
008	0	016	(A,G)	CS		4. + 6	MST	THEO	ZP/A	317	325	84	LANGANKE SIGMA CURV	
008	0	016	(A,G)	DD	4.6+ 7	1.3+ 8		EXPT	NP	6	891		HURST+ RESONANCE STRENGTHO	
008	0	016	(A,G)	ED	5.8+ 6	7.2+ 6		EXPT	PR/C	22	356	80	MACCARTHUR+ LEVEL DATA OF NE-20	
008	0	016	(A,G)	ED	8.2+ 6	8.2+ 6	NPL	EXPT	NP/A	394	1	83	FIFIELD+ YIELD CURV	
008	0	016	(A,G)	YD	4.8+ 6	9.9+ 6	USA	EXPT	NP/A	54	434	64	PEARSON+ GAMMA SPECTRUM	
008	0	016	(A,G)	YD	5.4+ 6	7.9+ 6	CRL	EXPT	CJP	45	1901	67	LITHERLAND+ NE-20 LEVEL	
008	0	016	(A,G)	YD	2.9+ 6	3.2+ 6	GER	EXPT	NP/A	127	13	69	GRAWE+ GAMMA YIELD	
008	0	016	(A,G)	YD	8.5+ 5	1.8+ 6	USA	EXPT	NP/A	172	589	71	TOEVS RESONANCE PARAMETER	
008	0	017	(G,N)	AD	4.3+ 3	7. + 6	ANL	EXTH	PR/C	18	1962	78	HOLT+ E1 & M1 RES.PARAM.	+
008	0	017	(G,N)	AD	5. + 6	3.3+ 7		EXPT	PR/C	20	27	79	JOHNSON+ GROUND DIFF.SIGMA AT98	
008	0	017	(G,N)	AD	1.0+ 7	2.4+ 7	LRL	EXPT	PR/C	32	1817	85	JURY+ SIGMA CURVE	+
008	0	017	(G,N)	CS	NDG		CAN	EVAL	PR/C	42	2234	90	MCNEILL+ ISOSPIN ANALYSIS	
008	0	017	(G,N)	YD	NDG		TOR	COMP	PR/C	42	2234	90	MCNEIL+ LEVEL ENERGY	
008	0	017	(G,XN)	CS	8.5+ 6	4.0+ 7		EXPT	PR/C	21	503	80	JURY+ MONOCHRO. PHOTONS	
008	0	017	(E,E)			1.5+ 7		EXPT	PR/C	36	1700	87	MANLEY+	
008	0	017	(E,ELASTIC)	YD	6.3+ 7	1.3+ 8	SAS	EXPT	NP/A	297	301	78	KIM+ O-17 FORM FACTOR	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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		ISL	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	PYWELL+ 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		EXPT	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	PYWELL+ 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		GER	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 VALUE&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	SAS	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	WUISTENBECKER+	
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 6RESONANCES	
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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
009	F	019	(G,A)	CS	1.4+ 7	3.0+ 7		EXPT	NP/A	330	66	79	THOMSON+ YIELD CURV,SIGMA TBL	
009	F	019	(G,ABSORPTION)	CS	9. + 6	3.1+ 7	YUG	EXPT	NP/A	128	426	69	BEZIC+ TOT.PHOTONUCL.SIGMA	+
009	F	019	(G,G)	YD	5. + 5	3.0+ 6	USA	EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	
009	F	019	(G,INELASTIC)	CS	1.9+ 7	2.5+ 7	CAN	EXPT	CJP	50	3085	72	THOMAS+ GAMMA YIELD SIGMA	+
009	F	019	(G,INELASTIC)	YD	1.4+ 7		JAE	EXPT	NP/A	188	461	72	SHIKAZONO+ LEVEL SCHEME	
009	F	019	(G,N)	AD	NDG		LRL	EXPT	PR/C	3	672	71	BAGLAN+ DIFF.SIGMA CURVE	+
009	F	019	(G,N)	CS	2.0+ 7	1.0+ 8	UI	EXPT	PR	116	173	59	O'CONNELL+ RELAT.INTEG.SIGMA	+
009	F	019	(G,N)	CS	1.0+ 7	2.5+ 7	SAS	EXPT	CJP	38	1069	60	KING+ SIGMA CURVE	+
009	F	019	(G,N)	CS	2.1+ 7		PEN	EXPT	PR	126	709	62	BIANCO+ ACTIVATION SIGMA VALUE	+
009	F	019	(G,N)	CS	1.0+ 8	8.0+ 8	SWD	EXPT	NP/A	171	551	71	FRIBERG+ SIGMA CURVE	+
009	F	019	(G,N)	CS	1.5+ 8	9.5+ 8	SWD	THEO	NP/A	171	529	71	ANDERSSON+ SIGMA CURVE	+
009	F	019	(G,N)	CS	3.0+ 8	1.0+ 9	ITY	EXPT	NIM	93	77	71	NAPOLI+ ABSOL.SIGMA VALUE	+
009	F	019	(G,N)	CS	1.6+ 7	3.9+ 7	BZL	EXPT	PR/C	11	1083	75	WOLYNEC+ SIGMA RATIO	
009	F	019	(G,N)	CS	1.2+ 7	1.6+ 7	CAN	EXPT	CJP	54	1178	76	SHERMAN+ TOT.INTEGL.SIGMA	+
009	F	019	(G,N)	CS	1.4+ 7	3.0+ 7		EXPT	NP/A	330	66	79	THOMSON+ YIELD CURV,SIGMA TBL	
009	F	019	(G,N)	CS	1.5+ 7	2.5+ 7	SAS	EXPT	NP/A	499	328	89	KUO+ EXCITATION CURVE	+
009	F	019	(G,N)	YD	1.0+ 7	1.1+ 7	PEN	EXPT	PR	119	716	60	GELLER+ ACTIVAT.YIELD CURVE	
009	F	019	(G,P)	AD	2.4+ 7		USA	EXPT	PR	132	1134	63	MURRAY+ DIFF.SIGMA CURVE	+
009	F	019	(G,P)	CS	1.4+ 7	3.0+ 7		EXPT	NP/A	330	66	79	THOMSON+ YIELD CURV,SIGMA TBL	
009	F	019	(G,P)	CS	1.6+ 7	2.6+ 7	GHT	EXPT	PR/C	32	368	85	KERHOVE+ SIGMA CURVE	+
009	F	019	(G,P)	ED		3.6+ 7	STF	EXPT	PR	127	1746	62	DODGE+ PHOTOPROTON SPECTRA	
009	F	019	(G,SCATTERING)	CS	3.0+ 5	1.3+ 6	IND	THEO	NSE	85	426	83	UMESH+ INCOHERENT SCTT.SIGMA TBL	+
009	F	019	(G,T)	AD	1.8+ 7	2.3+ 7	SAS	EXPT	NP/A	223	409	74	SKOPIK+ DIFF.SIGMA CURVE	+
009	F	019	(G,X)	CS	1. + 9		ITY	EXPT	PR/C	8	206	73	NAPOLI+ SPALLATION PRODUCT SIGMA	+
009	F	019	(G,X)	CS	1.2+ 9		CCP	EXPT	SNP	21	243	75	NOGA+ SIGMA RATIO & SIGMA TBL	+
009	F	019	(G,XN)	CS	1.1+ 7	1.9+ 7	BLG	EXPT	NP/A	198	144	72	VAN DE VYVER+ SIGMA CURVE	+
009	F	019	(G,XN)	CS	1.0+ 7	2.5+ 7	RUM	EXPT	ZP	261	125	73	CATABA+ SIGMA CURVE	+
009	F	019	(G,2N)	CS	2.0+ 7	1.0+ 8	UI	EXPT	PR	116	173	59	O'CONNELL+ RELAT.INTEG.SIGMA	+
009	F	019	(G,2P)	CS	2.5+ 7	4.0+ 7	STF	EXPT	PR	100	113	55	REAGAN N-14 PRODUCT.SIGMA CURVE	+
009	F	019	(G,2PN)	CS	2.0+ 7	3.0+ 8	USA	EXPT	NP/A	122	606	68	MEYER+ SIGMA CURVE & TABLE	+
009	F	019	(E,E)		4.6+ 7	2.7+ 8	FUL	EXPT	NP/A	469	518	87	DONNE+	+
009	F	019	(E,E)		4.0+ 7	1.4+ 8		EXPT	NP/A	455	453	87	DONNE+	+
009	F	019	(E,E)		5.4+ 8	7.3+ 8		EXPT	PR/C	35	1063	87	O'CONNELL+	
009	F	019	(E,E)	YD	1.3+ 8	2.5+ 8	TOH	EXPT	PR/C	11	1578	75	OYAMADA+ FORM FACTOR	
009	F	019	(E,ELASTIC)	AD	4.6+ 7	2.7+ 8	NED	EXPT	NP/A	455	453	86	DONNE+ 2ANGLE SIGMA	+
009	F	019	(E,ELASTIC)	XX	NDG		BLG	THEO	NP/A	459	253	86	BOUTEN+ FORM FACTOR	
009	F	019	(E,N)	CS	1.6+ 7	3.9+ 7	BZL	EXPT	PR/C	11	1083	75	WOLYNEC+ SIGMA RATIO	
009	F	019	(E,SCATTERING)	AD		1.2+ 8	MIT	EXPT	PR/C	7	1396	73	HALLOWELL+ DIFF.SIGMA CURVE	+
009	F	019	(E,SCATTERING)	YD	NDG		USA	THEO	PL/B	133	5	83	BROWN+ MAG.MOMENT CURV	
009	F	019	(E,X)	CS	1.2+ 9		CCP	EXPT	SNP	21	243	75	NOGA+ SIGMA RATIO & SIGMA TBL	+
009	F	019	(N,G)	CS	2.3+ 4	5.0+ 6	ORL	EXPT	PR/C	7	1766	73	MACKLIN+ SIGMA CURVE	+
009	F	019	(N,G)	YD	2.0+ 4	4.0+ 6	USA	EXPT	PR	114	201	59	GABBARD+ NEUTRON RESONANCE	
009	F	019	(N,G)	YD	PILE		SWD	EXPT	NP	48	492	63	NADJAKOV N-CAPT.GAMMA	
009	F	019	(N,G)	YD	2.7+ 4	4.9+ 4	ORL	EXPT	PR	138	820	65	BIRD+ N-CAPT.GAMMA SPECTRA	
009	F	019	(N,G)	YD	2.7+ 4	5.0+ 4	ORL	EXPT	PR	158	1049	67	BERGQVIST+ RES.CAPT.GAMMA YIELD	
009	F	019	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	113	395	68	SPILLONG+ GAMMA INTENSITY	
009	F	019	(N,G)	YD	2.5- 2		SWD	EXPT	NP/A	123	215	69	HARDELL+ GAMMA INTENSITY	
009	F	019	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	145	449	70	SPITS+ GAMMA INTENSITY	
009	F	019	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	180	569	72	KAMP+ NEUT.-CAPT. GAMMA	
009	F	019	(N,G)	YD	5.0+ 2	2.0+ 5	COL	EXPT	PR/C	10	2147	74	SINGH+ RESONANCE PARAM.	
009	F	019	(P,G)	AD	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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
009 F 019	(P,G	) AD	1.6+ 7	2.3+ 7		EXPT	PL/B	92	67	80	CALARCO+ POLARIZED TARGET	
009 F 019	(P,G	) CS	NDG		UK	EVAL	NP/A	52	29	64	TANNER+ SIGMA TABLE	+
009 F 019	(P,G	) ED	2. + 5	1.2+ 6		EXPT	NP/A	331	491	79	SUBOTIC+ PARTIAL WIDTH	
009 F 019	(P,G	) XX	3.4+ 5	1.4+ 6	UK	EXPT	PR	120	1740	60	HUNT+ RESONANCE ANALYSIS	
009 F 019	(P,G	) YD	5. + 5	2.2+ 6	UK	EXPT	PR	99	786	55	HUNT+ RESONANT CAPTURE	
009 F 019	(P,G	) YD	5. + 6	7.7+ 6	CBR	EXPT	NP	10	45	59	GEMMELL+ GAMMA YIELD	
009 F 019	(P,G	) YD	6.7+ 5	1.1+ 6	CRC	EXPT	PR	124	1944	61	GOVE+ NE-20 LEVEL	
009 F 019	(A,G	) ED	1.2+ 7	1.4+ 7		EXPT	IZV	44	2281	80	ZOLNAI+ PHOTON SPECTRA AT 55DEG	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
010 NE 000	(G,P	) ED		3.6+ 7	STF	EXPT	PR	127	1746	62	DODGE+ PHOTOPROTON SPECTRA	
010 NE 000	(G,P	) ED	3.1+ 7		GER	EXPT	ZP	174	337	63	FINCKH+ SPECTRUM CURVE	+
010 NE 000	(E,SCATTERING)	CS	1.3+ 3		CAN	EXPT	CJP	53	2406	75	MAO+ ATOMIC SIGMA	
010 NE 019	(P,G	) YD	NDG		USA	THEO	NP/A	536	333	92	SMITH+ RES.PARAM.,REACTION RATE	
010 NE 020	(G,N	) CS	1.6+ 7	2.9+ 7	AML	EXPT	NP/A	357	171	81	ALLEN+ INTEGRATED SIGMA	+
010 NE 020	(G,N	) ED	1.9+ 7	3.2+ 7	CAN	EXPT	CJP	53	795	75	WOODWORTH+ N SPECTRUM	
010 NE 020	(G,P	) CS	2.4+ 7	3.3+ 7	GER	EXPT	ZP	225	303	69	HOFMANN+ SIGMA CURVE & TABLE	+
010 NE 020	(E,ELASTIC	) XX	1.4+ 8		SAS	EXPT	CJP	49	1434	71	MOREIRA+ FORM FACTOR	
010 NE 020	(E,INELASTIC	) CS	6.0+ 7	1.2+ 8	UMA	EXPT	PR/C	17	435	78	SZALATA+ ELECTRIC RESONANCE	
010 NE 020	(E,INELASTIC	) XX	8.1+ 7	1.1+ 8	SAS	EXPT	CJP	51	2125	73	SINGHAL+ FORM FACTOR	
010 NE 020	(E,SCATTERING)	DD	3.9+ 7	5.6+ 7	USA	EXPT	PR/C	3	1821	71	BENDEL+ DOUBL.DIFF.SIGMA CURVE	+
010 NE 020	(E,SCATTERING)	XX	NDG		FR	THEO	NP/A	232	235	74	ABGRALL+ FORM FACTOR	
010 NE 020	(E,SCATTERING)	XX	NDG		CCP	THEO	NP/A	483	92	88	KUCHTA CALCUL.FORM FACTOR	
010 NE 020	(E,SCATTERING)	XX	NDG		AUL	THEO	PR/C	41	335	90	AMOS+ FORM FACTOR	
010 NE 020	(E,SCATTERING)	YD	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	WUISTENBECKER+	
010 NE 020	(P,G	) CS	1.1+ 6		USA	EXPT	PR	114	1060	59	TANNER SIGMA VALUE	+
010 NE 020	(P,G	) YD	1.1+ 6	2.0+ 6	SWT	EXPT	NP/A	123	129	69	BLOCH+ NE-21 LEVEL	
010 NE 020	(P,G	) YD	1.2+ 6		HLS	EXPT	PR/C	15	579	77	KEINONEN+ RES. STRENGTH	
010 NE 020	(P,G	) YD	NDG		FIN	EXPT	NIM	144	323	77	RIIHONEN+ ABSOLUT.RES.STRENGTH	
010 NE 020	(A,G	) CS	2.5+ 6	2.0+ 7	STF	EXPT	PR/C	11	1525	75	KUHLMANN+ AVERAGED SIGMA TABLE	+
010 NE 020	(A,G	) DD	3.0+ 6	6.0+ 6	OXF	EXTH	NP/A	309	77	78	FIFIELD+ MG-24 LEVELS	
010 NE 020	(A,G	) ED	1.2+ 7	1.4+ 7		EXPT	NP/A	322	1	79	FIFIELD+	
010 NE 020	(A,G	) YD	3. + 6	6. + 6	USA	EXPT	NP/A	109	163	68	HIGHLAND+ RESONANCE ENERGY	
010 NE 020	(A,G	) YD	4. + 6	1.6+ 7		EXPT	PR/C	20	415	79	KUHLMANN+ INTEG.E1-STRENGTH TBL	
010 NE 020	(A,G	) YD	5.5+ 5	3.2+ 6	GER	EXPT	NP/A	398	279	83	SCHMALBROCK+ RES.PARAM.TBL	+
010 NE 021	(P,G	) CS	3. + 5	1.6+ 6	GER	EXPT	NP/A	408	372	83	GOERRES+ DIF.SIGMA CURV	

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

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
011 NA 022	(P,G)	DD	7.0+ 3	3.6+ 5		EXPT	NP/A	385	57	82	GOERRES+	
011 NA 023	(G,ABSORPTION)	CS	3.0+ 1	1.5+ 2	GER	EXPT	ZP	257	353	72	WOLFF+ ABSORPTION SIGMA CURVE	+
011 NA 023	(G,ABSORPTION)	XX	4.4+ 6	7.9+ 6	NED	EXPT	NP/A	441	209	85	BAKKUM+ RESONANT ABSORPTION	
011 NA 023	(G,G)	AD	3.0+ 6		USA	EXPT	PR	152	1027	66	RASMUSSEN+ RESONANCE FLUORESC.	
011 NA 023	(G,G)	AD	1.6+ 7	3.1+ 7		EXPT	YP	35	3	82	ISHUFANOV+	
011 NA 023	(G,G)	XX	3.9+ 6	5.8+ 6	USA	EXPT	PR/C	6	846	72	FRIESEL+ LEVEL WIDTH	
011 NA 023	(G,G)	YD	7.1+ 6		USA	EXPT	PR	136	B1355	64	SWANN RES.FLUORESC.	
011 NA 023	(G,G)	YD	4.4+ 5	1.3+ 6	GER	EXPT	NP/A	81	370	66	SKORKA+ RESONANT FLUORESC.	
011 NA 023	(G,INELASTIC)	AD	7. + 6	1.4+ 7		EXPT	YP	35	3	82	ISHUFANOV+	
011 NA 023	(G,INELASTIC)	ED		3.2+ 7		EXPT	YF	32	885	80	ISHKHANOV+ PHOTON SPECTRA	
011 NA 023	(G,INELASTIC)	YD	1.4+ 7		JAE	EXPT	NP/A	188	461	72	SHIKAZONO+ LEVEL SCHEME	
011 NA 023	(G,N)	CS	1.2+ 7	2.7+ 7	LRL	EXPT	PR/C	4	1673	71	ALVAREZ+ SIGMA CURVE	+
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	3.3+ 7	GER	EXPT	ZP	225	303	69	HOFMANN+ SIGMA CURVE & TABLE	+
011 NA 023	(G,P)	CS	1.6+ 7	3.0+ 7	CCP	EXPT	SNP	33	303	81	ISHKHANOV+ SIGMA CURVE	+
011 NA 023	(G,X)	CS	2.5+ 7	4.0+ 7	STF	EXPT	PR	100	113	55	REAGAN N-14 PRODUCT.SIGMA CURVE	+
011 NA 023	(G,2N)	CS	2.4+ 7	1.0+ 8	UI	EXPT	PR	116	173	59	O'CONNELL+ RELAT.INTEG.SIGMA	+
011 NA 023	(E,ELASTIC)	AD	5. - 1	2.0+ 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	1. + 6	CAL	EXPT	PR	113	256	59	BAME+ SIGMA CURVE	+
011 NA 023	(N,G)	CS	9.7+ 5	1.9+ 7	USA	EXPT	PR	163	1299	67	MENLOVE+ ACTIVATION SIGMA TBL	+
011 NA 023	(N,G)	CS	1.3+ 7	1.5+ 7	HUN	EXPT	NP/A	95	229	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	2.5- 2		KFK	EXPT	ZP	213	352	68	EICHER CIRCUL.POLARIZATION	
011 NA 023	(N,G)	YD	PILE		BNL	EXPT	PR	104	1353	56	MOTZ N-CAPT. GAMMA	
011 NA 023	(N,G)	YD	PILE		BLG	EXPT	NP	33	272	62	FETTWEIS+ ISOMER PRODUCT.	
011 NA 023	(N,G)	YD	2.5+ 4	5.4+ 4	ORL	EXPT	PR	158	1049	67	BERGQVIST+ RES.CAPT.GAMMA YIELD	
011 NA 023	(N,G)	YD	1. + 3	2.0+ 5	RPI	EXPT	PR	178	1746	69	HOCKENBURY+ RES.PARAM.	
011 NA 023	(N,G)	YD	PILE		CAN	EXPT	CJP	47	953	69	NICHOL+ GAMMA INTENSITY	
011 NA 023	(P,G)	AD	5.8+ 5	1.5+ 6	USA	EXPT	PR	104	369	56	PROSSER+ ANGL.DIST.OF GAMMA	
011 NA 023	(P,G)	AD	4. + 6	1.2+ 7	ANL	EXPT	NP/A	116	682	68	BEARSE+ DIFF.SIGMA CURVE	+
011 NA 023	(P,G)	DD	7.0+ 3	3.6+ 5		EXPT	NP/A	385	57	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	GEMMELL+ 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	OSBORNE+ YIELD CURVE	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
011 NA 023	(P,G)	YD	3.9+ 6		CRC	EXTH	NP/A	305	151	78	MCDONALD+ YIELD CURVE	
011 NA 023	(P,G)	YD	4. + 5	1.3+ 6	USA	EXPT	PR/C	39	8	89	GOERRES+ YIELD CURVE	
011 NA 023	(P,G)	YD	1.0+ 6	1.4+ 6	NED	EXPT	NP/A	510	209	90	ENDT+ MG-24 LEVEL	
011 NA 023	(P,G)	YD	1.7+ 5	1.3+ 6	GER	EXPT	NP/A	514	471	90	SEUTHE+ RES.BRANCHING RATIO	
011 NA 023	(A,G)	YD	2. + 6	3. + 6	CAN	EXPT	CJP	47	1545	69	ROEPKE+ GAMMA TRANSITION	
011 NA 023	(A,G)	YD	2.0+ 6	3.3+ 6	NED	EXPT	NP/A	170	467	71	DE VOIGT+ AL-27 LEVEL	
011 NA 023	(A,G)	YD	2.0+ 6	3.3+ 6	NED	EXPT	NP/A	170	449	71	DE VOIGT+ RESONANCE	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
012 MG 000	(G,A)	ED		3.1+ 7	KFK	EXPT	NP/A	85	631	66	HOFFMANN+ ALPHA SPECTRUM	
012 MG 000	(G,ABSORPTION)	CS	1.1+ 7	3.0+ 7	CCP	EXPT	NP/A	72	137	65	DOLBILKIN+ SIGMA CURVE & TABLE	+
012 MG 000	(G,G)	YD	2. + 6	1.6+ 7	LRL	EXPT	PR	125	335	62	SEWARD RESONANT SCATT.	
012 MG 000	(G,N)	CS		1.6+ 7	PEN	EXPT	PR	104	1340	56	YERGIN PHOTONEUTRON YIELD SIGMA	+
012 MG 000	(G,SCATTERING)	DD		1.1+ 7		EXTH	NIM	166	91	79	MOREH N-CAPT GAMMA SOURCE	
012 MG 000	(G,TOTAL)	CS	1.0+ 7	2.9+ 7	USA	EXPT	PR	137	B301	65	MIN+ TOTAL PHOTONEUT. SIGMA CURVE	+
012 MG 000	(G,X)	CS	1.2+ 9		CCP	EXPT	SNP	21	243	75	NOGA+ SIGMA RATIO & SIGMA TBL	+
012 MG 000	(E,E)		5.4+ 8	7.3+ 8		EXPT	PR/C	35	1063	87	O'CONNELL+	
012 MG 000	(E,X)	CS	1.2+ 9		CCP	EXPT	SNP	21	243	75	NOGA+ SIGMA RATIO & SIGMA TBL	+
012 MG 000	(N,G)	CS	1.4+ 7		YUG	EXPT	NP/A	138	412	69	CVELBAR+ SIGMA PLOT	+
012 MG 000	(N,G)	CS	1.4+ 7		YUG	EXPT	NP/A	158	251	70	CVELBAR+ ACTIVATION SIGMA	+
012 MG 000	(N,G)	CS	1. + 2	1.8+ 6	ORL	EXPT	PR/C	14	1328	76	WEIGMANN+ LEVEL PARAM.	
012 MG 000	(N,G)	CS	PILE		CAN	EXPT	CJP	68	261	90	PRESTWICH+ E1 SIGMA VALUE	+
012 MG 000	(N,G)	YD	2.5- 2		CRC	EXPT	PR	115	401	59	MANNING+ G-G ANGL.CORRELAT.	
012 MG 000	(N,G)	YD	5.0+ 4	8.4+ 4	ORL	EXPT	PR	158	1049	67	BERGOVIST+ RES.CAPT.GAMMA YIELD	
012 MG 000	(N,G)	YD	4. + 0	5.0+ 5	COL	EXPT	PR/C	10	2150	74	SINGH+ RESONANCE PARAM.	
012 MG 000	(P,G)	YD	4.9+ 5	1.4+ 6	OSL	EXPT	NP	13	310	59	ANDERSEN+ RESONANT CAPT.YIELD	
012 MG 024	(G,ABSORPTION)	CS	NDG		CCP	EVAL	NP	31	338	62	NEUDACHIN+ GIANT RES.OF DIPOLE RES	+
012 MG 024	(G,G)	CS		2.4+ 7	GER	EXPT	PR/C	11	1851	75	BERG+ INTEGRAL SIGMA	+
012 MG 024	(G,G)	CS	1.7+ 7	2.8+ 7	AUI	EXPT	PR/C	39	324	89	ALARCON+ PARTIAL SIGMA	+
012 MG 024	(G,G)	YD	5. + 5	3.0+ 6	USA	EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	
012 MG 024	(G,G)	YD	4.4+ 5	1.3+ 6	GER	EXPT	NP/A	81	370	66	SKORKA+ RESONANT FLUORESC.	
012 MG 024	(G,G)	YD	1.4+ 6		GER	EXPT	NP/A	140	257	70	HERRMANN+ LIFE OF LEVEL	
012 MG 024	(G,N)	AD	NDG		LRL	EXPT	PR/C	3	672	71	BAGLAN+ DIFF.SIGMA CURVE	+
012 MG 024	(G,N)	CS		2.4+ 7	PEN	EXPT	PR	98	1296	55	NATHANS+ SIGMA CURVE	+
012 MG 024	(G,N)	CS	2.6+ 7	7.0+ 7	USA	EVAL	PR	97	444	55	MORINAGA SIGMA TBL	+
012 MG 024	(G,N)	CS	1.7+ 7	2.4+ 7	SAS	EXPT	NP	19	94	60	KING+ SIGMA CURVE	+
012 MG 024	(G,N)	CS	1.6+ 7	6.5+ 7	USA	EXPT	NP/A	127	474	69	ANDERSON+ SIGMA CURVE/TABLE	+
012 MG 024	(G,N)	CS	1.6+ 7	3.1+ 7	AUL	EXPT	NP/A	159	81	70	WEBB+ SIGMA CURVE	+
012 MG 024	(G,N)	CS	1.6+ 7	2.8+ 7	LRL	EXPT	PR/C	4	149	71	FULTZ+ SIGMA CURVE & INTEG.SIGMA	+
012 MG 024	(G,N)	CS	2.8+ 7		AML	EXPT	NP/A	411	105	83	RYAN+ INTEG.SIGMA TBL	+
012 MG 024	(G,N)	CS	1.6+ 7	3.0+ 7	CCP	EVAL	NP/A	483	109	88	IRGASHEV+ TOT.PHOTONEUTRON SIGMA	+
012 MG 024	(G,N)	YD	NDG		USA	EVAL	PR	97	1185	55	MORINAGA YIELD RATIO	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
012	MG	024	(G,P)	AD	NDG		SWD	THEO	NP/A	56	615	64	DIEHL+ PROTON DECAY FROM E1 STATE	
012	MG	024	(G,P)	CS		2.8+ 7	SWD	EXPT	PR	97	1186	55	JOHANSSON INTEGRAT.SIGMA VALUE	+
012	MG	024	(G,P)	CS	2.0+ 7	4.0+ 7	SWD	EXPT	NP/A	56	604	64	FORKMAN+ SIGMA CURVE	+
012	MG	024	(G,P)	ED		3.0+ 7		EXPT	YF	30	1185	79	VARLIAMOV+ PARTIAL YIELD,WIDTH	
012	MG	024	(G,P)	YD	NDG		USA	EVAL	PR	97	1185	55	MORINAGA YIELD RATIO	
012	MG	024	(G,SCATTERING)	XX	9.9+ 6	1.1+ 7	UI	EXPT	PR	163	1278	67	KUEHNE+ LEVEL WIDTH	
012	MG	024	(G,X)	CS	7.0+ 7		USA	EXPT	PR	113	1095	59	SCHUPP+ INTEGRATED SIGMA	+
012	MG	024	(G,XN)	CS	1.2+ 7	3.0+ 7	CCP	EXPT	NP/A	186	438	72	ISHKHANOV+ SIGMA CURVE	+
012	MG	024	(G,2N)	CS	1.6+ 7	6.5+ 7	USA	EXPT	NP/A	127	474	69	ANDERSON+ SIGMA CURVE/TABLE	+
012	MG	024	(E,A)	DD	1.4+ 7	2.4+ 7	TOH	EXPT	NP/A	431	269	84	HIROOKA+ INVERSE SIGMA(CURV,TBL)	+
012	MG	024	(E,E)		8.0+ 7	2.0+ 8		EXPT	PR/C	36	2212	87	HOTTA+	+
012	MG	024	(E,ELASTIC)	AD	2.5+ 8	5.0+ 8	STF	EXPT	PR/C	9	1861	74	LI+ DIFF.SIGMA TBL	+
012	MG	024	(E,F)	AD	2.0+ 7	2.2+ 7	TOR	EXPT	PRL	40	1248	78	SANDORFI+ DIFF. SIGMA	+
012	MG	024	(E,INELASTIC)	AD	3.9+ 7	5.6+ 7	USA	EXPT	PR	171	1250	68	FAGG+ 180DEG.SIGMA CURVE	+
012	MG	024	(E,INELASTIC)	AD		1.2+ 7	GER	EXPT	ZP	220	66	69	TITZE MOMENTUM TRANF.,DIFF.SIGMA	+
012	MG	024	(E,INELASTIC)	AD	1.2+ 7	2.7+ 7	GER	EXPT	ZP	234	144	70	GOLDMANN DIFF.SIGMA CURVE	+
012	MG	024	(E,INELASTIC)	AD	9.9+ 7		UK	EXPT	NIM	101	203	72	HOGG+ TYPICAL SPECTRUM	
012	MG	024	(E,INELASTIC)	AD	8.2+ 7	1.6+ 8	GLS	EXPT	NP/A	412	1	84	MACGREGOR+	
012	MG	024	(E,MISCELLAN.)	YD	1.6+ 7	3.2+ 7		EXPT	PRL	45	1615	80	SANDORFI+ ELECTRODISINT.PRODUCT	
012	MG	024	(E,SCATTERING)	AD	1.9+ 8		STF	EVAL	PR	104	1466	56	HELM DIFF.SIGMA TBL & CURVE	+
012	MG	024	(E,SCATTERING)	AD	3.9+ 7	5.6+ 7	NRL	EXPT	PR/C	1	1137	70	FAGG+ DIFF.SIGMA TBL	+
012	MG	024	(E,SCATTERING)	AD	5.0+ 8		STF	EXPT	PR/C	9	2230	74	WHITNEY+ SIGMA TABLE	+
012	MG	024	(E,SCATTERING)	AD	9.0+ 7	2.8+ 8	TOR	EXPT	PR/C	29	1664	84	ZAPEK+ ELECTROMAG.FORM FACTOR	
012	MG	024	(E,SCATTERING)	XX	1.0+ 8	2.6+ 8	CCP	EXPT	SNP	7	705	68	SAVITSKII+ FORM FACTOR	
012	MG	024	(E,SCATTERING)	XX	2.3+ 8		CCP	EXPT	SNP	12	5	71	KHVASTUNOV+ FORM FACTOR	
012	MG	024	(E,SCATTERING)	XX	NDG		CCP	THEO	NP/A	483	92	88	KUCHTA CALCUL.FORM FACTOR	
012	MG	024	(E,SCATTERING)	XX	NDG		AUL	THEO	PR/C	41	335	90	AMOS+ FORM FACTOR	
012	MG	024	(E,SCATTERING)	YD	NDG		AML	THEO	NP/A	424	60	84	AMOS+ FORM FACTOR CURV	
012	MG	024	(N,G)	CS	1. + 2	1.8+ 6	ORL	EXPT	PR/C	14	1328	76	WEIGMANN+ LEVEL PARAM.	
012	MG	024	(N,G)	ED	8.3+ 4	4.3+ 5	TIT	EXPT	PR/C	41	862	90	UCHIYAMA+ RES.PARAM.	
012	MG	024	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	102	209	67	SPILLING+ Q-VALUE	
012	MG	024	(N,G)	YD	8.4+ 4	4.3+ 5	TIT	EXPT	PR/C	41	862	90	UCHIYAMA+ RESONANCE CAPTURE	
012	MG	024	(P,G)		4.0+ 5	2.5+ 6		EXPT	SNP	45	940	87	POYARKOV+	
012	MG	024	(P,G)	AD	2. + 5	2.3+ 6	CAN	EXPT	NP/A	242	519	75	TRAUTVETTER+ DIFF.SIGMA CURVE	+
012	MG	024	(P,G)	YD	1.7+ 6	2.0+ 6	CRC	EXPT	PR	114	1312	59	LITHERLAND+ RESON.CAPT.GAMMA	
012	MG	024	(P,G)	YD	3. + 5	2.1+ 6	NED	EXPT	NP/A	88	12	66	ENGELBERTINK+ RESONANCE STRENGTH	
012	MG	024	(P,G)	YD	1.0+ 7	1.5+ 7	COL	EXPT	PR	157	921	67	FELDMAN+ PROTON-CAPT.GAMMA	
012	MG	024	(P,G)	YD	8.0+ 5	1.8+ 6	SAF	EXPT	ZP	227	326	69	VAN REENEN+ GAMMA INTENSITY	
012	MG	024	(P,G)	YD	1.2+ 6	1.5+ 6	CAN	EXPT	CJP	49	402	71	EVERLING+ AL-27 LEVEL	
012	MG	024	(P,G)	YD	2.0+ 5	1.7+ 6	FIN	EXPT	ZP	252	206	72	PIIPARINEN GAMMA TRANSITION	
012	MG	024	(P,G)	YD	1.9+ 8		USA	EXPT	NP/A	484	90	88	WIESCHER+ AL-23 LEVEL	
012	MG	024	(A,G)	DD	3.2+ 6	3.8+ 6		EXPT	PKL	10	32	79	KOLTAI+	
012	MG	024	(A,G)	DD	4.3+ 6	1.4+ 7		EXPT	PR/C	27	948	83	KOHLMANN+ E1,E2 SIGMA CURV	
012	MG	024	(A,G)	ED	1.5+ 6	3.8+ 6	NED	EXPT	NP/A	301	213	78	MAAS+ SI-28 RES.	
012	MG	024	(A,G)	YD	2.4+ 6	3.2+ 6	SWT	EXPT	NP	43	229	63	RYTZ+ YIELD CURVE	
012	MG	024	(A,G)	YD	3.2+ 6	4.5+ 6	ANL	EXPT	PR	133	8590	64	WEINMAN+ RES.PARAM.	
012	MG	024	(A,G)	YD	5.3+ 6	1.5+ 7	ANL	EXPT	NP/A	108	180	68	MEYER-SCHUETZMEISTER+ TAB/CURVE	+
012	MG	024	(A,G)	YD	2.9+ 6	3.2+ 6	GER	EXPT	NP/A	127	13	69	GRAWE+ GAMMA YIELD	
012	MG	024	(A,G)	YD	1.4+ 6	2.8+ 7	USA	EXPT	NP/A	130	25	69	LYONS GAMMA YIELD	
012	MG	025	(G,ABSORPTION)	CS	NDG		CCP	EVAL	NP	31	338	62	NEUDACHIN+ GIANT RES.OF DIPOLE RES	+

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

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
012 MG 026	(P,G	) CS	3.4+ 5	1.0+ 6	NED	EXPT	NP/A	301	237	78	MAAS+ AL-27 RES.	
012 MG 026	(P,G	) CS	5. + 5	2.0+ 7		EXPT	NP/A	331	389	79	PAINE+ ABS.RES.STRENGTH TBL	
012 MG 026	(P,G	) CS	1.6+ 6	4.0+ 6		EXPT	JPJ	48	1804	80	ISAGAWA+ ALSO 2ND GAMMA SPECT.	
012 MG 026	(P,G	) CS	8.0+ 4	3.6+ 5		EXPT	ZP/A	296	273	80	BUCHMANN+ RESONANCE	
012 MG 026	(P,G	) YD	6.5+ 5		NOR	EXPT	NP	27	112	61	NORDHAGEN RESONANCE SPIN,PARITY	
012 MG 026	(P,G	) YD		1.2+ 6	AUL	EXPT	NP	30	215	62	OPHEL+ RESONANCE	
012 MG 026	(P,G	) YD	3. + 5	2.1+ 6	NED	EXPT	NP/A	88	12	66	ENGELBERTINK+ RESONANCE STRENGTH	
012 MG 026	(P,G	) YD	2.1+ 6	2.5+ 6	CCP	EXPT	SNP	5	825	67	KOVAL+ AL-27 LEVEL	
012 MG 026	(P,G	) YD	2.2+ 6		CAN	EXPT	CJP	46	1649	68	ROEPKE+ AL-27 LEVEL	
012 MG 026	(P,G	) YD	6.6+ 5	1.0+ 6	AUL	EXPT	NP/A	135	647	69	HUANG+ GAMMA INTENSITY	
012 MG 026	(P,G	) YD	2.0+ 6	3.0+ 6	NED	EXPT	NP/A	170	467	71	DE VOIGT+ AL-27 LEVEL	
012 MG 026	(P,G	) YD		3.4+ 5	GER	EXPT	NP/A	512	509	90	ILIADIS+ RES.PARAMETER	
012 MG 026	(A,G	) YD	4. + 6	1.4+ 7	ANL	EXPT	NP/A	108	180	68	MEYER-SCHUETZMEISTER+ TAB/CURVE	+

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
013 AL 026	(P,G	) DD	1.2+ 6			EXPT	NP/A	385	461	82	KEINONEN+	
013 AL 026	(P,G	) ED	3.2+ 5	3.9+ 5		EXPT	NIM	197	383	82	ALKEMADE+	
013 AL 026	(P,G	) ED	8.8+ 5			EXPT	PL/B	113	137	82	DE WIT+	
013 AL 026	(P,G	) XX	6. + 5	1.7+ 6		EXPT	NP/A	373	326	82	ANDERSON+	
013 AL 026	(P,G	) YD	1.7+ 5	1.6+ 6	MST	EXPT	NP/A	415	93	84	BUCHMANN+ RES.PARAM. TBL	
013 AL 027	(G,A	) CS	1.0+ 8	1.3+ 9	CCP	EXPT	SNP	6	312	68	ANTUF'EV+ NA-24 PROD.SIGMA CURVE	+
013 AL 027	(G,A	) DD		3.3+ 7	GER	EXPT	ZP	192	502	66	WENDLING+ DOUBL.DIFF.SIGMA CURVE	+
013 AL 027	(G,A	) ED		3.1+ 7	KFK	EXPT	NP/A	85	631	66	HOFFMANN+ ALPHA SPECTRUM	
013 AL 027	(G,ABSORPTION)	CS	1.3+ 7	2.7+ 7	YUG	EXPT	PR	114	1621	59	MIHAILOVIC+ TOT.ABS.SIGMA CURVE	+
013 AL 027	(G,ABSORPTION)	CS	1.3+ 7	2.7+ 7	YUG	EXPT	NP	14	131	59	DULAR+ ABSORPT.SIGMA CURVE	+
013 AL 027	(G,ABSORPTION)	CS	2.0+ 7		PEN	EXPT	PR	118	1256	60	CARROLL+ TOT.ABSORP.SIGMA	+
013 AL 027	(G,ABSORPTION)	CS	1.3+ 7	8.0+ 7	NBS	EXPT	PR	117	1261	60	WYCKOFF+ ATTENUAT.COEFF.TBL/CURVE	+
013 AL 027	(G,ABSORPTION)	CS	1.0+ 7	3.0+ 7	KFK	EXPT	NP	17	238	60	ZIEGLER ABSORPT.SIGMA	+
013 AL 027	(G,ABSORPTION)	CS	1.2+ 7	3.0+ 7	AUL	THEO	NP	22	216	61	BAGLIN+ TOT.ABSORPT.SIGMA CURVE	+
013 AL 027	(G,ABSORPTION)	CS	1.0+ 8	2.5+ 8	UK	EXPT	NP/A	94	73	67	BROOKES+ TOT.ABSORP.SIGMA TBL/CRV	+
013 AL 027	(G,ABSORPTION)	CS	6.4+ 6		ISL	EXPT	NP/A	252	423	75	MOREH+ ATTENUAT. COEFF.	+
013 AL 027	(G,ABSORPTION)	CS	3. + 6	3.0+ 7		EXPT	PR/C	21	2328	80	SHERMAN+ TOF	
013 AL 027	(G,ABSORPTION)	CS	3.2+ 4	1.5+ 5	IND	EXPT	CJP	59	22	81	PUTTASWAMY+ TOT.ATTENUAT.SIGMA	+
013 AL 027	(G,ABSORPTION)	CS	2.4+ 8	3.3+ 8	SAC	EXPT	NP/A	431	573	84	CARLOS+ 2PT./SIGMA PLOT	
013 AL 027	(G,D	) AD	1.1+ 9		CCP	EXPT	SNP	14	502	72	ANTUF'EV+ DIFF.SIGMA CURVE	+
013 AL 027	(G,E	) CS	2.6+ 6		USA	EXPT	NP/A	80	588	66	TITUS+ PAIR PRODUCT.SIGMA VALUE	+
013 AL 027	(G,E	) YD	NDG		GER	EXPT	ZP	183	249	65	SCHARMANN+ PHOTOEMISSION	
013 AL 027	(G,ELASTIC	) CS	1.6+ 6		LRL	EXPT	PR	112	1267	58	ALVAREZ+ 124DEG.SCATT.SIGMA	+
013 AL 027	(G,ELASTIC	) CS	1.2+ 6	1.3+ 6	CAN	EXPT	CJP	40	622	62	STANDING+ CO-60 G-SOURCE,SIGMA TBL	+
013 AL 027	(G,G	)	2.0+ 6	1.0+ 7		EXPT	PR/C	35	921	87	VODHANEL+	
013 AL 027	(G,G	) CS	1.5+ 7		GER	EXPT	ZP	175	430	63	SCHMID+ RESONANT SCATT.	+
013 AL 027	(G,G	) CS	2.8+ 5	6.6+ 5		EXPT	NP/A	80	93	66	ANAND+ SIGMA CURVE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
013	AL	027	(G,G	) YD	5. + 5	3.0+ 6	USA	EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	
013	AL	027	(G,G	) YD	1.0+ 6	1.3+ 6	SAF	EXPT	NP/A	76	248	66	HOUGH+ RESONANT.SCATT,LEVEL WIDTH	
013	AL	027	(G,G	) YD	1.0+ 6		GER	EXPT	NP/A	91	472	67	EVERS+ LEVEL WIDTH	
013	AL	027	(G,G	) YD	3.0+ 6		USA	EXPT	PR	174	132	68	ROBINSON+ RESONANT.SCATT.	
013	AL	027	(G,G	) YD	1.0+ 6		SAF	EXPT	NP/A	132	110	69	HOUGH+ LEVEL WIDTH	
013	AL	027	(G,G	) YD	1.0+ 6		USA	EXPT	NP/A	184	574	72	IMADA+ LEVEL WIDTH	
013	AL	027	(G,INELASTIC	) ED	6.2+ 9		GER	EXPT	ZP	212	235	68	BRANDES 2ND PHOTON SPECTRUM	
013	AL	027	(G,INELASTIC	) YD	1.4+ 7		JAE	EXPT	NP/A	188	461	72	SHIKAZONO+ LEVEL SCHEME	
013	AL	027	(G,MESON	) YD	1.2+ 9		COR	EXPT	PR	133	81200	64	SADOFF+ MESON PHOTOPRODUCTION	
013	AL	027	(G,N	) AD	2.2+ 7		SAS	EXPT	CJP	39	1158	61	BAKER+ ANGL.DIFF.SIGMA	+
013	AL	027	(G,N	) CS	2.6+ 7	7.0+ 7	USA	EVAL	PR	97	444	55	MORINAGA SIGMA TBL	+
013	AL	027	(G,N	) CS	1.3+ 7	1.9+ 7	AUL	EXPT	NP	22	207	61	BAGLIN+ SIGMA CURVE	+
013	AL	027	(G,N	) CS	1.3+ 7	2.5+ 7	AUL	EXPT	NP/A	64	486	65	THOMPSON+ SIGMA CURVE	+
013	AL	027	(G,N	) CS	1.3+ 7	3.7+ 7	LRL	EXPT	PR	143	790	66	FULTZ+ SIGMA CURVE	+
013	AL	027	(G,N	) CS	1.4+ 7	6.6+ 7	USA	EXPT	PR	183	978	69	ANDERSON+ SIGMA CURVE	+
013	AL	027	(G,N	) CS	3.0+ 8	1.0+ 9	ITY	EXPT	NIM	93	77	71	NAPOLI+ ABSOL.SIGMA VALUE	+
013	AL	027	(G,N	) ED	7.0+ 7		CAN	EXPT	CJP	33	785	55	DIXON ENERGY & ANGL.DISTRIBUTION	
013	AL	027	(G,N	) ED	2.4+ 7	3.0+ 7	ITY	EXPT	NP	47	607	63	MILONE NEUTRON SPEVTA	
013	AL	027	(G,NP	) CS	1.8+ 7	2.9+ 7	SWD	EXPT	NIM	5	37	59	KOCKUM+ PHOTO-ABSORPTION SIGMA PLT	+
013	AL	027	(G,P	) AD	8.0+ 7	2.9+ 8	CCP	EXPT	SNP	12	627	71	ANTUF'EV+ DIFF. SIGMA CURVE	+
013	AL	027	(G,P	) AD		4.0+ 8	SWD	EXPT	ZP	265	1	73	DOUGAN+ DIFF.SIGMA TABLE	+
013	AL	027	(G,P	) CS	2.6+ 7	7.0+ 7	USA	EVAL	PR	97	444	55	MORINAGA SIGMA TBL	+
013	AL	027	(G,P	) CS	NDG		CCP	COMP	SNP	42	668	85	ARZIBEKOV+ INTEGRATED SIGMA	+
013	AL	027	(G,P	) DD	4.0+ 7	4.0+ 8	ORL	THEO	PR/C	13	240	76	GABRIEL PHOTOPROTON SIGMA	+
013	AL	027	(G,P	) ED	7.0+ 7		CAN	EXPT	CJP	34	1480	56	DAWSON ENERGY & ANGL.DISTRIBUTION	
013	AL	027	(G,P	) ED		3.6+ 7	STF	EXPT	PR	127	1746	62	DODGE+ PHOTOPROTON SPECTRA	
013	AL	027	(G,P	) XX		3.4+ 8	MIT	EXPT	PR	99	1621	55	WEINSTEIN+ P-P COINCIDENCE	
013	AL	027	(G,P	) XX	1.7+ 8	2.2+ 8	CCP	EXPT	SNP	51	999	90	AVAKYAN+ POLARIZATION	
013	AL	027	(G,P	) XX	3.5+ 8		CCP	EXPT	SNP	51	385	90	ZYBALOV+ PROTON POLARIZATION	
013	AL	027	(G,PION +	) AD	5.5+ 8		STF	EXPT	PR	105	1840	57	WILLIAMS+ Z-DEPEND.OF PION PRODUCT	+
013	AL	027	(G,PION +	) CS	1.2+ 9		SWD	EXPT	NP/A	162	193	71	BLOMQVIST+ PI+ PRODUCT.SIGMA CURV	+
013	AL	027	(G,PION +	) CS	2.5+ 8	8.0+ 8	SWD	EXPT	ZP	261	255	73	FRIBERG+ SIGMA CURVE	+
013	AL	027	(G,PION +	) YD		3.4+ 8	LRL	EXPT	PR	108	1040	57	IMHOF+ POSITV.PION PRODUCT.	+
013	AL	027	(G,PION	) CS	1.0+ 9		COR	EXPT	PR	123	1423	61	MCCLELLAND CHARGED MESON PRODUCT.	+
013	AL	027	(G,PION	) CS	1.0+ 8	3.0+ 8	UI	EXPT	PR	143	833	66	WALTERS+ POSITIV.PION PRODUCT.	+
013	AL	027	(G,PION	) CS	5.0+ 8		CCP	EXPT	SNP	14	20	72	GRISHAEV+ SIGMA TBL	+
013	AL	027	(G,PION	) CS	3.6+ 8	2. +12	CCP	EXPT	SNP	14	506	72	NOGA+ SIGMA CURVE	+
013	AL	027	(G,PION	) CS	1.7+ 8	4.1+ 8	ITY	THEO	PR/C	8	188	73	DEVANATHAN+ SIGMA CURVE	+
013	AL	027	(G,PION	) CS	6.0+ 8	1.2+ 9	UFT	EXPT	PR/C	16	1513	77	KUZ'MENKO+ PHOTO-&ELECTRO PRODUCTS	+
013	AL	027	(G,PION	) CS	2.0+ 8	9.0+ 8	CCP	EXPT	SNP	42	1	85	ARAKELYAN+ TOTAL PRODUCT. SIGMA	+
013	AL	027	(G,PION	) YD	1.7+ 8		USA	EXPT	PR	127	1772	62	SCHRACK+ MESON PRODUCTION	
013	AL	027	(G,PION	) YD	1.3+ 8	5.8+ 8	SWD	EXPT	PR/C	15	988	77	BLOMQVIST+ ACTIVATION	+
013	AL	027	(G,PION 0	) AD	3.0+ 8	4.5+ 8	CCP	EXPT	SNP	53	379	91	BLEOUSOV+ DIFF.SIGMA TABLE	+
013	AL	027	(G,SCATTERING)	AD	1.4+ 5		IND	EXPT	NIM	131	163	75	ROY+ COHERENT SCATT.SIGMA CURVE	+
013	AL	027	(G,T	) CS	9.0+ 7		NBS	EXPT	NP/A	157	49	70	CURRIE+ INTEGRAT.SIGMA VALUE	+
013	AL	027	(G,X	)	3.0+ 6	3.8+ 7		EXPT	PR/C	36	911	87	SHERMAN+	
013	AL	027	(G,X	) CS	2.5+ 7	4.0+ 7	STF	EXPT	PR	100	113	55	REAGAN N-14 PRODUCT.SIGMA CURVE	+
013	AL	027	(G,X	) CS	2.5+ 9		CAL	EXPT	PR	107	604	57	BRABANT+ ELECTRON PAIR-PRODUCT.	+
013	AL	027	(G,X	) CS	1. + 9	7.4+ 9	SWD	EXPT	NP/A	197	44	72	ANDERSSON+ SIGMA PLOT	+
013	AL	027	(G,X	) CS	1. + 9		ITY	EXPT	PR/C	8	206	73	NAPOLI+ SPALLATION PRODUCT SIGMA	+
013	AL	027	(G,X	) CS	3.0+ 8	1.2+ 9	CCP	EXPT	SNP	19	484	74	NOGA+ SIGMA CURVE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
013	AL	027	(G,X	) CS	4.5+ 8		GER	EXPT	NP/A	221	145	74	DAVID+ SIGMA CURVE & TBL	+
013	AL	027	(G,X	) CS	1.0+ 7	1.6+ 8	GER	EXPT	NP/A	251	479	75	AHRENS+ SIGMA CURVE	+
013	AL	027	(G,X	) CS	1.2+ 9		CCP	EXPT	SNP	21	243	75	NOGA+ SIGMA RATIO & SIGMA TBL	+
013	AL	027	(G,X	) CS	1.3+ 8	5.8+ 8	SWD	EXPT	ZP/A	278	83	76	BLOMQVIST+ SIGMA CURVE	+
013	AL	027	(G,X	) CS	5.5+ 7	8.5+ 7	MRY	THEO	PR/C	16	1812	77	WU+ PRE-EQUILIBRIUM ANALYSES	
013	AL	027	(G,X	) CS	4.4+ 8	3.8+ 9	CCP	EVAL	SNP	44	187	86	AVAKYAN+ PRODUCT YIELD SIGMA	+
013	AL	027	(G,X	) DD	3.0+ 7	1.4+ 8	EDG	EXPT	NP/A	429	61	84	FLOWERS+ SIGMA CURV	
013	AL	027	(G,X	) YD	8. + 8	2.1+ 9	GER	EXPT	NP/A	160	237	71	KUMBARTZKI+ X=2PN PRODUCT. YIELD	
013	AL	027	(G,X	) YD	1.5+ 9		GER	EXPT	NP/A	160	237	71	KUMBARTZKI+ SPOLLATION PRODUCT	
013	AL	027	(G,X	) YD	2. + 9	4.5+ 9	CCP	EXPT	SNP	25	601	77	ASATURYAN+ YIELD CURVES	
013	AL	027	(G,XN	) CS	1.3+ 7	3.0+ 7	ITY	EXPT	NP	9	32	58	FERRERO+ SIGMA CURVE,(G,N+2N)	+
013	AL	027	(G,XP	) YD	6.0+ 7	1.0+ 8	GLS	EXPT	PL/B	79	356	78	FINDLAY+	
013	AL	027	(G,2P	) CS	2.5+ 7	6.5+ 7	USA	EXPT	PR	110	1113	58	AULL+ SIGMA CURVE	+
013	AL	027	(G,2PN	) CS	2.0+ 7	3.0+ 8	USA	EXPT	NP/A	122	606	68	MEYER+ SIGMA CURVE & TABLE	+
013	AL	027	(G,2PN	) CS	9.5+ 7	9.7+ 8	SWD	EXPT	ZP/A	273	97	75	JOHNSSON+ SIGMA CURVE	+
013	AL	027	(E,ABSORPTION)	CS	2.5+ 6	5.0+ 7	GER	THEO	ZP	255	459	72	BORIE+ CAL.PAIR PRODUCT.SIGMA	+
013	AL	027	(E,ABSORPTION)	CS	1.5+ 8	5.0+ 8	CCP	EXPT	SNP	23	265	76	VLASENKO+ TOT.HADRONIC SIGMA	+
013	AL	027	(E,ABSORPTION)	XX	3.4+ 6	1.9+ 7	UI	EXPT	PR	115	633	59	HALL+ ENERGY LOSS	
013	AL	027	(E,ABSORPTION)	XX	5.3+ 7	9.3+ 7	USA	EXPT	ZP	271	69	74	BUSKIRK+ MOST PROBABLE ENERGY LOSS	
013	AL	027	(E,ELASTIC	) AD	8.0+ 7	2.0+ 8	FR	EXPT	NP/A	91	513	67	STOVALL+ FORM FACTOR	
013	AL	027	(E,ELASTIC	) AD	1.0+ 9	1.2+ 9	CCP	THEO	SNP	13	660	71	TITOV+ ELECTROPRODUCT.MECHANISM	
013	AL	027	(E,ELASTIC	) AD	2.5+ 8	5.0+ 8	STF	EXPT	PR/C	9	1861	74	LI+ DIFF.SIGMA TBL	+
013	AL	027	(E,ELASTIC	) AD	5.0+ 8		USA	THEO	PR/C	9	2033	74	PREWITT+ DIFF.SIGMA CURVE	+
013	AL	027	(E,EP	) DD	7.8+ 8		USA	EXTH	PR/C	45	780	92	GARINO+ DIFF.SIGMA CURVE & TBL	+
013	AL	027	(E,EP	) XX	NDG		USA	THEO	PR/C	45	791	92	PANDHARIPANDE+ NUCL.TRANSPARENCY	
013	AL	027	(E,G	) AD	5. + 5	1.0+ 6	NBS	EXPT	PR	100	1560	55	MOTZ BREM.DIFF.SIGMA	+
013	AL	027	(E,G	) AD	2.5+ 7		UI	EXPT	PR	117	194	60	JAMNIK+ 15MEV-BREM MEASURED	+
013	AL	027	(E,G	) AD	2.2+ 7		JPN	EXPT	NIM	133	355	76	HIRAYAMA+ SPATIAL DIST.OF BREMSST	
013	AL	027	(E,G	) CS	1.8+ 5	3.8+ 5	GER	EXPT	ZP	197	8	66	AIGINGER BREMSST.SIGMA CURVE	+
013	AL	027	(E,G	) DD	2.7+ 6	9.7+ 6	NBS	EXPT	PR	102	1598	56	STARFELT+ DIFF.SIGMA CURVE	+
013	AL	027	(E,G	) DD	1.0+ 6	2.1+ 7	BZL	THEO	NIM	91	135	71	FERDINANDE+ CAL.BREMSST.SPECT.CRV	+
013	AL	027	(E,G	) ED	3.0+ 7	1.2+ 8	UK	THEO	NIM	111	157	73	MATTHEWS+ BREMSST.SPECT.CURVE	+
013	AL	027	(E,G	) XX	2. + 6		AUS	EXPT	ZP	233	223	70	RANK LINEAR POLARIZATION OF BREMSS	
013	AL	027	(E,INELASTIC	) AD	5.0+ 5		NBS	EXPT	PR	132	1120	63	MOTZ+ 100DEG.DIFF.SIGMA CURVE	+
013	AL	027	(E,INELASTIC	) AD	NDG		STF	THEO	NP	43	242	63	GOLDEMBERG+ 180DEG.DIFF.SIGMA	+
013	AL	027	(E,INELASTIC	) AD	8.0+ 7	1.9+ 8	FR	EXPT	NP/A	101	601	67	LOMBARD+ DIFF.SIGMA TABLE	+
013	AL	027	(E,INELASTIC	) AD	6.0+ 7	3.4+ 8	UMA	EXPT	PR/C	27	2515	83	RYAN+ FORM FACTOR CURV	
013	AL	027	(E,INELASTIC	) CS	8. + 9	2.5+ 9	STF	EXPT	PRL	52	727	84	ARNOLD+	
013	AL	027	(E,INELASTIC	) DD	3.7+ 7	6.1+ 7	NRL	EXPT	PR/C	16	923	77	FAGG+ DOUBLE-DIFF. SIGMA	+
013	AL	027	(E,INELASTIC	) ED	2.0+ 7	6.0+ 7	GER	EXPT	ZP	180	209	64	BREUER SCATT.ELECTRON SPECT.	
013	AL	027	(E,INELASTIC	) ED	5.4+ 7	9.7+ 7	USA	EXPT	ZP	223	415	69	BUMILLER+ ENERGY LOSS DISTRIBUT.	
013	AL	027	(E,INELASTIC	) ED	7.0+ 7	3.4+ 8		EXPT	PR/C	21	2177	80	HICKS+ SCAT.FORM FACT,TRANSIT.	
013	AL	027	(E,INELASTIC	) XX	5.0+ 7	1.0+ 8	USA	EXPT	PR/C	9	1418	74	O'BRIEN+ IONIZATION LOSS	
013	AL	027	(E,MISCELLAN.)	DD	1.0+ 8			EXPT	YF	32	297	80	KHVASTUNOV+ MIS=P,D,T,HE,A	
013	AL	027	(E,N	) YD	1.0+ 7	3.6+ 7	STF	EXPT	PR	116	1551	59	BARBER+ NEUTRON YIELD	+
013	AL	027	(E,P	) AD	1. +12	4. +12	HRV	EXPT	PR	135	B1030	64	CHEN+ DIFF.SIGMA TBL	+
013	AL	027	(E,P	) AD	1.5+ 7	2.8+ 7	TOH	EXPT	NP/A	371	318	81	RYAN+ DIFF.SIGMA CURVE	+
013	AL	027	(E,P	) AD	1.7+ 7	2.6+ 7		EXPT	NP/A	389	29	82	RYAN+	
013	AL	027	(E,PION	) DD	1.2+ 9		CCP	EXPT	SNP	11	145	70	TITOV+ DOUBL.DIFF.SIGMA CURVE	+
013	AL	027	(E,PION	) YD	1.3+ 8	5.8+ 8	SWD	EXPT	PR/C	15	988	7?	BLOMQVIST+ ACTIVATION	+
013	AL	027	(E,SCATTERING)	AD	1.5+ 7	9.0+ 7	MIT	THEO	PR	98	1360	55	GLASSGOLD CAL.SIGMA CURVE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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	ZP	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	ZP	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	ZP	196	285	66	BRAUNSCHWEIG+ 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	ZP	174	91	63	BIENLEIN+ BACKSCATTERING	
013	AL	027	(E,SCATTERING)	YD	NDG		GER	THEO	ZP	179	116	64	THUEMMEL BACKSCATT.SIGMA	+
013	AL	027	(E,SCATTERING)	YD	5.1+ 4		GER	EXPT	ZP	188	124	65	HORSTMANN ABSOLUTE INTENSITY	
013	AL	027	(E,SCATTERING)	YD	5.2+ 5	2.0+ 6	GER	EXPT	ZP	209	260	68	AIGINGER+ PLURAL SCATT.	
013	AL	027	(E,X)	AD	1.5+ 1		GER	EVAL	ZP	168	404	62	BOERSCH+ ANGL.DEPEND OF ENERG.LOSS	
013	AL	027	(E,X)	AD	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	ZP/A	278	83	76	BLOMQVIST+ SIGMA CURVE	+
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	ZP	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	ZP	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	5.0+ 9		USA	EXPT	PR/C	4	2123	71	FULMER+ RELATIVE YIELD	
013	AL	027	(N,G)	CS	2.5+ 4		BLG	EXPT	NP	9	569	58	VERVIER SB-BE SOURCE,SIGMA TBL	+
013	AL	027	(N,G)	CS	1.4+ 7		HUN	EXPT	NP	46	141	63	CSIKAI+ ACTIVAT.SIGMA VALUE	+
013	AL	027	(N,G)	CS	1.4+ 7		HUN	EXPT	NP/A	95	229	67	CSIKAI+ SIGMA TABLE	+
013	AL	027	(N,G)	CS	1.4+ 7		GER	EXPT	NP/A	111	360	68	DINTER SIGMA VALUE	+
013	AL	027	(N,G)	CS	1.4+ 7		YUG	EXPT	NP/A	130	401	69	CVELBAR+ SIGMA TABLE & CURVE	+
013	AL	027	(N,G)	CS	1.4+ 7		YUG	EXPT	NP/A	158	251	70	CVELBAR+ ACTIVATION SIGMA	+
013	AL	027	(N,G)	CS	1.5+ 7		FR	EXPT	NSE	55	17	74	RIGAUD+ SIGMA TABLE	+
013	AL	027	(N,G)	CS	1.4+ 7		YUG	COMP	ZP/A	332	163	89	CVELBAR+ ACTIV.&INTEG. SIGMA	+
013	AL	027	(N,G)	CS	1.4+ 7		CSR	THEO	ZP/A	332	163	89	CVELBAR+ INTERGAT.SIGMA	+
013	AL	027	(N,G)	XX	2.5- 2		KFK	EXPT	ZP	219	114	69	EICHLER CIRCUL.POLARIZAT. OF GAMMA	
013	AL	027	(N,G)	YD	PILE		ANL	EXPT	PR	123	629	61	TOIT+ LIFETIME OF LEVEL	
013	AL	027	(N,G)	YD	2.5- 2		YAL	EXPT	NP	47	108	63	DRAPER+ TRANSIT.INTENSITY	
013	AL	027	(N,G)	YD	3.5+ 4	1.2+ 5	ORL	EXPT	PR	158	1049	67	BERGQVIST+ RES.CAPT.GAMMA YIELD	
013	AL	027	(N,G)	YD	1. + 3	2.0+ 5	RPI	EXPT	PR	178	1746	69	HOCKENBURY+ RES.PARAM.	
013	AL	027	(N,G)	YD	2.5- 2		SWD	EXPT	NP/A	126	392	69	HARDELL+ GAMMA INTENSITY	
013	AL	027	(N,G)	YD	PILE		CAN	EXPT	CJP	47	953	69	NICHOL+ GAMMA INTENSITY	
013	AL	027	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	145	449	70	SPITS+ GAMMA INTENSITY	
013	AL	027	(N,G)	YD	2.5- 2		CAN	EXPT	CJP	50	2845	72	ISHAQ+ GAMMA INTENSITY	
013	AL	027	(N,G)	YD	4. + 3	4.2+ 5	COL	EXPT	PR/C	11	1117	75	SINGH+ RES. PARAM.	
013	AL	027	(P,G)		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	+

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013	AL	027	(P,G	) CS	NDG		UK	THEO	NP/A	63	383	65	TANNER SIGMA CURVE	+
013	AL	027	(P,G	) CS	4. + 6	1.2+ 7	BOL	THEO	NP/A	166	397	71	MARANGONI+ SIGMA CURVE	+
013	AL	027	(P,G	) CS	5. + 5	2.0+ 7		EXPT	NP/A	331	389	79	PAINE+ ABS.RES.STRENGTH TBL	
013	AL	027	(P,G	) CS	1.4+ 7		WAU	EXPT	PR/C	27	493	83	SNOVER+ RES.PARAM.TBL	+
013	AL	027	(P,G	) DD	1.4+ 6	2.2+ 6		EXPT	NP/A	385	194	82	ANTTILA+	
013	AL	027	(P,G	) DD	1.6+ 6		WWA	EXPT	ZP/A	312	89	83	KICINSKA-HABIOR+ 3ANG.12STAT DDX	
013	AL	027	(P,G	) ED	9.4+ 5	1.3+ 6	NOR	EXPT	NP	44	130	63	NORDHAGEN GAMMA SPECTRA AT RESON.	
013	AL	027	(P,G	) ED	5. + 5	2.1+ 6	NED	EXPT	NP/A	301	213	78	MAAS+ SI-28 RES.	
013	AL	027	(P,G	) ED	4.0+ 7	8.0+ 7		EXPT	PRL	42	700	79	KOVASH+ C-12 LEVELS	
013	AL	027	(P,G	) XX	9.9+ 5	1.3+ 6	NRL	EXPT	PR	130	1078	63	BONDELID+ RESONANCE ENERGY	
013	AL	027	(P,G	) YD	5.0+ 5	5.1+ 5	NOR	EXPT	NP	4	39	57	ANDERSEN+ GAMMA TRANSITION	
013	AL	027	(P,G	) YD	5.0+ 5	1.4+ 6	NOR	EXPT	NP	9	509	58	ANDERSEN+ RESONANCE ENERG.,WIDTH	
013	AL	027	(P,G	) YD	5. + 6	7.7+ 6	CBR	EXPT	NP	10	45	59	GEMMELL+ GAMMA YIELD	
013	AL	027	(P,G	) YD	6.3+ 5	1.2+ 6	USA	EXPT	NP	21	106	60	DAHL+ RESONANCE ENERGY	
013	AL	027	(P,G	) YD	9.9+ 5		WAS	EXPT	PR	125	2012	62	WALTERS+ YIELD CURVE	
013	AL	027	(P,G	) YD	3.3+ 5	6.3+ 5	USA	EXPT	NP	29	70	62	VALERIO+ ANGL.CORRELAT.OF GAMMA	
013	AL	027	(P,G	) YD	9.9+ 5		USA	EXPT	PR	132	1710	63	BONDELID+ RES.CURVE SHAPE	
013	AL	027	(P,G	) YD	9.9+ 5		WIS	EXPT	NP/A	51	113	64	COSTELLO+ G-RAY YIELD CURVE	
013	AL	027	(P,G	) YD	1.6+ 6	2.5+ 6	EGY	EXPT	NP/A	56	401	64	ANTOUFIEV+ BRANCHING RATIO	
013	AL	027	(P,G	) YD	8. + 5	1.4+ 6	NOR	EXPT	NP/A	56	337	64	NORDHAGEN+ RESONANCE PARAMETER	
013	AL	027	(P,G	) YD	1.0+ 7		NED	EXPT	NP/A	88	235	66	VAN DER LEUN+ RESONANCE STRENGTH	
013	AL	027	(P,G	) YD	3. + 5	2.1+ 6	NED	EXPT	NP/A	88	12	66	ENGELBERTINK+ RESONANCE STRENGTH	
013	AL	027	(P,G	) YD	9.9+ 5		CAN	EXPT	CJP	44	3075	66	AZUMA+ SI-28 DECAY	
013	AL	027	(P,G	) YD	7. + 5	1.5+ 6	USA	EXPT	NP/A	102	406	67	MOURAD+ RELATIVE YIELD	
013	AL	027	(P,G	) YD	9. + 5	1.4+ 6	USA	EXPT	NP/A	102	383	67	DONHOWE+ RELATIVE YIELD	
013	AL	027	(P,G	) YD	3. + 5	2.6+ 6	USA	EXPT	NP/A	130	1	69	LYONS+ RESONANCE PARAMETER	
013	AL	027	(P,G	) YD	2.9+ 5	1.0+ 6	SAF	EXPT	NP/A	136	663	69	MEYER+ SI-28 LEVEL	
013	AL	027	(P,G	) YD	9. + 5	1.9+ 6	USA	EXPT	NP/A	147	235	70	ROUSH+ RESONANCE ENERGY	
013	AL	027	(P,G	) YD	1.0+ 6	2.0+ 6	SAF	EXPT	NP/A	144	261	70	MEYER+ GAMMA INTENSITY	
013	AL	027	(P,G	) YD	7.7+ 5	2.1+ 6	FR	EXPT	NP/A	146	90	70	ALEONARD+ SI-28 LEVEL	
013	AL	027	(P,G	) YD	6.6+ 5	2.2+ 6	USA	EXPT	PR/C	3	1222	71	HUANG+ GAMMA SPECTRA	
013	AL	027	(P,G	) YD	1.7+ 6		CAN	EXPT	CJP	49	685	71	LAM+ RESONANCE CAPTURE	
013	AL	027	(P,G	) YD	8.5+ 5	3.0+ 6	BAN	EXPT	ZP	257	380	72	AHMED+ PROTON RESONANCE	
013	AL	027	(P,G	) YD	6.1+ 5		CAN	EXPT	CJP	50	1949	72	ANYAS-WEISS+ GAMMA INTENSITY	
013	AL	027	(P,G	) YD	1.7+ 6	2.9+ 6	FR	EXPT	PR/C	9	2200	74	DALMAS+ GAMMA BRANCHING	
013	AL	027	(P,G	) YD	2.7+ 6	3.1+ 6	CAN	EXPT	NP/A	255	351	75	FRANK+ SI-28 LEVEL	
013	AL	027	(P,G	) YD	3. + 5	2.5+ 6	SAF	EXPT	NP/A	250	235	75	MEYER+ SI-28 LEVEL	
013	AL	027	(P,G	) YD	9.9+ 5		USA	EXPT	NIM	131	517	75	SCOTT+ GAMMA INTENSITY	
013	AL	027	(P,G	) YD	5. + 5	9. + 5		EXPT	PR/C	17	1550	78	PAINE+ RESONANCE STRENGTH	
013	AL	027	(P,G	) YD	5. + 6	8. + 6	GRA	EXPT	CJP	56	917	78	DALMAS+ SI-28 LEVELS	
013	AL	027	(P,G	) YD	3.7+ 6		WAS	EXPT	NP/A	305	144	78	OSBORNE+ YIELD CURVE	
013	AL	027	(P,G	) YD	1.1+ 7	2.4+ 7	WAU	EXPT	PRL	50	1191	83	LOWELL+	
013	AL	027	(P,G	) YD	NDG		OSU	EVAL	PR/C	37	1759	88	RACKERS+ SIGMA RATIO	
013	AL	027	(P,G	) YD	6.5+ 5	1.3+ 6	NED	EXPT	NP/A	510	209	90	ENDT+ MG-24 LEVEL	
013	AL	027	(P,G	) YD		3.4+ 5	GER	EXPT	NP/A	512	509	90	ILIADIS+ RES.PARAMETER	
013	AL	027	(D,G	) YD	4.6+ 6		USA	EXPT	PR	100	774	55	BENT+ D-CAPT.GAMMA	
013	AL	027	(A,G	) AD	2.3+ 6	3.3+ 6	NED	EXPT	NP/A	176	97	71	DE VOIGT+ P-31 LEVEL	
013	AL	027	(A,G	) YD	5.1+ 5	1.2+ 6	SWT	EXPT	NP	43	229	63	RYTZ+ YIELD CURVE	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
014	SI	000	(G,ABSORPTION)	CS	1.5+ 7	2.5+ 7	YUG	EXPT	NP	14	131	59	DULAR+ ABSORPT.SIGMA CURVE	+
014	SI	000	(G,ABSORPTION)	CS	1.0+ 7	3.0+ 7	YUG	EXPT	NIM	75	190	69	BEZIC+ TOT.ABSORPT.SIGMA CURVE	+
014	SI	000	(G,G)	YD	2. + 6	1.6+ 7	LRL	EXPT	PR	125	335	62	SEWARD RESONANT SCATT.	
014	SI	000	(G,N)	CS	1.2+ 7	3.0+ 7	USA	EXPT	PR	132	2251	63	BOLEN+ SIGMA CURVE/INTEG.SIGMA	+
014	SI	000	(G,N)	CS	1.8+ 7	6.6+ 7	USA	EXPT	PR	183	978	69	ANDERSON+ SIGMA CURVE	+
014	SI	000	(G,N)	ED	7.0+ 8	1.2+ 9	CCP	EXPT	SNP	13	265	71	ANTUF'EV+ DEUTERON SPECT.	
014	SI	000	(G,P)	CS	1.5+ 7	2.7+ 7	CCP	EXPT	SNP	4	359	67	GORYACHEV+ SIGMA CURVE & TBL	+
014	SI	000	(G,P)	ED	7.0+ 8	1.2+ 9	CCP	EXPT	SNP	13	265	71	ANTUF'EV+ DEUTERON SPECT.	
014	SI	000	(G,SCATTERING)	CS	1.0+ 7	1.1+ 7	NRL	EXPT	PR	120	175	60	TOBIN RESONANT SCATT.SIGMA	+
014	SI	000	(G,X)	CS	1.0+ 7	3.0+ 7	GER	EXPT	NP/A	251	479	75	AHRENS+ SIGMA CURVE	+
014	SI	000	(G,X)	CS	1.2+ 9		CCP	EXPT	SNP	21	243	75	NOGA+ SIGMA RATIO & SIGMA TBL	+
014	SI	000	(G,X)	CS	4.4+ 8	3.8+ 9	CCP	EVAL	SNP	44	187	86	AVAKYAN+ PRODUCT YIELD SIGMA	+
014	SI	000	(E,ABSORPTION)	XX	NDG		GER	EXPT	ZP	218	352	69	MEYER-EHMSEN+ ABSORPT. BY CRYSTAL	
014	SI	000	(E,ABSORPTION)	XX	1.2+ 9		CCP	EXPT	SNP	48	24	88	ADEISHVILI+ ENERG.LOSS OF POSITRON	
014	SI	000	(E,G)	YD	5.0+ 4		GER	EXPT	ZP	245	154	71	HEITMANN CERENKOV RADIATION	
014	SI	000	(E,INELASTIC)	YD	3.0+ 1	2.0+ 2	USA	THEO	ZP	224	19	69	BAUER SLOW ELECTRON SCATT.	
014	SI	000	(E,SCATTERING)	ED	NDG		GER	EXPT	ZP	171	436	63	CREUZBURG+ SCATT. BY CRYSTAL	
014	SI	000	(E,X)	CS	1.2+ 9		CCP	EXPT	SNP	21	243	75	NOGA+ SIGMA RATIO & SIGMA TBL	+
014	SI	000	(E,X)	ED	5.0+ 4		GER	EXPT	ZP	193	471	66	ZEPPENFELD+ ENERGY-LOSS SPECTRUM	
014	SI	000	(N,G)	CS	1.4+ 7		YUG	EXPT	NP/A	138	412	69	CVELBAR+ SIGMA PLOT	+
014	SI	000	(N,G)	CS	1.4+ 7		FR	EXPT	NP/A	154	243	70	RIGAUD+ INTEGRAT.SIGMA TABLE	+
014	SI	000	(N,G)	CS	1.4+ 7		YUG	EXPT	NP/A	158	251	70	CVELBAR+ ACTIVATION SIGMA	+
014	SI	000	(N,G)	ED	2.7+ 6	6.2+ 6		EXPT	ZP/A	289	229	79	LINDHOLM+ PART.SIGMA,DECAY LVL	
014	SI	000	(N,G)	YD	2.5- 2		CRC	EXPT	PR	115	401	59	MANNING+ G-G ANGL.CORRELAT.	
014	SI	028	(G,A)		1.6+ 7	2.5+ 7		EXPT	NP/A	474	397	87	KERKHOVE+	
014	SI	028	(G,A)	CS	1.6+ 7	3.2+ 7	AUL	EXPT	NP/A	72	23	65	CANNINGTON+ SIGMA CURVE	+
014	SI	028	(G,A)	CS	1.6+ 7	2.3+ 7	UI	EXPT	PR/C	27	470	83	GULBRANSON+ PARTIAL SIGMA CURV	
014	SI	028	(G,ABSORPTION)	CS	1.0+ 7	3.0+ 7	YUG	EXPT	NP/A	117	124	68	BEZIC+ SIGMA CURVE	+
014	SI	028	(G,ELASTIC)	CS	1.3+ 7	3.1+ 7		EXTH	YF	32	1465	80	ISHKHANOV+ 16PT.	
014	SI	028	(G,G)	CS	1.8+ 6		CCP	EXPT	SNP	5	339	67	BEGZHANOV+ RES.SCATT.SIGMA TBL	+
014	SI	028	(G,G)	CS	1.7+ 7	2.8+ 7	AUI	EXPT	PR/C	39	324	89	ALARCON+ PARTIAL SIGMA	+
014	SI	028	(G,G)	YD	5. + 5	3.0+ 6	USA	EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	
014	SI	028	(G,G)	YD	4.4+ 5	1.3+ 6	GER	EXPT	NP/A	81	370	66	SKORKA+ RESONANT FLUORESC.	
014	SI	028	(G,G)	YD	1.8+ 6	3.6+ 6	BLG	EXPT	NP/A	120	126	68	CRETEN+ LEVEL WIDTH	
014	SI	028	(G,INELASTIC)	CS	1.3+ 7	3.1+ 7		EXTH	YF	32	1465	80	ISHKHANOV+ 16PT.	
014	SI	028	(G,N)	CS		3.0+ 7	CCP	EXPT	SNP	7	698	68	GORYACHEV+ SIGMA CURVE & TBL	+
014	SI	028	(G,N)	CS	1.6+ 7	2.4+ 7	YAL	EXPT	NP/A	147	19	70	WU+ 90DEG.SIGMA CURVE	+
014	SI	028	(G,N)	CS	1.6+ 7	3.1+ 7	AUL	EXPT	NP/A	159	81	70	WEBB+ SIGMA CURVE	+
014	SI	028	(G,N)	CS	1.4+ 7	2.8+ 7	BOL	THEO	NP/A	166	397	71	MARANGONI+ SIGMA CURVE	+
014	SI	028	(G,N)	YD	NDG		USA	EVAL	PR	97	1185	55	MORINAGA YIELD RATIO	
014	SI	028	(G,N)	YD	1.3+ 7	3.3+ 7	SAS	EXPT	PR/C	27	960	83	PYWELL+ SIGMA & INTEG.SIGMA TBL	+
014	SI	028	(G,P)		1.6+ 7	2.5+ 7		EXPT	NP/A	474	397	87	KERKHOVE+	
014	SI	028	(G,P)	CS		2.8+ 7	SWD	EXPT	PR	97	1186	55	JOHANSSON INTEGRAT.SIGMA VALUE	+
014	SI	028	(G,P)	CS	1.6+ 7	3.2+ 7	AUL	EXPT	NP/A	72	23	65	CANNINGTON+ SIGMA CURVE	+
014	SI	028	(G,P)	CS	1.8+ 7		ITY	EXPT	NP/A	63	161	65	BIZZETI+ PARTIAL SIGMA	+
014	SI	028	(G,P)	CS	1.6+ 7	2.3+ 7	UI	EXPT	PR/C	27	470	83	GULBRANSON+ PARTIAL SIGMA CURV	
014	SI	028	(G,P)	ED	1.5+ 7	3.0+ 7	KFK	EXPT	ZP	177	514	64	ULLRICH DIFF.SIGMA CURVE	+
014	SI	028	(G,P)	ED		2.9+ 7		EXPT	IZV	43	186	79	VARLAMOV+ PARTIAL TRANSIT.	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
014	SI	028	(G,P)	YD	NDG		USA	EVAL	PR	97	1185	55	MORINAGA YIELD RATIO	
014	SI	028	(G,PION)	CS		4.0+ 8	CCP	EXPT	SNP	23	129	76	EPANESHNIKOV+ SIGMA CURVE	+
014	SI	028	(G,PION)	ED	3.0+ 8	4.0+ 8	CCP	EXPT	SNP	22	226	75	TONAPETYAN+ 90DEG.SIGMA CURVE	+
014	SI	028	(G,SCATTERING)	AD	1.5+ 7	1.4+ 8	GER	EXPT	NP/A	528	189	91	SCHELHAAS+ 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	ANTUF'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)	AD	8.2+ 7	1.6+ 8	GLS	EXPT	NP/A	412	1	84	MACGREGOR+	
014	SI	028	(E,INELASTIC)	CS	9. + 6	2.0+ 7		EXTH	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	ZP	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	ZP/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	BOLDEMAN+ RES. PARAM.	
014	SI	028	(P,G)		4.0+ 5	2.5+ 6		EXPT	SNP	45	940	87	POYARKOV+	
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	EJIRI+ 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	BROUDE+ 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(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
014	SI	028	(A,G)	AD	4.2+ 6	6.0+ 6	FR	EXPT	NP/A	176	401	71	CHEVALLIER+ S-32 LEVEL	
014	SI	028	(A,G)	AD	3.7+ 6	5.1+ 6		EXPT	NP/A	385	43	82	CSEH+	
014	SI	028	(A,G)	CS	1.1+ 7	2.1+ 7		EXPT	PR/C	20	5	79	CALARCO+ PARTIAL SIGMA,E1,E2 ST	
014	SI	028	(A,G)	YD	7. + 6	1.2+ 7	ANL	EXPT	NP/A	108	180	68	MEYER-SCHUETZMEISTER+ TAB/CURVE	+
014	SI	028	(A,G)	YD	3.7+ 6	3.8+ 6	FR	EXPT	NP/A	124	350	69	VERNOTTE+ RESONANT CAPT GAMMA	
014	SI	028	(A,G)	YD	2.9+ 6	3.2+ 6	GER	EXPT	NP/A	127	13	69	GRAWE+ GAMMA YIELD	
014	SI	028	(A,G)	YD	1.4+ 6	2.7+ 6	USA	EXPT	NP/A	172	589	71	TOEVS RESONANCE PARAMETER	
014	SI	028	(A,G)	YD	4. + 6	1.6+ 7		EXPT	PR/C	20	415	79	KUHLMANN+ INTEG.E1-STRENGTH TBL	
014	SI	029	(G,G)	YD	5. + 5	3.0+ 6	USA	EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	
014	SI	029	(G,G)	YD	4.9+ 6	6.4+ 6	DER	EXPT	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)	CS	2.6+ 7		AUL	EXPT	NP/A	457	1	86	RYAN+ INTEGRATED SIGMA	+
014	SI	029	(G,N)	YD	1.3+ 7	3.3+ 7	SAS	EXPT	PR/C	27	960	83	PYWELL+ SIGMA & INTEG.SIGMA TBL	+
014	SI	029	(G,P)	AD	NDG		IND	THEO	NP	38	654	62	DEVANATHAN+ DIFF.SIGMA TBL	+
014	SI	029	(G,P)	CS	2.6+ 7	7.0+ 7	USA	EVAL	PR	97	444	55	MORINAGA SIGMA TBL	+
014	SI	029	(G,P)	CS	2.6+ 7		AUL	EXPT	NP/A	457	1	86	RYAN+ INTEGRATED SIGMA	+
014	SI	029	(G,P)	CS	2.0+ 7	6.0+ 7	BZL	EXPT	PR/C	42	1559	90	DIAS+ INTEG.SIGMA VALUE/CURVE	+
014	SI	029	(G,XN)	CS	8. + 6	2.8+ 7	AML	EXPT	NP/A	369	141	81	PYWELL+ SIGMA CURVE	+
014	SI	029	(G,2P)	CS	2.0+ 7	6.0+ 7	BZL	EXPT	PR/C	42	1559	90	DIAS+ INTEG.SIGMA VALUE/CURVE	+
014	SI	029	(E,ELASTIC)	CS	9.0+ 7	2.8+ 8	MNZ	EXPT	NP/A	430	189	84	MIESSEN+ TRANSV.SIGMA TBL	+
014	SI	029	(E,INELASTIC)	ED	1.3+ 8	2.9+ 8		EXPT	PR/C	22	374	80	WHITNER+ FORM FACTOR	
014	SI	029	(E,SCATTERING)	YD	NDG		USA	THEO	PL/B	133	5	83	BROWN+ MAG.MOMENT CURV	
014	SI	029	(N,G)	ED	2.5- 2		MCM	EXPT	PR/C	41	1272	90	ISLAM+ LEVEL ENERGY	
014	SI	029	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	145	449	70	SPITS+ GAMMA INTENSITY	
014	SI	029	(N,G)	YD	2.5- 2		ANL	EXPT	NP/A	157	520	70	BEARD+ TRANSIT.GAMMA	
014	SI	029	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	224	517	74	SPITS+ GAMMA BRANCHING	
014	SI	029	(N,G)	YD	3. + 3	1.5+ 6	AIN	EXPT	NP/A	252	62	75	BOLDEMAN+ RES. PARAM.	
014	SI	029	(P,G)	ED	7.3+ 5	1.8+ 6		EXPT	PR/C	21	1196	80	ANTTILE+ P-30 LEVEL SCHEME	
014	SI	029	(P,G)	YD	2. + 5	8. + 5	NED	EXPT	PR	110	96	58	VAN DER LEUN+ RESONANCE ANALYSIS	
014	SI	029	(P,G)	YD	1. + 6	1.4+ 6	JPN	EXPT	NP/A	51	470	64	EJIRI+ LEVEL WIDTH	
014	SI	029	(P,G)	YD	3. + 5	2.1+ 6	NED	EXPT	NP/A	88	12	66	ENGELBERTINK+ RESONANCE STRENGTH	
014	SI	029	(P,G)	YD	7.0+ 5	1.8+ 6	USA	EXPT	PR	157	958	67	HARRIS+ PROTON-CAPT.GAMMA	
014	SI	029	(P,G)	YD	7.0+ 8	1.8+ 9	USA	EXPT	PR	187	1413	69	HARRIS+ P-30 LEVEL	
014	SI	029	(P,G)	YD	3. + 5	2.3+ 6	SAF	EXPT	NP/A	435	333	85	REINECKE+ P-30 LEVEL	
014	SI	029	(A,G)	ED	2.0+ 6	4.3+ 6	ALB	EXPT	ZP/A	285	207	78	OKON+ S-33 LEVELS	
014	SI	030	(G,A)	CS	2.6+ 7		AUL	EXPT	NP/A	457	1	86	RYAN+ INTEGRATED SIGMA	+
014	SI	030	(G,G)	YD	5. + 5	3.0+ 6	USA	EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	
014	SI	030	(G,N)	CS	2.6+ 7		AUL	EXPT	NP/A	457	1	86	RYAN+ INTEGRATED SIGMA	+
014	SI	030	(G,N)	YD	1.3+ 7	3.3+ 7	SAS	EXPT	PR/C	27	960	83	PYWELL+ SIGMA & INTEG.SIGMA TBL	+
014	SI	030	(G,NP)	CS	2.6+ 7		AUL	EXPT	NP/A	457	1	86	RYAN+ INTEGRATED SIGMA	+
014	SI	030	(G,P)	CS	2.6+ 7	7.0+ 7	USA	EVAL	PR	97	444	55	MORINAGA SIGMA TBL	+
014	SI	030	(G,P)	CS	1.0+ 8	7.0+ 8	SWD	EXPT	NP/A	171	551	71	FRIBERG+ SIGMA CURVE	+
014	SI	030	(G,P)	CS	7.5+ 7	8.0+ 8	SWD	EXPT	ZP/A	282	261	77	BUELOW+ SIGMA CURVE	+
014	SI	030	(G,P)	CS	2.6+ 7		AUL	EXPT	NP/A	457	1	86	RYAN+ INTEGRATED SIGMA	+
014	SI	030	(G,P)	CS	2.0+ 7	6.0+ 7	BZL	EXPT	PR/C	42	1559	90	DIAS+ INTEG.SIGMA VALUE/CURVE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
014	SI	030	(G,X	) CS	5.1+ 7		GER	EXPT	ZP	189	355	66	ARTUS SIGMA VALUE	+
014	SI	030	(G,XN	) CS		2.8+ 7		EXPT	NP/A	388	445	82	OPGERS+	
014	SI	030	(G,2N	) CS	2.6+ 7		AUL	EXPT	NP/A	457	1	86	RYAN+ INTEGRATED SIGMA	+
014	SI	030	(G,2N	) YD	1.3+ 7	3.3+ 7	SAS	EXPT	PR/C	27	960	83	PYWELL+ SIGMA & INTEG.SIGMA TBL	+
014	SI	030	(G,2P	) CS	7.5+ 7	6.4+ 8	LND	EXPT	ZP/A	285	323	78	BUILOW+ SIGMA	+
014	SI	030	(G,2P	) CS	2.0+ 7	6.0+ 7	BZL	EXPT	PR/C	42	1559	90	DIAS+ INTEG.SIGMA VALUE/CURVE	+
014	SI	030	(N,G	) CS	1.4+ 7		HUN	EXPT	NP/A	95	229	67	CSIKAI+ SIGMA TABLE	+
014	SI	030	(N,G	) ED	2.5- 2		MCM	EXPT	PR/C	41	1272	90	ISLAM+ LEVEL ENERGY	
014	SI	030	(N,G	) YD	2.5- 2		NED	EXPT	NP/A	145	449	70	SPITS+ GAMMA INTENSITY	
014	SI	030	(N,G	) YD	2.5- 2		ANL	EXPT	NP/A	157	520	70	BEARD+ TRANSIT.GAMMA	
014	SI	030	(N,G	) YD	2.5- 2		CCP	EXPT	SNP	15	605	72	DZHAFAR+ N-CAPT GAMMA	
014	SI	030	(N,G	) YD	3. + 3	1.5+ 6	AIN	EXPT	NP/A	252	62	75	BOLDEMAN+ RES. PARAM.	
014	SI	030	(P,G	) AD	8. + 5	2.2+ 6	NED	EXPT	NP/A	124	273	69	WOLFF+ ANGL.DISTRIBUT. OF GAMMA	
014	SI	030	(P,G	) AD	3. + 6	4. + 6	SAF	EXPT	NP/A	124	165	69	WIECHERS+ ANGL.DISTRIBUT. OF GAMMA	
014	SI	030	(P,G	) AD	2.0+ 7	3.6+ 7	DKE	EXPT	PR/C	43	223	91	FELDMAN+ ISOVECTOR GIANT QUADRUPOL	
014	SI	030	(P,G	) CS	5. + 5	2.0+ 7		EXPT	NP/A	331	389	79	PAINE+ ABS.RES.STRENGTH TBL	
014	SI	030	(P,G	) ED	1.1+ 6	1.3+ 6	USA	EXPT	PR	145	866	66	HARRIS+ CAPT.GAMMA ANGL.CORRELAT.	
014	SI	030	(P,G	) ED	5. + 6	2.8+ 7		EXPT	PR/C	22	397	80	CAMERON+ 90 DEG YIELD CURVE	
014	SI	030	(P,G	) XX	7.6+ 5		HLS	EXPT	NP	10	215	59	SIMONS SPIN/PARITY OF RES.LEVEL	
014	SI	030	(P,G	) YD	3. + 5	2.1+ 6	NED	EXPT	NP/A	88	12	66	ENGELBERTINK+ RESONANCE STRENGTH	
014	SI	030	(P,G	) YD	1.2+ 6		USA	EXPT	PR	162	1027	67	WILLMES+ P-31 LEVEL	
014	SI	030	(P,G	) YD	2. + 6	3. + 6	SAF	EXPT	NP/A	99	337	67	BORNMAN+ RESONANCE PARAMETER	
014	SI	030	(P,G	) YD	5. + 5	2.3+ 6	NED	EXPT	NP/A	107	332	68	WOLFF+ BRANCHING RATIO	
014	SI	030	(P,G	) YD	2. + 6	3. + 6	SAF	EXPT	NP/A	112	231	68	BORNMAN+ DECAY SCHEME	
014	SI	030	(P,G	) YD	4.9+ 5	2.5+ 6	SAF	EXPT	NP/A	254	45	75	NEIJS+ RESONANCE PARAM.	
014	SI	030	(D,G	) CS	4. + 6	1.5+ 7	USA	EXPT	NP/A	86	417	66	PEMENT+ SIGMA TABLE	+
014	SI	030	(D,G	) CS	6. + 6	1.8+ 7	UK	EXPT	NP/A	119	673	68	DALY+ SIGMA CURVE	+
014	SI	030	(A,G	) CS	1.1+ 7	2.1+ 7		EXPT	PR/C	20	5	79	CALARCO+ PARTIAL SIGMA,E1,E2 ST	
014	SI	030	(A,G	) YD	2.1+ 6	3.3+ 6	NED	EXPT	NP/A	52	104	64	VAN DER LEUN+ ANGL.CORRELATION	
014	SI	030	(A,G	) YD	3.3+ 7	4.3+ 6	SAF	EXPT	NP/A	72	113	65	MCMURRAY+ RESONANCE WIDTH	
014	SI	030	(A,G	) YD	3.3+ 6	5.0+ 6	SAF	EXPT	NP/A	92	175	67	WIECHERS+ YIELD CURVE	
014	SI	030	(A,G	) YD	4. + 6	1.6+ 7		EXPT	PR/C	20	415	79	KUHLMANN+ INTEG.E1-STRENGTH TBL	
014	SI	031	(N,G	) CS	PILE		DEN	EXPT	PR/C	43	2874	91	THOMSEN+ SIGMA=73+-6 MB	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
015	P	029	(P,G)	XX	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	59	DULAR+ ABSORPT.SIGMA CURVE	+
015	P	031	(G,ABSORPTION)	CS	5. - 1	3. + 0	GER	EXPT	ZP/A	282	143	77	FELDMANN+ PHOTODETACH.SIGMA CURVE	+
015	P	031	(G,ABSORPTION)	YD	7.9+ 6		NED	EXPT	PR	110	1442	58	SMITH+ RESONANT ABSORPTION	
015	P	031	(G,G)	YD	5. + 5	3.0+ 6	USA	EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	
015	P	031	(G,G)	YD	4.4+ 5	1.3+ 6	GER	EXPT	NP/A	81	370	66	SKORKA+ RESONANT FLUORESC.	
015	P	031	(G,G)	YD	1.0+ 6	1.3+ 6	SAF	EXPT	NP/A	76	248	66	HOUGH+ RESONANT.SCATT,LEVEL WIDTH	
015	P	031	(G,G)	YD	7.9+ 6	8.2+ 6	SAF	EXPT	NP/A	109	393	68	HOUGH+ LEVEL WIDTH	
015	P	031	(G,G)	YD	3.1+ 6		BLG	EXPT	NP/A	107	347	68	CRETEN+ LEVEL WIDTH	
015	P	031	(G,INELASTIC)	YD	1.4+ 7		JAE	EXPT	NP/A	188	461	72	SHIKAZONO+ LEVEL SCHEME	
015	P	031	(G,N)	CS	2.6+ 7	7.0+ 7	USA	EVAL	PR	97	444	55	MORINAGA SIGMA TBL	+
015	P	031	(G,N)	CS	1.2+ 7	3.0+ 7	USA	EXPT	PR	132	2251	63	BOLEN+ SIGMA CURVE/INTEG.SIGMA	+
015	P	031	(G,N)	CS	1.4+ 7	2.4+ 7	CAN	EXPT	CJP	41	180	63	MCDONALD+ SIGMA CURVE	+
015	P	031	(G,N)	CS	1.0+ 8	8.0+ 8	SWD	EXPT	NP/A	171	551	71	FRIBERG+ SIGMA CURVE	+
015	P	031	(G,N)	CS	1.5+ 8	9.5+ 8	SWD	THEO	NP/A	171	529	71	ANDERSSON+ SIGMA CURVE	+
015	P	031	(G,N)	CS	NDG		CCP	EVAL	SNP	47	575	88	ARZIBEKOV+ PARTIAL INTEGR.SIGMA	+
015	P	031	(G,N)	YD	1.2+ 7	1.3+ 7	FR	EXPT	PR	123	855	61	SADEH AVTIVATION CURVE	
015	P	031	(G,P)	AD	1.7+ 7	2.5+ 7	GHT	EXPT	PR/C	31	1071	85	KERKHOVE+ ANGULAR SIGMA CURVE	+
015	P	031	(G,P)	CS	NDG		CCP	EVAL	SNP	47	575	88	ARZIBEKOV+ PARTIAL INTEGR.SIGMA	+
015	P	031	(G,SCATTERING)	XX	3.5+ 6		USA	EXPT	PR	183	918	69	RASMUSSEN+ GAMMA WIDTH	
015	P	031	(G,X)		3.2+ 6			EXPT	SNP	45	562	87	ARZIBEKOV+	+
015	P	031	(G,X)	YD	2. + 9	4.5+ 9	CCP	EXPT	SNP	25	601	77	ASATURYAN+ YIELD CURVES	
015	P	031	(G,XN)	CS	1.2+ 7	2.5+ 7	BLG	EXPT	ZP	271	391	74	DEVOS+ SIGMA CURVE	+
015	P	031	(G,2P)	CS	2.3+ 7	6.2+ 7	USA	EXPT	NP/A	150	625	70	ANDERSON+ SIGMA CURVE/VALUE	+
015	P	031	(G,2P)	CS	7.5+ 7	6.4+ 8	LND	EXPT	ZP/A	285	323	78	BUILOW+ SIGMA	+
015	P	031	(G,2PN)	CS	7.5+ 7	6.4+ 8	LND	EXPT	ZP/A	285	323	78	BUILOW+ SIGMA	+
015	P	031	(G,3P)	CS	7.5+ 7	6.4+ 8	LND	EXPT	ZP/A	285	323	78	BUILOW+ SIGMA	+
015	P	031	(G,3PN)	CS	7.5+ 7	6.4+ 8	LND	EXPT	ZP/A	285	323	78	BUILOW+ SIGMA	+
015	P	031	(E,ELASTIC)	CS	9.0+ 7	2.8+ 8	MNZ	EXPT	NP/A	430	189	84	MIESSEN+ TRANSV.SIGMA TBL	+
015	P	031	(E,SCATTERING)	AD	1.3+ 8	1.8+ 8	FR	EXPT	NP/A	62	615	65	KOSSANYI-DEMAY+ DIFF.SIGMA TABLE	+
015	P	031	(E,SCATTERING)	YD	NDG		USA	THEO	PL/B	133	5	83	BROWN+ MAG.MOMENT CURV	
015	P	031	(N,G)	CS	1.4+ 7		HUN	EXPT	NP/A	95	229	67	CSIKAI+ SIGMA TABLE	+
015	P	031	(N,G)	CS	1.4+ 7		YUG	EXPT	NP/A	138	412	69	CVELBAR+ SIGMA PLOT	+
015	P	031	(N,G)	CS	1.4+ 7		YUG	EXPT	NP/A	158	251	70	CVELBAR+ ACTIVATION SIGMA	+
015	P	031	(N,G)	CS	PILE		JAE	EXPT	NIM	109	493	73	ISHIKAWA SIGMA VALUE	+
015	P	031	(N,G)	CS	2.6+ 3	5.0+ 5	ORL	EXPT	PR/C	32	379	85	MACKLIN+ PARTIAL RAD. SIGMA	+
015	P	031	(N,G)	CS	3.0+ 4		ORL	EXPT	PR/C	32	379	85	MACKLIN+ AVERAGE SIGMA	+
015	P	031	(N,G)	XX	2.5- 2		KFK	EXPT	ZP	213	352	68	EICHER CIRCUL.POLARIZATION	
015	P	031	(N,G)	XX	2.5- 2		NED	EXPT	NP/A	352	125	81	BOER+ P-32 LEVEL	
015	P	031	(N,G)	YD	2.5- 2		CRC	EXPT	PR	115	401	59	MANNING+ G-G ANGL.CORRELAT.	
015	P	031	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	72	1	65	VAN MIDDELKOOP+ GAMMA TRANSITION	
015	P	031	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	97	209	67	MIDDELKOOP GAMMA INTENSITY	
015	P	031	(N,G)	YD	PILE		CAN	EXPT	CJP	45	3039	67	LYCKLAMA+ GAMMA INTENSITY	
015	P	031	(N,G)	YD	3.5+ 5	2.0+ 6	SAF	EXPT	NP/A	185	644	72	COETZEE+ DECAY GAMMA	
015	P	031	(N,G)	YD	2.5- 2		GOE	EXPT	NP/A	501	437	89	MICHAELSEN+ GAMMA TRANSITION	
015	P	031	(P,G)	AD	1.3+ 6	1.6+ 6	USA	EXPT	PR	181	1555	69	PILUSO+ LIFETIME & ANG.DIST.	
015	P	031	(P,G)	AD	9.5+ 6	1.2+ 7	UK	EXPT	NP/A	138	253	69	MASON+ DIFF.SIGMA CURVE	+
015	P	031	(P,G)	CS	NDG		UK	THEO	NP/A	63	383	65	TANNER SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
015 P 031	(P,G) CS	4.7+ 6		UK	EXPT	NP/A	138	253	69	MASON+ ABSOLUT.SIGMA VALUE	+
015 P 031	(P,G) DD	1.2+ 6		HLS	EXPT	PR/C	23	1900	81	HENTELAE S-32 STATES	
015 P 031	(P,G) XX	8.1+ 5	1.6+ 6	ORE	EXPT	PR/C	9	1192	74	CHENG+ MEAN LIFETIME OF STATES	
015 P 031	(P,G) YD	6.8+ 5	2.4+ 6	CRC	EXPT	PR	99	1339	55	PAUL+ P-CAPT.GAMMA	
015 P 031	(P,G) YD	5. + 6	7.7+ 6	CBR	EXPT	NP	10	45	59	GEMMELL+ GAMMA YIELD	
015 P 031	(P,G) YD	3.6+ 5	5.4+ 5	HUN	EXPT	NP	39	631	62	BERKES+ RESONANCE WIDTH	
015 P 031	(P,G) YD	3.6+ 5	4.4+ 5	USA	EXPT	NP	31	65	62	NELSON+ GAMMA INTENSITY	
015 P 031	(P,G) YD	3.6+ 5	4.4+ 5	NED	EXPT	NP	40	438	63	TER+ GAMMA YIELD	
015 P 031	(P,G) YD	2. + 6	1.2+ 7	HAR	EXPT	NP/A	64	177	65	DEARNALEY+ GAMMA INTENSITY	
015 P 031	(P,G) YD	3. + 5	2.1+ 6	NED	EXPT	NP/A	88	12	66	ENGELBERTINK+ RESONANCE STRENGTH	
015 P 031	(P,G) YD	8.1+ 5	1.6+ 6	FR	EXPT	NP/A	135	281	69	THIBAUD+ GAMMA INTENSITY	
015 P 031	(P,G) YD	1.2+ 6	1.6+ 6	FR	EXPT	NP/A	212	493	73	VERNOTTE+ PROTON RESONANCE	
015 P 031	(P,G) YD	3.0+ 5	1.4+ 6	FIN	EXPT	ZP	269	173	74	VIITASALO+ BRANCHING RATIO	
015 P 031	(P,G) YD	1.3+ 6	1.6+ 6	FR	EXPT	PR/C	13	984	76	VERNOTTE+ S-32 LEVELS	
015 P 031	(P,G) YD	5. + 5	9. + 5		EXPT	PR/C	17	1550	78	PAINE+ RESONANCE STRENGTH	
015 P 031	(P,G) YD	2.8+ 5	6.2+ 5	USA	EXPT	NP/A	533	153	91	ILIADIS+ BRANCHING	
015 P 031	(D,G) YD	4.6+ 6		USA	EXPT	PR	100	774	55	BENT+ D-CAPT.GAMMA	

ELEMENT Z S A	QUANTITY	ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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	3.0+ 7	YUG	EXPT	NP	14	131	59	DULAR+ ABSORPT.SIGMA CURVE	+
016 S 000	(G,ABSORPTION) CS	3.2+ 4	1.5+ 5	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	3.0+ 7	USA	EXPT	PR	132	2251	63	BOLEN+ SIGMA CURVE/INTEG.SIGMA	+
016 S 000	(G,NP) CS	1.8+ 7	2.9+ 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	8.0+ 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	AVAKYAN+ PRODUCT YIELD SIGMA	+
016 S 000	(E,E)	5.4+ 8	7.3+ 8		EXPT	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	EXPT	PR	116	173	59	O'CONNELL+ RELAT.INTEG.SIGMA	+
016 S 031	(G,2N) CS	2.4+ 7	1.0+ 8	UI	EXPT	PR	116	173	59	O'CONNELL+ RELAT.INTEG.SIGMA	+
016 S 031	(E,INELASTIC) YD	5.0+ 7	2.5+ 8	UMA	EXPT	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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
016	S	032	(G,D)	CS	1.9+ 7	2.2+ 7	BZL	EXPT	NP	7	202	58	GOLDEMBERG+ SIGMA CURVE	+
016	S	032	(G,D)	CS		3.1+ 7	ITY	EXPT	NP	15	436	60	FERRERO+ SIGMA CURVE	+
016	S	032	(G,D)	CS		4.5+ 7	USA	THEO	NP	33	1	62	MADSEN+ SIGMA CURVE	+
016	S	032	(G,D)	CS	1.5+ 7	6.2+ 7	USA	EXPT	NP/A	156	74	70	ANDERSON+ AVERAG.SIGMA CURVE	+
016	S	032	(G,D)	CS	1.9+ 7	3.0+ 7	AUL	EXPT	NP/A	175	17	71	BRAMANIS SIGMA CURVE	+
016	S	032	(G,D)	XX	NDG		POL	THEO	NP	4	248	57	SAWICKI+ SIGMA RATIO,(GD)/(GP)	
016	S	032	(G,DISINTEGR.)	CS	1.5+ 7	3.8+ 7	CCP	THEO	NP/A	143	429	70	MAJLING+ CAL.SIGMA CURVE	+
016	S	032	(G,G)	CS	1.7+ 7	2.8+ 7	AUI	EXPT	PR/C	39	324	89	ALARCON+ PARTIAL SIGMA	+
016	S	032	(G,G)	YD	5. + 5	3.0+ 6	USA	EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	
016	S	032	(G,N)	CS		3.1+ 7	ITY	EXPT	NP	15	436	60	FERRERO+ SIGMA CURVE	+
016	S	032	(G,N)	CS	2.0+ 7	3.2+ 7	AUL	EVAL	PR	164	1397	67	WEBB+ SIGMA CURVE	+
016	S	032	(G,N)	CS		3.0+ 7	CCP	EXPT	SNP	7	698	68	GORYACHEV+ SIGMA CURVE & TBL	+
016	S	032	(G,N)	CS	1.6+ 7	2.4+ 7	YAL	EXPT	NP/A	147	19	70	WU+ 90DEG.SIGMA CURVE	+
016	S	032	(G,N)	CS	1.5+ 7	6.2+ 7	USA	EXPT	NP/A	156	74	70	ANDERSON+ AVERAG.SIGMA CURVE	+
016	S	032	(G,N)	CS	1.3+ 6	2.2+ 6	CCP	EXPT	SNP	12	121	71	ISHKHANOV+ INTEG.SIGMA	+
016	S	032	(G,N)	YD	1.5+ 7	3.3+ 7	HAR	EXPT	NP/A	52	437	64	FIRK ENERGY LEVEL	
016	S	032	(G,NP)	CS		3.1+ 7	ITY	EXPT	NP	15	436	60	FERRERO+ SIGMA CURVE	+
016	S	032	(G,NP)	CS	3.0+ 7	8.0+ 7	ITY	EXPT	NP	34	637	62	BONAZZOLA+ SIGMA CURVE	+
016	S	032	(G,NP)	CS	5.0+ 7	3.0+ 8	UI	EXPT	PR	139	B554	65	VAN HISE+ INTEGRAT.SIGMA VALUE	+
016	S	032	(G,NP)	CS	1.9+ 7	3.0+ 7	AUL	EXPT	NP/A	175	17	71	BRAMANIS SIGMA CURVE	+
016	S	032	(G,P)	CS	2.2+ 7	3.5+ 7	CCP	EXPT	SNP	4	544	67	ISHKHANOV+ SIGMA CURVE	+
016	S	032	(G,P)	CS	1.3+ 6	2.2+ 6	CCP	EXPT	SNP	12	121	71	ISHKHANOV+ INTEG.SIGMA	+
016	S	032	(G,P)	ED	1.7+ 7	3.0+ 7	MOS	EXPT	SNP	28	302	78	VARLAMOV+ ELECTRIC DIPOLE RES.	
016	S	032	(G,P EMISSION)	CS	3.2+ 7		CCP	EXTH	SNP	44	727	86	ARZIBEKOV+ INTEGRATED SIGMA	+
016	S	032	(G,PN)	CS	1.5+ 7	6.2+ 7	USA	EXPT	NP/A	156	74	70	ANDERSON+ AVERAG.SIGMA CURVE	+
016	S	032	(G,X)	CS		3.1+ 7	ITY	EXPT	NP	15	436	60	FERRERO+ SIGMA CURVE,X=TN	+
016	S	032	(G,X)	CS	1. + 9		ITY	EXPT	PR/C	8	206	73	NAPOLI+ SPALLATION PRODUCT SIGMA	+
016	S	032	(G,X)	YD	2. + 9	4.5+ 9	CCP	EXPT	SNP	25	601	77	ASATURYAN+ YIELD CURVES	
016	S	032	(G,2N)	CS	1.5+ 7	6.2+ 7	USA	EXPT	NP/A	156	74	70	ANDERSON+ AVERAG.SIGMA CURVE	+
016	S	032	(E,ELASTIC)	AD	2.5+ 8	5.0+ 8	STF	EXPT	PR/C	9	1861	74	LI+ DIFF.SIGMA TBL	+
016	S	032	(E,ELASTIC)	AD	NDG		SAC	EVAL	NP/A	218	509	74	SICK DIFF.SIGMA CURVE	+
016	S	032	(E,ELASTIC)	CS	3.4+ 7	7.4+ 7	NBS	EXPT	PR/C	29	713	84	BURT+ ANG.DIST.SIGMA TBL	+
016	S	032	(E,ELASTIC)	YD	1.2+ 8	3.2+ 8	MNZ	EXPT	PL/B	130	5	83	GYUFKO+ 3ENERG.,CHARGE DIST.	
016	S	032	(E,INELASTIC)	DD	NDG		CCP	THEO	NP/A	170	141	71	BELY+ DOUBLE DIFF.SIGMA CURVE	+
016	S	032	(E,SCATTERING)	AD	1.9+ 8		STF	EVAL	PR	104	1466	56	HELM DIFF.SIGMA TBL & CURVE	+
016	S	032	(E,SCATTERING)	AD	1.2+ 8	1.8+ 8	FR	EXPT	NP/A	59	398	64	LOMBARD+ DIFF.SIGMA TABLE	+
016	S	032	(E,SCATTERING)	AD	3.9+ 7	5.6+ 7	USA	EXPT	PR/C	4	2089	71	FAGG+ DIFF.SIGMA TBL & CURVE	+
016	S	032	(E,SCATTERING)	AD	4.0+ 7	1.5+ 8	CCP	THEO	SNP	14	619	72	BELYI+ DIFF.SIGMA CURVE	+
016	S	032	(E,SCATTERING)	DD	1.3+ 7	3.1+ 7	CCP	EXPT	SNP	10	400	70	GUL'KAROV+ SIGMA CURVE & TBL	+
016	S	032	(E,SCATTERING)	XX	NDG		CSN	THEO	NP	41	118	63	BISHOP DEFORMATION PARAM.	
016	S	032	(N,G)	CS	1.3+ 4	6.0+ 4	ORL	EXPT	PR	136	B695	64	MACKLIN+ SIGMA VALUE	+
016	S	032	(N,G)	CS	1.4+ 7		YUG	THEO	NP/A	130	413	69	CVELBAR+ SIGMA TABLE & CURVE	+
016	S	032	(N,G)	CS	1.4+ 7		YUG	EXPT	NP/A	130	401	69	CVELBAR+ SIGMA TABLE & CURVE	+
016	S	032	(N,G)	CS	1.4+ 7		YUG	EXPT	NP/A	158	251	70	CVELBAR+ ACTIVATION SIGMA	+
016	S	032	(N,G)	CS	2.5+ 3	1.1+ 6		EXPT	PR/C	21	545	80	HALPERIN+ TTOTAL, CAPT SIGMA	
016	S	032	(N,G)	ED	2.5- 2		ORL	EXPT	PR/C	32	18	85	RAMAN+ CAPT.GAMMA	
016	S	032	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	72	1	65	VAN MIDDELKOOP+ GAMMA TRANSITION	
016	S	032	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	80	321	66	VAN MIDDELKOOP+ GAMMA INTENSITY	
016	S	032	(N,G)	YD	3.0+ 4	1.1+ 5	ORL	EXPT	PR	158	1049	67	BERGQVIST+ RES.CAPT.GAMMA YIELD	
016	S	032	(N,G)	YD	2.5- 2		HUN	EXPT	NP/A	91	44	67	KARDON+ G-G ANGL.CORRELATION	
016	S	032	(N,G)	YD	2.5- 2		CAN	EXPT	NP/A	96	658	67	KENNETT+ GAMMA INTENSITY	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
016	S	032	(N,G	) YD	2.5- 2		DEN	EXPT	NP/A	127	385	69	KOPECKY+ LEVEL SPIN	
016	S	032	(N,G	) YD	2.0+ 5		TIT	EXPT	NP/A	536	109	92	KITAZAWA+ RES.WIDTH	
016	S	032	(P,G	) YD	3. + 5	2.1+ 6	NED	EXPT	NP/A	88	12	66	ENGELBERTINK+ RESONANCE STRENGTH	
016	S	032	(P,G	) YD	3.4+ 6	5.4+ 6	IND	EXPT	PR/C	5	1270	72	ESWARAN+ CL-33 STATES	
016	S	032	(P,G	) YD	4. + 5	2.0+ 6	USA	EXPT	NP/A	539	97	92	ILIADIS+ BRANCHING RATIO	
016	S	032	(A,G	) YD	2.2+ 6	3.2+ 6	NED	EXPT	NP/A	52	515	64	ERNE+ RESONANCE	
016	S	032	(A,G	) YD	2.9+ 6	3.2+ 6	GER	EXPT	NP/A	127	13	69	GRAWE+ GAMMA YIELD	
016	S	032	(A,G	) YD	3.2+ 6	4.3+ 6	USA	EXPT	NP/A	171	298	71	CLARKE+ RESONANCE	
016	S	032	(A,G	) YD	4.1+ 6	5.0+ 6	TRM	EXPT	PR/C	28	1012	83	CHAKRABARTY+ RES.PARAM.TBL	+
016	S	033	(N,G	) CS	1.0+ 4	7.0+ 5	LAS	EXPT	PR/C	12	1126	75	AUCHAMPAUGH+ AVERAG. SIGMA CURVE	+
016	S	033	(N,G	) ED	2.5- 2		ORL	EXPT	PR/C	32	18	85	RAMAN+ CAPT.GAMMA	
016	S	033	(P,G	) AD	3. + 5	1.3+ 6	NED	EXPT	NP/A	55	559	64	GLAUDEMANS+ GAMMA BRANCHING	
016	S	033	(P,G	) AD	8.2+ 5	1.4+ 6	HLS	EXPT	NP/A	412	101	84	KEINONEN+ E2 STRENGTH	
016	S	033	(P,G	) YD	1.0+ 6	1.3+ 6	USA	EXPT	PR	188	1685	69	GRABER+ CL-34 LEVEL	
016	S	033	(P,G	) YD	1.1+ 6	2.0+ 6	SF	EXPT	NP/A	441	1	85	LAPPALAINEN+ CL-34 LEVEL	
016	S	034	(G,NP	) CS	1.3+ 7	2.5+ 7	AUL	EXPT	NP/A	460	455	86	ASSAFIRI+ SIGMA CURVE	+
016	S	034	(G,P	) CS	1.3+ 7	2.5+ 7	AUL	EXPT	NP/A	460	455	86	ASSAFIRI+ SIGMA CURVE	+
016	S	034	(E,ELASTIC	) YD	1.2+ 8	3.2+ 8	MNZ	EXPT	PL/B	130	5	83	GYUFKO+ 3ENERG.,CHARGE DIST.	
016	S	034	(E,INELASTIC	) XX	1.2+ 8	3.2+ 8	GER	EXPT	NP/A	438	711	85	WOERSDOERFER+ S-34 STATE PARAM.	
016	S	034	(N,G	) CS	PILE		JAE	EXPT	NIM	109	493	73	ISHIKAWA SIGMA VALUE	+
016	S	034	(N,G	) ED	2.5- 2		ORL	EXPT	PR/C	32	18	85	RAMAN+ CAPT.GAMMA	
016	S	034	(N,G	) YD	2.5- 2		CCP	EXPT	SNP	15	605	72	DZHAFAR+ N-CAPT GAMMA	
016	S	034	(P,G	) CS	5. + 5	2.0+ 7		EXPT	NP/A	331	389	79	PAINE+ ABS.RES.STRENGTH TBL	
016	S	034	(P,G	) ED	2.1+ 6		CCP	EXPT	SNP	6	170	68	KOPANETS+ GAMMA SPECTRA	
016	S	034	(P,G	) XX	7. + 5	2.4+ 6	CCP	EVAL	SNP	19	603	74	IL'ENKO+ GAMMA DECAY	
016	S	034	(P,G	) YD	3. + 5	2.1+ 6	NED	EXPT	NP/A	88	12	66	ENGELBERTINK+ RESONANCE STRENGTH	
016	S	034	(P,G	) YD	1.9+ 6	2.5+ 6	EGY	EXPT	ZP	205	8	67	DARWISH+ GAMMA INTENSITY	
016	S	034	(P,G	) YD	1.2+ 6	1.5+ 6	CAN	EXPT	NP/A	109	577	68	AZUMA+ LIFETIME OF LEVEL	
016	S	034	(P,G	) YD	7.0+ 5	2.1+ 6	FR	EXPT	NP/A	195	485	72	HUBERT+ PROTON RESONANCE	
016	S	034	(P,G	) YD	1. + 6	2. + 6	FIN	EXPT	ZP	260	185	73	FANT+ GAMMA TRANSITION	
016	S	034	(P,G	) YD	1.4+ 6	2.8+ 6	NED	EXPT	NP/A	359	149	81	BIESIOT+ CL-35 LEVEL	
016	S	034	(A,G	) AD	3.6+ 6	4.8+ 6	FR	EXPT	NP/A	191	201	72	CHEVALLIER+ AR-38 LEVEL	
016	S	034	(A,G	) CS	2.0+ 6	3.5+ 6		EXPT	CJP	57	781	79	SINHA+ 18 RES. LEVELS	
016	S	034	(A,G	) YD	2.2+ 6	3.2+ 6	NED	EXPT	NP/A	52	515	64	ERNE+ RESONANCE	
016	S	034	(A,G	) YD	3. + 6	3.6+ 6	USA	EXPT	NP/A	60	544	64	PHILLIPS ALPH RESONANCE	
016	S	034	(A,G	) YD	3.2+ 6	4.3+ 6	USA	EXPT	NP/A	171	298	71	CLARKE+ RESONANCE	
016	S	036	(E,ELASTIC	) YD	1.2+ 8	3.2+ 8	MNZ	EXPT	PL/B	130	5	83	GYUFKO+ 3ENERG.,CHARGE DIST.	
016	S	036	(N,G	) CS	PILE		ORL	EXPT	PR/C	30	26	84	RAMAN+ S-37 LEVEL SCHEME	
016	S	036	(N,G	) ED	2.5- 2		ORL	EXPT	PR/C	32	18	85	RAMAN+ CAPT.GAMMA	
016	S	036	(P,G	) YD	8.0+ 8	1.9+ 9	USA	EXPT	PR	169	899	68	HYDER+ CL-37 STATES	
016	S	036	(P,G	) YD	5. + 5	2. + 6	UTR	EXPT	NP/A	423	197	84	NOOREN+ RES.PARAM. TBL,CL37 LVL	
016	S	036	(A,G	) YD	2.3+ 6	3.6+ 6	HUN	EXPT	NP/A	456	365	86	JOZSA+ GAMMA YIELD	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
016 S 036	(A,G)	YD	2.4+ 6	3.5+ 6	DEB	EXPT	NP/A	489	225	88	CSEH+ AR-40 LEVEL	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
017 CL 000	(G,N EMISSION)	CS	3.0+ 7	9.0+ 7		EXPT	NP/A	390	240	82	LEPRETRE+	
017 CL 000	(G,N EMISSION)	YD	2.5+ 7	1.4+ 8		EXPT	NP/A	390	221	82	LEPRETRE+	
017 CL 000	(N,G)	ED		1.0+ 4	USA	EXPT	NP/A	78	576	66	WASSON+ RESONANT N-CAPTURE	
017 CL 000	(N,G)	YD	2.5- 2		YAL	EXPT	NP	47	108	63	DRAPER+ TRANSIT.INTENSITY	
017 CL 000	(N,G)	YD	2.5- 2		YAL	EXPT	PR	136	B1640	64	WASSON+ NEUT.CAPT GAMMA	
017 CL 000	(N,G)	YD	2.5- 2		DDR	EXPT	NP/A	71	221	65	RUDOLPH+ GAMMA INTENSITY	
017 CL 035	(G,G)	YD	1.0+ 6	1.3+ 6	SAF	EXPT	NP/A	76	248	66	HOUGH+ RESONANT.SCATT,LEVEL WIDTH	
017 CL 035	(G,INELASTIC)	YD	1.4+ 7		JAE	EXPT	NP/A	188	461	72	SHIKAZONO+ LEVEL SCHEME	
017 CL 035	(G,N)	CS	1.6+ 7	3.9+ 7	BZL	EXPT	PR/C	11	1083	75	WOLYNEC+ SIGMA RATIO	
017 CL 035	(E,INELASTIC)	ED	1.2+ 8	1.9+ 8		EXPT	NP/A	344	475	80	BRISCOE+ SCAT.ANG=45 & 140 DEG	
017 CL 035	(E,N)	CS	1.6+ 7	3.9+ 7	BZL	EXPT	PR/C	11	1083	75	WOLYNEC+ SIGMA RATIO	
017 CL 035	(N,G)	CS	4. + 3	2.3+ 5	ORL	EXPT	PR/C	29	1996	84	MACKLIN 54RES. RES.PARAM. TBL	
017 CL 035	(N,G)	ED	PILE		MCM	EXPT	CJP	59	93	81	KENNETT+ GAMMA YIELD	
017 CL 035	(N,G)	XX	2.5- 2		KFK	EXPT	ZP	233	154	70	EICHLER+ CIRCULAR POLARIZATION	
017 CL 035	(N,G)	YD	2.5- 2		USA	EXPT	PR	113	844	59	SEGEL NEUT.CAPT.GAMMA	
017 CL 035	(N,G)	YD	PILE		HUN	EXPT	NP	39	605	62	LOVAS+ G-G ANGL.CORRELAT.	
017 CL 035	(N,G)	YD	2.5- 2		DDR	EXPT	NP/A	52	213	64	MEYER ANGL.DIST. OF ELECTRON-POSI	
017 CL 035	(N,G)	YD	2.5- 2		CAN	EXPT	NP/A	80	131	66	HUGHES+ GAMMA INTENSITY	
017 CL 035	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	77	267	66	MIDDELKOOP+ G-G ANGL.CORRELATION	
017 CL 035	(N,G)	YD	NDG		DDR	THEO	NP/A	85	431	66	GERSCH+ M1 TRANSITION PROBABILITY	
017 CL 035	(N,G)	YD	2.5+ 4	5.0+ 4	ORL	EXPT	PR	158	1049	67	BERGQVIST+ RES.CAPT.GAMMA YIELD	
017 CL 035	(N,G)	YD	2.5- 2		KFK	EXPT	NP/A	120	535	68	EICHLER+ ANGL.ASYMMETRY OF GAMMA	
017 CL 035	(N,G)	YD	2.5- 2		DEN	EXPT	NP/A	127	385	69	KOPECKY+ LEVEL SPIN	
017 CL 035	(N,G)	YD		5.0+ 2	SAC	EXPT	NP/A	135	241	69	ALVES+ GAMMA INTENSITY	
017 CL 035	(N,G)	YD	PILE		CAN	EXPT	CJP	48	1130	70	HUGHES+ GAMMA INTENSITY	
017 CL 035	(N,G)	YD	2.5- 2		CAN	EXPT	CJP	50	3090	72	ISHAQ+ GAMMA INTENSITY	
017 CL 035	(N,G)	YD	PILE		ANL	EXPT	NIM	105	453	72	LOPER+ GAMMA INTENSITY	
017 CL 035	(N,G)	YD	2.0+ 1	4.0+ 5	COL	EXPT	PR/C	10	2138	74	SINGH+ RESONANCE PARAM.	
017 CL 035	(N,G)	YD		2. + 6	NBS	EXPT	PR/C	32	374	85	KESSLER+ TRANSIT.GAMMA ENERGY	
017 CL 035	(P,G)	ED	2.4+ 6	2.4+ 6	STR	EXPT	PR/C	13	1786	76	HUCK+ AR-36 LEVELS	
017 CL 035	(P,G)	YD	4. + 5	3.1+ 6	NED	EXPT	NP/A	71	593	65	ERNE+ GAMMA TRANSITION	
017 CL 035	(P,G)	YD	7.3+ 5	2.6+ 6	NED	EXPT	NP/A	84	241	66	ERNE+ GAMMA ANGL.CORRELATION	
017 CL 035	(P,G)	YD	1.1+ 6	1.1+ 6	NED	EXPT	NP/A	88	1	66	ERNE+ spin parity of level	
017 CL 035	(P,G)	YD	3. + 5	2.1+ 6	NED	EXPT	NP/A	88	12	66	ENGELBERTINK+ RESONANCE STRENGTH	
017 CL 035	(P,G)	YD	8. + 5	2.6+ 6	NED	EXPT	NP/A	211	405	73	HOKKEN+ AR-36 LEVEL	
017 CL 035	(P,G)	YD	4. + 5	3.0+ 6	SAF	EXPT	NP/A	218	333	74	JOHNSON+ AR-36 LEVELS	
017 CL 035	(P,G)	YD	2.4+ 6		KQU	EXPT	PR/C	14	1320	76	MARTIN+ AR-36 LEVELS	
017 CL 035	(P,G)	YD	5.3+ 5		GER	EXPT	ZP/A	277	375	76	GROSSWENDT+ GAMMA YIELD	
017 CL 035	(P,G)	YD	5. + 5	9. + 5		EXPT	PR/C	17	1550	78	PAINE+ RESONANCE STRENGTH	

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

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
018 AR 000	(G,A	) DD		3.3+ 7	GER	EXPT	ZP	192	502	66	WENDLING+ DOUBL.DIFF.SIGMA CURVE	+
018 AR 000	(G,P	) ED		3.6+ 7	STF	EXPT	PR	127	1746	62	DODGE+ PHOTOPROTON SPECTRA	
018 AR 000	(E,ELASTIC	) CS	0. + 0	1.2+ 0	USA	EVAL	PR	116	926	59	KIVEL TOT.SCATT.SIGMA CURVE	+
018 AR 000	(E,ELASTIC	) YD	NDG		GER	THEO	ZP	229	299	69	WEISS SPIN POLARIZATION	
018 AR 000	(E,SCATTERING)	AD	3.7+ 4	1.0+ 5	GER	EXPT	ZP	196	1	66	FINK+ DIFF.SIGMA	
018 AR 000	(E,X	) AD	2.5+ 1	2.6+ 2	GER	EXPT	ZP	244	254	71	EHRHARDT+ IONIZATION DIFF.SIGMA	
018 AR 000	(E,X	) CS	4.3+ 1	6.0+ 1	CAN	EXPT	CJP	53	2438	75	MARMET+ ATOMIC SIGMA	
018 AR 000	(P,G	) YD	7.0+ 5	1.4+ 6	SWD	EXPT	NP	24	500	61	ARNELL RESONANCE	
018 AR 036	(G,P	) CS	2.4+ 7	3.3+ 7	GER	EXPT	ZP	225	303	69	HOFMANN+ SIGMA CURVE & TABLE	+
018 AR 036	(E,SCATTERING)	AD	3.9+ 7	5.6+ 7	USA	EXPT	PR/C	5	120	72	FAGG+ DIFF.SIGMA TBL & CURVE	+
018 AR 036	(P,G	) AD	1.5+ 6	3.5+ 6	USA	EXPT	PR	161	1156	67	GOOSMAN+ K-37 LEVEL	
018 AR 036	(P,G	) XX	3.2+ 5	9.3+ 5	USA	EXPT	PR/C	45	29897	92	ILIADIS+ STELLAR REACTION RATE	
018 AR 036	(A,G	) YD	3. + 6	5.7+ 6	USA	EXPT	NP/A	103	503	67	NAHM+ RESONANCE PARAMETER	
018 AR 038	(G,N	) CS	1.8+ 7	3.1+ 7	GER	EXPT	ZP	187	210	65	EHHALT+ SIGMA VALUE/CURVE	+
018 AR 038	(P,G	) YD	1.3+ 6	2.4+ 6	NED	EXPT	NP/A	151	465	70	MARIPUU+ GAMMA TRANSITION	
018 AR 038	(A,G	) YD	3. + 6	6. + 6	USA	EXPT	NP/A	103	503	67	NAHM+ RESONANCE PARAMETER	
018 AR 040	(G,A	) CS	9.2+ 6	1.8+ 7	CAN	EXPT	NP/A	66	465	65	REIMANN+ SIGMA VALUE	+
018 AR 040	(G,D	) YD	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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
018 AR 040	(G,G	) YD		1.7+ 7	JLU	EXPT	PR/C	34	835	86	WICKERT+ RES. FLUORESC.	
018 AR 040	(G,N	) CS	1.3+ 7	2.3+ 7	CAN	EXPT	CJP	51	1176	73	JURY+ INTEGL.SIGMA VALUE	+
018 AR 040	(G,N	) YD	1.0+ 7	2.8+ 7	AML	EXPT	NP/A	398	415	83	SUTTON+ SIGMA CURV,INTEG.SIGM TBL+	
018 AR 040	(G,NP	) CS		3.3+ 7	GER	EXPT	NP	18	615	60	DOSCH+ INTEGRAT.SIGMA	+
018 AR 040	(G,N+	) CS	1.8+ 7	3.1+ 7	GER	EXPT	ZP	187	210	65	EHHALT+ SIGMA VALUE/CURVE	+
018 AR 040	(G,NP	) YD	1.0+ 7	2.8+ 7	AML	EXPT	NP/A	398	415	83	SUTTON+ SIGMA CURV,INTEG.SIGM TBL+	
018 AR 040	(G,P	) AD	2.3+ 7		UI	EXPT	PR	100	791	55	SPICER DIFF.SIGMA CURVE	+
018 AR 040	(G,P	) CS		3.3+ 7	GER	EXPT	NP	18	615	60	DOSCH+ INTEGRAT.SIGMA	+
018 AR 040	(G,P	) CS	1.8+ 7		CAN	EXPT	NP/A	66	465	65	REIMANN+ SIGMA VALUE	+
018 AR 040	(G,P	) CS	2.4+ 7	3.3+ 7	GER	EXPT	ZP	225	303	69	HOFMANN+ SIGMA CURVE & TABLE	+
018 AR 040	(G,P	) ED		1.5+ 7	GER	EXPT	ZP	150	436	58	GUDDEN+ PROTON SPECT.PLOT	
018 AR 040	(G,P	) YD	1.0+ 7	2.8+ 7	AML	EXPT	NP/A	398	415	83	SUTTON+ SIGMA CURV,INTEG.SIGM TBL+	
018 AR 040	(G,2N	) YD	1.0+ 7	2.8+ 7	AML	EXPT	NP/A	398	415	83	SUTTON+ SIGMA CURV,INTEG.SIGM TBL+	
018 AR 040	(G,2P	) YD	1.0+ 7	2.8+ 7	AML	EXPT	NP/A	398	415	83	SUTTON+ SIGMA CURV,INTEG.SIGM TBL+	
018 AR 040	(E,ELASTIC	) AD	2.5+ 8		GER	EXPT	NP/A	219	450	74	WENDLING+ DIFF.SIGMA TBL	+
018 AR 040	(E,ELASTIC	) XX	4.0+ 7	6.0+ 7	GER	EXPT	ZP	243	132	71	SCHUETZ+ MOMENTUM TRANSFER	
018 AR 040	(E,SCATTERING	) AD	1.9+ 8		STF	EVAL	PR	104	1466	56	HELM DIFF.SIGMA TBL & CURVE	+
018 AR 040	(N,G	) CS	PILE		UK	EXPT	NP/A	65	225	65	FRENCH+ ACTIVATION SIGMA	+
018 AR 040	(N,G	) CS	2.5- 2		USA	EXPT	NP/A	128	333	69	RANAKUMAR+ ACTIVATION SIGMA VALUE	+
018 AR 040	(N,G	) YD	2.5- 2		CAN	EXPT	NP/A	100	33	67	LYCKLAMA+ GAMMA INTENSITY	
018 AR 040	(N,G	) YD	2.5- 2		NED	EXPT	NP/A	180	569	72	KAMP+ NEUT.-CAPT. GAMMA	
018 AR 040	(P,G	) YD	5.6+ 6		JPN	EXPT	NP	39	335	62	WAKATSUKI+ P-CAPT.GAMMA	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
019 K 000	(G,P	) CS	2.4+ 7	3.3+ 7	GER	EXPT	ZP	225	303	69	HOFMANN+ SIGMA CURVE & TABLE	+
019 K 000	(G,SCATTERING	) CS	3.0+ 5	1.3+ 6	IND	THEO	NSE	85	426	83	UMESH+ INCOHERENT SCTT.SIGMA TBL	+
019 K 000	(E,SCATTERING	) CS	6. - 1	9.0+ 0	USA	EXPT	PR	117	151	60	RUBIN+ TOT,DIFF,EXCHANG.SIGMA	+
019 K 000	(E,TOTAL	) CS	1. + 0	1.0+ 1	USA	EXPT	PR	128	1148	62	PEREP+ SCATT.TOTAL SIGMA	+
019 K 000	(N,G	) YD	2.5- 2		DDR	EXPT	NP/A	71	221	65	RUDOLPH+ GAMMA INTENSITY	
019 K 039	(G,D	) YD	2.0+ 7	2.5+ 7	YUG	EXPT	NP	16	90	60	HORVAT+ YIELD CURVE	
019 K 039	(G,G	)	NDG			EXPT	PL/B	185	11	87	MOREH+	
019 K 039	(G,INELASTIC	) YD	1.4+ 7		JAE	EXPT	NP/A	188	461	72	SHIKAZONO+ LEVEL SCHEME	
019 K 039	(G,N	) CS		7.0+ 7	ITY	EXPT	NP/A	72	158	65	COSTA+ SIGMA CURVE	+
019 K 039	(G,N	) CS	1.4+ 8		GER	EXPT	ZP	239	447	70	KAYSER+ INTEGRAL.SIG,A VALUE	+
019 K 039	(G,N	) CS	1.3+ 7	2.9+ 7	AUL	EXPT	NP/A	171	324	71	WEBB+ ISOMERIC SIGMA CURVE	+
019 K 039	(G,NP	) YD	2.0+ 7	2.5+ 7	YUG	EXPT	NP	16	90	60	HORVAT+ YIELD CURVE	
019 K 039	(G,P	) CS	1.8+ 7		HUN	EXPT	NP	8	650	58	KESZTHELYI+ SIGMA TBL	+
019 K 039	(G,PN	)		3.2+ 7	CCP	EXPT	BAS	51	124	87	ARZIBEKOV+	
019 K 039	(E,INELASTIC	) AD	4.0+ 7	6.6+ 7	GER	EXPT	NP/A	357	278	81	GRUNDEY+ DIFF. SIGMA	+
019 K 039	(E,INELASTIC	) CS	5.1+ 7	6.1+ 7	UMA	EXPT	PR/C	12	330	75	WEBB+ SIMA TABLE	+
019 K 039	(E,P	) YD	NDG		ITY	THEO	NP/A	476	617	88	BOFFI+	
019 K 039	(N,G	) CS	1.1+ 1	2.0+ 6	ORL	EXPT	NSE	88	129	84	MACKLIN SIGMA CURVE	+

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

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
020 CA 000	(G,ABSORPTION)	CS	1.2+ 7	3.0+ 7	YUG	EXPT	NP	14	131	59	DULAR+ ABSORPT.SIGMA CURVE	+
020 CA 000	(G,ABSORPTION)	CS	1.0+ 7	3.0+ 7	YUG	EXPT	NIM	75	190	69	BEZIC+ TOT.ABSORPT.SIGMA CURVE	+
020 CA 000	(G,DISINTEGR.)	CS	NDG		USA	THEO	PR	143	797	66	SRIVASTAVA+ INTEG.DISINT.SIGMA	+
020 CA 000	(G,ELASTIC)	AD	2.0+ 7	5.0+ 7	UI	EXPT	PRL	52	244	84	WRIGHT+ ANG.DIST.SIGMA CURV	
020 CA 000	(G,ELASTIC)	AD	1.9+ 7	5.2+ 7	AUI	EXPT	PR/C	32	1174	85	WRIGHT+ DIFF.SIGMA	+
020 CA 000	(G,N)	CS	1.5+ 7	3.0+ 7	VIR	EXPT	PR	132	749	63	MIN+ SIGMA CURVE	+
020 CA 000	(G,P)	AD		4.0+ 8	SWD	EXPT	ZP	265	1	73	DOUGAN+ DIFF.SIGMA TABLE	+
020 CA 000	(G,P)	CS		2.8+ 7	SWD	EXPT	PR	97	1186	55	JOHANSSON INTEGRAT.SIGMA VALUE	+
020 CA 000	(G,P)	ED	2.0+ 7	2.1+ 7	SWD	EXPT	NP	36	141	62	JOHANSSON+ PHOTOPROTON SPECTRA	
020 CA 000	(G,PION)	YD	1.7+ 8		USA	EXPT	PR	127	1772	62	SCHRACK+ MESON PRODUCTION	
020 CA 000	(G,X)	CS	1.0+ 7	1.6+ 8	GER	EXPT	NP/A	251	479	75	AHRENS+ SIGMA CURVE	+
020 CA 000	(E,ELASTIC)	CS	2.5+ 8		GER	THEO	PR	151	846	66	RAWITSCHER MONOPOLE EXCIT.CORRECT	
020 CA 000	(E,INELASTIC)	CS	8. + 9	2.5+ 9	STF	EXPT	PRL	52	727	84	ARNOLD+	
020 CA 000	(E,SCATTERING)	AD	1.8+ 8		USA	THEO	PR	136	B589	64	RAVENHALL+ DIFF.SIGMA CURVE	+
020 CA 000	(E,SCATTERING)	AD	2.5+ 8		STF	EXPT	PR	137	B865	65	CROISSIAUX+ DIFF.SIGMA CURVE/TBL	+
020 CA 000	(N,G)	CS	1.4+ 7		YUG	EXPT	NP/A	138	412	69	CVELBAR+ SIGMA PLOT	+
020 CA 000	(N,G)	CS	2.5- 2		LRL	EXPT	NP/A	169	95	71	CRANSTON+ SIGMA VALUE	+
020 CA 000	(N,G)	ED	5. + 5	1.1+ 7		EXPT	NP/A	339	205	80	LINDHOLM+ TOF,LARGE NAI,CAPT CS	
020 CA 040	(G,ABSORPTION)	CS	1.0+ 7	3.0+ 7	YUG	EXPT	NP/A	117	124	68	BEZIC+ SIGMA CURVE	+
020 CA 040	(G,ABSORPTION)	XX	1.0+ 7		USA	EXPT	PR	124	1541	61	ECKERT+ RESONANT ABSORPT.	
020 CA 040	(G,D)	CS		3.1+ 7	ITY	EXPT	NP	15	436	60	FERRERO+ SIGMA CURVE	+
020 CA 040	(G,D)	CS	1.9+ 7	3.0+ 7	AUL	EXPT	NP/A	175	17	71	BRAMANIS SIGMA CURVE	+
020 CA 040	(G,G)		9.6+ 6	9.9+ 6	FUD	EXPT	NP/A	462	482	87	GU+	+
020 CA 040	(G,INELASTIC)	ED		1.2+ 7		EXPT	PR/C	25	1824	82	MOREH+	
020 CA 040	(G,N)		2.0+ 7	4.0+ 7		EXPT	JP	65	677	87	STORM+	
020 CA 040	(G,N)	AD	1.8+ 7	3.0+ 7	UK	EXPT	NP/A	515	125	90	KELLIE+ ANGULAR COEFF.	
020 CA 040	(G,N)	CS		3.1+ 7	ITY	EXPT	NP	15	436	60	FERRERO+ SIGMA CURVE	+
020 CA 040	(G,N)	CS	2.9+ 7	3.4+ 7	GER	EXPT	ZP	158	111	60	LINDENBERGER+ SIGMA VALUE	+
020 CA 040	(G,N)	CS	1.5+ 7	3.0+ 7	AUL	EXPT	NP/A	54	549	64	BAGLIN+ SIGMA CURVE	+
020 CA 040	(G,N)	CS	1.6+ 7	3.0+ 7	CCP	EXPT	SNP	5	811	67	GORYACHEV+ SIGMA CURVE	+
020 CA 040	(G,N)	CS		3.0+ 7	CCP	EXPT	SNP	7	698	68	GORYACHEV+ SIGMA CURVE & TBL	+
020 CA 040	(G,N)	CS	1.6+ 7	3.0+ 7	ITY	THEO	NP/A	132	649	69	MARANGONI+ COUPL.-CHANNEL CAL.	+
020 CA 040	(G,N)	CS	1.6+ 7	2.5+ 7	SAC	THEO	NP/A	138	481	69	MAHAUX+ DIPOLE SIGMA	+
020 CA 040	(G,N)	CS	1.6+ 7	2.4+ 7	YAL	EXPT	NP/A	147	19	70	WU+ 90DEG.SIGMA CURVE	+
020 CA 040	(G,N)	CS	1.6+ 7	2.6+ 7	CCP	EXPT	SNP	13	655	71	ISHKHANOV+ SIGMA TBL & CURVE	+
020 CA 040	(G,N)	CS	NDG		AUL	THEO	NP/A	193	323	72	BRAMANIS CAL.SIGMA CURVE	+
020 CA 040	(G,N)	DD	3.1+ 7	1.0+ 8	TOH	EXPT	PR/C	44	753	91	EDEN+ DIFF.SIGMA CURVE	+
020 CA 040	(G,N)	XX	1.4+ 7	2.3+ 7	UI	EVAL	PR	135	B365	64	HAFELE+ DIFF.SIGMA RATIO	
020 CA 040	(G,N)	YD	NDG		USA	EVAL	PR	97	1185	55	MORINAGA YIELD RATIO	
020 CA 040	(G,N)	YD	1.5+ 7	3.3+ 7	HAR	EXPT	NP/A	52	437	64	FIRK ENERGY LEVEL	
020 CA 040	(G,N)	YD	3.2+ 7		KFK	EXPT	NP/A	123	641	69	ULLRICH+ REACTION YIELD	
020 CA 040	(G,NP)	CS		3.1+ 7	ITY	EXPT	NP	15	436	60	FERRERO+ SIGMA CURVE	+
020 CA 040	(G,NP)	CS	2.9+ 7	3.4+ 7	GER	EXPT	ZP	158	111	60	LINDENBERGER+ SIGMA VALUE	+
020 CA 040	(G,NP)	CS	5.0+ 7	3.0+ 8	UI	EXPT	PR	139	B554	65	VAN HISE+ INTEGRAT.SIGMA VALUE	+
020 CA 040	(G,NP)	CS	1.4+ 8		GER	EXPT	ZP	239	447	70	KAYSER+ INTEGRAL.SIG,A VALUE	+
020 CA 040	(G,NP)	CS	1.9+ 7	3.0+ 7	AUL	EXPT	NP/A	175	17	71	BRAMANIS SIGMA CURVE	+
020 CA 040	(G,NX)	CS	1.0+ 8	1.5+ 8	FR	EXPT	NP/A	98	409	67	FERRONI+ SIGMA CURVE	+
020 CA 040	(G,P)	AD	3.4+ 7		CCP	EXPT	SNP	19	368	74	GRISHAEV+ PROTON SPECTRA	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
020 CA 040	(G,P	) AD	5.0+ 7	2.0+ 8		THEO	NP/A	359	91	81	BOFFI+ DIFF. SIGMA CURVE	+
020 CA 040	(G,P	) AD	1.0+ 8	3.0+ 8	MIT	EXPT	PR/C	33	1511	86	LEITCH+ DIFF. SIGMA	+
020 CA 040	(G,P	) CS	7. + 6	3.0+ 7	CCP	EXPT	SNP	7	567	68	GORYACHEV+ SIGMA CURVE & TBL	+
020 CA 040	(G,P	) CS	1.0+ 7	3.0+ 7	ITY	THEO	NP/A	132	649	69	MARANGONI+ COUPL.-CHANNEL CAL.	+
020 CA 040	(G,P	) CS	1.0+ 7	2.5+ 7	SAC	THEO	NP/A	138	481	69	MAHAUX+ DIPOLE SIGMA	+
020 CA 040	(G,P	) CS	NDG		AUL	THEO	NP/A	193	323	72	BRAMANIS CAL.SIGMA CURVE	+
020 CA 040	(G,P	) CS	1.1+ 7	3.0+ 7	YUG	EXPT	PR/C	9	1901	74	BRAJNIK+ SIGMA CURVE	+
020 CA 040	(G,P	) DD	3.1+ 7	1.0+ 8	TOH	EXPT	PR/C	44	753	91	EDEN+ DIFF.SIGMA CURVE	+
020 CA 040	(G,P	) ED	6.1+ 7	7.7+ 7	SWD	EXPT	PR/C	42	R1179	90	HOOREBECK+ RELATIV.EXCITATION	
020 CA 040	(G,P	) XX	1.4+ 7	2.3+ 7	UI	EVAL	PR	135	B365	64	HAFELE+ DIFF.SIGMA RATIO	
020 CA 040	(G,P	) YD	NDG		USA	EVAL	PR	97	1185	55	MORINAGA YIELD RATIO	
020 CA 040	(G,P	) YD	1.6+ 7	1.9+ 7	CCP	EXPT	SNP	5	836	67	DRAGNEV+ PHOTOPROTON	
020 CA 040	(G,P	) YD	3.2+ 7		KFK	EXPT	NP/A	123	641	69	ULLRICH+ REACTION YIELD	
020 CA 040	(G,P	) YD	6.1+ 7	7.7+ 7	LND	EXPT	PR/C	42	1179	90	VAN HOOREBEKE+ 90DEG. YIELD	
020 CA 040	(G,PION	) ED	3.0+ 8	4.0+ 8	CCP	EXPT	SNP	22	226	75	TONAPETYAN+ 90DEG.SIGMA CURVE	+
020 CA 040	(G,X	) CS		7.0+ 7	USA	EXPT	PR	107	1058	57	SCHUPP+ X=3P3N,SIGMA CURVE	+
020 CA 040	(G,X	) CS	7.0+ 7		USA	EXPT	PR	113	1095	59	SCHUPP+ INTEGRATED SIGMA	+
020 CA 040	(G,X	) CS		3.1+ 7	ITY	EXPT	NP	15	436	60	FERRERO+ SIGMA CURVE, X=TN	+
020 CA 040	(G,X	) CS	NDG		CCP	THEO	NP	27	323	61	BALASHOV+ CAL.ABSORPT.SIGMA	+
020 CA 040	(G,X	) CS	1.1+ 7	3.0+ 7	YUG	EXPT	PR/C	9	1901	74	BRAJNIK+ SIGMA CURVE	+
020 CA 040	(G,X	) CS	4.5+ 8		GER	EXPT	NP/A	221	145	74	DAVID+ SIGMA CURVE & TBL	+
020 CA 040	(G,X	) CS	8.0+ 7	8.0+ 8	SWD	EXPT	ZP/A	276	359	76	LINDGREN SIGMA CURVE	+
020 CA 040	(G,X	) YD		4.0+ 8	CCP	EXPT	SNP	17	124	73	GONCHAROV+ YIELD CURVE	
020 CA 040	(G,X	) YD	2. + 9	4.5+ 9	CCP	EXPT	SNP	25	601	77	ASATURYAN+ YIELD CURVES	
020 CA 040	(G,XN	) CS	1.6+ 7	6.2+ 7	USA	EXPT	NP/A	83	584	66	ANDERSON+ SIGMA VALUE	+
020 CA 040	(G,XP	) YD	6.0+ 7	1.0+ 8	GLS	EXPT	PL/B	79	356	78	FINDLAY+	
020 CA 040	(G,2N	) CS	2.9+ 7	3.4+ 7	GER	EXPT	ZP	158	111	60	LINDENBERGER+ SIGMA VALUE	+
020 CA 040	(E,A	) CS	1.1+ 7	3.3+ 7	CCP	EXPT	IZV	47	182	83	VOLKOV+	
020 CA 040	(E,ELASTIC	) AD	2.5+ 8		CCP	THEO	SNP	4	41	67	PETKOV+ DIFF.SIGMA CURVE	+
020 CA 040	(E,ELASTIC	) AD	NDG		CCP	THEO	SNP	9	204	69	LUK'YANOV+ DIFF.SIGMA CURVE	+
020 CA 040	(E,ELASTIC	) AD	7.5+ 8		CCP	THEO	SNP	10	445	70	POL' DIFF.SIGMA CURVE	+
020 CA 040	(E,ELASTIC	) AD	5.0+ 8		GER	THEO	ZP/A	274	267	75	ROSENFELDER DIFF.SIGMA CURVE	+
020 CA 040	(E,ELASTIC	) AD	2.5+ 8	5.0+ 8	USA	EXPT	ZP/A	278	291	76	ZIMMERMAN+ DIFF.SIGMA CURVE	+
020 CA 040	(E,EP	) ED	NDG		CCP	THEO	SNP	22	514	75	GORCHAKOV+ PROTON SPECTRA	
020 CA 040	(E,INELASTIC	) AD	NDG		USA	THEO	PR	133	81190	64	GILLET+ DIFF.SIGMA CURVE	+
020 CA 040	(E,INELASTIC	) AD	2.0+ 8		SWT	THEO	NP/A	61	417	65	SCHUCAN CAL.DIFF.SIGMA CURVE	+
020 CA 040	(E,INELASTIC	) AD	NDG		CAN	THEO	NP/A	150	393	70	DONNELLY DIFF.SIGMA CURVE	+
020 CA 040	(E,INELASTIC	) AD	1.2+ 7	2.7+ 7	GER	EXPT	ZP	234	144	70	GOLDMANN DIFF.SIGMA CURVE	+
020 CA 040	(E,INELASTIC	) CS	NDG		USA	THEO	NP/A	53	508	64	WEIGERT+ PARTICLE-HOLE EXCITATION	
020 CA 040	(E,INELASTIC	) CS	5.0+ 7	2.5+ 8	USA	THEO	PR/C	15	1786	77	MERCER COUPLED-CHANNEL CALC.	+
020 CA 040	(E,INELASTIC	) DD	8.2+ 6	1.3+ 7		EXPT	PL/B	84	296	79	GROSS+ MAG.DIPOLE TRANSIT.	
020 CA 040	(E,INELASTIC	) DD	3.9+ 7			EXPT	PL/B	95	23	80	STEFFEN+	
020 CA 040	(E,INELASTIC	) DD	3.1+ 7	6.5+ 7		EXPT	PR/C	25	2805	82	BURT+	
020 CA 040	(E,INELASTIC	) DD	1.0+ 8	3.8+ 8	MIT	EXPT	PR/C	33	1897	86	DEADY+ SIGMA CURVE	+
020 CA 040	(E,INELASTIC	) ED	1.0+ 8	3.8+ 8	MIT	EXPT	PR/C	28	631	83	DEADY+ TRANS.LONGI.RES.FUNCT.TBL	+
020 CA 040	(E,INELASTIC	) ED	7.0+ 7	2.0+ 8	TOH	EXPT	PR/C	30	1159	84	OGURO+ AT 180DEG.,FORM FACT. CURV	
020 CA 040	(E,INELASTIC	) ED	1.2+ 8	7.0+ 8	SAC	EXPT	PRL	52	2130	84	MEZIANI+ 3ANG.	
020 CA 040	(E,INELASTIC	) XX	NDG		MIT	THEO	NP/A	67	209	65	JOLLY FORM FACTOR	
020 CA 040	(E,INELASTIC	) XX	NDG		YAL	THEO	PR	171	1142	68	SCHUCAN MODEL ANALYSIS	
020 CA 040	(E,INELASTIC	) XX	1.8+ 8	2.5+ 8	TOH	EXPT	PR/C	2	2181	70	ITOH+ FORM FACTOR	
020 CA 040	(E,INELASTIC	) XX	2.0+ 8	3.0+ 8	STF	EXPT	NP/A	164	353	71	HEISENBERG+ INELASTIC PARAMETER	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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+ QUASAIELASTIC 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	FROSCH+ 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	HORDWITZ+ 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	BERGQVIST+ 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	BERGQVIST+ 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	SWD	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	ABRAHAMS+ 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)		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	PAINE+ 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	92.	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(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
020	CA	040	(A,G)	ED	9.3+ 6	9.4+ 6	MRC	EXPT	PR/C	18	2731	78	DIXON+ TI-44 LEVLES	
020	CA	040	(A,G)	ED	1.2+ 7			EXPT	PL/B	115	291	82	PRINGLE+	
020	CA	040	(A,G)	YD	3.5+ 6	4.7+ 6	CAN	EXPT	PR/C	4	443	71	SIMPSON+ RELATIVE YIELD	
020	CA	040	(A,G)	YD	9.2+ 6	9.2+ 6	CAN	EXPT	CJP	58	1360	80	DIXON+ BRANCH RATIO,TRANS.STREN	
020	CA	041	(E,INELASTIC)	DD	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)	CS	1.1+ 7	2.8+ 7	MEL	EXPT	NP/A	357	429	81	ASSFIRI+ SIGMA CURVE	+
020	CA	042	(E,INELASTIC)	AD	1.2+ 8	2.5+ 8	SAS	EXPT	PR/C	24	1969	81	ITOH+ FORM FACTOR	
020	CA	042	(E,INELASTIC)	DD	3.9+ 7			EXPT	PL/B	95	23	80	STEFFEN+	
020	CA	042	(E,INELASTIC)	DD	6.3+ 7	7.5+ 7	SAS	EXPT	PR/C	28	2505	83	ITOH+ DIF.FORM FACTOR CURV	
020	CA	042	(E,INELASTIC)	DD	3.0+ 7	5.8+ 7	THD	EXPT	PL/B	135	29	84	RANGACHARYULU+ M2 TRANSIT.STRENG.	
020	CA	042	(E,INELASTIC)	XX	2.0+ 8	3.0+ 8	STF	EXPT	NP/A	164	353	71	HEISENBERG+ INELASTIC PARAMETER	
020	CA	042	(E,INELASTIC)	YD	3.1+ 7	6.7+ 7	THD	EXPT	NP/A	295	319	78	GRAEF+ CA-42 LEVEL PARAM.	
020	CA	042	(E,INELASTIC)	YO	6.3+ 7	2.5+ 8	SAS	EXPT	NP/A	492	426	89	ITOH+ FORM FACTOR	
020	CA	042	(E,SCATTERING)	AD	2.5+ 8		USA	EXPT	PR	174	1380	68	FROSCH+ DIFF.SIGMA CURVE	+
020	CA	042	(N,G)	CS	2.5- 2		LRL	EXPT	NP/A	169	95	71	CRANSTON+ SIGMA VALUE	+
020	CA	042	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	131	180	69	GRUPPELAAR+ GAMMA TRANSITION	
020	CA	042	(P,G)	CS	7. + 5	5.5+ 6	TOR	EXPT	NP/A	309	506	78	VLIEKS+ SIGMA	+
020	CA	042	(P,G)	CS	6.6+ 5	5.4+ 6		EXTH	JP/G	5	1261	79	CHENG+	
020	CA	042	(P,G)	CS	6.8+ 5	2.5+ 6		EXPT	NP/A	378	349	82	SEVIOR+	
020	CA	042	(P,G)	CS	6.3+ 5	3.0+ 6		EXPT	NP/A	380	318	82	MITCHELL+	
020	CA	042	(P,G)	YD	1.0+ 6	1.4+ 6	SWD	EXPT	NP/A	72	529	65	BRONMAN+ GAMMA TRANSITION	
020	CA	042	(A,G)	CS	6.6+ 5	5.4+ 6		EXTH	JP/G	5	1261	79	CHENG+	
020	CA	043	(N,G)	CS	2.5- 2		LRL	EXPT	NP/A	169	95	71	CRANSTON+ SIGMA VALUE	+
020	CA	043	(N,G)	YD	2.5- 2		LRL	EXPT	PR/C	5	513	72	WHITE+ GAMMA INTENSITY	
020	CA	044	(G,X)	CS	4.5+ 8		GER	EXPT	NP/A	221	145	74	DAVID+ SIGMA CURVE & TBL	+
020	CA	044	(E,INELASTIC)	AD	1.2+ 8	2.5+ 8	SAS	EXPT	PR/C	24	1969	81	ITOH+ FORM FACTOR	
020	CA	044	(E,INELASTIC)	CS	5.0+ 7	2.5+ 8	USA	THEO	PR/C	15	1786	77	MERCER COUPLED-CHANNEL CALC.	+
020	CA	044	(E,INELASTIC)	DD	3.9+ 7			EXPT	PL/B	95	23	80	STEFFEN+	
020	CA	044	(E,INELASTIC)	DD	6.3+ 7	7.5+ 7	SAS	EXPT	PR/C	28	2505	83	ITOH+ DIF.FORM FACTOR CURV	
020	CA	044	(E,INELASTIC)	DD	3.0+ 7	5.8+ 7	THD	EXPT	PL/B	135	29	84	RANGACHARYULU+ M2 TRANSIT.STRENG.	
020	CA	044	(E,INELASTIC)	XX	2.0+ 8	3.0+ 8	STF	EXPT	NP/A	164	353	71	HEISENBERG+ INELASTIC PARAMETER	
020	CA	044	(E,INELASTIC)	YD	3.1+ 7	6.7+ 7	THD	EXPT	NP/A	295	319	78	GRAEF+ CA-44 LEVEL PARAM.	
020	CA	044	(E,SCATTERING)	AD	2.5+ 8		USA	EXPT	PR	174	1380	68	FROSCH+ DIFF.SIGMA CURVE	+
020	CA	044	(N,G)	CS	2.5- 2		LRL	EXPT	NP/A	169	95	71	CRANSTON+ SIGMA VALUE	+
020	CA	044	(N,G)	CS	PILE		JAE	EXPT	NIM	109	493	73	ISHIKAWA SIGMA VALUE	+
020	CA	044	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	102	226	67	GRUPPELAAR+ GAMMA INTENSITY	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
020 CA 044	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	114	463	68	GRUPPELAAR+ TRANSITION GAMMA	
020 CA 044	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	133	545	69	GRUPPELAAR CA-45 LEVEL	
020 CA 044	(P,G)	AD	1.6+ 6	1.7+ 6		EXPT	NC/A	52	175	79	AWAL+ GAM-DECAY AT 2 RES.	
020 CA 044	(P,G)	CS	6.3+ 5	3.0+ 6		EXPT	NP/A	380	318	82	MITCHELL+	
020 CA 044	(P,G)	YD		3. + 6	SWD	EXPT	ZP	252	189	72	EKSTROEM+ GAMMA INTENSITY	
020 CA 044	(P,G)	YD	8.6+ 5		CAN	EXPT	PR/C	9	1436	74	SCHULTE+ SC-45 LEVELS	
020 CA 044	(P,G)	YD	6.0+ 5	9.3+ 5	CAN	EXPT	CJP	52	131	74	SCHULTE+ GAMMA BRANCHING	
020 CA 044	(P,N)	CS	7.8+ 5	5.1+ 6		EXPT	NP/A	380	318	82	MITCHELL+	
020 CA 046	(N,G)	CS	25 -2		ORL	EVAL	PR/C	44	518	91	RAMAN+ DIRECT.CAPT.SIGMA	+
020 CA 046	(N,G)	YD	2.5- 2		LRL	EXPT	NP/A	153	413	70	CRANSTON+ GAMMA TRANSITION	
020 CA 046	(P,G)	YD	1.8+ 6	1.9+ 6	ITY	EXPT	NP/A	239	221	75	VINGIANI+ RES. PARAM.	
020 CA 048	(G,A)	YD	3.9+ 7	5.5+ 7	USA	EXPT	NP/A	133	237	69	LARSON+ PRODUCT YIELD	
020 CA 048	(G,N)		1.2+ 7	2.6+ 7	AML	EXPT	NP/A	469	239	87	OKEEKE+	+
020 CA 048	(G,N)	YD	3.9+ 7	5.5+ 7	USA	EXPT	NP/A	133	237	69	LARSON+ PRODUCT YIELD	
020 CA 048	(G,NP)		1.2+ 7	2.6+ 7	AML	EXPT	NP/A	469	239	87	OKEEKE+	+
020 CA 048	(G,P)		1.2+ 7	2.6+ 7	AML	EXPT	NP/A	469	239	87	OKEEKE+	+
020 CA 048	(G,T)	YD	3.9+ 7	5.5+ 7	USA	EXPT	NP/A	133	237	69	LARSON+ PRODUCT YIELD	
020 CA 048	(E,ELASTIC)	AD	NDG		CCP	THEO	SNP	9	204	69	LUK'YANOV+ DIFF.SIGMA CURVE	+
020 CA 048	(E,ELASTIC)	AD	7.5+ 8		CCP	THEO	SNP	10	445	70	POL' DIFF.SIGMA CURVE	+
020 CA 048	(E,ELASTIC)	AD	2.5+ 8	5.0+ 8	USA	EXPT	ZP/A	278	291	76	ZIMMERMAN+ DIFF.SIGMA CURVE	+
020 CA 048	(E,INELASTIC)	AD	3.0+ 7	1.5+ 8	THD	EXPT	NP/A	404	413	83	STEFFEN+ SIGMA TBL	+
020 CA 048	(E,INELASTIC)	AD	1.5+ 8	2.9+ 8	VIR	EXPT	PR/C	31	1699	85	WISE+ CALCULATED SIGAMA	+
020 CA 048	(E,INELASTIC)	DD	3.9+ 7			EXPT	PL/B	95	23	80	STEFFEN+	
020 CA 048	(E,INELASTIC)	DD	1.0+ 8	3.8+ 8	MIT	EXPT	PR/C	33	1897	86	DEADY+ SIGMA CURVE	+
020 CA 048	(E,INELASTIC)	ED	3.0+ 7	5.8+ 7		EXPT	PL/B	116	113	82	EULENBERG+	
020 CA 048	(E,INELASTIC)	ED	1.2+ 8	7.0+ 8	SAC	EXPT	PRL	52	2130	84	MEZIANI+ 3ANG.	
020 CA 048	(E,INELASTIC)	YD	3.1+ 7	6.7+ 7	THD	EXPT	NP/A	295	319	78	GRAEF+ CA-48 LEVEL PARAM.	
020 CA 048	(E,SCATTERING)	AD	2.5+ 8	5.0+ 8	USA	EXPT	PR	174	1380	68	FROSCH+ DIFF.SIGMA CURVE	+
020 CA 048	(E,SCATTERING)	XX	NDG		CRC	THEO	NP/A	165	475	71	KHANNA CHARGE FORM FACTOR	
020 CA 048	(N,G)			2.0+ 6		EXPT	NP/A	465	274	87	OCARLTON+	
020 CA 048	(N,G)	CS	1.4+ 7		HUN	EXPT	NP/A	95	229	67	CSIKAI+ SIGMA TABLE	+
020 CA 048	(P,G)	AD	6.8+ 5	2.7+ 6		EXPT	NP/A	315	430	79	ZYSKIND+ ABSOL.SIGMA	
020 CA 048	(P,G)	YD	2.0+ 6		USA	EXPT	PR/C	7	1418	73	STRUVE+ LIFETIME OF SC-49 LEVEL	
020 CA 048	(A,G)	CS	6.0+ 6	1.4+ 7	YAL	EXPT	NP/A	232	269	74	PESCHEL+ 90DEG. EXCITATION CURVE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
021	SC	045	(G,G	) YD	5.3+ 5	2.6+ 6	USA	EXPT	PR/C	7	1490	73	ARNOLD+ RES.FLUORESCENCE WIDTH	
021	SC	045	(G,G	) YD	8. + 5	2.2+ 6	USA	EXPT	PR/C	12	312	75	METZGER RES. FLUORESCENCE	
021	SC	045	(G,N	)	2.2+ 6			EXPT	SJR	58	56	85	DAVYDOV+	+
021	SC	045	(G,N	) CS		5.0+ 7	GER	EXPT	NP/A	182	411	72	VOELPEL ISOMERIC SIGMA VALUE	+
021	SC	045	(G,N	) YD		4.8+ 7	RPI	EXPT	PR	143	818	66	TATARCZUK+ ISOMER RATIO	
021	SC	045	(G,N	) YD	5.0+ 7	3.0+ 8	UI	EXPT	PR	150	867	66	WALTERS+ ISOMER RATIO	
021	SC	045	(G,N	) YD	1.0+ 8	8.0+ 8	SWD	EXPT	NP/A	242	507	75	ERIKSSON+ ISOMERIC YIELD CURVE	
021	SC	045	(G,N	) YD	1.7+ 8	2.6+ 8	CCP	EXPT	SNP	34	792	81	NOGA+ ISOMERIC RATIO	
021	SC	045	(G,P	) CS	1.8+ 7		SWD	EXPT	ZP/A	272	77	75	WENE SIGMA PLOT	+
021	SC	045	(G,P	) DD	1.0+ 7	2.5+ 7		EXPT	PR/C	26	448	82	RYCKBOSCH+	
021	SC	045	(G,XN	) CS	1.0+ 7	2.5+ 7	AUL	EXPT	NP/A	205	139	73	SAMBELL+ SIGMA CURVE	+
021	SC	045	(E,N	) YD	1.7+ 8	2.6+ 8	CCP	EXPT	SNP	34	792	81	NOGA+ ISOMERIC RATIO	
021	SC	045	(N,G	) CS	1.4+ 7		HUN	EXPT	NP/A	95	229	67	CSIKAI+ SIGMA TABLE	+
021	SC	045	(N,G	) CS	PILE		GER	EXPT	ZP/A	272	273	75	MANNHART ACTIVATION SIGMA VALUE	+
021	SC	045	(N,G	) CS	1.4+ 7		YUG	COMP	ZP/A	332	163	89	CVELBAR+ ACTIV.&INTEG. SIGMA	+
021	SC	045	(N,G	) CS	1.4+ 7		CSR	THEO	ZP/A	332	163	89	CVELBAR+ INTERGAT.SIGMA	+
021	SC	045	(N,G	) ED		1.0+ 4	USA	EXPT	NP/A	78	576	66	WASSON+ RESONANT N-CAPTURE	
021	SC	045	(N,G	) YD	2.5- 2		YAL	EXPT	NP	47	108	63	DRAPER+ TRANSIT.INTENSITY	
021	SC	045	(N,G	) YD	2.5- 2		ANL	EXPT	PR	138	B795	65	BOLOTIN SC-46 LEVEL	
021	SC	045	(N,G	) YD	2.5- 2		GER	EXPT	NP/A	84	661	66	VAN ASSCHE+ LEVEL SCHEME	
021	SC	045	(N,G	) YD	2.5- 2		ANL	EXPT	PR	168	1317	68	BPLOTIN GAMMA INTENSITY	
021	SC	045	(P,G	) CS	7. + 5	4.2+ 6	AML	EXPT	NP/A	312	140	78	SOLOMON+ SIGMA	+
021	SC	045	(P,G	) ED	1.4+ 6	1.7+ 6	SWD	EXPT	ZP	215	39	68	ERLANDSSON+ GAMMA SPECT. AT RES.	
021	SC	045	(P,G	) YD	1.8+ 6	1.8+ 6	FRK	EXPT	NP/A	401	253	83	RAHMAN+ TI-45 15LVL LIFE TBL	
021	SC	045	(P,INELASTIC	) YD	1.8+ 6	1.8+ 6	FRK	EXPT	NP/A	401	253	83	RAHMAN+ SC-45 12LVL LIFE TBL	
021	SC	045	(P,N	) CS	7.8+ 5	5.1+ 6		EXPT	NP/A	380	318	82	MITCHELL+	
021	SC	045	(H,G	) CS	3. + 6	3.3+ 7	USA	EXPT	NP/A	102	161	67	CARLSON+ SIGMA VALUE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
022	TI	000	(G,A)	ED		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	ARENDS+ DOUBL.DIFF.SIGMA CURVE	+
022	TI	000	(G,PION -)	DD	2.2+ 8	4.5+ 8	GER	EXPT	NP/A	526	479	91	ARENDS+ 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,N)	CS		3.1+ 7	AUL	EXPT	NP	29	292	62	SHERWOOD+ INTEGRAT.SIGMA VALUE	+
022	TI	046	(G,NP)	CS		3.1+ 7	AUL	EXPT	NP	29	292	62	SHERWOOD+ INTEGRAT.SIGMA VALUE	+
022	TI	046	(G,NP)	YD		4.8+ 7	RPI	EXPT	PR	143	818	66	TATARCZUK+ ISOMER RATIO	
022	TI	046	(E,ELASTIC)	AD	2.9+ 7	5.8+ 7	GER	EXPT	ZP	202	190	67	THEISSEN DIFF.SIGMA TABLE/CURVE	+
022	TI	046	(E,ELASTIC)	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	RIOS+ 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	USA	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	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	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(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
022	TI	048	(E,ELASTIC)	AD	2.9+ 7	5.8+ 7	GER	EXPT	ZP	202	190	67	THEISSEN DIFF.SIGMA TABLE/CURVE	+
022	TI	048	(E,ELASTIC)	XX	6.0+ 7	1.2+ 8	USA	EXPT	NP/A	173	124	71	ROMBERG+ CHARGE DENSITY	
022	TI	048	(E,INELASTIC)	XX	2.0+ 8	3.0+ 8	STF	EXPT	NP/A	164	353	71	HEISENBERG+ INELASTIC PARAMETER	
022	TI	048	(E,INELASTIC)	XX	NDG		GER	THEO	NP/A	533	381	91	NOJAROV+ FORM FACTOR	
022	TI	048	(E,INELASTIC)	YD	NDG		ITK	THEO	PR/C	31	689	85	MUKHERJEE+ SCATT.FORM FACTOR	
022	TI	048	(E,SCATTERING)	AD	2.5+ 8		USA	EXPT	PR	174	1380	68	FROSCH+ DIFF.SIGMA CURVE	+
022	TI	048	(N,G)	ED	2.5- 2	2.5+ 4	CCP	EXPT	SNP	15	1	72	GAMALII+ N-CAPT.GAMMA SPECTRA	
022	TI	048	(N,G)	YD	2.5- 2		HUN	EXPT	NP	24	151	61	KARDON+ G-G ANGL.CORRELAT.	
022	TI	048	(N,G)	YD	2.5- 2		SAC	EXPT	NP/A	107	436	68	CARLOS+ GAMMA TRANSITION	
022	TI	048	(N,G)	YD	2.5- 2		CSR	EXPT	NP/A	120	225	68	KAJFOSZ+ TIME-REVERSAL NON-INVAR.	
022	TI	048	(N,G)	YD	2.5- 2		RCN	EXPT	NP/A	124	34	69	ABRAHAMS+ GAMMA TRANSITION	
022	TI	048	(N,G)	YD	2.5- 2		DEN	EXPT	NP/A	127	385	69	KOPECKY+ LEVEL SPIN	
022	TI	048	(N,G)	YD	PILE		BLG	EXPT	NP/A	139	113	69	FETTWEIS+ GAMMA INTENSITY	
022	TI	048	(P,G)	CS	7.2+ 5	4.4+ 6	AML	EXPT	NP/A	368	337	81	KENNETT+ SIGMA CURVE	+
022	TI	048	(P,G)	CS	1.5+ 6	3.5+ 6	CCP	EXPT	SNP	51	588	90	NEMASHKALO+ SIGMA CURVE	+
022	TI	048	(P,G)	YD	1. + 6	1.4+ 6	HUN	EXPT	NP/A	116	167	68	FODOR+ RESONANCE WIDTH	
022	TI	048	(P,G)	YD	1.3+ 6	2.3+ 6	GER	EXPT	NP/A	114	673	68	KLAPDOR VIRTUAL LEVEL	
022	TI	048	(P,G)	YD	1.0+ 6	1.4+ 6	USA	EXPT	PR	186	1138	69	LEGG+ RES.PARAM.	
022	TI	048	(P,G)	YD	1.0+ 6	1.4+ 6	GER	EXPT	NP/A	134	419	69	KLAPDOR RESONANT CAPT.GAMMA	
022	TI	048	(P,G)	YD	9.9+ 5	1.1+ 6	FIN	EXPT	ZP	251	93	72	KIURU DECAY SCHEME	
022	TI	048	(P,G)	YD	1.8+ 6	2.5+ 6	SAR	EXPT	PR/C	45	2147	92	DIN+ RESONANCE, SPIN	
022	TI	049	(G,G)	AD	1.3+ 6	4.7+ 6	BAR	EXPT	PR/C	13	631	76	RASMUSSEN TI-49 LEVELS	
022	TI	049	(G,G)	YD	5. + 5	3.0+ 6	USA	EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	
022	TI	049	(G,N)	YD	8.9+ 4		ISL	EXPT	NP/A	368	201	81	BERANT+	
022	TI	049	(G,P)	CS		3.1+ 7	AUL	EXPT	NP	29	292	62	SHERWOOD+ INTEGRAT.SIGMA VALUE	+
022	TI	049	(E,SCATTERING)	ED	NDG		CCP	EXPT	SNP	23	261	76	LIKHACHEV+ SCATT. ELECTRON SPECT.	
022	TI	049	(N,G)	YD	PILE		CRL	EXPT	CJP	37	203	59	KNOWLES GAMMA YIELD	
022	TI	049	(N,G)	YD	2.5- 2		ISL	EXPT	PR/C	3	663	71	TENENBAUM+ N-CAPT.GAMMA	
022	TI	049	(N,G)	YD	PILE		RCN	EXPT	NP/A	419	439	84	RUYL+ TRANSIT.GAMMA TBL	
022	TI	049	(P,G)	YD	7.4+ 5	3.3+ 6		EXPT	NP/A	344	351	80	KENNETT+ GAMMA YIELD AT 55 DEG	
022	TI	050	(G,ABSORPTION)	CS	NDG		AML	THEO	ZP/A	300	329	85	WEISE GDR ABSORPT.SIGMA CURVE	+
022	TI	050	(G,G)	AD	1.3+ 6	4.7+ 6	BAR	EXPT	PR/C	13	631	76	RASMUSSEN TI-50 LEVELS	
022	TI	050	(G,G)	YD	5. + 5	3.0+ 6	USA	EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	
022	TI	050	(G,N)	AD		2.6+ 7		EXPT	NP/A	325	116	79	PYWELL+	
022	TI	050	(G,P)	CS		3.1+ 7	AUL	EXPT	NP	29	292	62	SHERWOOD+ INTEGRAT.SIGMA VALUE	+
022	TI	050	(E,ELASTIC)	AD	2.9+ 7	5.8+ 7	GER	EXPT	ZP	202	190	67	THEISSEN DIFF.SIGMA TABLE/CURVE	+
022	TI	050	(E,ELASTIC)	XX	6.0+ 7	1.2+ 8	USA	EXPT	NP/A	173	124	71	ROMBERG+ CHARGE DENSITY	
022	TI	050	(E,INELASTIC)	DD	7.0+ 7	3.6+ 8	NED	EXPT	NP/A	476	413	88	SELIG+ TI-50 LEVEL PARAM.	
022	TI	050	(E,INELASTIC)	ED	3.0+ 7	5.8+ 7		EXPT	PL/B	116	113	82	EULENBERG+	
022	TI	050	(E,INELASTIC)	XX	2.0+ 8	3.0+ 8	STF	EXPT	NP/A	164	353	71	HEISENBERG+ INELASTIC PARAMETER	
022	TI	050	(E,INELASTIC)	YD	NDG		ITK	THEO	PR/C	29	2101	84	MUKHERJEE+ FORM FACT. CURV	
022	TI	050	(E,SCATTERING)	ED	3.0+ 7	5.7+ 7	CUA	EXPT	PR/C	31	2054	85	SOBER+ MAGNET.DIPOLE EXCIT.	
022	TI	050	(N,G)	CS	2.5+ 4		BLG	EXPT	NP	9	569	58	VERVIER SB-BE SOURCE,SIGMA TBL	+
022	TI	050	(N,G)	CS	1.4+ 7		HUN	EXPT	NP/A	95	229	67	CSIKAI+ SIGMA TABLE	+
022	TI	050	(N,G)	CS	1.5+ 7		FR	EXPT	NSE	55	17	74	RIGAUD+ SIGMA TABLE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
022 TI 050	(N,G) YD	2.5- 2		ISL	EXPT	PR/C	3	663	71	TENENBAUM+ N-CAPT.GAMMA	
022 TI 050	(P,G) ED	2.1+ 6	3.1+ 6		EXPT	NP/A	329	1	79	ERLANDSSON+ GAM.TRANSITION	
022 TI 050	(P,G) YD	1.4+ 6	1.4+ 6	DEN	EXPT	NP/A	143	497	70	GAARDE+ RESONANCE PARAMETER	
022 TI 050	(P,G) YD	7.3+ 5	4.4+ 6		EXTH	NP/A	346	523	80	KENNETT+ GAMMA YIELD	

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

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
023	V	051	(G,X)	YD	1.5+ 9		GER	EXPT	NP/A	160	237	71	KUMBARTZKI+ SPOLLATION PRODUCT	
023	V	051	(G,X)	YD	1.0+ 9	2.1+ 9	GER	EXPT	NP/A	160	237	71	KUMBARTZKI+ SPOLLATION PRODUCT	
023	V	051	(G,X)	YD	1.0+ 9	2.0+ 9	GER	EXPT	NP/A	176	23	71	KUMBARTZKI+ YIELD CURVE	
023	V	051	(G,2N)	CS	1.8+ 7	2.8+ 7	LRL	EXPT	PR	128	2345	62	FULTZ+ SIGMA CURVE	+
023	V	051	(E,ELASTIC)	AD	1.8+ 8	2.5+ 8	USA	THEO	PR/C	9	2033	74	PREWITT+ DIFF.SIGMA CURVE	+
023	V	051	(E,ELASTIC)	CS	8.1+ 7	2.3+ 8	JPN	EXPT	PR/C	23	1482	81	ARITA+ TOTAL SIGMA	+
023	V	051	(E,INELASTIC)	DD	3.8+ 7	5.7+ 7	THD	EXPT	NP/A	398	408	83	BENDER+	
023	V	051	(E,INELASTIC)	YD	3.0+ 8	6.0+ 8	STF	EXPT	PR	128	792	62	KENDALL+ YIELD CURVE	
023	V	051	(E,P)	AD	1.5+ 7	2.9+ 8	TOH	EXPT	NP/A	303	333	78	TSUBOTA+ PHOTOPROTON SIGMA	+
023	V	051	(E,P EMISSION)	YD	2.7+ 8	4.1+ 8	IKO	EXPT	NP/A	490	507	88	HERDER+ MOMENTUM DIST. CURVE	
023	V	051	(E,PION)	AD	2.0+ 8		TOH	EXPT	NP/A	486	512	88	SHODA+ 90DEG. SIGMA CURVE	+
023	V	051	(E,PION)	YD	1.3+ 8	5.8+ 8	SWD	EXPT	PR/C	15	988	77	BLOMQVIST+ ACTIVATION	+
023	V	051	(E,SCATTERING)	AD	1.8+ 8		STF	EXPT	PR	121	283	61	CRANNELL+ DIFF.SIGMA CURVE	+
023	V	051	(E,SCATTERING)	CS	3.0+ 8		USA	THEO	PR/C	11	829	75	MURPHY+ DIFF. SIGMA CURVE	+
023	V	051	(E,SCATTERING)	XX	1.8+ 8	2.5+ 8	UMA	EXPT	PR/C	7	1028	73	PETERSON+ FORM FACTOR	
023	V	051	(E,X)	CS	1.3+ 8	5.8+ 8	SWD	EXPT	ZP/A	278	83	76	BLOMQVIST+ SIGMA CURVE	+
023	V	051	(N,G)	CS	1.4+ 7		HUN	EXPT	NP/A	95	229	67	CSIKAI+ SIGMA TABLE	+
023	V	051	(N,G)	CS	1.4+ 7		YUG	EXPT	NP/A	158	251	70	CVELBAR+ ACTIVATION SIGMA	+
023	V	051	(N,G)	CS	1.5+ 7		FR	EXPT	NSE	55	17	74	RIGAUD+ SIGMA TABLE	+
023	V	051	(N,G)	CS	2.6+ 3	2.2+ 5	DNS	EXPT	PR/C	18	2092	78	WINTERS N-RES. PARAM.	+
023	V	051	(N,G)	CS	1.4+ 7		YUG	COMP	ZP/A	332	163	89	CVELBAR+ ACTIV.&INTEG. SIGMA	+
023	V	051	(N,G)	CS	1.4+ 7		CSR	THEO	ZP/A	332	163	89	CVELBAR+ INTERGAT.SIGMA	+
023	V	051	(N,G)	ED	PILE		LRL	EXPT	NP/A	72	241	65	WHITE+ NEUT.-CAPT.GAMMA SPECTRUM	
023	V	051	(N,G)	YD	2.5- 2		LRL	EXPT	PR	121	562	61	SCHWEAGER N-CAPT.GAMMA	
023	V	051	(N,G)	YD	2.5- 2		GER	EXPT	NP/A	79	565	66	VAN ASSCHE+ LEVEL SCHEME	
023	V	051	(N,G)	YD	2.5- 2		SAC	EXPT	NP/A	93	631	67	CARLOS+ G-G ANGL.CORRELATION	
023	V	051	(N,G)	YD	2.5- 2		CAN	EXPT	CJP	45	2683	67	ARCHER+ GAMMA INTENSITY	
023	V	051	(N,G)	YD	PILE		RCN	EXPT	NP/A	419	101	84	DE HAAS+ V52 LVL TRANST. TBL	
023	V	051	(N,G)	YD	PILE		GER	EXPT	ZP/A	338	371	91	MICHAELSEN+ GAMMA INTENSITY	
023	V	051	(P,G)	CS	9.3+ 5	4.5+ 6		EXPT	NP/A	343	295	80	ZYSKIND+ ABSORPTION SIGMA	
023	V	051	(P,G)	CS	1.2+ 6	2.2+ 6	CCP	EXPT	UFZ	28	332	83	NEMASHKALO+	
023	V	051	(P,G)	YD	7.5+ 5	8.2+ 5	USA	EXPT	NP/A	212	541	73	FAINI+ BRANCHING RATIO	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
024 CR 000	(G,ABSORPTION)	CS	5. - 1	3. + 0	GER	EXPT	ZP/A	282	143	77	FELDMANN+ PHOTODETACH.SIGMA CURVE	+
024 CR 000	(G,F)	CS	5.8+ 8		CAN	EXPT	ZP/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,N)	AD	NDG		GER	THEO	ZP	179	256	64	HEISS DIFF.SIGMA	+
024 CR 000	(N,G)	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)	YD	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)	YD	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	SAR	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		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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
024	CR	052	(N,G	) CS	1.4+ 7		YUG	THEO	NP/A	130	413	69	CVELBAR+ SIGMA TABLE & CURVE	+
024	CR	052	(N,G	) CS	1.4+ 7		YUG	EXPT	NP/A	158	251	70	CVELBAR+ ACTIVATION SIGMA	+
024	CR	052	(N,G	) CS	1. + 2	2.0+ 5	RPI	EXPT	NP/A	163	592	71	STIEGLITZ+ AVERAG.SIGMA VALUE	+
024	CR	052	(N,G	) YD	2.5- 2		CCP	EXPT	SNP	13	129	71	BRODER+ N-CAPT.GAMMA	
024	CR	052	(N,G	) YD	2.5- 2		RCN	EXPT	NP/A	188	535	72	KOPECKY+ GAMMA YIELD	
024	CR	052	(N,G	) YD	5. + 3	2.0+ 5	GER	EXPT	NP/A	240	29	75	BEER+ RES. PARAM.	
024	CR	052	(P,G	) AD	1.7+ 6	2.9+ 6	SAR	EXPT	PR/C	44	972	91	DIN+ RESONANCE & ANGL.DISTRIBUT.	
024	CR	052	(P,G	) CS	4.1+ 6	4.3+ 6		EXPT	JP/G	5	1267	79	FODOR+ PARTIAL GAM.SIGMA	
024	CR	052	(P,G	) CS	8.4+ 5	4.0+ 6	MAL	EXPT	NP/A	363	233	81	KENNETT+ SIGMA CURVE	+
024	CR	052	(P,G	) CS	1.5+ 6	3.5+ 6	CCP	EXPT	SNP	48	399	88	BONDARENKO+ EXCITATION CURVE	+
024	CR	052	(P,G	) XX	NDG		CCP	THEO	SNP	10	270	70	POPOV+ REACTION MECHNISUM	
024	CR	052	(P,G	) YD	1.4+ 6	2.3+ 6	NED	EXPT	NP/A	83	593	66	VUISTER RESONANCE PARAMETER	
024	CR	052	(P,G	) YD	1.7+ 6	2.1+ 6	NED	EXPT	NP/A	91	521	67	VUISTER LEVEL SPIN	
024	CR	052	(P,G	) YD	1.0+ 6	1.6+ 6	NZL	EXPT	NP/A	169	113	71	SPARKS BRANCHING RATIO	
024	CR	052	(P,G	) YD	2.3+ 6		CCP	EXPT	SNP	19	605	74	NEMASHKALO+ P-CAPT.GAMMA	
024	CR	052	(P,G	) YD	1.7+ 6		CAN	EXPT	NP/A	243	1	75	SIE+ MN-53 LEVEL	
024	CR	052	(P,G	) YD	9. + 5	1.0+ 6	CAN	EXPT	NP/A	243	202	75	SCHULTE+ MN-53 LEVEL	
024	CR	052	(P,G	) YD	1.0+ 6	1.1+ 6		EXPT	NIM	159	407	79	SWITKOWSKI+ RES.WIDTH,STRENGTH	
024	CR	052	(P,G	) YD	1.4+ 6	1.7+ 6	SAR	EXPT	PR/C	42	530	90	AL-AGIL+ DECAY GAMMA	
024	CR	052	(P,G	) YD	1.4+ 6	1.7+ 6	SAR	EXPT	PR/C	42	530	90	AL-AGIL+ RESONANCE CAPTURE	
024	CR	052	(P,G EMISSION	) CS	2.7+ 6	2.8+ 6	ROS	EXPT	NP/A	398	476	83	KLEINWAECHTER+	
024	CR	053	(G,G	) YD	5. + 5	3.0+ 6	USA	EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	
024	CR	053	(G,N	) AD	2.0+ 4	1.8+ 6	LRL	EXPT	PR/C	3	2475	71	BAGLAN+ 135 DEG.DIFF.SIGMA CURVE	+
024	CR	053	(G,N	) AD	NDG		LRL	EXPT	PR/C	3	672	71	BAGLAN+ DIFF.SIGMA CURVE	+
024	CR	053	(G,N	) AD	9.1+ 6		ANL	EXPT	PR/C	4	1314	71	JACKSON+ DIFF.SIGMA RATIO	+
024	CR	053	(G,P	) YD	1.2+ 7	1.4+ 7	CCP	EXPT	SNP	21	590	75	RATNER REACTION YIELD	
024	CR	053	(N,G	) CS	1. + 2	2.0+ 5	RPI	EXPT	NP/A	163	592	71	STIEGLITZ+ AVERAG.SIGMA VALUE	+
024	CR	053	(N,G	) YD	2.5- 2		LRL	EXPT	PR	131	777	63	WHITE CR-54 STRUCTURE	
024	CR	053	(N,G	) YD	2.5- 2		CCP	EXPT	SNP	13	129	71	BRODER+ N-CAPT.GAMMA	
024	CR	053	(N,G	) YD	PILE		ANL	EXPT	NIM	105	453	72	LOPER+ GAMMA INTENSITY	
024	CR	053	(N,G	) YD	5. + 3	2.0+ 5	GER	EXPT	NP/A	240	29	75	BEER+ RES. PARAM.	
024	CR	053	(N,G	) YD	2.5- 2		SAR	EXPT	NP/A	500	111	89	HOFMEYER GAMMA INTENSIT.&BRANCH.	
024	CR	054	(G,G	) YD	5. + 5	3.0+ 6	USA	EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	
024	CR	054	(E,SCATTERING	) DD	3.0+ 7	4.0+ 8	SAC	EXPT	PR/C	27	113	83	LIGHTBODY+ ELASTIC SCAT.SIGMA TBL	+
024	CR	054	(N,G	) CS	1. + 2	2.0+ 5	RPI	EXPT	NP/A	163	592	71	STIEGLITZ+ AVERAG.SIGMA VALUE	+
024	CR	054	(N,G	) YD	2.5- 2		LRL	EXPT	NP/A	187	12	72	WHITE+ LEVEL SCHEME	
024	CR	054	(P,G	) CS	8.3+ 5	3.6+ 6	USA	EXPT	NP/A	301	179	78	ZYSKIND+ ABSOLUTE SIGAMA	+
024	CR	054	(P,G	) CS	1.0+ 6	3.8+ 6		EXPT	AJP	32	335	79	WILKINSON+ PARTIAL GAM.PRODUCT	
024	CR	054	(P,G	) CS	1.5+ 6	3.0+ 6	KFT	EXPT	SNP	37	1	83	NEMASHKALO+ PARTIAL SIGMA	
024	CR	054	(P,G	) YD	2.3+ 6		CCP	EXPT	SNP	19	605	74	NEMASHKALO+ P-CAPT.GAMMA	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
025	MN	055	(G,DISINTEGR.)	CS	2.4+ 7		SAS	EXPT	CJP	37	1344	59	PARSONS DISINT.SIGMA CURVE/VALUE	+
025	MN	055	(G,G)	CS	7.5+ 6		ISL	EXPT	NP/A	218	95	74	TENENBAUM+ SCATT.SIGMA TBL	+
025	MN	055	(G,G)	YD	5. + 5	3.0+ 6	USA	EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	
025	MN	055	(G,G)	YD	8. + 5	3.0+ 6	USA	EXPT	NP/A	116	281	68	ALSTON+ TRANSITION STRENGTH	
025	MN	055	(G,G)	YD	6.1+ 6		CCP	EXPT	SNP	48	1	88	BEGZHANOV+ RES.SCATT.,LEVEL WIDTH	
025	MN	055	(G,N)	AD	NDG		GER	THEO	ZP	179	256	64	HEISS DIFF.SIGMA	+
025	MN	055	(G,N)	CS		3.0+ 7	USA	EXPT	PR	120	1424	60	FLOURNOY+ SIGMA TBL & CURVE	+
025	MN	055	(G,N)	CS	2.0+ 6	5.5+ 6	ITY	EXPT	NP/A	126	505	69	DE CARVALHO+ SIGMA PLOT	+
025	MN	055	(G,N)	CS	2.2+ 7	3.0+ 7	JPN	EXPT	NIM	147	563	77	HIRAYAMA+ EFFECT.BREMSST.SIGMA	+
025	MN	055	(G,N)	ED		8.5+ 7	ITY	EXPT	NP/A	122	49	68	GARFAGNINI+ NEUTRON SPECTRA	
025	MN	055	(G,N)	YD	2.5- 2	1.0+ 4	YAL	EXPT	PR	137	B1175	65	WASSON+ GAMMA INTENSITY	
025	MN	055	(G,N EMISSION)	CS	1.0+ 7	3.7+ 7		EXPT	PR/C	20	128	79	ALVAREZ+ (N+PN+2N+3N) SIGMA	
025	MN	055	(G,SCATTERING)	CS	1.0+ 7	1.1+ 7	NRL	EXPT	PR	120	175	60	TOBIN RESONANT SCATT.SIGMA	+
025	MN	055	(G,SCATTERING)	DD		1.1+ 7		EXTH	NIM	166	91	79	MOREH N-CAPT GAMMA SOURCE	
025	MN	055	(G,X)	CS	2. + 9	5. + 9	CCP	EXPT	SNP	22	223	75	VARTAPETYAN+ PRODUCT SIGMA TBL	+
025	MN	055	(G,X)	YD	2.3+ 8	3.0+ 8	UI	EXPT	PR	150	867	66	WALTERS+ ISOMER RATIO	
025	MN	055	(G,X)	YD	1.5+ 9		GER	EXPT	NP/A	160	237	71	KUMBARTZKI+ SPOLLATION PRODUCT	
025	MN	055	(G,X)	YD	1.0+ 8	8.0+ 8	SWD	EXPT	NP/A	242	507	75	ERIKSSON+ ISOMERIC YIELD CURVE	
025	MN	055	(G,XN)	CS	1.0+ 7	2.3+ 7	BLG	EXPT	NP/A	223	416	74	CARCHON+ SIGMA CURVE	+
025	MN	055	(G,3N)	CS	2.0+ 6	5.5+ 6	ITY	EXPT	NP/A	126	505	69	DE CARVALHO+ SIGMA PLOT	+
025	MN	055	(G,3N)	CS		5.0+ 7	GER	EXPT	NP/A	182	411	72	VOELPEL ISOMERIC SIGMA VALUE	+
025	MN	055	(G,3N)	YD	1.0+ 8	3.0+ 8	UI	EXPT	PR	150	867	66	WALTERS+ ISOMER RATIO	
025	MN	055	(E,DISINTEGR.)	YD	3.0+ 7	8.2+ 7	USA	EXPT	PR	105	1534	57	HINES F VALUE CURVE	
025	MN	055	(N,G)	CS	2.4+ 4		IND	EXPT	NP/A	66	267	65	CHAUBEY+ ACTIVATION SIGMA VALUE	+
025	MN	055	(N,G)	CS	9.7+ 5	1.9+ 7	USA	EXPT	PR	163	1299	67	MENLOVE+ ACTIVATION SIGMA TBL	+
025	MN	055	(N,G)	CS	1.3+ 7	1.5+ 7	HUN	EXPT	NP/A	95	229	67	CSIKAI+ SIGMA TABLE	+
025	MN	055	(N,G)	CS	8. + 3	1.2+ 5	SAF	EXPT	NP/A	121	655	68	SPITZ+ SIGMA CURVE	+
025	MN	055	(N,G)	CS	1.4+ 7		YUG	EXPT	NP/A	130	401	69	CVELBAR+ SIGMA TABLE & CURVE	+
025	MN	055	(N,G)	CS	1.4+ 7		YUG	EXPT	NP/A	158	251	70	CVELBAR+ ACTIVATION SIGMA	+
025	MN	055	(N,G)	CS	3.0+ 3	6.0+ 5	ORL	EXPT	PR/C	18	2079	78	GARG+ N-RES. PARAM.	+
025	MN	055	(N,G)	CS		2.5+ 3	ORL	EXPT	NSE	89	362	85	MACKLIN SIGMA CURVE	+
025	MN	055	(N,G)	CS	1.4+ 7		YUG	COMP	ZP/A	332	163	89	CVELBAR+ ACTIV.&INTEG. SIGMA	+
025	MN	055	(N,G)	CS	1.4+ 7		CSR	THEO	ZP/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	PILE		ANL	EXPT	PR	123	629	61	TOIT+ LIFETIME OF LEVEL	
025	MN	055	(N,G)	YD	2.5- 2		YAL	EXPT	PR	136	B1640	64	WASSON+ NEUT.CAPT GAMMA	
025	MN	055	(N,G)	YD	5. + 0	4.0+ 3	YAL	EXPT	NP/A	73	499	65	WASSON+ NEUT-CAPT.GAMMA	
025	MN	055	(N,G)	YD	2.5- 2		DDR	EXPT	NP/A	71	221	65	RUDOLPH+ GAMMA INTENSITY	
025	MN	055	(N,G)	YD	2.5- 2		CAN	EXPT	NP/A	80	131	66	HUGHES+ GAMMA INTENSITY	
025	MN	055	(N,G)	YD	2.5- 2		DEN	EXPT	NP/A	127	385	69	KOPECKY+ LEVEL SPIN	
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+ 3	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	5. + 3	USA	EXPT	NP/A	160	367	71	VAN ASSCHE+ RESONANCE	
025	MN	055	(N,G)	YD	PILE		CAN	EXPT	CJP	53	236	75	COLENBRANDER+ GAMMA INTENSITY	
025	MN	055	(P,G)	CS	8.0+ 5	2.0+ 6	AML	EXPT	AJP	36	1	83	MITCHELL+ SIGMA CURV	
025	MN	055	(P,G)	YD	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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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	ZP	269	105	74	DOUGAN+ CAL.SIGMA CURVE	+
026 FE 000	(G,SCATTERING)	AD	1.7+ 7		GER	EXPT	ZP	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 ALBBED	
026 FE 000	(G,X)	XX	2.3+ 5	3.3+ 5	KFK	EXPT	ZP	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	FERDINANDE+ CAL.BREMSST.SPECT.CRV	+
026 FE 000	(E,INELASTIC)	CS	8. + 9	2.5+ 9	STF	EXPT	PRL	52	727	84	ARNOLD+	
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+ YIELD SIGMA	+
026 FE 000	(E,X)	YD	3.0+ 9		ORL	EXPT	PR	188	1752	69	FULMER+ RELATIV.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	FIEBIGER+ 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		1.6+ 3	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	ZP	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	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	GOLDEMBERG+ SIGMA CURVE,X=D+NP	+
026 FE 054	(G,2N)	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)			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(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
026	FE	054	(N,G	) YD	2.5- 2		NED	EXPT	NP/A	145	449	70	SPITS+ GAMMA INTENSITY	
026	FE	054	(N,G	) YD	2.5- 2		RCN	EXPT	NP/A	188	535	72	KOPECKY+ GAMMA YIELD	
026	FE	054	(N,G	) YD	5. + 3	2.0+ 5	GER	EXPT	NP/A	240	29	75	BEER+ RES. PARAM.	
026	FE	054	(P,G	)		9.0+ 6		EXPT	SNP	45	384	87	SKAKUN+	
026	FE	054	(P,G	) CS	8. + 6	2.2+ 7	ORL	EXPT	PR	100	206	55	COHEN SIGMA TBL	+
026	FE	054	(P,G	) CS	8.0+ 6	1.5+ 7	DKE	EXPT	PR/C	14	553	76	CAMERON+ RELATIVE SIGMA	+
026	FE	054	(P,G	) CS	1.1+ 6	1.8+ 6		EXPT	NP/A	337	231	80	SANA ULLAH+ ANG.DIST. OF GAMMA	
026	FE	054	(P,G	) CS	1.1+ 6	3.7+ 6	MAL	EXPT	NP/A	363	233	81	KENNETT+ SIGMA CURVE	+
026	FE	054	(P,G	) YD	1.8+ 6	1.9+ 6	CAN	EXPT	NP/A	187	337	72	MARTIN+ LEVEL SCHEME	
026	FE	054	(P,G	) YD	4.8+ 6	1.7+ 7	ANL	EXPT	PR/C	9	1440	74	MAHER+ YIELD CURVE	
026	FE	054	(P,G	) YD	3.3+ 6	3.8+ 6	SWT	EXPT	NP/A	249	269	75	BRANDLE+ CO-55 STATES	
026	FE	054	(P,G	) YD	1.5+ 6	2.9+ 6	SWD	EXPT	ZP/A	280	79	77	ERLANDSSON+ GAMMA INTENSITY	
026	FE	054	(P,G	) YD	NDG		FIN	EXPT	NIM	144	323	77	RIIHONEN+ ABSOLUT.RES.STRENGTH	
026	FE	054	(P,G	) YD	2.1+ 6	3.9+ 6	SAR	EXPT	PR/C	40	577	89	DIN+ PROTON RESONANCE	
026	FE	054	(P,SCATTERING	) AD	3.4+ 6	3.5+ 6		EXPT	NP/A	324	63	79	ARAI+ ANG.DIST. OF 2ND GAM,4ANG	
026	FE	054	(A,G	) AD	7.6+ 6	1.3+ 7	ANL	EXTH	PR/C	17	56	78	MEYER-SCHUITZMEISTER+ GIANT RES.	+
026	FE	056	(G,ABSORPTION	) YD	NDG		CER	THEO	PL/B	136	307	84	ALBERICO+	
026	FE	056	(G,ELASTIC	) CS		1.2+ 7		EXPT	NP/A	329	205	79	KUMAGAI+ RES.SCAT.,7GAM TRANSIT	
026	FE	056	(G,G	) CS	2.8+ 5	6.6+ 5		EXPT	NP/A	80	93	66	ANAND+ SIGMA CURVE	+
026	FE	056	(G,G	) YD	8.5+ 5		USA	EXPT	NP	27	188	61	KELLY+ RESONANCE FLUORESC.	
026	FE	056	(G,G	) YD	5. + 5	3.0+ 6	USA	EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	
026	FE	056	(G,N	) AD	2.0+ 4	1.8+ 6	LRL	EXPT	PR/C	3	2475	71	BAGLAN+ 135 DEG.DIFF.SIGMA CURVE	+
026	FE	056	(G,N	) AD	NDG		LRL	EXPT	PR/C	3	672	71	BAGLAN+ DIFF.SIGMA CURVE	+
026	FE	056	(G,N	) CS	1.3+ 7		USA	EXPT	PR/C	8	1002	73	VERBINSKI+ 93DEG. DIFF.SIGMA CURVE	+
026	FE	056	(G,N	) CS	1. + 3	1.4+ 5	CCP	EXPT	SNP	20	236	75	ABRAMOV+ SIGMA TABLE	+
026	FE	056	(G,N	) CS		1.2+ 7	FEI	EXPT	SNP	49	758	89	ROGOV+ RESONANCE SIGMA	+
026	FE	056	(G,N	) YD		2.2+ 7	USA	EXPT	PR	110	1388	58	TOBIN+ PHOTONEUTRON THRESHOLD	
026	FE	056	(G,SCATTERING	) CS	9.1+ 6		GRN	EXPT	NP/A	398	397	83	SMITH+ RES.ABS.CURV	
026	FE	056	(G,X	) DD	3.0+ 7	1.4+ 8	EDG	EXPT	NP/A	429	61	84	FLOWERS+ SIGMA CURV	
026	FE	056	(G,X	) YD	1.5+ 9		GER	EXPT	NP/A	160	237	71	KUMBARTZKI+ SPOLLATION PRODUCT	
026	FE	056	(G,X	) YD	1.5+ 9		GER	EXPT	NP/A	176	23	71	KUMBARTZKI+ YIELD CURVE	
026	FE	056	(G,XN	) YD	1.5+ 8	3.1+ 8	USA	EXPT	NP/A	157	73	70	WALTERS+ YIELD RATIO	
026	FE	056	(E,A	) DD	1.6+ 7	1.0+ 8	NBS	EXPT	PR/C	24	1952	81	DODGE+ DIFF. SIGMA CURVE	+
026	FE	056	(E,ELASTIC	) AD	2.3+ 8		CCP	EXPT	SNP	14	23	72	LITVINENKO+ DIFF.SIGMA CURVE	+
026	FE	056	(E,INELASTIC	) CS	6.0+ 7		YAL	EXPT	NP/A	153	610	70	PETERSON+ SIGMA RATIO	+
026	FE	056	(E,INELASTIC	) CS	1.0+ 8	3.7+ 8		EXPT	PRL	44	965	80	ALTEMUS+ INEL.RESPONSE FUNCT.	
026	FE	056	(E,INELASTIC	) ED	1.6+ 7	5.6+ 8	UMA	EXPT	PR/C	30	87	84	HOTTA+ 12ENERG.AT 180DE,SIGMA CURV	
026	FE	056	(E,INELASTIC	) ED	1.2+ 8	7.0+ 8	SAC	EXPT	PRL	52	2130	84	MEZIANI+ 3ANG.	
026	FE	056	(E,INELASTIC	) XX	2.0+ 8	3.0+ 8	STF	EXPT	NP/A	164	353	71	HEISENBERG+ INELASTIC PARAMETER	
026	FE	056	(E,P	) DD	1.6+ 7	1.0+ 8	NBS	EXPT	PR/C	24	1952	81	DODGE+ DIFF. SIGMA CURVE	+
026	FE	056	(E,SCATTERING	) CS	1.8+ 8		STF	EVAL	PR	105	1353	57	HAHN+ ELECTRON SCATT.	+
026	FE	056	(E,X	) DD	3.0+ 7	1.4+ 8	EDG	EXPT	NP/A	429	61	84	FLOWERS+ SIGMA CURV	
026	FE	056	(N,G	) CS	1.4+ 4	6.0+ 4	ORL	EXPT	PR	136	B695	64	MACKLIN+ SIGMA VALUE	+
026	FE	056	(N,G	) CS	1.4+ 7		YUG	THEO	NP/A	130	413	69	CVELBAR+ SIGMA TABLE & CURVE	+
026	FE	056	(N,G	) CS	1.0+ 4	1.8+ 7	USA	THEO	NSE	46	255	71	BLOOM+ STATISTICAL MODEL CAL.	+
026	FE	056	(N,G	) CS	1.0+ 4	2.5+ 5	KFK	EXPT	NSE	84	234	83	KAEPPELER+ MAXWEL.AV.SIGMA TABLE	+
026	FE	056	(N,G	) CS	1.2+ 3		KFK	EXPT	NSE	93	348	86	CORVI+ RES.PARAMETER	
026	FE	056	(N,G	) XX	2.5- 2		CCP	EVAL	SNP	4	558	67	GROSHEV+ LEVEL STRUCTURE	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
026	FE	056	(N,G	) XX	2.5- 2		KFK	EXPT	NP/A	107	14	68	SCHAUB+ CIRCULAR POLARIZATION	
026	FE	056	(N,G	) YD	4.4+ 6		USA	EXPT	PR	99	XXXX	55	SINCLAIR GAMMA RADIATION	
026	FE	056	(N,G	) YD	2.5- 2		CRC	EXPT	NP/A	50	209	64	BARTHOLOMEW+ LEVEL SPIN	
026	FE	056	(N,G	) YD	2.5- 2		CCP	EXPT	NP/A	58	465	64	GRDSHEV+ GAMMA SPECTRUM	
026	FE	056	(N,G	) YD	2.5- 2		CCP	EXPT	NP/A	73	312	65	FIRSOV+ GAMMA INTENSITY	
026	FE	056	(N,G	) YD	2.5- 2		NED	EXPT	NP/A	102	209	67	SPILLING+ Q-VALUE	
026	FE	056	(N,G	) YD	2.5- 2		NED	EXPT	NP/A	113	395	68	SPILLONG+ GAMMA INTENSITY	
026	FE	056	(N,G	) YD	1.5+ 4	8.0+ 4	ORL	EXPT	NP/A	120	113	68	BIRD+ RESONANCE PARAMETER	
026	FE	056	(N,G	) YD	2.5- 2		DEN	EXPT	NP/A	127	385	69	KOPECKY+ LEVEL SPIN	
026	FE	056	(N,G	) YD	1.2+ 3		BNL	EXPT	PR/C	1	973	70	CHRIEN+ GAMMA INTENSITY	
026	FE	056	(N,G	) YD	2.5- 2		NED	EXPT	NP/A	145	449	70	SPITS+ GAMMA INTENSITY	
026	FE	056	(N,G	) YD	2.5- 2		NED	EXPT	NP/A	180	569	72	KAMP+ NEUT.-CAPT. GAMMA	
026	FE	056	(N,G	) YD	5. + 3	2.0+ 5	GER	EXPT	NP/A	240	29	75	BEER+ RES. PARAM.	
026	FE	056	(N,G	) YD	7. + 3	7.0+ 4	KFK	EXPT	ZP/A	284	173	78	BEER+ PARTIAL WIDTH	
026	FE	056	(N,G	) YD	2.8+ 4		KFK	EXPT	NSE	86	168	84	WISSHAK+ RES.PARAMETER	
026	FE	056	(N,G	) YD	2.5- 2		GOE	EXPT	NP/A	505	193	89	ULBIG+ LIFETIME OF LEVELS	
026	FE	056	(N,G	) YD	PILE		CCP	EXPT	SNP	52	398	90	VESNA+ PARITY NON-CONSERV.EFFECT	
026	FE	056	(P,G	) AD	2.0+ 6	4.0+ 6	ATH	EXPT	PR/C	24	398	81	PARADELLIS+ LEVELS	
026	FE	056	(P,G	) CS	8. + 6	2.2+ 7	USA	EXPT	NP/A	203	257	73	DRAKE+ INTEGRAT.SIGMA CURVE	+
026	FE	056	(P,G	) CS	8.0+ 6	1.5+ 7	DKE	EXPT	PR/C	14	553	76	CAMERON+ RELATIVE SIGMA	+
026	FE	056	(P,G	) CS	1.5+ 6	3.0+ 6		EXPT	YF	36	1083	82	NEMASHKALO+	
026	FE	056	(P,G	) DD	8.6+ 6	9.7+ 6		EXPT	PR/C	19	1762	79	RANGACHARYULU+ CO57 LEVEL SCHEM	
026	FE	056	(P,G	) XX	1.3+ 6	1.9+ 6	CAN	EXPT	ZP/A	301	189	81	EI-KATEB+ RESONANCE	
026	FE	056	(P,G	) YD	1.2+ 6	2.6+ 6	NZL	EXPT	NP/A	153	593	70	O'BRIEN+ RESONANCE	
026	FE	056	(P,G	) YD	1.2+ 6	1.7+ 6	CAN	EXPT	NP/A	170	115	71	LESLI+ PROTON-CAPT.GAMMA	
026	FE	056	(P,G	) YD	1.2+ 6	1.5+ 6	CAN	EXPT	NP/A	232	139	74	ESAT+ RESONANCE PROPERTIES	
026	FE	056	(P,G	) YD	NDG		FIN	EXPT	NIM	144	323	77	RIIHONEN+ ABSOLUT.RES.STRENGTH	
026	FE	056	(P,G	) YD	3.7+ 6	3.9+ 6	KFI	EXPT	JP/G	4	1117	78	FODOR+ CO-57 LEVELS	
026	FE	056	(P,G	) YD	1.3+ 6	1.9+ 6	CAN	EXPT	ZP/A	301	189	85	EL-KATEB+ GAMMA YIELD	
026	FE	056	(P,G	) YD	1.6+ 6	1.6+ 6	KQU	EXPT	NP/A	462	527	87	BROOKES+ CO-57 LEVEL	
026	FE	056	(D,G	) YD	3.8+ 6	3.8+ 6	DHA	EXPT	PR/C	34	1620	86	EI-KATEB+ CO-57 LEVEL	
026	FE	056	(A,G	) CS	8. + 6	1.8+ 7	AUL	EXPT	NP/A	220	505	74	FOOTE+ EXCITATION CURVE	+
026	FE	056	(A,G	) YD	8. + 6	1.8+ 7	AUL	EXPT	NP/A	220	505	74	FOOTE+ NI-60 LEVEL SCHEME	
026	FE	056	(A,G	) YD	4.2+ 6	7.1+ 6		EXPT	NP/A	318	471	79	ANDERSON+ GAM.YIELD	
026	FE	057	(G,G	) YD	1.4+ 4		USA	EXPT	NP/A	68	145	65	NUSSBAUM+ INTERNAL CONVERSION	
026	FE	057	(G,N	) AD	NDG		LRL	EXPT	PR/C	3	672	71	BAGLAN+ DIFF.SIGMA CURVE	+
026	FE	057	(G,N	) AD	8.5+ 6		ANL	EXPT	PR/C	4	1314	71	JACKSON+ DIFF.SIGMA RATIO	+
026	FE	057	(G,N	) CS		1.1+ 7	FEI	EXPT	SNP	49	758	89	ROGOV+ RESONANCE SIGMA	+
026	FE	057	(G,N	) YD		2.2+ 7	USA	EXPT	PR	110	1388	58	TOBIN+ PHOTONEUTRON THRESHOLD	
026	FE	057	(G,SCATTERING	) YD	1.4+ 7		USA	EXPT	PR/C	6	836	72	LEE+ 90DEG. SCATTERING	
026	FE	057	(N,G	) CS	1.2+ 4	6.0+ 4	ORL	EXPT	PR	136	B695	64	MACKLIN+ SIGMA VALUE	+
026	FE	057	(N,G	) ED	2.5- 2		CCP	EXPT	SNP	6	325	68	MURZIN+ GAMMA SPECTRA	
026	FE	057	(N,G	) YD	2.5- 2		KFK	EXPT	NP/A	128	641	69	FANGER+ GAMMA INTENSITY	
026	FE	057	(N,G	) YD	2.5- 2		KFK	EXPT	NP/A	136	122	69	SCHMIDT+ GAMMA TRANSITION	
026	FE	057	(P,G	) YD	1.2+ 6	1.7+ 6	SWD	EXPT	NP/A	146	43	70	ERLANDSSON+ RESONANCE PARAMETER	
026	FE	057	(P,G	) YD	NDG		FIN	EXPT	NIM	144	323	77	RIIHONEN+ ABSOLUT.RES.STRENGTH	
026	FE	058	(G,N	) CS		1.3+ 7	FEI	EXPT	SNP	49	758	89	ROGOV+ RESONANCE SIGMA	+

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
026 FE 058	(E,ELASTIC)	AD	2.3+ 8		CCP	EXPT	SNP	14	23	72	LITVINENKO+ DIFF.SIGMA CURVE	+
026 FE 058	(N,G)	CS	2.5+ 4	2.0+ 5		EXPT	JP/G	6	381	80	ALLEN+ CAPT SIGMA,RAD.WIDTH	
026 FE 058	(N,G)	CS	1.0+ 4	2.5+ 5	KFK	EXPT	NSE	84	234	83	KAEPPELER+ MAXWEL.AV.SIGMA TABLE	+
026 FE 058	(N,G)	ED	2.5- 2		CCP	EXPT	SNP	14	309	72	BOGDANOV+ GAMMA SPECTRA	
026 FE 058	(P,G)	AD	5.0+ 6	1.6+ 7	DKE	EXPT	PR/C	14	553	76	CAMERON+ RELATIVE SIGMA	+
026 FE 058	(P,G)	CS	7.6+ 6	1.5+ 7	DKE	EXPT	PR/C	14	553	76	CAMERON+ RELATIVE SIGMA	+
026 FE 058	(P,G)	CS	1.5+ 6	3.0+ 6		EXPT	YF	36	1083	82	NEMASHKALO+	
026 FE 058	(P,G)	XX	2.3+ 6	2.9+ 6		EXPT	NP/A	391	61	82	NILSON+	
026 FE 058	(P,G)	YD	2.2+ 6	2.3+ 6	FIN	THEO	ZP	270	129	74	KEINONEN+ GAMMA DECAY OF RESONANC	
026 FE 058	(P,G)	YD	NDG		FIN	EXPT	NIM	144	323	77	RIIHONEN+ ABSOLUT.RES.STRENGTH	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
027 CO 059	(G,ABSORPTION)	CS	6.4+ 6		ISL	EXPT	NP/A	252	423	75	MOREH+ ATTENUAT. COEFF.	+
027 CO 059	(G,G)	YD	5. + 5	3.0+ 6	USA	EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	
027 CO 059	(G,G)	YD	8. + 5	3.0+ 6	USA	EXPT	NP/A	116	281	68	ALSTON+ TRANSITION STRENGTH	
027 CO 059	(G,N)		2.2+ 6			EXPT	SJA	58	56	85	DAVYDOV+	+
027 CO 059	(G,N)		1.7+ 6			EXPT	SJA	63	545	87	DAVYDOV+	+
027 CO 059	(G,N)	CS		3.0+ 7	USA	EXPT	PR	120	1424	60	FLOURNOY+ SIGMA TBL & CURVE	+
027 CO 059	(G,N)	CS	1.0+ 7	2.8+ 7	LRL	EXPT	PR	128	2345	62	FULTZ+ SIGMA CURVE	+
027 CO 059	(G,N)	CS	1.0+ 7	3.1+ 7	ITY	EXPT	NP/A	67	178	65	BACIU+ SIGMA TABLE	+
027 CO 059	(G,N)	CS	7.7+ 6	1.1+ 7	USA	EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
027 CO 059	(G,N)	ED		8.5+ 7	ITY	EXPT	NP/A	122	49	68	GARFAGNINI+ NEUTRON SPECTRA	
027 CO 059	(G,N)	XX	4.8+ 7		RPI	THEO	PR	167	1049	68	RHOADES+ ISOMER RATIO	
027 CO 059	(G,N EMISSION)	CS	1.0+ 7	3.7+ 7		EXPT	PR/C	20	128	79	ALVAREZ+ (N+PN+2N+3N) SIGMA	
027 CO 059	(G,P)	CS	1.8+ 7		SWD	EXPT	ZP/A	272	77	75	WENE SIGMA PLOT	+
027 CO 059	(G,X)	CS	3.5+ 7	5.4+ 7	GER	EXPT	ZP	205	47	67	LICHDBLAU+ MN-56 PRODUCT.SIGMA	+
027 CO 059	(G,X)	CS	4.5+ 8		GER	EXPT	NP/A	221	14	74	DAVID+ SIGMA CURVE & TBL	+
027 CO 059	(G,X)	YD		3.1+ 8	COR	EXPT	PR	102	530	56	WOLKE+ SPOLLATION YIELD	
027 CO 059	(G,X)	YD	1.5+ 8		UI	EXPT	PR	150	867	66	WALTERS+ ISOMER RATIO	
027 CO 059	(G,X)	YD	1.5+ 9		GER	EXPT	NP/A	160	237	71	KUMBARTZKI+ SPOLLATION PRODUCT	
027 CO 059	(G,X)	YD	1.0+ 8	8.0+ 8	SWD	EXPT	NP/A	242	507	75	ERIKSSON+ ISOMERIC YIELD CURVE	
027 CO 059	(G,XN)	CS	3.5+ 7	5.4+ 7	GER	EXPT	ZP	205	47	67	LICHDBLAU+ SIGMA TABLE	+
027 CO 059	(G,XN)	CS	1.0+ 7	2.2+ 7	RUM	EXPT	NP/A	167	177	71	BACIU+ SIGMA CURVE & TABLE	+
027 CO 059	(G,XP)	YD	6.0+ 7	1.0+ 8	GLS	EXPT	PL/B	79	356	78	FINDLAY+	
027 CO 059	(G,2N)	CS	1.8+ 7	2.8+ 7	LRL	EXPT	PR	128	2345	62	FULTZ+ SIGMA CURVE	+
027 CO 059	(E,A)	DD	1.6+ 7	1.0+ 8	NBS	EXPT	PR/C	24	1952	81	DODGE+ DIFF. SIGMA CURVE	+
027 CO 059	(E,ELASTIC)	AD	3.0+ 8		CCP	THEO	SNP	4	41	67	PETKOV+ DIFF.SIGMA CURVE	+
027 CO 059	(E,ELASTIC)	CS	2.3+ 8		CCP	EXPT	SNP	20	583	75	LIKHACHEV+ 90DEG.SIGMA CURVE	+
027 CO 059	(E,P)	AD	1.5+ 7	2.9+ 8	TOH	EXPT	NP/A	303	333	78	TSUBOTA+ PHOTOPROTON SIGMA	+
027 CO 059	(E,P)	DD	1.6+ 7	1.0+ 8	NBS	EXPT	PR/C	24	1952	81	DODGE+ DIFF. SIGMA CURVE	+
027 CO 059	(E,SCATTERING)	AD	1.8+ 8		STF	EXPT	PR	123	923	61	CRANNELL+ NUCL.LEVEL	
027 CO 059	(E,SCATTERING)	AD	1.8+ 8		STF	EXPT	PR	121	283	61	CRANNELL+ DIFF.SIGMA CURVE	+
027 CO 059	(E,SCATTERING)	AD	3.0+ 8		UI	THEO	PR	132	414	63	HERMAN+ DIFF.SIGMA CURVE	+
027 CO 059	(E,SCATTERING)	XX	NDG		USA	THEO	PR/C	1	547	70	RAPHAEL+ FORM FACTOR	
027 CO 059	(N,G)	CS	PILE		GEL	EXPT	NSE	24	87	66	VANINBROUKX ACTIVATION	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
027	CO	059	(N,G	) CS		1.5+ 3	BNL	EXPT	PR	176	1314	68	WASSON+ DIRECT CAPT. SIGMA	+
027	CO	059	(N,G	) CS	2.5- 2		CAN	EXPT	CJP	46	2325	68	MERRITT+ ACTIVAT.SIGMA VALUE	+
027	CO	059	(N,G	) CS	2.5- 2	3.0+ 2	SAC	EXPT	NP/A	130	353	69	SAMOUR+ SIGMA RATIO	
027	CO	059	(N,G	) CS	2.5- 2		SAC	EXPT	NP/A	130	161	69	MELLEMA+ GAMMA INTENSITY	
027	CO	059	(N,G	) CS	1.4+ 7		FR	EXPT	NP/A	173	551	71	RIGAUD+ INTEGRAT.SIGMA TABLE	+
027	CO	059	(N,G	) CS	2.5- 2		USA	EXPT	NSE	46	314	71	FULMER+ SIGMA VALUE	+
027	CO	059	(N,G	) CS	1.0+ 4	7.0+ 4	KFK	EXPT	NSE	60	390	76	SPENCER+ MAXWEL.AV.SIGMA TABLE	+
027	CO	059	(N,G	) CS	8.5+ 4	1.0+ 6	ORL	EXPT	NSE	61	346	76	SPENCER+ AV.SIGMA TABLE	+
027	CO	059	(N,G	) ED	PILE		CCP	EXPT	NP	4	91	57	ESTULIN+ N-CAPT.SOFT GAMMA	
027	CO	059	(N,G	) ED		1.0+ 4	USA	EXPT	NP/A	78	576	66	WASSON+ RESONANT N-CAPTURE	
027	CO	059	(N,G	) ED	2.5- 2		CAN	EXPT	NP/A	88	548	66	PRESTWICH+ GAMMA SPECTRUM	
027	CO	059	(N,G	) ED	1.3+ 2		ANL	EXPT	PR	155	1223	67	PRESTWICH+ RESONANCE PARAM.	
027	CO	059	(N,G	) ED	PILE		CAN	EXPT	CJP	53	351	75	PRESTWICH+ N-CAPT.GAMMA SPECTRUM	
027	CO	059	(N,G	) ED	PILE		RCN	EXPT	NP/A	427	413	84	KOPECKY+ GAMM.TRANSIT.TBL	
027	CO	059	(N,G	) XX	2.5- 2		KFK	EXPT	ZP	219	114	69	EICHLER CIRCUL.POLARIZAT. OF GAMMA	
027	CO	059	(N,G	) YD	2.5- 2		YAL	EXPT	PR	136	B1640	64	WASSON+ NEUT.CAPT GAMMA	
027	CO	059	(N,G	) YD	PILE		DDR	EXPT	NP/A	54	405	64	GERSCH+ GAMMA INTENSITY	
027	CO	059	(N,G	) YD	2.5- 2		CSR	EXPT	NP/A	68	449	65	KOPECKY+ POLARIZATION OF GAMMA	
027	CO	059	(N,G	) YD	2.5- 2		CAL	EXPT	PR	150	894	66	BROOKS+ CO-60 LEVEL	
027	CO	059	(N,G	) YD	2.5- 2		RCN	EXPT	NP/A	124	34	69	ABRAHAMS+ GAMMA TRANSITION	
027	CO	059	(N,G	) YD	2.5- 2		DEN	EXPT	NP/A	127	385	69	KOPECKY+ LEVEL SPIN	
027	CO	059	(N,G	) YD	2.5- 2		RCN	EXPT	NP/A	181	241	72	STECHER-RASMUSSEN+ LEVEL SCHEME	
027	CO	059	(P,G	) AD	6.8+ 6	1.3+ 7		EXPT	PR/C	17	1853	78	TURNER+ POLARIZED PROTON	
027	CO	059	(P,G	) CS	1.0+ 6	1.9+ 6	USA	EXPT	PR	108	1473	57	BUTLER+ SIGMA TBL	+
027	CO	059	(P,G	) CS	8. + 6	2.2+ 7	USA	EXPT	NP/A	203	257	73	DRAKE+ INTEGRAT.SIGMA CURVE	+
027	CO	059	(P,G	) CS	1.6+ 7	1.7+ 7	AUL	EXPT	NP/A	220	505	74	FOOTE+ EXCITATION CURVE	+
027	CO	059	(P,G	) CS	1.5+ 6	1.1+ 7	SWD	EXPT	ZP	266	245	74	AKSELSSON+ K X-RAY YIELD	+
027	CO	059	(P,G	) CS	1.2+ 6	2.2+ 6	CCP	EXPT	UFZ	28	332	83	NEMASHKALO+	
027	CO	059	(P,G	) YD	8. + 6	1.8+ 7	AUL	EXPT	NP/A	220	505	74	FOOTE+ NI-60 LEVEL SCHEME	
027	CO	059	(P,G	) YD	1.4+ 6	2.2+ 6	SWD	EXPT	ZP/A	272	67	75	ERLANDSSON+ TRANSIT GAMMA	

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

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
028	NI	058	(E,INELASTIC)	CS	NDG		DUK	THEO	NP/A	66	1	65	REYNOLDS+ CAL.RELATIV.SIGMA CURVE	+
028	NI	058	(E,INELASTIC)	CS	3. + 6	5.0+ 7		EXPT	PR/C	21	147	80	PITTHAN+	
028	NI	058	(E,INELASTIC)	CS	1.2+ 7	3.5+ 7		EXPT	YF	32	595	80	VOLKOV+	
028	NI	058	(E,INELASTIC)	DD	1.5+ 8	2.0+ 8	CCP	EXPT	SNP	9	274	69	GUL'KAROV+ DOUBL.DIFF.SIGMA CURVE	+
028	NI	058	(E,INELASTIC)	ED	4.5+ 8		SAC	EXPT	PL/B	122	347	83	FROIS+ 2+ STAT SIGMA CURV	
028	NI	058	(E,INELASTIC)	ED	1.2+ 8	1.8+ 8	MPH	EXPT	NC/A	76	369	83	KLEIN+ SIGMA CURV	
028	NI	058	(E,INELASTIC)	ED	1.4+ 8		GER	EXPT	ZP/A	331	107	88	DOLBILKIN+ 4PI-INTEG. SPECTRA	
028	NI	058	(E,INELASTIC)	XX	NDG		USA	THEO	PR	129	1689	63	ONLEY+ FORM FACTOR	
028	NI	058	(E,INELASTIC)	XX	NDG		CCP	THEO	SNP	4	395	67	PETKOV+ FORM FACTOR	
028	NI	058	(E,INELASTIC)	XX	NDG		CCP	THEO	SNP	11	312	70	LUK'YANOV+ FORM FACTOR	
028	NI	058	(E,INELASTIC)	XX	6.0+ 8		SAC	COMP	NP/A	358	383	81	FROIS	
028	NI	058	(E,INELASTIC)	XX	8.4+ 6	1.1+ 7	GER	EXTH	NP/A	448	21	86	SPANGENBERGER+ MAGNETIC-DIPOLE	
028	NI	058	(E,INELASTIC)	XX	NDG		CCP	THEO	SNP	51	221	90	DENISOV FORM FACTOR	
028	NI	058	(E,MISCELLAN.)	CS	1.2+ 7	3.5+ 7		EXPT	JEL	30	67	79	VOLKOV+ (E,EP)+(G,P)+(E,EA)+(GA	
028	NI	058	(E,P)	CS	1.6+ 7	5.0+ 7		EXPT	PRL	42	27	79	WOLYNEC+ DECAY MODE OF RES.	
028	NI	058	(E,P)	CS	1.6+ 7	5.0+ 7		EXPT	PR/C	22	1012	80	WOLYNEC+	
028	NI	058	(E,P EMISSION)	AD	NDG		BLG	THEO	NP/A	505	755	89	RYCKEBUSCH+ CALCU.DIFF.SIG.CURVE	+
028	NI	058	(E,SCATTERING)	AD	1.8+ 8		STF	EXPT	PR	123	923	61	CRANNELL+ NUCL.LEVEL	
028	NI	058	(E,SCATTERING)	AD	2.0+ 8		GER	THEO	NP/A	78	465	66	DRECHSEL DIFF.SIGMA CURVE	+
028	NI	058	(E,SCATTERING)	AD	2.3+ 8		CCP	EXPT	NP/A	146	15	70	KHVASTUNOV+ DIFF.SIGMA TABLE	+
028	NI	058	(E,SCATTERING)	AD	5.0+ 8		STF	EXPT	PR/C	9	2230	74	WHITNEY+ SIGMA TABLE	+
028	NI	058	(E,SCATTERING)	CS	1.8+ 8		STF	EVAL	PR	105	1353	57	HAHN+ ELECTRON SCATT.	+
028	NI	058	(E,SCATTERING)	YD	1.2+ 8	2.6+ 8	UMA	EXPT	PRL	41	1705	78	LINDGREN+ NI-58 LEVELS	
028	NI	058	(E,X)	DD	3.0+ 7	1.4+ 8	EDG	EXPT	NP/A	429	61	84	FLOWERS+ SIGMA CURV	
028	NI	058	(E,X)	XX	1.5+ 8	2.3+ 8	CCP	EVAL	SNP	10	18	70	AFANAS'EV+ FORM FACTOR	
028	NI	058	(N,G)	CS	9. + 5	8.3+ 6	SWD	EXPT	NP/A	120	161	68	BERGQVIST+ SIGMA PLOT	+
028	NI	058	(N,G)	CS	4.0+ 4		AUL	EXPT	NP/A	122	220	68	ALLEN+ AVERAG.SIGMA VALUE	+
028	NI	058	(N,G)	CS	2.0+ 4	4.0+ 4	KFK	EXPT	NSE	86	168	84	WISSHAK+ MAXWEL.AV.SIGMA TABLE	+
028	NI	058	(N,G)	ED	2.5- 2		USA	EXPT	PR	121	1734	61	TREADO+ N-CAPT.GAMMA SPRCTRA	
028	NI	058	(N,G)	ED	5. + 5	1.1+ 7		EXPT	NP/A	339	205	80	LINDHOLM+ TOF,LARGE NAI,CAPT CS	
028	NI	058	(N,G)	YD	2.5- 2		CCP	EVAL	SNP	3	319	66	GROSHEV+ GAMMA ENERGY & INTENSITY	
028	NI	058	(N,G)	YD	2.5- 2		CCP	EXPT	SNP	5	829	67	BOGDANOV+ GAMMA SPECTRA	
028	NI	058	(N,G)	YD	NDG		CCP	COMP	SNP	17	134	73	KNAT'KO+ NI-59 LEVEL	
028	NI	058	(N,G)	YD	2.5- 2		ANL	EXPT	PR/C	11	1477	75	WILSON+ N-CAPT GAMMA	
028	NI	058	(N,G)	YD	2.5- 2		CAN	EXPT	ZP/A	281	365	77	ISHAQ+ GAMMA INTENSITY	
028	NI	058	(N,G)	YD	7. + 3	7.0+ 4	KFK	EXPT	ZP/A	284	173	78	BEER+ PARTIAL WIDTH	
028	NI	058	(N,G)	YD	2.5- 2		GER	EXPT	ZP/A	338	397	91	ULBIG+ LIFE & PARTIAL RATIO	
028	NI	058	(P,G)	AD	4. + 6	5.7+ 6	USA	EXPT	NP/A	236	523	74	RIOS+ SIGMA CURVE	+
028	NI	058	(P,G)	AD	6.2+ 6	6.9+ 6		EXPT	CJP	60	959	82	SZOEGHY+	
028	NI	058	(P,G)	CS	8.6+ 5	1.8+ 6	USA	EXPT	PR	108	1473	57	BUTLER+ SIGMA TBL	+
028	NI	058	(P,G)	CS	8. + 6	2.2+ 7	USA	EXPT	NP/A	203	257	73	DRAKE+ INTEGRAT.SIGMA CURVE	+
028	NI	058	(P,G)	CS	1. + 6	5. + 6		EXPT	CJP	58	1677	80	CHENG+	
028	NI	058	(P,G)	CS	1.2+ 6	4.2+ 6	AUL	EXPT	NP/A	439	371	85	TNGWELL+ SIGMA CURVE	+
028	NI	058	(P,G)	DD	2.1+ 6	3.5+ 6	CCP	EXPT	IZV	47	2191	83	SIGALOV+	
028	NI	058	(P,G)	ED	7.5+ 5	5.0+ 6	SAR	EXPT	PR/C	31	800	85	DIN+ DECAY GAMMA	
028	NI	058	(P,G)	XX	1.4+ 6	1.8+ 6	NRL	EXPT	PR	130	1078	63	BONDELID+ RESONANCE ENERGY	
028	NI	058	(P,G)	YD	1.8+ 6	4.3+ 6	AUL	EXPT	NP	19	184	60	CARVER+ RESONANCE PARAM.	
028	NI	058	(P,G)	YD	1.4+ 6		WIS	EXPT	NP/A	51	113	64	COSTELLO+ G-RAY YIELD CURVE	
028	NI	058	(P,G)	YD	1.1+ 6	1.9+ 6	USA	EXPT	NP/A	112	32	68	TREADO+ GAMMA YIELD	
028	NI	058	(P,G)	YD	3.5+ 6	3.5+ 6	GER	EXPT	NP/A	245	133	75	KLAPDOR+ GAMMA TRANSIT.	
028	NI	058	(P,G)	YD	9. + 5	2.3+ 6	CAN	EXPT	NP/A	246	457	75	TRENTELMAN+ CU-59 LEVEL	

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

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

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

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
029	CU	000	(G,A)	ED	2.1+ 7	3.0+ 7	YUG	EXPT	NP	43	170	63	KREGAR+ 90DEG.ALPHA SPECTRA	
029	CU	000	(G,A)	ED		3.3+ 7	GER	EXPT	NP/A	56	113	64	SCHEER+ ALPHA SPECTRUM	
029	CU	000	(G,A)	ED		3.5+ 7	ITY	EXPT	NP/A	61	316	65	MENEGHETTI+ ALPHA SPECTRUM	
029	CU	000	(G,A)	YD	2.2+ 7		USA	EXPT	PR	111	561	58	ELAINE+ RELATIV.YIELD	
029	CU	000	(G,ABSORPTION)	CS	6.4+ 6		ISL	EXPT	NP/A	252	423	75	MOREH+ ATTENUAT. COEFF.	+
029	CU	000	(G,ABSORPTION)	CS	3.2+ 4	1.5+ 5	IND	EXPT	CJP	59	22	81	PUTTASWAMY+ TOT.ATTENUAT.SIGMA	+
029	CU	000	(G,ABSORPTION)	CS	5.0+ 3	1.5+ 5	IND	EXPT	CJP	59	853	81	PUTTASWAMY+ K-SHELL PHOTOELECTRIC	+
029	CU	000	(G,ABSORPTION)	CS	2.4+ 8	3.3+ 8	SAC	EXPT	NP/A	431	573	84	CARLOS+ 2PT./SIGMA PLOT	
029	CU	000	(G,D)	YD	2.4+ 7	4.0+ 7	PEN	EXPT	PR	134	B113	64	SHANNON+ D/P YIELD RATIO	
029	CU	000	(G,D)	YD	2.0+ 7	8.0+ 7	CCP	EXPT	SNP	3	198	66	VOLKOV+ REACTION YIELD	
029	CU	000	(G,E)	CS	3.2+ 5		IND	EXPT	CJP	55	1592	77	RANGANATHALAH+ K-SHELL PHOTOSIGMA	+
029	CU	000	(G,ELASTIC)	AD	1.1+ 7	1.3+ 7	IND	EXPT	NP/A	149	49	70	BASAVARAJU+ DIFF.SIGMA VALUE	+
029	CU	000	(G,ELASTIC)	CS	1.2+ 6	1.3+ 6	CAN	EXPT	CJP	40	622	62	STANDING+ CO-60 G-SOURCE,SIGMA TBL	+
029	CU	000	(G,F)	CS	3.0+ 8	9.0+ 8	SWD	EXPT	NP/A	167	97	71	METHASIRI+ SIGMA PLOT & TABLE	+
029	CU	000	(G,F)	CS	5.8+ 8		CAN	EXPT	ZP/A	279	331	76	KIELY+ FISSION SIGMA VALUE	+
029	CU	000	(G,G)		3.4+ 5	1.4+ 6	AML	EXPT	NIM	A255	75	87	CHIWATTANAGORN+	+
029	CU	000	(G,G)		3.4+ 5	1.4+ 6		EXPT	NIM	A255	78	87	DOW+	
029	CU	000	(G,G)	AD	2.8+ 5	1.3+ 6	IND	EXPT	NP/A	57	547	64	NATH+ DIFF.SIGMA PLOT	+
029	CU	000	(G,G)	AD	4.7+ 5		IDF	EXPT	PR/C	24	1765	81	BARROS+ RAYLEIGH DIFF.SCAT.SIGMA	+
029	CU	000	(G,G)	CS	2.8+ 5	6.6+ 5		EXPT	NP/A	80	93	66	ANAND+ SIGMA CURVE	+
029	CU	000	(G,G)	XX	1.3+ 6		SAF	EXPT	PR	129	361	63	MOUTON+ NUCL.RESONANT SCATT.	
029	CU	000	(G,G)	YD	6.1+ 6	8.5+ 6	ITY	EXPT	NP/A	101	145	67	GIANNINI+ LEVEL WIDTH	
029	CU	000	(G,INELASTIC)	AD	1.5+ 7	3.5+ 7	USA	EXPT	PR	116	120	59	PENFOLD+ 135DEG.DIFF.SIGMA CURVE	+
029	CU	000	(G,INELASTIC)	ED	6.2+ 9		GER	EXPT	ZP	212	235	68	BRANDES 2ND PHOTON SPECTRUM	
029	CU	000	(G,MESON)	YD	1.2+ 9		COR	EXPT	PR	133	B1200	64	SADOFF+ MESON PHOTOPRODUCTION	
029	CU	000	(G,N)	AD	2.2+ 7		SAS	EXPT	CJP	39	1158	61	BAKER+ ANGL.DIFF.SIGMA	+
029	CU	000	(G,N)	AD	NDG		GER	THEO	ZP	179	256	64	HEISS DIFF.SIGMA	+
029	CU	000	(G,N)	CS		2.0+ 7	SAC	EXPT	NP	32	236	62	MILLER+ INTEGRAT.SIGMA VALUE	+
029	CU	000	(G,N)	CS	1.0+ 7	2.8+ 7	LRL	EXPT	PR	133	B1149	64	FULTZ+ SIGMA CURVE/INTEG.SIGMA	+
029	CU	000	(G,N)	CS	1.0+ 7	3.1+ 7	ITY	EXPT	NP/A	67	178	65	BACIU+ SIGMA TABLE	+
029	CU	000	(G,N)	ED	7.0+ 7		CAN	EXPT	CJP	33	785	55	DIXON ENERGY & ANGL.DISTRIBUTION	
029	CU	000	(G,N)	ED	7.0+ 8	1.2+ 9	CCP	EXPT	SNP	13	265	71	ANTUF'EV+ DEUTERON SPECT.	
029	CU	000	(G,N)	YD	2.5- 2	1.0+ 4	YAL	EXPT	PR	137	B1175	65	WASSON+ GAMMA INTENSITY	
029	CU	000	(G,P)	AD		4.0+ 8	SWD	EXPT	ZP	265	1	73	DOUGAN+ DIFF.SIGMA TABLE	+
029	CU	000	(G,P)	CS	1.8+ 7		SWD	EXPT	ZP/A	272	77	75	WENE SIGMA PLOT	+
029	CU	000	(G,P)	CS		3.0+ 8		EXPT	PR/C	25	2269	82	SCHUMACHER+	
029	CU	000	(G,P)	DD	4.0+ 7	4.0+ 8	ORL	THEO	PR/C	13	240	76	GABRIEL PHOTOPROTON SIGMA	+
029	CU	000	(G,P)	ED	7.0+ 7		CAN	EXPT	CJP	34	1480	56	DAWSON ENERGY & ANGL.DISTRIBUTION	
029	CU	000	(G,P)	ED	7.0+ 8	1.2+ 9	CCP	EXPT	SNP	13	265	71	ANTUF'EV+ DEUTERON SPECT.	
029	CU	000	(G,P)	ED	4.0+ 8		SWD	THEO	ZP	269	105	74	DOUGAN+ CAL.SIGMA CURVE	+
029	CU	000	(G,P)	XX		3.4+ 8	MIT	EXPT	PR	99	1621	55	WEINSTEIN+ P-P COINCIDENCE	
029	CU	000	(G,PION +)	AD	5.5+ 8		STF	EXPT	PR	105	1840	57	WILLIAMS+ Z-DEPEND.OF PION PRODUCT	+
029	CU	000	(G,PION +)	YD		3.4+ 8	LRL	EXPT	PR	108	1040	57	1MHOF+ POSITV.PION PRODUCT.	+
029	CU	000	(G,PION)	CS	1.0+ 9		COR	EXPT	PR	123	1423	61	MCCLELLAND CHARGED MESON PRODUCT.	+
029	CU	000	(G,PION)	CS	5.0+ 8		CCP	EXPT	SNP	14	20	72	GRISHAEV+ SIGMA TBL	+
029	CU	000	(G,PION)	YD	1.7+ 8		USA	EXPT	PR	127	1772	62	SCHRACK+ MESON PRODUCTION	
029	CU	000	(G,PION 0)	AD	3.0+ 8	4.5+ 8	CCP	EXPT	SNP	53	379	91	BLEOUSOV+ DIFF.SIGMA TABLE	+
029	CU	000	(G,SCATTERING)	AD	1.4+ 5		IND	EXPT	NIM	131	163	75	ROY+ COHERENT SCATT.SIGMA CURVE	+
029	CU	000	(G,SCATTERING)	CS	5. + 5	3.0+ 6	MIT	EXPT	PR	100	192	55	BURKHARDT 90DEG.SIGMA CURVE	+
029	CU	000	(G,SCATTERING)	CS	5.0+ 7	1.3+ 8	MIT	EXPT	PR	105	982	57	PUGH+ SIGMA CURVE	+
029	CU	000	(G,SCATTERING)	CS	3.0+ 5	1.3+ 6	IND	THEO	NSE	85	426	83	UMESH+ INCOHERENT SCTT.SIGMA TBL	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
029	CU	000	(G,TOTAL)	CS	6.6+ 8		NBS	EXPT	PR	115	351	59	TITUS TOT.PHOTOELECTRIC SIGMA	+
029	CU	000	(G,TOTAL)	CS	3.0+ 4	1.8+ 7	IND	EVAL	NSE	51	337	73	RAMANA+ SIGMA CURVE	+
029	CU	000	(G,X)	CS	3.0+ 8	5.0+ 8	CCP	EVAL	SNP	44	364	86	AVAKYAN+ PRODUCT YIELD SIGMA	+
029	CU	000	(G,X)	XX		4.5+ 7	USA	THEO	NP	27	234	61	HO+ YIELD RATIO,(G,D)/(G,P)	
029	CU	000	(G,X)	YD	8.0+ 8		SWD	EXPT	ZP/A	281	47	77	JAERUND+ RECOIL ENERG. OF FRAGMENT	
029	CU	000	(E,ABSORPTION)	XX	3.4+ 6	1.9+ 7	UI	EXPT	PR	115	633	59	HALL+ ENERGY LOSS	
029	CU	000	(E,ABSORPTION)	XX	5.3+ 7	9.3+ 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	1.0+ 8	USA	EXPT	PR/C	9	1418	74	O'BRIEN+ IONIZATION LOSS	
029	CU	000	(E,N)	YD	1.0+ 7	3.6+ 7	STF	EXPT	PR	116	1551	59	BARBER+ NEUTRON YIELD	+
029	CU	000	(E,P)	AD	1. +12	4. +12	HRV	EXPT	PR	135	B1030	64	CHEN+ DIFF.SIGMA TBL	+
029	CU	000	(E,SCATTERING)	AD	1.5+ 7	9.0+ 7	MIT	THEO	PR	98	1360	55	GLASSGOLD CAL.SIGMA CURVE	+
029	CU	000	(E,SCATTERING)	ED	1. + 6		GER	EXPT	ZP	196	285	66	BRAUNSCHWEIG+ 30DEG.SCATT.	
029	CU	000	(E,SCATTERING)	YD	NDG		GER	THEO	ZP	179	116	64	THUEMMEL BACKSCATT.SIGMA	+
029	CU	000	(E,X)	AD	5.8+ 6		GER	EXPT	ZP	239	437	70	FEIST+ PAIR PRODUCT. SIGMA	+
029	CU	000	(E,X)	CS	5.5+ 6	3.2+ 7	GER	THEO	ZP	215	1	68	LOENS PAIR PRODUCT.SIGMA	
029	CU	000	(N,G)	CS	PILE		USA	EXPT	NSE	7	184	60	DONAHUE+ SIGMA VALUE	+
029	CU	000	(N,G)	CS	1.4+ 7		YUG	EXPT	NP/A	158	251	70	CVELBAR+ ACTIVATION SIGMA	+
029	CU	000	(N,G)	YD	2.5- 2		DDR	EXPT	NP/A	71	221	65	RUDOLPH+ GAMMA INTENSITY	
029	CU	000	(N,G)	YD	2.5- 2		CSR	EXPT	NP/A	68	449	65	KOPECKY+ POLARIZATION OF GAMMA	
029	CU	000	(N,G)	YD	2.0+ 2	1.7+ 4	GEL	EXPT	ZP	213	411	6	WEIGMANN+ RES.PARAMETER	
029	CU	000	(N,G)	YD		7.0+ 2	SAC	EXPT	NP/A	135	241	6	ALVES+ GAMMA INTENSITY	
029	CU	000	(P,G)	CS	1.5+ 6	1.1+ 7	SWD	EXPT	ZP	266	245	74	AKSELSSON+ K X-RAY YIELD	+
029	CU	063	(G,A)	CS	2.3+ 7		CCP	EXPT	SNP	53	9	91	ANTONOV+ INTEGRAT.SIGMA VALUE	+
029	CU	063	(G,DISINTEGR.)	CS	1.2+ 7	2.2+ 7	UI	EXPT	PR	100	209	55	SCOTT+ SIGMA CURVE	+
029	CU	063	(G,G)	CS	1.5+ 6	4.7+ 6	BAR	EXPT	PR/C	13	1104	76	SWANN CU-63 LEVELS	
029	CU	063	(G,G)	XX	6.7+ 5	9.6+ 5	BNL	EXPT	PR	120	2128	60	CUMMING+ LEVEL LIFETIME	
029	CU	063	(G,G)	YD	5. + 5	3.0+ 6	USA	EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	
029	CU	063	(G,G)	YD	8. + 5	3.0+ 6	USA	EXPT	NP/A	116	281	68	ALSTON+ TRANSITION STRENGTH	
029	CU	063	(G,N)	CS	4.4+ 5	1.8+ 7	AUL	EXPT	NP	23	468	61	COOTE+ SIGMA VALUE	+
029	CU	063	(G,N)	CS	2.1+ 7		PEN	EXPT	PR	126	709	62	BIANCO+ ACTIVATION SIGMA VALUE	+
029	CU	063	(G,N)	CS	1.0+ 7	2.8+ 7	LRL	EXPT	PR	133	B1149	64	FULTZ+ SIGMA CURVE/INTEG.SIGMA	+
029	CU	063	(G,N)	CS	1.0+ 7	2.6+ 7	USA	EXPT	PR	176	1366	68	SUND+ SIGMA MEASURED	+
029	CU	063	(G,N)	CS	1.1+ 7	2.3+ 7	AUL	EXPT	NP/A	122	177	68	OWEN+ SIGMA CURVE	+
029	CU	063	(G,N)	CS	9. + 6	3.3+ 7	GER	EXPT	NP/A	181	477	72	DREYER+ SIGMA CURVE,INTEGRAT.SIGMA	+
029	CU	063	(G,N)	CS	NDG		BZL	EVAL	NP/A	244	205	75	WOLYNEC+ PHOTO./ELECTRODISINT.	
029	CU	063	(G,N)	CS	1.2+ 7	2.5+ 7		EXPT	YF	30	294	79	LZHILAVJAN+ MONO.GAM.,2CRY.SCIN	
029	CU	063	(G,N)	YD		2.2+ 7	USA	EXPT	PR	111	1297	58	BENDEL+ THRESHOLD ENERGY	
029	CU	063	(G,N)	YD		2.5+ 7	USA	EXPT	PR	115	420	59	PENFOLD+ REACTION ENERGY	
029	CU	063	(G,P)	AD	4.5+ 9		CCP	EXPT	NP/A	367	429	81	ALANAKYAN+ DIFF.SIGMA CURVE	+
029	CU	063	(G,P)	CS	1.8+ 7		SWD	EXPT	ZP/A	272	77	75	WENE SIGMA PLOT	+
029	CU	063	(G,PN)	CS	1.6+ 7	2.5+ 7	USA	EXPT	PR	176	1366	68	SUND+ SIGMA MEASURED	+
029	CU	063	(G,X)	CS	5.5+ 7	8.5+ 7	MRY	THEO	PR/C	16	1812	77	WU+ PRE-EQUILIBRIUM ANALYSES	
029	CU	063	(G,X)	CS	4.5+ 9		CCP	EXPT	SNP	49	573	89	ARAKELYAN+ DEDUCED PRODUCT.SIGMA	+
029	CU	063	(G,X)	XX	3.0+ 8	1.2+ 9	CCP	EXPT	SNP	19	484	74	NOGA+ PHOTO/ELECTRODISINT. RATIO	
029	CU	063	(G,X)	YD	3.0+ 7	5.0+ 7	USA	EXPT	NP/A	110	463	68	RITTER+ YIELD CURVE	
029	CU	063	(G,2N)	CS	1.9+ 7	2.6+ 7	USA	EXPT	PR	176	1366	68	SUND+ SIGMA MEASURED	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
029	CU	063	(G,2N)	CS	1.6+ 7	3.9+ 7	BZL	EXPT	PR/C	11	1083	75	WOLYNEC+ SIGMA RATIO	
029	CU	063	(E,A)	AD	1.0+ 8		SAS	EXPT	PR/C	18	736	78	MURPHY+ ELECTRO ALPHA PRODUCTION	+
029	CU	063	(E,DISINTEGR.)	CS	1.2+ 7	2.2+ 7	UI	EXPT	PR	100	209	55	SCOTT+ SIGMA CURVE	+
029	CU	063	(E,DISINTEGR.)	YD	3.0+ 7	8.2+ 7	USA	EXPT	PR	105	1534	57	HINES F VALUE CURVE	
029	CU	063	(E,INELASTIC)	CS	2.0+ 7	3.0+ 7	GER	EXPT	NP/A	195	559	72	KUHL+ SIGMA CURVE	+
029	CU	063	(E,INELASTIC)	CS	NDG		GER	EVAL	ZP/A	281	35	77	KNEISSL+ SIGMA CURVE COMPARE.CAL.	+
029	CU	063	(E,INELASTIC)	XX	1.8+ 8	6.0+ 8	STF	EXPT	PR	130	245	63	KENDALL+ FORM FACTOR	
029	CU	063	(E,INELASTIC)	YD	1.0+ 8	2.2+ 8	TOH	EXPT	PR/C	33	1917	86	KAWAZOE+ ELECTROEXCIT. OF GMR	
029	CU	063	(E,P)	AD	1.1+ 7	2.8+ 7	TOH	EXPT	NP/A	457	109	86	MIYASE+ ANGULAR DIST. CURVE	+
029	CU	063	(E,SCATTERING)	YD	7.0+ 7	1.5+ 8	SAS	EXPT	CJP	66	182	88	RANGACHARYULU+ FORM FACTOR	
029	CU	063	(E,X)	CS	NDG		BZL	EVAL	NP/A	244	205	75	WOLYNEC+ X=EN,PHOTO./ELECTRODISINT	.
029	CU	063	(E,X)	XX	2.7+ 7		USA	EXPT	PR	139	B562	65	HERRING+ SIGMA RATIO	
029	CU	063	(E,X)	XX	3.0+ 8	1.2+ 9	CCP	EXPT	SNP	19	484	74	NOGA+ PHOTO/ELECTRODISINT. RATIO	
029	CU	063	(E,2N)	CS	1.6+ 7	3.9+ 7	BZL	EXPT	PR/C	11	1083	75	WOLYNEC+ SIGMA RATIO	
029	CU	063	(E,2N)	CS	1.4+ 7	3.4+ 7		EXPT	PR/C	26	1936	82	MARTINS+	
029	CU	063	(N,G)	CS	2.5+ 4		BLG	EXPT	NP	9	569	58	VERVIER SB-BE SOURCE,SIGMA TBL	+
029	CU	063	(N,G)	CS	2.5- 2		LAS	EXPT	PR	169	940	68	SHERA+ PARTIAL SIGMA TBL	+
029	CU	063	(N,G)	YD	PILE		ANL	EXPT	PR	123	629	61	TOIT+ LIFETIME OF LEVEL	
029	CU	063	(N,G)	YD	NDG		CCP	EXPT	NIM	22	125	63	SUMBAYEV+ GAMMA INTENSITY	
029	CU	063	(N,G)	YD	2.5- 2		CRC	EXPT	NP/A	50	209	64	BARTHOLOMEW+ LEVEL SPIN	
029	CU	063	(N,G)	YD	2.5- 2		NED	EXPT	NP/A	102	209	67	SPILLING+ Q-VALUE	
029	CU	063	(N,G)	YD	1.0+ 4	6.0+ 4	AUL	EXPT	NP/A	111	1	68	ALLEN GAMMA INTENSITY	
029	CU	063	(N,G)	YD	2.5- 2		DEN	EXPT	NP/A	127	385	69	KOPECKY+ LEVEL SPIN	
029	CU	063	(N,G)	YD	5.8+ 2	2.7+ 3	LAS	EXPT	PR/C	1	1468	70	STEIN+ GAMMA-RAY SPECTRA	
029	CU	063	(N,G)	YD	5. + 3	5. + 5	ALB	EXPT	PR/C	15	615	77	PANDEY+ RES. PARAM.	
029	CU	063	(P,G)	CS	8. + 6	2.2+ 7	USA	EXPT	NP/A	203	257	73	DRAKE+ INTEGRAT.SIGMA CURVE	+
029	CU	063	(P,G)	CS	1.2+ 6	4.6+ 6	AML	EXTH	AUJ	31	253	78	SWITKOWSKI+ OMP & WIGNER CUP	+
029	CU	063	(P,G)	CS	1.2+ 6	2.2+ 6	CCP	EXPT	UFZ	28	332	83	NEMASHKALO+	
029	CU	063	(P,G)	CS	1.1+ 6	4.7+ 6	AML	EXPT	AJP	36	463	83	SEVIOR+ SIGMA CURV	
029	CU	063	(P,G)	CS	NDG		CCP	EXPT	SNP	52	586	90	KUPTSOV+ PARTIAL SIGMA CURVE	+
029	CU	063	(P,G)	ED	2.1+ 6	3.1+ 6		EXPT	NP/A	343	197	80	ERLANDSSON+ STRENGTH FUNCT.	
029	CU	063	(P,G)	XX	6.5+ 6	1.1+ 7	GER	EXPT	ZP/A	325	55	86	SZEFLINSKI+ SPECTROSCOPIC DATA	
029	CU	063	(P,G)	YD	2.3+ 6	2.7+ 6	USA	EXPT	NP/A	233	9	74	WIMPEY+ RESONANCE WIDTH	
029	CU	065	(G,A)	CS	2.5+ 7		CCP	EXPT	SNP	51	193	90	ANTONOV+ INTEGRAT.SIGMA	+
029	CU	065	(G,G)	CS	1.5+ 6	4.7+ 6	BAR	EXPT	PR/C	13	1104	76	SWANN CU-65 LEVELS	
029	CU	065	(G,G)	XX	1.1+ 6		ANL	EXPT	PR	135	B577	64	BEARD RES.FLUORESC.	
029	CU	065	(G,G)	YD	5. + 5	3.0+ 6	USA	EXPT	NP/A	57	403	64	BOOTH+ RESONANCE FLUORESCENCE	
029	CU	065	(G,G)	YD	1.1+ 6		USA	EXPT	PR	171	1257	68	METZER RESONANCE FLUORESC.	
029	CU	065	(G,G)	YD	6.4+ 6	7.9+ 6	ISL	EXPT	NP/A	227	373	74	WOLF+ RES. PARAM.	
029	CU	065	(G,N)	CS	4.4+ 5	1.8+ 7	AUL	EXPT	NP	23	468	61	COOTE+ SIGMA VALUE	+
029	CU	065	(G,N)	CS	1.0+ 7	2.8+ 7	LRL	EXPT	PR	133	B1149	64	FULTZ+ SIGMA CURVE/INTEG.SIGMA	+
029	CU	065	(G,N)	CS	1.6+ 7	3.9+ 7	BZL	EXPT	PR/C	11	1083	75	WOLYNEC+ SIGMA RATIO	
029	CU	065	(G,N)	YD		2.2+ 7	USA	EXPT	PR	111	1297	58	BENDEL+ THRESHOLD ENERGY	
029	CU	065	(G,PION +)	CS	1.2+ 9		SWD	EXPT	NP/A	162	193	71	BLOMQVIST+ PI+ PRODUCT.SIGMA CURV	+
029	CU	065	(G,PION +)	YD	4.5+ 9		CCP	EXPT	SNP	51	997	90	ARAKELYAN+ RELATIV.YIELD	
029	CU	065	(G,X)	CS	4.5+ 9		CCP	EXPT	SNP	49	573	89	ARAKELYAN+ SPALLAT.PRODUCT.SIGMA	+
029	CU	065	(G,X)	XX	3.0+ 8	1.2+ 9	CCP	EXPT	SNP	19	484	74	NOGA+ PHOTO/ELECTRODISINT. RATIO	
029	CU	065	(G,X)	YD	4.5+ 9		CCP	EXPT	SNP	52	773	90	ARAKELYAN+ PHOTOSPALLATION	

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

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

ELEMENT Z S A	QUANTITY	ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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+ DIF 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+	
030 ZN 064	(P,G) CS	8. + 6	2.2+ 7	ORL	EXPT	PR	100	206	55	COHEN SIGMA TBL	+
030 ZN 064	(P,G) CS	8. + 6	2.2+ 7	USA	EXPT	NP/A	203	257	73	DRAKE+ INTEGRAT.SIGMA CURVE	+
030 ZN 064	(P,G) DD	2.9+ 6	3.0+ 6		EXPT	CJP	57	733	79	RANGACHARYULU+ GAM.DECAY SCHEME	
030 ZN 064	(D,G) CS	3.5+ 6	4.5+ 6	HAR	EXPT	NP	11	400	59	CARVER+ SIGMA CURVE	+
030 ZN 064	(H,G) CS	9. + 6	1.6+ 7	CAN	EXPT	NP/A	127	305	69	RUDDY+ SIGMA VALUE	+
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+	
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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
030 ZN 068	(P,G	) AD	2.0+ 6	4.0+ 6	ATH	EXPT	PR/C	24	398	81	PARADELLIS+ LEVELS	
030 ZN 068	(P,G	) CS	3.2+ 6	3.8+ 6		EXPT	PR/C	17	1583	78	RAMAVATARAM+ GA-69 RES.	
030 ZN 068	(P,G	) CS	1.7+ 6	5.0+ 6	USA	EXTH	PR/C	23	1822	81	ESAT+ ABSOLUTE SIGMA	+
030 ZN 068	(P,G	) ED	2.2+ 6	3.6+ 6	LND	EXPT	NP/A	401	460	83	NILSON+ STRENGTH FUNC. TBL	
030 ZN 070	(E,ELASTIC	) AD	NDG		NBS	EXPT	PR/C	5	124	72	NEUHAUSEN+ DIFF.SIGMA TBL	+

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

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
032	GE	000	(G,A)	ED	3.3+ 7		GER	EXPT	NP/A	118	25	68	KRAFT+ ALPHA SPECTRA	
032	GE	000	(G,ABSORPTION)	CS	6.4+ 6		ISL	EXPT	NP/A	252	423	75	MOREH+ ATTENUAT. COEFF.	+
032	GE	000	(E,ABSORPTION)	XX	NDG		GER	EXPT	ZP	218	352	69	MEYER-EHMSEN+ ABSORPT. BY CRYSTAL	
032	GE	000	(E,SCATTERING)	ED	NDG		GER	EXPT	ZP	171	436	63	CREUZBURG+ SCATT. BY CRYSTAL	
032	GE	000	(E,SCATTERING)	YD	2.0+ 4	6.0+ 4	GER	EXPT	ZP	184	271	65	BRUENGER+ DIFF.SIGMA	
032	GE	000	(E,X)	ED	5.0+ 4		GER	EXPT	ZP	193	471	66	ZEPPENFELD+ ENERGY-LOSS SPECTRUM	
032	GE	000	(N,G)	ED	NDG		GER	EXPT	ZP	251	105	72	WEISHAUPT+ GAMMA INTENSITY	
032	GE	070	(G,D)	CS		3.1+ 7	ITY	EXPT	NP	15	436	60	FERRERO+ SIGMA CURVE	+
032	GE	070	(G,N)	CS		3.1+ 7	ITY	EXPT	NP	15	436	60	FERRERO+ SIGMA CURVE	+
032	GE	070	(G,N)	CS	9. + 6	4.0+ 7	IOW	EXPT	PR/C	11	772	75	MCCARTHY+ SIGMA CURVE & TBL	+
032	GE	070	(G,NP)	CS		3.1+ 7	ITY	EXPT	NP	15	436	60	FERRERO+ SIGMA CURVE	+
032	GE	070	(G,NP)	CS	9.0+ 6	4.0+ 7	USA	EXPT	NP/A	213	371	73	MCCARTHY+ SIGMA CURVE	+
032	GE	070	(G,X)	CS		3.1+ 7	ITY	EXPT	NP	15	436	60	FERRERO+ X=T+N,SIGMA CURVE	+
032	GE	070	(E,ELASTIC)	AD	2.3+ 8		CCP	EXPT	SNP	51	17	90	KHOMICH+ DIFF.SIGMA TABLE	+
032	GE	070	(E,SCATTERING)	AD	8.4+ 7	1.2+ 8	UMA	EXPT	NP/A	255	435	75	KLINE+ SIGMA TABLE	+
032	GE	070	(N,G)	YD	2.5- 2		CCP	EVAL	SNP	18	246	74	MURZIN+ EXCITED STATES	
032	GE	070	(P,G)	ED	6.2+ 6	8.0+ 6		EXPT	NP/A	323	253	79	SZEFLINSKA+ E1-GAM STRENG.FUNCT	
032	GE	072	(G,G)	YD	8.4+ 5		USA	EXPT	PR	101	286	56	METZGER RESONANCE FLUORESCENCE	
032	GE	072	(G,N)	CS	9. + 6	4.0+ 7	IOW	EXPT	PR/C	11	772	75	MCCARTHY+ SIGMA CURVE & TBL	+
032	GE	072	(G,NP)	CS	9.0+ 6	4.0+ 7	USA	EXPT	NP/A	213	371	73	MCCARTHY+ SIGMA CURVE	+
032	GE	072	(E,ELASTIC)	AD	2.3+ 8		CCP	EXPT	SNP	51	17	90	KHOMICH+ DIFF.SIGMA TABLE	+
032	GE	072	(E,SCATTERING)	AD	8.4+ 7	1.2+ 8	UMA	EXPT	NP/A	255	435	75	KLINE+ SIGMA TABLE	+
032	GE	072	(P,G)	ED	6.2+ 6	8.0+ 6		EXPT	NP/A	323	253	79	SZEFLINSKA+ E1-GAM STRENG.FUNCT	
032	GE	073	(G,N)	YD		2.2+ 7	USA	EXPT	PR	110	1388	58	TOBIN+ PHOTONEUTRON THRESHOLD	
032	GE	073	(N,G)	YD	PILE		KFK	EXPT	ZP	192	423	66	WEITKAMP+ GE-74 LEVEL	
032	GE	073	(N,G)	YD	2.5- 2		ANL	EXPT	PR	183	927	69	MAGRUDER+ GE-74 LEVEL	
032	GE	073	(N,G)	YD		4.0+ 2	BNL	EXPT	PR/C	9	1839	74	CHRIEN+ GE-74 LEVELS	
032	GE	074	(G,G)	YD	6.0+ 5		USA	EXPT	PR	101	286	56	METZGER RESONANCE FLUORESCENCE	
032	GE	074	(G,G)	YD	6.0+ 5	6.0+ 6	ISL	EXPT	PR/C	2	2217	70	MOREH+ GE-74 LEVEL	
032	GE	074	(G,N)	CS	9. + 6	4.0+ 7	IOW	EXPT	PR/C	11	772	75	MCCARTHY+ SIGMA CURVE & TBL	+
032	GE	074	(G,NP)	CS	9.0+ 6	4.0+ 7	USA	EXPT	NP/A	213	371	73	MCCARTHY+ SIGMA CURVE	+
032	GE	074	(G,P)	CS	9.0+ 6	4.0+ 7	USA	EXPT	NP/A	213	371	73	MCCARTHY+ SIGMA CURVE	+
032	GE	074	(E,ELASTIC)	AD	2.3+ 8		CCP	EXPT	SNP	51	17	90	KHOMICH+ DIFF.SIGMA TABLE	+
032	GE	074	(N,G)	CS	2.5- 2		BNL	EXPT	PR	108	766	57	DER MATEOSIAN+ ACTIVAT.SIGMA	+
032	GE	074	(N,G)	CS	2.5+ 4		IND	EXPT	PR/C	6	572	72	LAKSHMANA+ ISOMERIC SIGMA	+
032	GE	074	(N,G)	CS	NDG		CAN	EVAL	CJP	50	1978	72	RICABARRA+ RES.INTEGRAL	+
032	GE	074	(P,G)	ED	6.2+ 6	8.0+ 6		EXPT	NP/A	323	253	79	SZEFLINSKA+ E1-GAM STRENG.FUNCT	
032	GE	074	(P,G)	YD	2.5+ 6		CHF	EXPT	PR/C	9	1396	74	WANG+ AS-75 LEVELS	
032	GE	076	(G,A)	CS	2.5+ 7		CCP	EXPT	SNP	51	193	90	ANTONOV+ INTEGRAT.SIGMA	+

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

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

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
034 SE 000	(G,A)	DD		3.3+ 7	GER	EXPT	ZP	192	502	66	WENDLING+ DOUBL.DIFF.SIGMA CURVE	+
034 SE 000	(G,F)	CS	5.8+ 8		CAN	EXPT	ZP/A	279	331	76	KIELY+ FISSION SIGMA VALUE	+
034 SE 000	(G,INELASTIC)	AD	1.2+ 7	3.0+ 7	GER	EXPT	NP/A	147	305	70	ARENHOEVEL+ 150DEG.DIFF.SIGMA	+
034 SE 000	(G,INELASTIC)	CS	1.2+ 7	3.0+ 7	GER	EXPT	NP/A	147	305	70	ARENHOEVEL+ TOTAL ABSORP.SIGMA	+
034 SE 000	(N,G)	CS	1.4+ 7		YUG	EXPT	NP/A	158	251	70	CVELBAR+ ACTIVATION SIGMA	+
034 SE 000	(N,G)	YD	5.2+ 1	7.1+ 3	ANL	EXPT	PR	136	B703	64	COTE+ NEUTRON RES.PARAM.	
034 SE 073M	(E,INELASTIC)	CS		3. + 3	CCP	THEO	SNP	48	827	88	ARUTYUNYAN+ TRANSITION SIGMA	+
034 SE 074	(G,N)		2.2+ 6			EXPT	SJA	58	56	85	DAVYDOV+	+
034 SE 074	(G,N)	CS		1.5+ 7		EXPT	YF	35	257	82	FAM ZUI FIEN+ ISOMER RATIO	
034 SE 074	(E,E)		2.3+ 8			EXPT	SNP	47	191	87	KHOMICH+	
034 SE 074	(E,ELASTIC)	AD	2.3+ 8		CCP	EXPT	SNP	47	191	88	KHOMICH+ DIFF.SIGMA	+
034 SE 074	(N,G)	YD	1.0+ 4	2.0+ 4	CCP	EXPT	SNP	9	655	69	MALECKI+ RES.PARAM.	
034 SE 074	(N,G)	YD	2.5- 2		CCP	EXPT	SNP	11	627	70	RUDAK+ GAMMA ENERGY & INTENSITY	
034 SE 074	(N,G)	YD	2.5- 2	2.7+ 2	BNL	EXPT	NP/A	372	125	81	ENGLER+ RES. CAPT. GAMMA TRANSIT.	
034 SE 076	(G,ABSORPTION)	CS	1.2+ 7	2.4+ 7	GER	THEO	NP/A	91	145	67	ARENHOEVEL+ SIGMA CURVE	+
034 SE 076	(G,G)	XX	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)	AD	2.3+ 8		CCP	EXPT	SNP	47	191	88	KHOMICH+ DIFF.SIGMA	+
034 SE 076	(N,G)	YD	1.0+ 4	2.0+ 4	CCP	EXPT	SNP	9	655	69	MALECKI+ RES.PARAM.	
034 SE 076	(N,G)	YD	2.5- 2		CCP	EVAL	SNP	18	246	74	MURZIN+ EXCITED STATES	
034 SE 076	(N,G)	YD	2.5- 2	2.7+ 2	BNL	EXPT	NP/A	372	125	81	ENGLER+ RES. CAPT. GAMMA TRANSIT.	
034 SE 076	(N,G)	YD	2.5- 2		GER	EXPT	NP/A	439	427	85	TOKUNAGA+ SE-77 LEVEL	
034 SE 077	(G,INELASTIC)	CS	2.5+ 5	1.6+ 6	FR	EXPT	NP/A	137	520	69	BOIVIN+ ACTIVATION SIGMA	+
034 SE 077	(N,G)	YD	2.5- 2		GER	EXPT	ZP	178	173	64	ZEHENDER+ GAMMA TRANSITION	
034 SE 077	(N,G)	YD		4. + 3	CCP	EXPT	SNP	9	655	69	MALECKI+ RES.PARAM.	
034 SE 077	(N,G)	YD	2.5- 2	2.7+ 2	BNL	EXPT	NP/A	372	125	81	ENGLER+ RES. CAPT. GAMMA TRANSIT.	
034 SE 078	(E,E)		NDG		CCP	EXPT	BAS	51	958	85	KHOMICH+	
034 SE 078	(E,ELASTIC)	AD	2.3+ 8		CCP	EXPT	SNP	43	869	86	KHOMICH+ DIFF.SIGMA VALUES	+
034 SE 078	(E,ELASTIC)	AD	2.3+ 8		CCP	EXPT	SNP	47	191	88	KHOMICH+ DIFF.SIGMA	+
034 SE 078	(N,G)	CS	5.3+ 5	1.3+ 6	POL	EXPT	NP/A	357	1	81	HERMAN+ ACTIVATION SIGMA	+
034 SE 078	(N,G)	YD	1.0+ 4	2.0+ 4	CCP	EXPT	SNP	9	655	69	MALECKI+ RES.PARAM.	
034 SE 078	(N,G)	YD	2.5- 2		CCP	EVAL	SNP	18	246	74	MURZIN+ EXCITED STATES	
034 SE 078	(N,G)	YD	2.5- 2	2.7+ 2	BNL	EXPT	NP/A	372	125	81	ENGLER+ RES. CAPT. GAMMA TRANSIT.	
034 SE 080	(G,G)	YD	7.8+ 6		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
034 SE 080	(E,E	)	NDG		CCP	EXPT	BAS	51	958	85	KHOMICH+	
034 SE 080	(E,ELASTIC	) AD	2.3+ 8		CCP	EXPT	SNP	43	669	86	KHOMICH+ DIFF.SIGMA VALUES	+
034 SE 080	(E,ELASTIC	) AD	2.3+ 8		CCP	EXPT	SNP	47	191	88	KHOMICH+ DIFF.SIGMA	+
034 SE 080	(N,G	) CS	2.5+ 4		IND	EXPT	PR/C	6	572	72	LAKSHMANA+ ISOMERIC SIGMA	+
034 SE 080	(N,G	) CS	1. + 5	2.5+ 6	USA	EXPT	NP/A	213	349	73	CLARKE+ ISOMERIC RATIO	
034 SE 080	(N,G	) CS	5.3+ 5	1.3+ 6	POL	EXPT	NP/A	357	1	81	HERMAN+ ACTIVATION SIGMA	+
034 SE 080	(N,G	) YD	2.5- 2		ANL	EXPT	NP/A	60	241	64	BISHOP+ ISOMER RATIO	
034 SE 080	(N,G	) YD	1.0+ 4	2.0+ 4	CCP	EXPT	SNP	9	655	69	MALECKI+ RES.PARAM.	
034 SE 080	(N,G	) YD	2.5- 2		CCP	EVAL	SNP	18	246	74	MURZIN+ EXCITED STATES	
034 SE 080	(N,G	) YD	2.5- 2	2.7+ 2	BNL	EXPT	NP/A	372	125	81	ENGLER+ RES. CAPT. GAMMA TRANSIT.	
034 SE 082	(G,N	)	2.2+ 6			EXPT	SJA	58	56	85	DAVYDOV+	+
034 SE 082	(E,E	)	NDG		CCP	EXPT	BAS	51	958	85	KHOMICH+	
034 SE 082	(E,ELASTIC	) AD	2.3+ 8		CCP	EXPT	SNP	47	191	88	KHOMICH+ DIFF.SIGMA	+
034 SE 082	(N,G	) CS	5.3+ 5	1.3+ 6	POL	EXPT	NP/A	357	1	81	HERMAN+ ACTIVATION SIGMA	+
034 SE 082	(N,G	) YD	1.0+ 4	2.0+ 4	CCP	EXPT	SNP	9	655	69	MALECKI+ RES.PARAM.	
034 SE 082	(P,G	) CS	5. + 6	5.0+ 7	UK	EXPT	NP/A	119	673	68	DALY+ SIGMA CURVE	+

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
035 BR 000	(N,G	) CS	2. + 3	8. + 4	CCP	THEO	NP	45	156	63	NEMIROVSKY+ CAL.SIGMA CURVE	+
035 BR 000	(N,G	) CS	1.4+ 7		YUG	EXPT	NP/A	158	251	70	CVELBAR+ ACTIVATION SIGMA	+
035 BR 079	(G,G	) YD	3.1+ 5	8.3+ 5	GER	EXPT	NP/A	79	145	66	LANGHOFF+ BR-79 LEVEL	
035 BR 079	(N,G	) CS	1.3+ 5	1.8+ 6	ANL	EXPT	PR	133	B378	64	COX SIGMA CURVE	+
035 BR 079	(N,G	) CS	2.5- 2	3.1+ 6	HUN	EXPT	NP/A	67	443	65	BACSO+ ISOMERIC SIGMA RATIO	
035 BR 079	(N,G	) CS	2.5+ 4		IND	EXPT	PR/C	6	572	72	LAKSHMANA+ ISOMERIC SIGMA	+
035 BR 079	(N,G	) CS	1. + 5	2.5+ 6	USA	EXPT	NP/A	213	349	73	CLARKE+ ISOMERIC RATIO	
035 BR 079	(N,G	) CS	3. + 3	7.0+ 5	ORL	EXPT	NSE	99	133	88	MACKLIN AV.SIGMA TABLE	+
035 BR 081	(G,N	)	2.2+ 6			EXPT	SJA	58	56	85	DAVYDOV+	+
035 BR 081	(G,N	) XX	1.5+ 7	7.0+ 7	USA	EXPT	PR	105	1310	57	KING+ ISOMER RATIO	
035 BR 081	(N,G	) CS	1.3+ 5	1.8+ 6	ANL	EXPT	PR	133	B378	64	COX SIGMA CURVE	+
035 BR 081	(N,G	) CS	3. + 3	7.0+ 5	ORL	EXPT	NSE	99	133	88	MACKLIN AV.SIGMA TABLE	+

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
036 KR 000	(G,P	) CS	2.4+ 7	3.3+ 7	GER	EXPT	ZP	225	303	69	HOFMANN+ SIGMA CURVE & TABLE	+
036 KR 000	(E,ELASTIC	) YD	NDG		GER	THEO	ZP	229	299	69	WEISS SPIN POLARIZATION	
036 KR 000	(E,INELASTIC	) AD	NDG		STF	THEO	NP	43	242	63	GOLDEMBERG+ 180DEG.DIFF.SIGMA	+
036 KR 000	(E,SCATTERING	) AD	3.7+ 4	1.0+ 5	GER	EXPT	ZP	196	1	66	FINK+ DIFF.SIGMA	
036 KR 078	(N,G	) CS	2.5- 2		USA	EXPT	NP/A	120	329	68	KONDAIAH+ ACTIVAT.SIGMA/ISOMER R	+
036 KR 078	(N,G	) CS	3.0+ 3	2.4+ 5	KFK	EXPT	NSE	93	357	86	WALTER+ SIGMA TABLE	+
036 KR 080	(N,G	) CS	2.5- 2		USA	EXPT	NP/A	120	329	68	KONDAIAH+ ACTIVAT.SIGMA/ISOMER R	+
036 KR 080	(N,G	) CS	2.5- 2		USA	EXPT	NSE	47	151	72	BRADLEY+ SIGMA VALUE	+
036 KR 080	(N,G	) CS	3.0+ 3	2.4+ 5	KFK	EXPT	NSE	93	357	86	WALTER+ SIGMA TABLE	+
036 KR 082	(G,G	) CS	7.8+ 5		ANL	EXPT	PR	145	862	66	BEARD+ RESON.FULORESC,AVRAG.SIGMA	+
036 KR 082	(N,G	) CS	2.5- 2		USA	EXPT	NP/A	120	329	68	KONDAIAH+ ACTIVAT.SIGMA/ISOMER R	+
036 KR 082	(N,G	) CS	3.0+ 3	2.4+ 5	KFK	EXPT	NSE	93	357	86	WALTER+ SIGMA TABLE	+
036 KR 083	(N,G	) CS	3.0+ 3	2.4+ 5	KFK	EXPT	NSE	93	357	86	WALTER+ SIGMA TABLE	+
036 KR 084	(G,P	) CS	2.4+ 7	3.3+ 7	GER	EXPT	ZP	225	303	69	HOFMANN+ SIGMA CURVE & TABLE	+
036 KR 084	(N,G	) CS	2.5- 2		USA	EXPT	NP/A	120	329	68	KONDAIAH+ ACTIVAT.SIGMA/ISOMER R	+
036 KR 084	(N,G	) CS	3.0+ 3	2.4+ 5	KFK	EXPT	NSE	93	357	86	WALTER+ SIGMA TABLE	+
036 KR 085	(N,G	) CS	2.5- 2		ORL	EXPT	NSE	47	371	72	BEMIS+ SIGMA VALUE & RES.INTEGRAL	+
036 KR 086	(N,G	) CS	3.0+ 3	2.4+ 5	KFK	EXPT	NSE	93	357	86	WALTER+ SIGMA TABLE	+
036 KR 086	(N,G	) ED	2.5- 2		LRL	EXPT	PR/C	15	1972	77	JENSEN+ KR-87 LEVELS	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
037 RB 000	(G,N	) CS	1.1+ 7	2.4+ 7	SAC	EXPT	NP/A	175	609	71	LEPRETRE+ SIGMA PLOT	+
037 RB 000	(G,2N	) CS	1.9+ 7	2.4+ 7	SAC	EXPT	NP/A	175	609	71	LEPRETRE+ SIGMA PLOT	+
037 RB 000	(N,G	) CS	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	) CS		5.0+ 7	GER	EXPT	NP/A	182	411	72	VOELPEL ISOMERIC SIGMA VALUE	+
037 RB 085	(G,N	) YD		2.2+ 7	USA	EXPT	PR	110	1388	58	TOBIN+ PHOTONEUTRON THRESHOLD	
037 RB 085	(N,G	) CS	2.5+ 4		IND	EXPT	PR/C	6	572	72	LAKSHMANA+ ISOMERIC SIGMA	+
037 RB 085	(N,G	) YD	2.5- 2		USA	EXPT	PR	181	1618	69	DAWSON+ GAMMA INTENSITY	
037 RB 087	(G,N	) YD		2.2+ 7	USA	EXPT	PR	110	1388	58	TOBIN+ PHOTONEUTRON THRESHOLD	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
038 SR 000	(G,N	) CS	1.1+ 7	2.6+ 7	SAC	EXPT	NP/A	175	609	71	LEPRETRE+ SIGMA PLOT	+
038 SR 000	(G,XN	) CS	1.0+ 7	2.7+ 7	AUL	EXPT	NP/A	159	265	70	HICKS+ SIGMA CURVE	+
038 SR 000	(G,2N	) CS	2.0+ 7	2.6+ 7	SAC	EXPT	NP/A	175	609	71	LEPRETRE+ SIGMA PLOT	+
038 SR 000	(N,G	) CS	1.4+ 7		FR	EXPT	NP/A	154	243	70	RIGAUD+ INTEGRAT.SIGMA TABLE	+
038 SR 000	(N,G	) YD	2.5- 2		FR	EXPT	NP/A	113	134	68	CARLOS+ GAMMA INTENSITY	
038 SR 084	(N,G	) CS	PILE		ITY	EXPT	NP	1	420	56	ASDENTE+ ACTIVAT.SIGMA VALUE	+
038 SR 084	(P,G	) ED	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	) CS	NDG		PEN	EXPT	PR	104	1334	56	YERGIN+ GIANT RES.SIGMA TBL	+
038 SR 086	(N,G	) CS	3. + 3	2. + 5		EXPT	AJP	35	267	82	HICKS+	
038 SR 086	(N,G	) CS	1.0+ 2	1. + 6	LRL	EXPT	PR/C	43	2004	91	BAUER+ SIGMA VALUE & CURVE	+
038 SR 086	(N,G	) YD	2.5- 2		GER	EXPT	NP/A	460	501	86	WINTER+ GAMMA YIELD	
038 SR 086	(P,G	) ED	6.2+ 6	8.0+ 6		EXPT	NP/A	323	253	79	SZEFLINSKA+ E1-GAM STRENG.FUNCT	
038 SR 086	(P,G	) YD	3.9+ 6		FR	EXPT	NP/A	136	631	69	IRIGARAY+ GAMMA TRANSITION	
038 SR 086	(A,G	) YD	9.0+ 6	1.3+ 7		EXPT	PR/C	22	2409	80	RAGHUNATHAN+	
038 SR 087	(G,INELASTIC	) CS		3. + 7	USA	EXPT	NP/A	98	529	67	BOOTH+ ISOMER EXCITAT.SIGMA CURVE	+
038 SR 087	(G,N	) CS	NDG		PEN	EXPT	PR	104	1334	56	YERGIN+ GIANT RES.SIGMA TBL	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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	2. + 5		EXPT	AJP	35	267	82	HICKS+	
038	SR	087	(N,G)	CS	1.0+ 2	1. + 6	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)	CS	NDG		PEN	EXPT	PR	104	1334	56	YERGIN+ GIANT RES.SIGMA TBL	+
038	SR	088	(G,N)	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	BLOMQVIST+ 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	FIVOZINSKY+ 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	2.4+ 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	3 .FLINSKA+ E1-GAM STRENG.FUNCT	
038	SR	088	(P,G)	ED	2.2+ 6	3.7+ 6	POL	EXPT	NP/A	378	293	82	0 0+ Y-89 LEVEL DENSITY	
038	SR	088	(P,G)	ED	5.0+ 6	8.0+ 6	OSA	EXPT	JPJ	52	2325	83	NA AYAMA+	
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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
039	Y	089	(G,G)	YD	8. + 5	3.0+ 6	USA	EXPT	NP/A	116	281	68	ALSTON+ TRANSITION STRENGTH	
039	Y	089	(G,INELASTIC)	AD	1.2+ 7	3.0+ 7	GER	EXPT	NP/A	147	305	70	ARENHOEVEL+ 150DEG.DIFF.SIGMA	+
039	Y	089	(G,INELASTIC)	CS	4. + 6	2.2+ 7	BZL	EXPT	PR	110	1102	58	SILVA+ SIGMA CURVE	+
039	Y	089	(G,INELASTIC)	CS	1.2+ 7	3.0+ 7	GER	EXPT	NP/A	147	305	70	ARENHOEVEL+ TOTAL ABSORP.SIGMA	+
039	Y	089	(G,INELASTIC)	CS	1.0+ 8	8.0+ 8	SWD	EXPT	NP/A	211	310	73	FORKMAN+ SIGMA CURVE & TABLE	+
039	Y	089	(G,N)	AD	5.5+ 7		USA	EXPT	NP	30	201	62	REINHARDT+ ANGL.DIST.OF NEUTRON	
039	Y	089	(G,N)	AD	NDG		GER	THEO	ZP	179	256	64	HEISS DIFF.SIGMA	+
039	Y	089	(G,N)	CS	NDG		PEN	EXPT	PR	104	1334	56	YERGIN+ GIANT RES.SIGMA TBL	+
039	Y	089	(G,N)	CS	1.1+ 7	2.8+ 7	LRL	EXPT	PR	162	1098	67	BERMAN+ SIGMA CURVE	+
039	Y	089	(G,N)	CS	1.1+ 7	2.7+ 7	SAC	EXPT	NP/A	175	609	71	LEPRETRE+ SIGMA PLOT	+
039	Y	089	(G,N)	YD	NDG		PEN	EXPT	NP	40	177	63	GELLER REACTION THRESHOLD ENERGY	
039	Y	089	(G,N)	YD	1.5+ 8	2.8+ 8	UI	EXPT	PR	150	867	66	WALTERS+ ISOMER RATIO	
039	Y	089	(G,P)		1.3+ 7	3.1+ 7		EXPT	PR/C	36	1792	87	MIYASE+	+
039	Y	089	(G,P)	AD	1.3+ 7	2.5+ 7		EXPT	PR/C	22	2396	80	VAN CAMP+ LEGENDRE POLY.	
039	Y	089	(G,P)	CS	1.4+ 7	2.4+ 7	GHT	EXPT	PR/C	24	2499	81	VAN OTTEN+ ABSOLUT.SIGMA CURVE	+
039	Y	089	(G,PN)	YD	1.5+ 8	3.1+ 8	USA	EXPT	NP/A	157	73	70	WALTERS+ YIELD RATIO	
039	Y	089	(G,2N)	CS	2.1+ 7	2.7+ 7	SAC	EXPT	NP/A	175	609	71	LEPRETRE+ SIGMA PLOT	+
039	Y	089	(G,2N)	YD	1.5+ 8	3.1+ 8	USA	EXPT	NP/A	157	73	70	WALTERS+ YIELD RATIO	
039	Y	089	(E,EP)	AD	1.4+ 7	2.6+ 7	TOH	EXPT	NP/A	239	397	75	SHODA+ DIFF.SIGMA CURVE	+
039	Y	089	(E,EP)	DD	1.4+ 7	3.0+ 7	TOH	EXPT	NP/A	221	125	74	SHODA+ DOUBL.DIFF.SIGMA CURVE	+
039	Y	089	(E,INELASTIC)	AD	6.5+ 7	7.0+ 7	YAL	EXPT	PR	166	1136	68	PETERSON+ RELATIV.YIELD	
039	Y	089	(E,INELASTIC)	DD	4.5+ 7	1.2+ 8	NBS	EXPT	PR/C	9	1533	74	FIVOZINSKY+ FORM FACTOR	
039	Y	089	(E,INELASTIC)	DD	9.3+ 7		USA	EXPT	PR/C	16	970	77	PITTHAN+ ANGULAR DIST.	
039	Y	089	(E,INELASTIC)	XX	NDG		CCP	THEO	SNP	51	221	90	DENISOV FORM FACTOR	
039	Y	089	(E,P)		1.3+ 7	3.1+ 7		EXPT	PR/C	36	1792	87	MIYASE+	+
039	Y	089	(E,SCATTERING)	AD	2.3+ 8		CCP	EXPT	SNP	5	676	67	SHEVCHENKO+ ABSOL.DIFF.SIGMA TBL	+
039	Y	089	(E,SCATTERING)	AD	5.0+ 8		STF	EXPT	PR/C	9	2230	74	WHITNEY+ SIGMA TABLE	+
039	Y	089	(E,SCATTERING)	CS	2.5+ 7	1.2+ 8	UK	EXPT	NP/A	216	29	73	SINGHAL+ SIGMA TABLE	+
039	Y	089	(E,X)	CS	4.9+ 5	6.7+ 5	HUN	EXPT	ZP	271	207	74	NASR+ POSITRON IMPACT IONIZAT.SIGM	+
039	Y	089	(N,G)		1.2+ 7	2.7+ 7		EXPT	NP/A	472	125	87	ZORRO+	
039	Y	089	(N,G)	CS	1.4+ 5	1.5+ 7	USA	EXPT	NP/A	94	157	67	GRENCH+ SIGMA CURVE & TABLE	+
039	Y	089	(N,G)	CS	1.4+ 7		HUN	EXPT	NP/A	95	229	67	CSIKAI+ SIGMA TABLE	+
039	Y	089	(N,G)	CS	1.4+ 7		FR	EXPT	NP/A	154	243	70	RIGAUD+ INTEGRAT.SIGMA TABLE	+
039	Y	089	(N,G)	CS	2.5+ 3	1.0+ 5	AUL	EXPT	NSE	64	744	77	BOLDEMAN+ AV.SIGMA VALUE	+
039	Y	089	(N,G)	ED	5. + 5	1.1+ 7		EXPT	NP/A	339	205	80	LINDHOLM+ TOF,LARGE NAI,CAPT CS	
039	Y	089	(N,G)	XX	2.5- 2		KFK	EXPT	ZP	233	154	70	EICHLER+ CIRCULAR POLARIZATION	
039	Y	089	(N,G)	YD	2.5- 2		CRC	EXPT	NP	10	590	59	BARTHOLOMEW+ GAMMA INTENSITY	
039	Y	089	(N,G)	YD	6.2+ 6	1.6+ 7	LND	EXPT	NP/A	295	256	78	BERGQVIST+ PARTIAL SIGMA	+
039	Y	089	(N,G)	YD	1. + 3	6. + 3	ORL	EXPT	PR/C	23	1979	81	RAMAN+ RES. PARAM.	
039	Y	089	(P,G)	CS	3.6+ 6	5.2+ 6	GER	EXPT	NP/A	103	17	67	OBST+ PARTIAL GAMMA SIGMA CURVE	+
039	Y	089	(P,G)	CS	2.6+ 6	1.9+ 7	UK	EXPT	NP/A	135	193	69	MASON+ SIGMA CURVE	+
039	Y	089	(P,G)	CS	5.4+ 6	1.7+ 7	STF	EXPT	NP/A	216	221	73	HASINOFF+ ZR-90 DIPOLE RESONANCE	
039	Y	089	(P,G)	ED	6.2+ 6	8.0+ 6		EXPT	NP/A	323	253	79	SZEFLINSKA+ E1-GAM STRENG.FUNCT	
039	Y	089	(P,G)	ED	2.6+ 6	3.3+ 6	POL	EXPT	NP/A	378	293	82	DYGO+ ZR-90 LEVEL DENSITY	
039	Y	089	(P,G)	YD	5. + 6	8.5+ 6	OXF	EXPT	NP/A	92	365	67	BLACK+ YIELD CURVE	
039	Y	089	(P,G)	YD	3.9+ 6		FR	EXPT	NP/A	136	631	69	IRIGARAY+ GAMMA TRANSITION	
039	Y	089	(P,G)	YD	2.3+ 6	3.0+ 6	KAN	EXPT	PR/C	3	199	71	UMBARGER+ YIELD CURVE	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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 PHOTOSIGMA	+
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)		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	ZP/A	306	139	82	VEYSSIERE+ USED MONOCHRO PHOTON	
040 ZR 000	(G,N EMISSION)	CS	8. + 6	1.3+ 7		EXPT	ZP/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 SCTT.SIGMA TBL	+
040 ZR 000	(G,2N)	CS	8. + 6	1.3+ 7		EXPT	ZP/A	306	139	82	VEYSSIERE+ USED MONOCHRO PHOTON	
040 ZR 000	(G,3N)	CS	8. + 6	1.3+ 7		EXPT	ZP/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)		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)		2.2+ 6			EXPT	SJA	58	56	85	DAVYDOV+	+
040 ZR 090	(G,N)		2.1+ 6	2.5+ 6		EXPT	SJA	63	876	87	DAVYDOV+	+
040 ZR 090	(G,N)	AD	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 CURVE	+
040 ZR 090	(G,N)	CS	NDG		PEN	EXPT	PR	104	1334	56	YERGIN+ GIANT RES.SIGMA TBL	+
040 ZR 090	(G,N)	CS		7.0+ 7	ITY	EXPT	NP/A	72	158	65	COSTA+ SIGMA CURVE	+
040 ZR 090	(G,N)	CS	1.2+ 7	2.8+ 7	LRL	EXPT	PR	162	1098	67	BERMAN+ SIGMA CURVE	+
040 ZR 090	(G,N)	CS	1.2+ 7	2.6+ 7	SAC	EXPT	NP/A	175	609	71	LEPRETRE+ SIGMA PLOT	+
040 ZR 090	(G,N)	CS	1.2+ 7	2.8+ 7	CCP	EXPT	SNP	14	16	72	ISHKHANOV+ SIGMA CURVE & TBL	+
040 ZR 090	(G,N)	CS		1.5+ 7		EXPT	YF	35	257	82	FAM ZUI FIEN+ ISOMER RATIO	
040 ZR 090	(G,N)	YD	1.3+ 7	2.3+ 7	UI	EVAL	PR	102	400	56	AXEL+ ACTIVITY YIELD	
040 ZR 090	(G,NP)	AD	1.2+ 7	3.0+ 7	NJS	EXPT	PR/C	13	1852	76	BRAJNIK+ SIGMA	+
040 ZR 090	(G,P)	AD	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)	ED	3.1+ 7		AUL	EXPT	NP/A	204	209	73	ASKIN+ PROTON SPECTRA	
040 ZR 090	(G,P)	ED	3.0+ 7		AML	EXPT	NP/A	220	241	74	ASKIN+ PROTON SPECTRA	
040 ZR 090	(G,P)	ED	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	TOH	EXPT	NP/A	239	397	75	SHODA+ DIFF.SIGMA CURVE	+

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

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
040 ZR 094	(N,G	) CS	2.5- 2		ALG	EXPT	CJP	48	2362	70	RICABARRAT+ SIGMA VALUE	+
040 ZR 094	(N,G	) CS	2.5- 2		USA	EXPT	NSE	46	314	71	FULMER+ SIGMA VALUE	+
040 ZR 094	(N,G	) CS	2.5- 2		CRL	EXPT	CJP	51	2441	73	SANTRY+ ACTIVATION SIGMA VALUE	+
040 ZR 094	(N,G	) YD	1.5+ 2	1.0+ 5	RPI	EXPT	NSE	37	137	69	BARTOLOME+ RES.PARAMETER	
040 ZR 096	(G,A	) CS	2.3+ 7		CCP	EXPT	SNP	53	9	91	ANTONOV+ INTEGRAT.SIGMA VALUE	+
040 ZR 096	(N,G	) CS	2.5- 2		ALG	EXPT	CJP	48	2362	70	RICABARRAT+ SIGMA VALUE	+
040 ZR 096	(N,G	) CS	2.5- 2		USA	EXPT	NSE	46	314	71	FULMER+ SIGMA VALUE	+
040 ZR 096	(N,G	) CS	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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
041 NB 093	(G,A	) CS	2.5+ 7		CCP	EXPT	SNP	51	193	90	ANTONOV+ INTEGRAT.SIGMA	+
041 NB 093	(G,A	) CS	2.3+ 7		CCP	EXPT	SNP	53	9	91	ANTONOV+ INTEGRAT.SIGMA VALUE	+
041 NB 093	(G,A	) ED		3.3+ 7	GER	EXPT	NP/A	56	113	64	SCHEER+ ALPHA SPECTRUM	
041 NB 093	(G,A	) ED	3.3+ 7		GER	EXPT	NP/A	118	25	68	KRAFT+ ALPHA SPECTRA	
041 NB 093	(G,G	) ED	NDG		NEG	EXPT	NP/A	306	101	78	BERANTL+ NB-93 LEVELS	
041 NB 093	(G,N	) CS	NDG		PEN	EXPT	PR	104	1334	56	YERGIN+ GIANT RES.SIGMA TBL	+
041 NB 093	(G,N	) CS	7.5+ 6	1.1+ 7	PEN	EXPT	PR	121	880	61	WELSH+ SIGMA TBL	+
041 NB 093	(G,N	) CS	7.7+ 6	1.1+ 7	USA	EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
041 NB 093	(G,N	) CS	8. + 6	2.4+ 7	SAC	EXPT	NP/A	175	609	71	LEPRETRE+ SIGMA PLOT	+
041 NB 093	(G,N	) ED	6.7+ 6	9.4+ 6		EXPT	ZP/A	289	325	79	BARKMAN+ Q-VALUE OF PHOTONEUT.	
041 NB 093	(G,PION	) ED	3.0+ 8	4.0+ 8	CCP	EXPT	SNP	22	226	75	TONAPETYAN+ 90DEG.SIGMA CURVE	+
041 NB 093	(G,X	) CS	4.5+ 8		GER	EXPT	NP/A	221	145	74	DAVID+ SIGMA CURVE & TBL	+
041 NB 093	(G,X	) CS	4.5+ 9		CCP	EXPT	SNP	34	163	81	VARTAPETYAN+ DISINT.PRODUCT.SIGMA	+
041 NB 093	(G,X	) YD	1.5+ 8	2.8+ 8	UI	EXPT	PR	150	867	66	WALTERS+ ISOMER RATIO	
041 NB 093	(G,X	) YD		4.0+ 8	CCP	EXPT	SNP	17	124	73	GONCHAROV+ YIELD CURVE	
041 NB 093	(G,XP	) YD	6.0+ 7	1.0+ 8	GLS	EXPT	PL/B	79	356	78	FINDLAY+	
041 NB 093	(G,2N	) CS	1.6+ 7	2.4+ 7	SAC	EXPT	NP/A	175	609	71	LEPRETRE+ SIGMA PLOT	+
041 NB 093	(E,P	) AD		4.0+ 7	STF	EXPT	NP	16	381	60	BARBER+ DIFF.SIGMA CURVE	+
041 NB 093	(E,PION	) AD	2.0+ 8		TOH	EXPT	NP/A	486	512	88	SHODA+ 90DEG. SIGMA CURVE	+
041 NB 093	(E,SCATTERING)	AD	2.3+ 8		CCP	EXPT	SNP	5	676	67	SHEVCHENKO+ ABSOL.DIFF.SIGMA TBL	+
041 NB 093	(N,G	) AD	3.0+ 1	1.0+ 2	BNL	EXPT	PR/C	8	336	73	CHRIEN+ ANGULAR CORRELATION	
041 NB 093	(N,G	) CS	2. + 3	8. + 4	CCP	THEO	NP	45	156	63	NEMIROVSKY+ CAL.SIGMA CURVE	+
041 NB 093	(N,G	) CS	1.0+ 4	1.5+ 5	GER	EXPT	NP/A	133	513	69	KOMPE SIGMA CURVE	+
041 NB 093	(N,G	) CS	1.4+ 7		FR	EXPT	NP/A	173	551	71	RIGAUD+ INTEGRAT.SIGMA TABLE	+
041 NB 093	(N,G	) CS	2.6+ 3	7.0+ 5	ORL	EXPT	NSE	59	12	76	MACKLIN SIGMA CURVE	+
041 NB 093	(N,G	) CS	8. + 6	2.0+ 7	ITY	THEO	NSE	61	40	76	LONGO+ PHOTON PRODUCT.SIGMA CURVE	+
041 NB 093	(N,G	) CS	1.0+ 4	7.0+ 4	KFK	EXPT	NSE	80	630	82	REFFO+ SIGMA CURVE	+
041 NB 093	(N,G	) CS	1. + 5	3. + 6	RCN	COMP	PR/C	41	1941	90	KOPECKY+ RADAT.CAPT.SIGMA CURVE	+
041 NB 093	(N,G	) CS	3. + 3	2.0+ 5	KFK	EXPT	PR/C	42	1731	90	WISSHAK+ CAPT. SIGMA	+
041 NB 093	(N,G	) ED	3.6+ 1	5.0+ 2	ANL	EXPT	PR	131	2153	63	JACKSON ABSOLUTE GAMMA INTENSITY	
041 NB 093	(N,G	) XX	NDG		NED	THLO	PR/C	41	1941	90	KOPECKY+ GAMMA STRENGTH FUNCTION	

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

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
042 MO 000	(G,ABSORPTION)	CS	6.4+ 6		ISL	EXPT	NP/A	252	423	75	MOREH+ ATTENUAT. COEFF.	+
042 MO 000	(G,ELASTIC)	AD	1.1+ 7	1.3+ 7	IND	EXPT	NP/A	149	49	70	BASAVARAJU+ DIFF.SIGMA VALUE	+
042 MO 000	(G,F)	CS	3.0+ 8	9.0+ 8	SWD	EXPT	NP/A	167	97	71	METHASIRI+ SIGMA PLOT & TABLE	+
042 MO 000	(G,G)		1.3+ 7	3.0+ 7	AUL	EXPT	NIM A	255	68	87	TAYLOR+	+
042 MO 000	(G,G)	AD	2.8+ 5	6.6+ 5	IND	EXPT	NP/A	73	368	65	ANAND+ DIFF.SIGMA TABLE	+
042 MO 000	(G,G)	AD	2.8+ 6		GOE	EXPT	PR/C	23	1375	81	BERG+ DIFF. SIGMA	+
042 MO 000	(G,G)	AD	4.7+ 5		IDF	EXPT	PR/C	24	1765	81	BARROS+ RAYLEIGH DIFF.SCAT.SIGMA	+
042 MO 000	(G,SCATTERING)	AD	6.0+ 4		GER	EXPT	ZP/A	283	15	77	SCHUMACHER+ RAYLEIGH SCATT. TBL	+
042 MO 000	(G,TOTAL)	CS	6.6+ 8		NBS	EXPT	PR	115	351	59	TITUS TOT.PHOTOELECTRIC SIGMA	+
042 MO 000	(G,TOTAL)	CS	3.0+ 4	1.8+ 7	IND	EVAL	NSE	51	337	73	RAMANA+ SIGMA CURVE	+
042 MO 000	(E,ABSORPTION)	CS	1.5+ 8	5.0+ 8	CCP	EXPT	SNP	23	265	76	VLASENKO+ TOT.HADRONIC SIGMA	+
042 MO 000	(E,ELASTIC)	AD	1.0+ 9	1.2+ 9	CCP	THEO	SNP	13	660	71	TITOV+ ELECTROPRODUCT.MECHANISM	
042 MO 000	(E,ELASTIC)	AD	1.5+ 5	7.5+ 5	GER	THEO	NP/A	223	423	74	SMEND+ DIFF.SIGMA TBL	+
042 MO 000	(E,PION)	DD	1.2+ 9		CCP	EXPT	SNP	11	145	70	TITOV+ DOUBL.DIFF.SIGMA CURVE	
042 MO 000	(N,G)	CS	1.0+ 1	2.5+ 4	GEL	EXPT	NP/A	104	513	67	WEIGMANN+ SIGMA CURVE, RES.PARAM	+
042 MO 000	(N,G)	CS	1.0+ 4	1.5+ 5	GER	EXPT	NP/A	133	513	69	KOMPE SIGMA CURVE	+
042 MO 000	(N,G)	XX	2.5- 2		KFK	EXPT	ZP	219	114	69	EICHLER CIRCUL.POLARIZAT. OF GAMMA	
042 MO 092	(G,A)	CS	2.3+ 7		CCP	EXPT	SNP	53	9	91	ANTONOV+ INTEGRAT.SIGMA VALUE	+
042 MO 092	(G,G)	AD	1.4+ 7	2.2+ 7	ANL	EXPT	PR/C	24	1940	81	BOWLES+ ANGULAR DIST.CURVE	+
042 MO 092	(G,G)	YD		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	DAVYDOV+	+
042 MO 092	(G,N)	CS	2.1+ 7		PEN	EXPT	PR	126	709	62	BIANCO+ ACTIVATION SIGMA VALUE	+
042 MO 092	(G,N)	CS		7.0+ 7	ITY	EXPT	NP/A	72	158	65	COSTA+ SIGMA CURVE	+
042 MO 092	(G,N)	CS	8. + 6	2.5+ 6	SAC	EXPT	NP/A	227	427	74	BEIL+ SIGMA CURVE & TBL	+
042 MO 092	(G,N)	CS		1.5+ 7		EXPT	YF	35	257	82	FAM ZUI FIEN+ ISOMER RATIO	
042 MO 092	(G,P)	CS		3.3+ 7	AUL	EXPT	NP/A	60	343	64	GELLIE+ SIGMA VALUE	+
042 MO 092	(G,PN)	YD	1.5+ 8	3.1+ 8	USA	EXPT	NP/A	157	73	70	WALTERS+ YIELD RATIO	
042 MO 092	(G,XN)	CS	1.2+ 7	3.0+ 7	CCP	EXPT	SNP	11	394	70	ISHKHANOV+ SIGMA CURVE	+
042 MO 092	(G,2N)	CS	8. + 6	2.5+ 6	SAC	EXPT	NP/A	227	427	74	BEIL+ SIGMA CURVE & TBL	+
042 MO 092	(G,2N)	YD	1.5+ 8	3.1+ 8	USA	EXPT	NP/A	157	73	70	WALTERS+ YIELD RATIO	
042 MO 092	(G,3N)	CS	8. + 6	2.5+ 6	SAC	EXPT	NP/A	227	427	74	BEIL+ SIGMA CURVE & TBL	+
042 MO 092	(E,A)	AD	1.0+ 8		SAS	EXPT	PR/C	18	736	78	MURPHY+ ELECTRO ALPHA PRODUCTION	+
042 MO 092	(E,ELASTIC)	AD	2.1+ 8	3.0+ 8	SAC	EXPT	NP/A	179	529	72	PHAN XUAN HO+ DIFF SIGMA TABLE	+
042 MO 092	(E,ELASTIC)	AD		5.1+ 6	UNH	EXPT	PR/C	41	2586	90	MILLIMAN+ DIFF. SIGMA RATIO	
042 MO 092	(E,EP)	AD	1.4+ 7	2.6+ 7	TOH	EXPT	NP/A	239	397	75	SHODA+ DIFF.SIGMA CURVE	+
042 MO 092	(E,INELASTIC)	AD	2.1+ 8		NED	THEO	NP/A	236	10	74	HOFSTRA+ DIFF.SIGMA CURVE	+

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

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

ELEMENT Z S A	QUANTITY	ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
043 TC 098	(N,G) CS	2.5- 2		USA	EXPT	PR	110	427	58	ANDRES ACTIVATION SIGMA VALUE	+
043 TC 099	(N,G) CS	2.7+ 3	2.0+ 6	ORL	EXPT	NSE	81	520	82	MACKLIN AV.SIGMA TABLE	+
043 TC 130	(N,G) CS	2.4+ 4		IND	EXPT	NP/A	117	545	68	CHAUBEY+ SIGMA VALUE	+

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

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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	HUIZENGA+ 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-RAO DETECTOR,SIGMA CV	+
045	RH	103	(N,G)	CS	1.3+ 5	1.8+ 6	ANL	EXPT	PR	133	B378	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	JOLY+ 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		EXPT	PR/C	20	2072	79	JOLY+ 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	RIMAWI+ 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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
046 PD 000	(G,G)			9.4+ 4	AUW	EXPT	NIM A	257	378	87	SARMA+	+
046 PD 000	(G,T)	CS	3.6+ 7	4.9+ 7	GER	EXPT	ZP	199	440	67	KREISEL+ SIGMA VALUE	+
046 PD 000	(N,G)	CS	1.0+ 4	1.5+ 5	GER	EXPT	NP/A	133	513	69	KOMPE SIGMA CURVE	+
046 PD 104	(E,INELASTIC)	YD	7.0+ 7	4.4+ 8	NED	EXPT	NP/A	535	285	91	WESSELING+ FORM FACTOR	
046 PD 104	(N,G)	CS	2.6+ 3		ORL	EXPT	NSE	71	182	79	MACKLIN+ AV.SIGMA CURVE	+
046 PD 105	(N,G)	CS	2.6+ 3		ORL	EXPT	NSE	71	182	79	MACKLIN+ AV.SIGMA CURVE	+
046 PD 105	(N,G)	CS	1. + 5	3. + 6	RCN	COMP	PR/C	41	1941	90	KOPECKY+ RADAT.CAPT.SIGMA CURVE	+
046 PD 105	(N,G)	XX	NDG		ANL	EVAL	PR/C	2	1951	70	BOLLINGER+ N-CAPT.RESONANCE DIST.	
046 PD 105	(N,G)	XX	NDG		NED	THEO	PR/C	41	1941	90	KOPECKY+ GAMMA STRENGTH FUNCTION	
046 PD 105	(N,G)	YD	5.2+ 1	8.1+ 2	GEL	EXPT	NP/A	117	586	68	COCEVA+ RESONANCE PARAMETER	
046 PD 105	(N,G)	YD	1.1+ 1	3.6+ 2	BOL	EXPT	NP/A	170	153	71	COCEVA+ RESONANCE PARAMETER	
046 PD 105	(N,G)	YD	1.3+ 1	7.8+ 1	BLG	EXPT	NP/A	218	61	74	COCEVA+ LEVEL STRUCTURE	
046 PD 106	(G,ABSORPTION)	CS	1.2+ 7	2.4+ 7	GER	THEO	NP/A	91	145	67	ARENHOEVEL+ SIGMA CURVE	+
046 PD 106	(G,G)	CS	1.3+ 7		CCP	EXPT	SNP	25	131	77	GAVRILOV+ RES. SCATT.	+
046 PD 106	(E,INELASTIC)	YD	7.0+ 7	4.4+ 8	NED	EXPT	NP/A	535	285	91	WESSELING+ FORM FACTOR	
046 PD 106	(N,G)	CS	2.6+ 3		ORL	EXPT	NSE	71	182	79	MACKLIN+ AV.SIGMA CURVE	+
046 PD 107	(N,G)	CS		7.0+ 2	RPI	EXPT	NSE	67	54	78	SINGH+ RES. PARAMETER	
046 PD 107	(N,G)	CS	3. + 3	6.0+ 5	ORL	EXPT	NSE	89	79	85	MACKLIN AV.SIGMA TABLE	+
046 PD 108	(G,P)	CS	8. + 6	2.9+ 7	AUL	EXPT	NP/A	139	501	69	DEAGUE+ SIGMA CURVE	+
046 PD 108	(G,PN)	CS	8. + 6	2.9+ 7	AUL	EXPT	NP/A	139	501	69	DEAGUE+ SIGMA CURVE	+
046 PD 108	(G,XN)	CS	8. + 6	2.9+ 7	AUL	EXPT	NP/A	139	501	69	DEAGUE+ SIGMA CURVE	+
046 PD 108	(E,INELASTIC)	YD	7.0+ 7	4.4+ 8	NED	EXPT	NP/A	535	285	91	WESSELING+ FORM FACTOR	
046 PD 108	(N,G)	CS	2.4+ 4		IND	EXPT	NP/A	117	545	68	CHAUBEY+ SIGMA VALUE	+
046 PD 108	(N,G)	CS	2.6+ 3		ORL	EXPT	NSE	71	182	79	MACKLIN+ AV.SIGMA CURVE	+
046 PD 108	(N,G)	CS	5.3+ 5	1.3+ 6	POL	EXPT	NP/A	357	1	81	HERMAN+ ACTIVATION SIGMA	+
046 PD 108	(N,G)	YD	2.5- 2		ANL	EXPT	NP/A	60	241	64	BISHOP+ ISOMER RATIO	
046 PD 110	(G,N)	CS	8. + 6	2.9+ 7	AUL	EXPT	NP/A	139	501	69	DEAGUE+ SIGMA CURVE	+
046 PD 110	(E,INELASTIC)	YD	7.0+ 7	4.4+ 8	NED	EXPT	NP/A	535	285	91	WESSELING+ FORM FACTOR	
046 PD 110	(N,G)	CS	2.6+ 3		ORL	EXPT	NSE	71	182	79	MACKLIN+ AV.SIGMA CURVE	+
046 PD 110	(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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
047	AG	000	(G,A)	DD		3.3+ 7	GER	EXPT	ZP	192	502	66	WENDLING+ DOUBL.DIFF.SIGMA CURVE	+
047	AG	000	(G,A)	ED		3.5+ 7	ITY	EXPT	NP/A	61	316	65	MENEGHETTI+ ALPHA SPECTRUM	
047	AG	000	(G,ABSORPTION)	CS	6.4+ 6		ISL	EXPT	NP/A	252	423	75	MOREH+ ATTENUAT. COEFF	+
047	AG	000	(G,ABSORPTION)	CS	3.2+ 4	1.5+ 5	IND	EXPT	CJP	59	22	81	PUTTASWAMY+ TOT.ATTENUAT.SIGMA	+
047	AG	000	(G,ABSORPTION)	CS	5.0+ 3	1.5+ 5	IND	EXPT	CJP	59	853	81	PUTTASWAMY+ K-SHELL PHOTOELECTRIC	+
047	AG	000	(G,E)	CS	3.2+ 5		IND	EXPT	CJP	55	1592	77	RANGANATHALAH+ K-SHELL PHOTOSIGMA	+
047	AG	000	(G,ELASTIC)	AD	1.1+ 7	1.3+ 7	IND	EXPT	NP/A	149	49	70	BASAVARAJU+ DIFF.SIGMA VALUE	+
047	AG	000	(G,F)	CS	3.0+ 8	9.0+ 8	SWD	EXPT	NP/A	167	97	71	METHASIRI+ SIGMA PLOT & TABLE	+
047	AG	000	(G,F)	CS	5.8+ 8		CAN	EXPT	ZP/A	279	331	76	KIELY+ FISSION SIGMA VALUE	+
047	AG	000	(G,G)	AD	2.8+ 5	6.6+ 5	IND	EXPT	NP/A	73	368	65	ANAND+ DIFF.SIGMA TABLE	+
047	AG	000	(G,G)	AD	4.7+ 5		IDF	EXPT	PR/C	24	1765	81	BARROS+ RAYLEIGH DIFF.SCAT.SIGMA	+
047	AG	000	(G,G)	CS	2.8+ 5	6.6+ 5		EXPT	NP/A	80	93	66	ANAND+ SIGMA CURVE	+
047	AG	000	(G,MESON)	YD	1.2+ 9		COR	EXPT	PR	133	81200	64	SADOFF+ MESON PHOTOPRODUCTION	
047	AG	000	(G,N)	AD	2.2+ 7		SAS	EXPT	CJP	39	1158	61	BAKER+ ANGL.DIFF.SIGMA	+
047	AG	000	(G,N)	AD	NDG		GER	THEO	ZP	179	256	64	HEISS DIFF.SIGMA	+
047	AG	000	(G,N)	CS	9.2+ 6	2.5+ 7	USA	EXPT	PR	168	1312	68	FIELDER+ SIGMA CURVE & TBL	+
047	AG	000	(G,P)	AD		4.0+ 8	SWD	EXPT	ZP	265	1	73	DOUGAN+ DIFF.SIGMA TABLE	+
047	AG	000	(G,P)	ED	4.0+ 8		SWD	THEO	ZP	269	105	74	DOUGAN+ CAL.SIGMA CURVE	+
047	AG	000	(G,PION +)	YD		3.4+ 8	LRL	EXPT	PR	108	1040	57	IMHOF+ POSITV.PION PRODUCT.	+
047	AG	000	(G,SCATTERING)	AD	1.7+ 7		GER	EXPT	ZP	170	47	62	STIERLIN+ DIFF.SIGMA	+
047	AG	000	(G,T)	CS	3.1+ 7	5.6+ 7	GER	EXPT	ZP	189	423	66	WIIK SIGMA TABLE	+
047	AG	000	(G,TOTAL)	CS	6.6+ 8		NBS	EXPT	PR	115	351	59	TITUS TOT.PHOTOELECTRIC SIGMA	+
047	AG	000	(G,X)	CS	2.5+ 8	5.0+ 8	USA	EXPT	PR	105	1620	57	PETERSON+ PHOTOSTARS PRODUCTION	+
047	AG	000	(G,X)	CS	4.5+ 8		GER	EXPT	NP/A	221	145	74	DAVID+ SIGMA CURVE & TBL	+
047	AG	000	(G,X)	YD	8.0+ 8		SWD	EXPT	ZP/A	281	47	77	JAERUND+ RECOIL ENERG. OF FRAGMENT	
047	AG	000	(E,ABSORPTION)	ED	5.1+ 4		GER	THEO	ZP	238	172	70	ZACHARIAS ENERGY LOSS SPECTRUM	
047	AG	000	(E,ABSORPTION)	XX	3.4+ 6	1.9+ 7	UI	EXPT	PR	115	633	59	HALL+ ENERGY LOSS	
047	AG	000	(E,ABSORPTION)	YD	NDG		GER	EXPT	ZP	247	51	71	TEGEDER+ PHOTOIONIZATION	
047	AG	000	(E,G)	ED	3.0+ 7	1.2+ 8	UK	THEO	NIM	111	157	73	MATTHEWS+ BREMSST.SPECT.CURVE	+
047	AG	000	(E,INELASTIC)	AD	1.2+ 9		CCP	EXPT	SNP	19	240	74	TITOV+ DIFF.SIGMA CURVE	+
047	AG	000	(E,INELASTIC)	CS	8. + 9	2.5+ 9	STF	EXPT	PRL	52	727	84	ARNOLD+	
047	AG	000	(E,INELASTIC)	ED	1.8+ 5		GER	EXPT	ZP	250	235	72	AEHLIG+ BREMSSTRAHL.SIGMA	
047	AG	000	(E,SCATTERING)	AD	1. + 6		GER	EXPT	ZP	174	257	63	FEBEL+ ANGL.DIST.OF ENERGY LOSS	
047	AG	000	(E,SCATTERING)	AD	6.0+ 4		GER	EXPT	ZP	196	504	66	FINK+ DIFF.SIGMA CURVE	+
047	AG	000	(E,SCATTERING)	ED	1. + 6		GER	EXPT	ZP	196	285	66	BRAUNSCHWEIG+ 30DEG.SCATT.	
047	AG	000	(E,SCATTERING)	YD	6.0+ 4	1.0+ 5	GER	EXPT	ZP	174	91	63	BIENLEIN+ BACKSCATTERING	
047	AG	000	(E,SCATTERING)	YD	5.2+ 5	2.0+ 6	GER	EXPT	ZP	209	260	68	AIGINGER+ PLURAL SCATT.	
047	AG	000	(E,SCATTERING)	YD	3.0+ 4	5.0+ 4	GER	EXPT	ZP	229	62	69	ZECHNALL TEMP.DEPEND. OF SCATT.	
047	AG	000	(E,X)	CS	4.9+ 5	6.7+ 5	HUN	EXPT	ZP	271	207	74	NASR+ POSITRON IMPACT IONIZAT.SIGM	+
047	AG	000	(E,X)	YD	1. + 3	4. + 3	GER	EXPT	ZP	229	131	69	HOFFMANN+ CHARACT.X-RAY DEPTH DIST	
047	AG	000	(N,G)	CS	1.0+ 1	5.0+ 4	HAR	EXPT	NIM	24	445	63	MOXON+ MOXON-RAD DETECTOR,SIGMA CV	+
047	AG	000	(N,G)	CS	8. + 3	1.2+ 5	SAF	EXPT	NP/A	121	655	68	SPITZ+ SIGMA CURVE	+
047	AG	000	(N,G)	CS	1.0+ 4	1.5+ 5	GER	EXPT	NP/A	133	513	69	KOMPE SIGMA CURVE	+
047	AG	000	(N,G)	ED	1. + 5		SWD	EXPT	NP	22	513	61	BERGQVIST+ N-CAPT.GAMMA SPECTR.	
047	AG	000	(N,G)	YD	2.0+ 4	3.0+ 5	SWD	EXPT	NP	39	529	62	BERGQVIST+ N-CAPT.GAMMA	
047	AG	000	(P,G)	CS	1.5+ 6	1.1+ 7	SWD	EXPT	ZP	266	245	74	AKSELSSON+ K X-RAY YIELD	+
047	AG	107	(G,INELASTIC)	CS	4.2+ 5	1.3+ 6	FR	EXPT	NP/A	137	520	69	BOIVIN+ ACTIVATION SIGMA	+
047	AG	107	(G,N)	CS	7.5+ 6	1.1+ 7	PEN	EXPT	PR	121	880	61	WELSH+ SIGMA TBL	+

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
047 AG 107	(G,N	) CS	7.7+ 6	1.1+ 7	USA	EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
047 AG 107	(G,N	) CS	9.5+ 6	3.0+ 7	LRL	EXPT	PR	177	1745	69	BERMAN+ SIGMA CURVE	+
047 AG 107	(G,N	) YD		2.2+ 7	USA	EXPT	PR	111	1297	58	BENDEL+ THRESHOLD ENERGY	
047 AG 107	(E,INELASTIC	) CS	2.0+ 7	3.0+ 7	GER	EXPT	NP/A	195	559	72	KUHL+ SIGMA CURVE	+
047 AG 107	(E,INELASTIC	) CS	NDG		GER	EVAL	ZP/A	281	35	77	KNEISSL+ SIGMA CURVE COMPARE.CAL.	+
047 AG 107	(E,X	) XX	2.7+ 7		USA	EXPT	PR	139	B562	65	HERRING+ SIGMA RATIO	
047 AG 107	(N,G	) CS	2.5+ 4		BLG	EXPT	NP	9	569	58	VERVIER SB-BE SOURCE,SIGMA TBL	+
047 AG 107	(N,G	) CS	1.5+ 5	2.0+ 6	COL	THEO	PR	116	937	59	MOSSIN-KOTIN+ CAL.SIGMA CURVE	+
047 AG 107	(N,G	) CS	2.4+ 4		IND	EXPT	NP/A	66	267	65	CHAUBEY+ ACTIVATION SIGMA VALUE	+
047 AG 107	(N,G	) CS	2.6+ 3	2.0+ 6	ORL	EXPT	NSE	82	400	82	MACKLIN AV.SIGMA TABLE	+
047 AG 107	(N,G	) YD	2.5- 2		ANL	EXPT	PR	157	1131	67	BOLOTIN+ NEUT.CAPT.GAMMA YIELD	
047 AG 108M	(N,G	) CS	2.5- 2		USA	EXPT	NSE	72	357	79	RYVES SIGMA VALUE	+
047 AG 109	(G,INELASTIC	) CS	4.1+ 5	1.7+ 6	FR	EXPT	NP/A	137	520	69	BOIVIN+ ACTIVATION SIGMA	+
047 AG 109	(G,N	) CS	7.7+ 6	1.1+ 7	USA	EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
047 AG 109	(G,N	) CS	NDG		BZL	EVAL	NP/A	244	205	75	WOLYNEC+ PHOTO./ELECTRODISINT.	
047 AG 109	(G,N	) YD		2.2+ 7	USA	EXPT	PR	111	1297	58	BENDEL+ THRESHOLD ENERGY	
047 AG 109	(E,X	) CS	NDG		BZL	EVAL	NP/A	244	205	75	WOLYNEC+ X=EN,PHOTO./ELECTRODISINT	
047 AG 109	(N,G	) CS	2.6+ 3	2.0+ 6	ORL	EXPT	NSE	82	400	82	MACKLIN AV.SIGMA TABLE	+
047 AG 109	(N,G	) XX	2.5- 2		GER	EXPT	ZP	262	189	73	MERTENS+ DEPOLARIZATION PROCESS	
047 AG 109	(N,G	) YD	2.5- 2		ANL	EXPT	PR	157	1131	67	BOLOTIN+ NEUT.CAPT.GAMMA YIELD	
047 AG 109	(N,G	) YD	5.2+ 0		CAN	EXPT	CJP	47	1133	69	ING+ GAMMA YIELD	
047 AG 109	(N,G	) YD	2.5- 2		USA	EXPT	PR/C	12	595	75	CLARK+ NEW ISOMER	
047 AG 110M	(N,G	) CS	PILE		CAN	EXPT	CJP	41	1321	63	HART+ SIGMA VALUE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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 A	257	378	87	SARMA+	+
048	CD	000	(G,G)	AD	4.7+ 5		IDF	EXPT	PR/C	24	1765	81	BARROS+ RAYLEIGH DIFF.SCAT.SIGMA	+
048	CD	000	(G,G)	CS	1.5+ 7		GER	EXPT	ZP	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	ZP/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	ZP	179	116	64	THUEMMEL 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	YAL	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(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
048 CD 113	(N,G)	YD	2.5- 2		RCN	EXPT	NP/A	124	34	69	ABRAHAMS+ GAMMA TRANSITION	
048 CD 113	(N,G)	YD	2.5- 2		KFK	EXPT	NP/A	147	150	70	EICHLER+ CIRCULAR POLARIZATION	
048 CD 113	(N,G)	YD	PILE		ILL	EXPT	NP/A	412	113	84	MHEEMEED+ CD114 LVL TBL	
048 CD 113	(N,G)	YD	PILE		CCP	EXPT	SNP	52	398	90	VESNA+ PARITY NON-CONSERV.EFFECT	
048 CD 113	(N,G)	YD	NDG		CCP	EXPT	SNP	52	589	90	ALFIMENKOV+ POLARIZATION ASYMMET.	
048 CD 114	(E,SCATTERING)	YD	3.0+ 7	6.0+ 7	YAL	EXPT	NP/A	235	135	74	YEN+ FORM FACTOR	
048 CD 114	(N,G)	CS	2.4+ 4		IND	EXPT	NP/A	66	267	65	CHAUBEY+ ACTIVATION SIGMA VALUE	+
048 CD 114	(N,G)	CS	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)	CS	5.3+ 5	1.3+ 6	POL	EXPT	NP/A	357	1	81	HERMAN+ ACTIVATION SIGMA	+

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
049 IN 000	(G,A)	ED		3.5+ 7	ITY	EXPT	NP/A	61	316	65	MENEGHETTI+ ALPHA SPECTRUM	
049 IN 000	(G,INELASTIC)	AD	1.2+ 7	3.0+ 7	GER	EXPT	NP/A	147	305	70	ARENHOEVEL+ 150DEG.DIFF.SIGMA	+
049 IN 000	(G,INELASTIC)	CS	1.2+ 7	3.0+ 7	GER	EXPT	NP/A	147	305	70	ARENHOEVEL+ TOTAL ABSORP.SIGMA	+
049 IN 000	(G,N)	CS	9.0+ 6	3.0+ 7	LRL	EXPT	PR	186	1255	69	FULTZ+ SIGMA CURVE & TBL	+
049 IN 000	(G,N)	ED	6.7+ 6	9.4+ 6		EXPT	ZP/A	289	325	79	BARKMAN+ Q-VALUE OF PHOTONEUT.	
049 IN 000	(G,SCATTERING)	CS	5. + 5	3.0+ 6	MIT	EXPT	PR	100	192	55	BURKHARDT 90DEG.SIGMA CURVE	+
049 IN 000	(E,P)	AD		4.0+ 7	STF	EXPT	NP	16	381	60	BARBER+ DIFF.SIGMA CURVE	+
049 IN 000	(N,G)	CS	2. + 3	8. + 4	CCP	THEO	NP	45	156	63	NEMIROVSKY+ CAL.SIGMA CURVE	+
049 IN 000	(N,G)	CS	1.0+ 1	5.0+ 4	HAR	EXPT	NIM	24	445	63	MOXON+ MOXON-RAO DETECTOR,SIGMA CV	+
049 IN 000	(N,G)	CS	8. + 3	1.2+ 5	SAF	EXPT	NP/A	121	655	68	SPITZ+ SIGMA CURVE	+
049 IN 000	(N,G)	CS	1.0+ 4	1.5+ 5	GER	EXPT	NP/A	133	513	69	KOMPE SIGMA CURVE	+
049 IN 000	(N,G)	YD	1.5+ 0	9.1+ 0	YAL	EXPT	PR	111	906	58	DRAPER+ RESONANT CAPT.GAMMA	
049 IN 113	(G,INELASTIC)	CS		3. + 7	USA	EXPT	NP/A	98	529	67	BOOTH+ ISOMER EXCITAT.SIGMA CURVE	+
049 IN 113	(G,X)	CS		1. + 9	CCP	EXPT	SNP	43	685	86	BATII+ PRODUCT YIELD SIGMA	+
049 IN 113	(E,INELASTIC)	CS		3. + 7	USA	EXPT	NP/A	98	529	67	BOOTH+ ISOMER EXCITAT.SIGMA CURVE	+
049 IN 113	(E,X)	CS		1. + 9	CCP	EXPT	SNP	43	685	86	BATII+ PRODUCT YIELD SIGMA	+
049 IN 113	(N,G)	CS	3.6+ 5	1.0+ 6	USA	EXPT	PR	165	1298	68	GRENCH+ SIGMA TBL	+
049 IN 113	(N,G)	CS	2.5- 2		DDR	EXPT	NP/A	112	474	68	ALEXANDER+ ACTIVATION SIGMA	+
049 IN 113	(N,G)	YD		2. + 3	COL	EXPT	PR/C	10	1910	74	HACKEN+ RESONANCE PARAM.	
049 IN 113	(N,G)	YD	2.5- 2		GER	EXPT	NP/A	242	189	75	RABENSTEIN+ GAMMA TRANSIT.	
049 IN 115	(G,A)	CS	2.3+ 7		CCP	EXPT	SNP	53	9	91	ANTONOV+ INTEGRAT.SIGMA VALUE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
049	IN	115	(G,G)	CS	1.1+ 6		TOH	EXPT	PR/C	33	728	86	YOSHIHARA PHOTOACTIVATION SIGMA	+
049	IN	115	(G,G)	XX	1.5+ 6	2.7+ 6	USA	EXPT	PR	188	1837	69	ALSTON RES.FLUORESC.	
049	IN	115	(G,INELASTIC)	CS	1. + 6	1.4+ 7	MIT	EXPT	PR	100	199	55	BURKHARDT+ ISOMERIC EXCIT.CURVE	+
049	IN	115	(G,INELASTIC)	CS		3. + 7	USA	EXPT	NP/A	98	529	67	BOOTH+ ISOMER EXCITAT.SIGMA CURVE	+
049	IN	115	(G,INELASTIC)	CS	6. + 5	1.5+ 6	FR	EXPT	NP/A	137	520	69	BOIVIN+ ACTIVATION SIGMA	+
049	IN	115	(G,INELASTIC)	CS	1.0+ 8	8.0+ 8	SWD	EXPT	NP/A	211	310	73	FORKMAN+ SIGMA CURVE & TABLE	+
049	IN	115	(G,INELASTIC)	YD	NDG		HUN	EXPT	NSE	105	233	90	NEMETH+ GAMMA ACTIVATION	
049	IN	115	(G,N)	CS	7.7+ 6	1.1+ 7	USA	EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
049	IN	115	(G,N)	YD		2.2+ 7	USA	EXPT	PR	111	1297	58	BENDEL+ THRESHOLD ENERGY	
049	IN	115	(G,SCATTERING)	YD	7. + 6	1.8+ 7	STF	EXPT	NP/A	62	584	65	KRUGER+ SIGMA,E/G YIELD RATIO	+
049	IN	115	(G,X)	CS	5.5+ 7	8.5+ 7	MRY	THEO	PR/C	16	1812	77	WU+ PRE-EQUILIBRIUM ANALYSES	
049	IN	115	(G,X)	CS		1. + 9	CCP	EXPT	SNP	43	685	86	BATII+ PRODUCT YIELD SIGMA	+
049	IN	115	(E,INELASTIC)	CS		3. + 7	USA	EXPT	NP/A	98	529	67	BOOTH+ ISOMER EXCITAT.SIGMA CURVE	+
049	IN	115	(E,INELASTIC)	XX	1.8+ 8	6.0+ 8	STF	EXPT	PR	130	245	63	KENDALL+ FORM FACTOR	
049	IN	115	(E,INELASTIC)	XX	NDG		USA	THEO	PR	174	1525	68	CHERTOK+ COMPARISON OF EXP.&THEOR	
049	IN	115	(E,SCATTERING)	AD	1.8+ 8		STF	EXPT	PR	121	283	61	CRANNELL+ DIFF.SIGMA CURVE	+
049	IN	115	(E,SCATTERING)	CS	3.0+ 8		USA	THEO	PR/C	11	829	75	MURPHY+ DIFF. SIGMA CURVE	+
049	IN	115	(E,SCATTERING)	YD	7. + 6	1.8+ 7	STF	EXPT	NP/A	62	584	65	KRUGER+ SIGMA,E/G YIELD RATIO	+
049	IN	115	(E,X)	CS		1. + 9	CCP	EXPT	SNP	43	685	86	BATII+ PRODUCT YIELD SIGMA	+
049	IN	115	(N,G)	CS	1.3+ 5	1.8+ 6	ANL	EXPT	PR	133	B378	64	COX SIGMA CURVE	+
049	IN	115	(N,G)	CS	2.4+ 4		IND	EXPT	NP/A	66	267	65	CHAUBEY+ ACTIVATION SIGMA VALUE	+
049	IN	115	(N,G)	CS	9.7+ 5	1.9+ 7	USA	EXPT	PR	163	1299	67	MENLOVE+ ACTIVATION SIGMA TBL	+
049	IN	115	(N,G)	CS	3.6+ 5	1.0+ 6	USA	EXPT	PR	165	1298	68	GRENCH+ SIGMA TBL	+
049	IN	115	(N,G)	CS	1.4+ 7		YUG	EXPT	NP/A	158	251	70	CVELBAR+ ACTIVATION SIGMA	+
049	IN	115	(N,G)	CS	NDG		BLG	THEO	PR/C	9	723	74	BAUDINET-ROBINET SIGMA TBL	+
049	IN	115	(N,G)	CS	PILE		GER	EXPT	ZP/A	272	273	75	MANNHART ACTIVATION SIGMA VALUE	+
049	IN	115	(N,G)	CS	2.0+ 6	7.7+ 6	SWD	EXPT	NP/A	443	404	85	ANDERSSON+ SIGMA	+
049	IN	115	(N,G)	CS	2.3+ 4	9.6+ 5	USA	EXPT	NSE	94	227	86	GRADY++ SIGMA PLOT	+
049	IN	115	(N,G)	XX	1. - 1	3.9+ 0	BNL	EXPT	PR	119	208	60	DOMANIC+ ACTIVATION RATIO	
049	IN	115	(N,G)	XX	NDG		USA	EXPT	PR	123	197	61	GREENFIELD+ ACTIVATION RATIO	
049	IN	115	(N,G)	YD	1.4+ 0	9.1+ 0	KFK	EXPT	NP/A	66	297	65	POENITZ SPIN OF ISOMERIC STATE	
049	IN	115	(N,G)	YD	2.5- 2		KFK	EXPT	NP/A	147	150	70	EICHLER+ CIRCULAR POLARIZATION	
049	IN	115	(N,G)	YD	1.5+ 0	3.9+ 0	CAN	EXPT	NP/A	154	467	70	WAHRER+ RESONANT CAPT.GAMMA	
049	IN	115	(N,G)	YD	2.5- 2	4.9+ 1	CRL	EXPT	NP/A	156	113	70	LONE+ GAMMA INTENSITY	
049	IN	115	(N,G)	YD	3. + 0	4.3+ 2	BOL	EXPT	NP/A	233	185	74	CORVI+ RES. NEUT-CAPT.GAMMA	
049	IN	115	(N,G)	YD		2. + 3	COL	EXPT	PR/C	10	1910	74	HACKEN+ RESONANCE PARAM.	
049	IN	115	(P,G)	AD	8. + 6	2.7+ 7		EXPT	NP/A	326	26	79	RIGAUD+ RAD.GAM.DIFF. SIGMA	
049	IN	115	(A,G)	CS	5. + 6	4.2+ 7	USA	EXPT	NP/A	102	161	67	CARLSON+ SIGMA VALUE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
050	SN	000	(G,ABSORPTION)	CS	6.4+ 6		ISL	EXPT	NP/A	252	423	75	MOREH+ ATTENUAT. COEFF.	+
050	SN	000	(G,ABSORPTION)	CS	3.2+ 4	1.5+ 5	IND	EXPT	CJP	59	22	81	PUTTASWAMY+ TOT.ATTENUAT.SIGMA	+
050	SN	000	(G,ABSORPTION)	CS	5.0+ 3	1.5+ 5	IND	EXPT	CJP	59	853	81	PUTTASWAMY+ K-SHELL PHOTOELECTRIC	+
050	SN	000	(G,ABSORPTION)	CS	2.4+ 8	3.3+ 8	SAC	EXPT	NP/A	431	573	84	CARLOS+ 2PT.,SIGMA PLOT	
050	SN	000	(G,E)	CS	2.6+ 6		USA	EXPT	NP/A	80	588	66	TITUS+ PAIR PRODUCT.SIGMA VALUE	+
050	SN	000	(G,E)	CS	3.2+ 5		IND	EXPT	CJP	55	1592	77	RANGANATHALAH+ K-SHELL PHOTOSIGMA	+
050	SN	000	(G,ELASTIC)	CS	1.2+ 6	1.3+ 6	CAN	EXPT	CJP	40	622	62	STANDING+ CO-60 G-SOURCE,SIGMA TBL	+
050	SN	000	(G,ELASTIC)	CS	2.5+ 6	3.5+ 6		EXPT	PL/B	92	71	80	MUECKENHEIM+ RADIOACT. SOURCE	
050	SN	000	(G,F)	CS	3.0+ 8	9.0+ 8	SWD	EXPT	NP/A	167	97	71	METHASIRI+ SIGMA PLOT & TABLE	+
050	SN	000	(G,G)		3.4+ 5	1.4+ 6	AUL	EXPT	NIM	A255	68	87	TAYLOR+	+
050	SN	000	(G,G)		2.8+ 5	6.6+ 5	MAL	EXPT	NIM	A255	59	87	BRADLEY+	
050	SN	000	(G,G)		3.4+ 5	1.4+ 6		EXPT	NIM	A255	78	87	DOW+	
050	SN	000	(G,G)	AD	2.8+ 5	1.3+ 6	IND	EXPT	NP/A	57	547	64	NATH+ DIFF.SIGMA PLOT	+
050	SN	000	(G,G)	AD	2.8+ 5	6.6+ 5	IND	EXPT	NP/A	73	368	65	ANAND+ DIFF.SIGMA TABLE	+
050	SN	000	(G,G)	AD	1.1+ 6		IND	EXPT	NP/A	62	296	65	NARASIMHA+ DIFF.SIGMA TABLE	+
050	SN	000	(G,G)	AD	2.8+ 6		GOE	EXPT	PR/C	23	1375	81	BERG+ DIFF. SIGMA	+
050	SN	000	(G,G)	AD	4.7+ 5		IDF	EXPT	PR/C	24	1765	81	BARROS+ RAYLEIGH DIFF.SCAT.SIGMA	+
050	SN	000	(G,G)	CS	2.8+ 5	6.6+ 5		EXPT	NP/A	80	93	66	ANAND+ SIGMA CURVE	+
050	SN	000	(G,G)	YD	7.0+ 6		ITY	EXPT	NP/A	101	145	67	GIANNINI+ LEVEL WIDTH	
050	SN	000	(G,INELASTIC)	AD	1.2+ 7	3.0+ 7	GER	EXPT	NP/A	147	305	70	ARENHOEVEL+ 150DEG.DIFF.SIGMA	+
050	SN	000	(G,INELASTIC)	CS	1.2+ 7	3.0+ 7	GER	EXPT	NP/A	147	305	70	ARENHOEVEL+ TOTAL ABSORP.SIGMA	+
050	SN	000	(G,N)	ED	7.0+ 7		CAN	EXPT	CJP	33	785	55	DIXON ENERGY & ANGL.DISTRIBUTION	
050	SN	000	(G,N EMISSION)	CS	3.0+ 7	9.0+ 7		EXPT	NP/A	390	240	82	LEPRETRE+	
050	SN	000	(G,N EMISSION)	YD	2.5+ 7	1.4+ 8		EXPT	NP/A	390	221	82	LEPRETRE+	
050	SN	000	(G,SCATTERING)	AD	1.4+ 5		IND	EXPT	NIM	131	163	75	ROY+ COHERENT SCATT.SIGMA CURVE	+
050	SN	000	(G,SCATTERING)	AD	6.0+ 4		GER	EXPT	ZP/A	283	15	77	SCHUMACHER+ RAYLEIGH SCATT. TBL	+
050	SN	000	(G,SCATTERING)	CS	5.0+ 7	1.3+ 8	MIT	EXPT	PR	105	982	57	PUGH+ SIGMA CURVE	+
050	SN	000	(G,SCATTERING)	CS	6.0+ 6	9.4+ 6	AUI	EXPT	PR/C	2	689	70	AXEL+ SIGMA TBL & CURVE	+
050	SN	000	(G,SCATTERING)	XX	NDG		MIT	EXPT	PR/C	8	1065	73	HAYWARD+ RES. FLUORESCENCE	
050	SN	000	(G,T)	CS	9.0+ 7		NBS	EXPT	NP/A	157	49	70	CURRIE+ INTEGRAT.SIGMA VALUE	+
050	SN	000	(G,TOTAL)	CS	3.0+ 4	1.8+ 7	IND	EVAL	NSE	51	337	73	RAMANA+ SIGMA CURVE	+
050	SN	000	(G,TOTAL)	CS	2. + 4	2. + 6	IND	THEO	NSE	96	330	87	SUBBAIAH+ TOT.PHOTO SIGMA CURVE	+
050	SN	000	(G,X)			4.5+ 9		EXPT	SNP	45	381	87	ARAKELYAN+	
050	SN	000	(G,X)	DD	3.0+ 7	1.4+ 8	EDG	EXPT	NP/A	429	61	84	FLOWERS+ SIGMA CURV	
050	SN	000	(G,X)	XX	NDG		BLG	THEO	PR/C	9	723	74	BAUDINET-ROBINET SIGMA RATIO CURV	+
050	SN	000	(G,XN)	CS	2.5+ 7	1.4+ 8	SAC	EXPT	NP/A	367	237	81	LEPRETRE+ SIGMA CURV.&INTEG.SIGMA	+
050	SN	000	(E,ABSORPTION)	CS	2.4+ 5	1.4+ 6	GER	EXPT	NP/A	58	241	64	HANSEN+ SIGMA FOR K IONIZATION	+
050	SN	000	(E,ABSORPTION)	CS	2.5+ 6	5.0+ 7	GER	THEO	ZP	255	459	72	BORIE+ CAL.PAIR PRODUCT.SIGMA	+
050	SN	000	(E,ABSORPTION)	XX	5.3+ 7	9.3+ 7	USA	EXPT	ZP	271	69	74	BUSKIRK+ MOST PROBABLE ENERGY LOSS	
050	SN	000	(E,ELASTIC)	AD	1.5+ 5	7.5+ 5	GER	THEO	NP/A	223	423	74	SMEND+ DIFF.SIGMA TBL	+
050	SN	000	(E,SCATTERING)	AD	1.5+ 7	9.0+ 7	MIT	THEO	PR	98	1360	55	GLASSGOLD CAL.SIGMA CURVE	+
050	SN	000	(E,SCATTERING)	YD	6.0+ 4	1.0+ 5	GER	EXPT	ZP	174	91	63	BIENLEIN+ BACKSCATTERING	
050	SN	000	(E,X)	DD	3.0+ 7	1.4+ 8	EDG	EXPT	NP/A	429	61	84	FLOWERS+ SIGMA CURV	
050	SN	000	(N,G)	YD	2.0+ 4	3.0+ 5	SWD	EXPT	NP	39	529	62	BERGQVIST+ N-CAPT.GAMMA	
050	SN	000	(N,G)	YD	4.0+ 1	2.0+ 2	SAC	EXPT	NP/A	122	512	68	SAMOUR+ GAMMA WIDTH	
050	SN	112	(G,N)	CS	1.1+ 7	2.8+ 7	CCP	EXPT	SNP	20	123	75	SOROKIN+ SIGMA CURV&INTEG.SIG.TBL	+
050	SN	112	(G,P)		2.2+ 6			EXPT	SJA	58	56	85	DAVYDOV+	+
050	SN	112	(G,P)	CS	1.3+ 7	2.9+ 7	CCP	EXPT	SNP	14	622	72	SOROKIN+ SIGMA CURVE & TBL	+

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
050 SN 112	(G,X)	YD	4.5+ 9		CCP	EXPT	SNP	48	395	88	ARAKELYAN+ YIELD OF PRODUCTS	
050 SN 112	(E,SCATTERING)	AD	2.3+ 8		CCP	EXPT	NP/A	146	15	70	KHVASTUNOV+ 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	ARAKELYAN+ 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	ARAKELYAN+ 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	MICHALK+ 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	ZP/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	ARAKELYAN+ 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	KHVASTUNOV+ 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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
050 SN 119	(G,N	) CS	6.5+ 6	3.0+ 7	LRL	EXPT	PR	186	1255	69	FULTZ+ SIGMA CURVE & TBL	+
050 SN 119	(G,X	) YD	4.5+ 9		CCP	EXPT	SNP	48	395	88	ARAKELYAN+ YIELD OF PRODUCTS	
050 SN 120	(G,G	) YD	1.1+ 6	1.2+ 6	YUG	EXPT	NP/A	89	412	66	HRASTNIK+ LEVEL WIDTH	
050 SN 120	(G,N	) CS	9.1+ 6	3.0+ 7	LRL	EXPT	PR	186	1255	69	FULTZ+ SIGMA CURVE & TBL	+
050 SN 120	(G,N	) CS	9. + 6	2.8+ 7	CCP	EXPT	SNP	20	123	75	SOROKIN+ SIGMA CURV&INTEG.SIG.TBL	+
050 SN 120	(G,P	) YD	NDG		TOH	EXPT	PR/C	5	1705	72	SUGAWARA+ YIELD CURVE	
050 SN 120	(G,PION -	) YD	4.5+ 9		CCP	EXPT	SNP	51	997	90	ARAKELYAN+ RELATIV.YIELD	
050 SN 120	(G,X	) CS	4.5+ 9		CCP	EXPT	SNP	52	202	90	ARAKELYAN+ X=BE-7,NA-24,SIGMA	+
050 SN 120	(G,X	) YD	4.5+ 9		CCP	EXPT	SNP	48	395	88	ARAKELYAN+ YIELD OF PRODUCTS	
050 SN 120	(E,INELASTIC	) XX	1.5+ 8	2.5+ 8	GER	THEO	NP/A	225	137	74	MILLER+ FORM FACTOR	
050 SN 120	(E,INELASTIC	) YD	NDG		CRC	THEO	NP/A	255	86	75	LEE FORM FACTOR	
050 SN 120	(N,G	) YD	NDG		BNL	EXPT	PR	166	1111	68	BHAT+ RESONANCE PARAM.	
050 SN 122	(G,G	) YD	1.1+ 2	2.6+ 2	BNL	EXPT	PR/C	12	1457	75	BHAT+ RES. WIDTH	
050 SN 122	(G,P	) YD	NDG		TOH	EXPT	PR/C	5	1705	72	SUGAWARA+ YIELD CURVE	
050 SN 122	(G,X	) YD	4.5+ 9		CCP	EXPT	SNP	48	395	88	ARAKELYAN+ YIELD OF PRODUCTS	
050 SN 122	(N,G	) ED	5. + 1	1.1+ 4	MTS	EXPT	PR/C	15	883	77	CARLTON+ S-123 LEVELS	
050 SN 124	(G,N	) CS	8.5+ 6	3.0+ 7	LRL	EXPT	PR	186	1255	69	FULTZ+ SIGMA CURVE & TBL	+
050 SN 124	(G,P	) AD	NDG		CCP	THEO	SNP	18	21	74	TERTYCHNYI+ DIFF.SIGMA	
050 SN 124	(G,P	) CS	1.9+ 7	2.9+ 7	CCP	EXPT	SNP	14	622	72	SOROKIN+ SIGMA CURVE & TBL	+
050 SN 124	(G,P	) YD	NDG		TOH	EXPT	PR/C	5	1705	72	SUGAWARA+ YIELD CURVE	
050 SN 124	(G,PION -	) YD	4.5+ 9		CCP	EXPT	SNP	51	997	90	ARAKELYAN+ RELATIV.YIELD	
050 SN 124	(G,X	) CS	4.5+ 9		CCP	EXPT	SNP	52	202	90	ARAKELYAN+ X=BE-7,NA-24,SIGMA	+
050 SN 124	(G,X	) YD	4.5+ 9		CCP	EXPT	SNP	48	395	88	ARAKELYAN+ YIELD OF PRODUCTS	
050 SN 124	(E,ELASTIC	) AD	2.3+ 8		CCP	EXPT	SNP	14	269	72	LITVINENKO+ DIFF.SIGMA CURVE & TBL	+
050 SN 124	(E,INELASTIC	) ED	1.5+ 8	2.3+ 8	UFT	EXPT	SNP	28	1	78	NEMASHKALO+ RES. FORM FACTOR	
050 SN 124	(E,INELASTIC	) XX	1.5+ 8		GER	THEO	NP/A	225	137	74	MILLER+ FORM FACTOR	
050 SN 124	(E,INELASTIC	) XX	6.0+ 8		SAC	COMP	NP/A	358	383	81	FROIS	
050 SN 124	(N,G	) AD	6.2+ 1		HAR	EXPT	CJP	43	2156	65	MCNEILL+ N-CAPT.GAMMA ANGL DIST.	
050 SN 124	(N,G	) ED	5. + 1	1.1+ 4	MTS	EXPT	PR/C	15	883	77	CARLTON+ S-125 LEVELS	
050 SN 124	(N,G	) YD	NDG		BNL	EXPT	PR	166	1111	68	BHAT+ RESONANCE PARAM.	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
051 SB 000	(G,ELASTIC	) CS	2.5+ 6	3.5+ 6		EXPT	PL/B	92	71	80	MUECKENHEIM+ RADIOACT. SOURCE	
051 SB 000	(G,N	) CS	8.0+ 6	2.4+ 7	AML	EXPT	NP/A	430	99	84	PASSOOL+ SIGMA CURV	
051 SB 000	(G,N	) ED	6.7+ 6	9.4+ 6		EXPT	ZP/A	289	325	79	BARKMAN+ Q-VALUE OF PHOTONEUT.	
051 SB 000	(E,ELASTIC	) AD	5.0+ 1	1.0+ 3	GER	EXPT	ZP	246	348	71	KESSLER+ DIFF.SIGMA CURVE	+
051 SB 000	(N,G	) CS	2. + 3	8. + 4	CCP	THEO	NP	45	156	63	NEMIROVSKY+ CAL.SIGMA CURVE	+
051 SB 000	(N,G	) CS	8. + 3	1.2+ 5	SAF	EXPT	NP/A	121	655	68	SPITZ+ SIGMA CURVE	+
051 SB 000	(N,G	) ED	6.2+ 0	1.9+ 2	ANL	EXPT	PR	124	1142	61	JACKSON+ NEUTRON RESONANCE	
051 SB 121	(G,A	) CS	1.6+ 7	2.4+ 7	UI	EXPT	PR	123	898	61	WOLFE+ SIGMA CURVE	+
051 SB 121	(G,G	) CS	3.5+ 6		GER	EXPT	ZP/A	302	61	81	ENDRES+ RESONANT SCATT.SIGMA CURVE	+
051 SB 121	(G,G	) CS	3.5+ 6		GER	EXPT	ZP/A	302	61	85	ENDRES+ RES.FLUORESC. SCATT.SIGMA	+
051 SB 121	(G,G	) YD	5. + 5	2.5+ 6	USA	EXPT	PR/C	7	1490	73	BOOTH+ RES.FLUORESCENCE WIDTH	
051 SB 121	(G,N	) CS	4.4+ 5	1.8+ 7	AUL	EXPT	NP	23	468	61	COOTE+ SIGMA VALUE	+
051 SB 121	(G,N	) CS	2.1+ 7		PEN	EXPT	PR	126	709	62	BIANCO+ ACTIVATION SIGMA VALUE	+
051 SB 121	(G,N	) CS	7.7+ 6	1.1+ 7	USA	EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
051 SB 121	(G,N	) CS	8.7+ 6	2.0+ 7	AML	EXPT	NP/A	430	99	84	PASSOOL+ SIGMA CURV	
051 SB 121	(E,SCATTERING)	AD	1.8+ 8		STF	EXPT	PR	121	283	61	CRANNELL+ DIFF.SIGMA CURVE	+
051 SB 121	(N,G	) AD	6.2+ 0	3.0+ 1	CAN	EXPT	NP/A	137	561	69	ING+ RESONANT CAPT.GAMMA	
051 SB 121	(N,G	) CS	2.5+ 4		IND	EXPT	PR/C	6	572	72	LAKSHMANA+ ISOMERIC SIGMA	+
051 SB 121	(N,G	) YD	2.5- 2		KFK	EXPT	NP/A	147	150	70	EICHLER+ CIRCULAR POLARIZATION	
051 SB 121	(N,G	) YD	0	6.0+ 2	SAC	EXPT	NP/A	223	509	74	JAIN+ RES. PARAM.	
051 SB 123	(G,G	) ED	NDG		NEG	EXPT	NP/A	306	101	78	BERANTL+ SB-123 LEVELS	
051 SB 123	(G,G	) YD	1.0+ 6	2.5+ 6	USA	EXPT	PR/C	7	1490	73	BOOTH+ RES.FLUORESCENCE WIDTH	
051 SB 123	(G,N	) CS	7.7+ 6	1.1+ 7	USA	EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
051 SB 123	(G,N	) CS	8.0+ 6	2.4+ 7	AML	EXPT	NP/A	430	99	84	PASSOOL+ SIGMA CURV	
051 SB 123	(E,SCATTERING)	AD	1.8+ 8		STF	EXPT	PR	121	283	61	CRANNELL+ DIFF.SIGMA CURVE	+
051 SB 123	(N,G	) AD	2.2+ 1		CAN	EXPT	NP/A	137	561	69	ING+ RESONANT CAPT.GAMMA	
051 SB 123	(N,G	) CS	1.4+ 7		HUN	EXPT	NP/A	95	229	67	CSIKAI+ SIGMA TABLE	+
051 SB 123	(N,G	) YD	2.5- 2		KFK	EXPT	NP/A	147	150	70	EICHLER+ CIRCULAR POLARIZATION	
051 SB 124	(N,G	) CS	PILE		CAN	EXPT	CJP	44	2956	66	COURTEMANCHE+ SIGMA VALUE	+

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

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

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
053	I	127	(G,G	) YD	4.2+ 5		USA	EXPT	NP/A	63	425	65	LANGHOFF LEVEL WIDTH	
053	I	127	(G,G	) YD	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	TSAI+	
053	I	127	(G,N	)	1.5+ 7	2.0+ 7		EXPT	PR/C	36	1286	87	BERMAN+	
053	I	127	(G,N	) CS	1.8+ 7		HUN	EXPT	NP	2	371	56	EROE SIGMA DATA	+
053	I	127	(G,N	) CS	9. + 6	3.0+ 7	LRL	EXPT	PR	148	1198	66	BRAMBLETT+ SIGMA CURVE	+
053	I	127	(G,N	) CS	7.7+ 6	1.1+ 7	USA	EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
053	I	127	(G,N	) CS	1.0+ 9	5.5+ 9	ITY	EXPT	NP/A	126	505	69	DE CARVALHO+ SIGMA PLOT	+
053	I	127	(G,N	) CS	8. + 6	2.3+ 7	AML	EXPT	PR/C	39	1631	89	RASSOOL+ ABSOLUTE SIGMA	+
053	I	127	(G,N	) ED	9.7+ 6		MCM	EXPT	CJP	64	1569	86	TSAI+ NEUTRON SPECT.	
053	I	127	(G,P	) CS	1.8+ 7		HUN	EXPT	NP	8	650	58	KESZTHELYI+ SIGMA TBL	+
053	I	127	(G,SCATTERING)	AD	1.1+ 7		BLG	EXPT	NP/A	531	237	91	MONDRY+ RAMAN SCATT.DIFF.SIGMA	+
053	I	127	(G,SCATTERING)	CS	3.0+ 5	1.3+ 6	IND	THEO	NSE	85	426	83	UMESH+ INCOHERENT SCTT.SIGMA TBL	+
053	I	127	(G,X	) CS	2.5+ 8	1. + 9	SWD	EXPT	NP/A	153	32	70	JONSSON+ ELEMENT PRODUCT.SIGMA	+
053	I	127	(G,X	) CS	1. + 9	7.4+ 9	SWD	EXPT	NP/A	197	44	72	ANDERSSON+ SIGMA PLOT	+
053	I	127	(G,X	) CS	3.0+ 8	8.0+ 9	SWD	THEO	NP/A	197	71	72	LINDGREN+ SPALLATION REACTION	+
053	I	127	(G,X	) CS	5.0+ 7	1.5+ 8	MRY	THEO	PR/C	16	1812	77	WU+ PRE-EQUILIBRIUM ANALYSES	
053	I	127	(G,XN	) CS		8.3+ 8	SWD	EXPT	NP/A	107	52	68	JONSSON+ SIGMA CURVE	+
053	I	127	(G,XN	) CS	8.5+ 6	2.5+ 7	SAC	EXPT	NP/A	133	417	69	BERGERE+ SIGMA CURVE	+
053	I	127	(G,XN	) CS	7.5+ 7	9.0+ 8	SWD	EXPT	NP/A	141	355	70	JONSSON+ SIGMA PLOT,X=6 - 9	+
053	I	127	(G,2N	) CS	1.8+ 7		HUN	EXPT	NP	2	371	56	EROE SIGMA DATA	+
053	I	127	(G,2N	) CS		2.2+ 7	BZL	EXPT	NP	22	484	61	NASCIMENTO+ SIGMA CURVE	+
053	I	127	(G,2N	) CS	1.4+ 7	3.0+ 7	LRL	EXPT	PR	148	1198	66	BRAMBLETT+ SIGMA CURVE	+
053	I	127	(G,3N	) CS	2.0+ 6	5.5+ 6	ITY	EXPT	NP/A	126	505	69	DE CARVALHO+ SIGMA PLOT	+
053	I	127	(E,ABSORPTION)	CS	0. + 0	1.4+ 0	USA	EVAL	PR	109	2012	58	BIONDI+ ABSOLUT.SIGMA FOR E-ATTACH	+
053	I	127	(E,ABSORPTION)	CS	8.0+ 4	1.8+ 5	GER	EXPT	ZP	246	407	71	FRIEDRICH ANNIHILAT.SIGMA	+
053	I	127	(N,G	) CS	2.0+ 4	1. + 6	CAL	EXPT	PR	113	256	59	BAME+ SIGMA CURVE	+
053	I	127	(N,G	) CS	1.3+ 5	1.8+ 6	ANL	EXPT	PR	133	B378	64	COX SIGMA CURVE	+
053	I	127	(N,G	) CS	2.4+ 4		UK	EXPT	NP/A	71	417	65	ROBERTSON SIGMA VALUE	+
053	I	127	(N,G	) CS	1.4+ 7		GER	EXPT	NP/A	111	360	68	DINTER SIGMA VALUE	+
053	I	127	(N,G	) CS	2.1+ 6	1.4+ 7	RPI	THEO	PR	184	1201	69	SPERBER SIGMA TBL	+
053	I	127	(N,G	) CS	1.4+ 7		YUG	EXPT	NP/A	158	251	70	CVELBAR+ ACTIVATION SIGMA	+
053	I	127	(N,G	) CS	1.5+ 7		FR	EXPT	NSE	55	17	74	RIGAUD+ SIGMA TABLE	+
053	I	127	(N,G	) CS	3. + 3	2.2+ 6	ORL	EXPT	NSE	85	350	83	MACKLIN SIGMA TABLE	+
053	I	127	(N,G	) CS	1.4+ 7		YUG	COMP	ZP/A	332	163	89	CVELBAR+ ACTIV.&INTEG. SIGMA	+
053	I	127	(N,G	) CS	1.4+ 7		CSR	THEO	ZP/A	332	163	89	CVELBAR+ INTERGAT.SIGMA	+
053	I	127	(N,G	) ED	PILE		CCP	EXPT	NP	4	91	57	ESTULIN+ N-CAPT.SOFT GAMMA	
053	I	127	(N,G	) YD	2.0+ 4	4.0+ 6	USA	EXPT	PR	114	201	59	GABBARD+ NEUTRON RESONANCE	

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

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

ELEMENT Z S A	QUANTITY	ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
054 XE 131	(N,G) YD	2.5- 2		CCP	EXPT	SNP	13	647	71	GROSHEV+ GAMMA TRANSITION	
054 XE 131	(N,G) YD	1.4+ 1		BNL	EXPT	PR/C	3	1678	71	GELLETHY+ RES. CAPT. GAMMA	
054 XE 132	(N,G) CS	2.5- 2		USA	EXPT	NP/A	120	329	68	KONDAIAH+ ACTIVAT.SIGMA/ISOMER R	+
054 XE 134	(N,G) CS	2.5- 2		USA	EXPT	NP/A	120	329	68	KONDAIAH+ ACTIVAT.SIGMA/ISOMER R	+
054 XE 135	(N,G) CS	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	DAVYDOV+	+
054 XE 136	(N,G) CS	2.5- 2		USA	EXPT	NP/A	120	329	68	KONDAIAH+ ACTIVAT.SIGMA/ISOMER R	+
054 XE 136	(N,G) ED	2.5- 2		LRL	EXPT	PR/C	16	1001	77	PRUSSIN+ XE=137 LEVELS	
054 XE 136	(A,G) CS		3.5+ 7	WAS	EXPT	PR	114	305	59	BALL+ SIGMA CURVE	+

ELEMENT Z S A	QUANTITY	ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
055 CS 133	(G,N) CS	7.7+ 6	1.1+ 7	USA	EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
055 CS 133	(G,N) CS	2.0+ 6	3.0+ 7	LRL	EXPT	PR	177	1745	69	BERMAN+ SIGMA CURVE	+
055 CS 133	(G,N) YD	9.7+ 6		CAN	EXPT	ZP/A	322	597	85	TSAI+ N-CAPT.GAMMA SOURCE	
055 CS 133	(G,P) CS	1.8+ 7		HUN	EXPT	NP	8	650	58	KESZTHELYI+ SIGMA TBL	+
055 CS 133	(G,PION -) YD	3.0+ 8	1.0+ 9	JPN	EXPT	PR/C	42	1545	90	SAKAMOTO+ BA ISOTOPES YIELD CURVE	+
055 CS 133	(G,PION) YD	3.0+ 7	1.1+ 9	JPN	EXPT	PR/C	42	1545	90	SAKAMOTO+ YIELD CURVE	
055 CS 133	(E,SCATTERING) CS	NDG		LAS	THEO	PR	131	2101	63	STONE+ SIGMA CURVE	+
055 CS 133	(E,X) CS	6. - 2	7.1- 2	UI	EXPT	PR	128	2679	62	CHEN+ COLLISION SIGMA	
055 CS 133	(N,G) CS	2. + 3	8. + 4	CCP	THEO	NP	45	156	63	NEMIROVSKY+ CAL.SIGMA CURVE	+
055 CS 133	(N,G) CS	1.0+ 4	1.5+ 5	GER	EXPT	NP/A	133	513	69	KOMPE SIGMA CURVE	+
055 CS 133	(N,G) CS	2.7+ 3	6.0+ 5	ORL	EXPT	NSE	81	418	82	MACKLIN AV.SIGMA TABLE	+
055 CS 133	(N,G) ED	1.4+ 7		FR	EXPT	NP/A	176	545	71	RIGAUD+ GAMMA SPECTRA	
055 CS 133	(N,G) YD	2.0+ 4	3.0+ 5	SWD	EXPT	NP	39	529	62	BERGQVIST+ N-CAPT.GAMMA	
055 CS 133	(N,G) YD	2.5- 2		ANL	EXPT	NP/A	60	241	64	BISHOP+ ISOMER RATIO	
055 CS 133	(N,G) YD	2.5- 2		CAN	EXPT	NP/A	83	241	66	ARCHER+ GAMMA INTENSITY	
055 CS 133	(N,G) YD	2.5- 2		CAN	EXPT	NP/A	138	392	69	KORTELING+ TRANSITION GAMMA	
055 CS 133	(N,G) YD	2.5- 2		KFK	EXPT	NP/A	147	150	70	EICHLER+ CIRCULAR POLARIZATION	
055 CS 133	(N,G) YD	2.5- 2		CCP	EXPT	NP/A	248	249	75	ALEXEEV+ GAMMA TRANSIT.	
055 CS 134	(N,G) YD	2.5- 2		CCP	EXPT	NP/A	248	249	75	ALEXEEV+ GAMMA TRANSIT.	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
055 CS 135	(N,G	) CS	PILE		CAN	EXPT	CJP	36	863	58	BAERG+ EFFECTIV.SIGMA VALUE	+

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

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
057 LA 000	(G,F	) CS	3.0+ 8	9.0+ 8	SWD	EXPT	NP/A	167	97	71	METHASIRI+ SIGMA PLOT & TABLE	+
057 LA 000	(G,N	) AD	5.5+ 7		USA	EXPT	NP	30	201	62	REINHARDT+ ANGL.DIST.OF NEUTRON	
057 LA 000	(G,N	) AD	NDG		GER	THEO	ZP	179	256	64	HEISS DIFF.SIGMA	+
057 LA 000	(G,N	) CS		2.1+ 7	SAC	EXPT	NP	32	236	62	MILLER+ INTEGRAT.SIGMA VALUE	+
057 LA 000	(G,N	) CS	8. + 6	3.0+ 7	VIR	EXPT	PR	134	B557	64	RICE+ SIGMA CURVE	+
057 LA 000	(E,INELASTIC	) AD	5.0+ 7	6.5+ 7	GER	EXPT	ZP	260	283	73	PITTHAN DIFF.SIGMA CURVE	+
057 LA 139	(G,G	) YD	NDG		ISL	EXPT	PR/C	2	1938	70	MOREH+ LEVEL ENERGY	
057 LA 139	(G,INELASTIC	) YD	6.1+ 6	8.6+ 6	ISL	EXPT	NP/A	148	369	70	SZICHMAN+ PHOTON EXCITATION	
057 LA 139	(G,N	) CS	7.7+ 6	1.1+ 7	USA	EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
057 LA 139	(G,XN	) CS	8.5+ 6	2.6+ 7	SAC	EXPT	NP/A	121	463	68	BERGERE+ MONOCHRO.PHOTON SIGMA	+
057 LA 139	(G,XN	) CS	9. + 6	2.4+ 7	CCP	EXPT	NP/A	172	426	71	BEIL+ SIGMA CURVE	+
057 LA 139	(G,XN	) CS	8. + 6	2.4+ 7	AUL	EXPT	NP/A	191	305	72	DEAGUE+ SIGMA CURVE	+
057 LA 139	(E,ELASTIC	) AD	2.3+ 8		CCP	EXPT	NP/A	101	187	67	SHEVCHENKO+ DIFF.SIGMA CURVE/TBL	+
057 LA 139	(E,EP	) YD	NDG		TOH	THEO	PR/C	3	2006	71	SHODA+ MATRIX ELEMENT	
057 LA 139	(E,INELASTIC	) DD	1.4+ 7	1.7+ 7	TOH	EXPT	NP/A	294	141	78	UEGAKI+ DIF. SIGMA	+
057 LA 139	(E,P	) CS	1.5+ 7	2.5+ 7		EXPT	NP/A	341	125	80	UEGAKI+ ALSO PHOTON SPECTRA	
057 LA 139	(E,P	) DD	1.4+ 7	1.7+ 7	TOH	EXPT	NP/A	294	141	78	UEGAKI+ DIF. SIGMA	+
057 LA 139	(N,G	) CS	1.5+ 7		USA	EXPT	PR	118	242	60	WILLE+ SIGMA TBL	+
057 LA 139	(N,G	) CS	1.4+ 7		HUN	EXPT	NP/A	95	229	67	CSIKAI+ SIGMA TABLE	+
057 LA 139	(N,G	) CS	1.5+ 7		FR	EXPT	NSE	55	17	74	RIGAUD+ SIGMA TABLE	+
057 LA 139	(N,G	) CS	PILE		GER	EXPT	ZP/A	272	273	75	MANNHART ACTIVATION SIGMA VALUE	+
057 LA 139	(N,G	) ED	1.4+ 7		FR	EXPT	NP/A	176	545	71	RIGAUD+ GAMMA SPECTRA	
057 LA 139	(N,G	) ED	PILE		CAN	EXPT	CJP	68	1237	90	ISLAM+ GAMMA INTENSITY	
057 LA 139	(N,G	) YD	2.5- 2		CAN	EXPT	NP/A	89	241	66	HUGHES+ GAMMA INTENSITY	
057 LA 139	(N,G	) YD	2.5- 2		LRL	EXPT	PR/C	2	2323	70	JURNEY+ GAMMA INTENSITY	
057 LA 139	(N,G	) YD	2.5- 2		GER	EXPT	NP/A	165	560	71	DJADALI+ LEVEL SPIN	
057 LA 139	(D,G	) CS	6. + 6	1.8+ 7	UK	EXPT	NP/A	119	673	68	DALY+ SIGMA CURVE	+
057 LA 139	(A,G	) CS	1.0+ 7	3.6+ 7	UK	EXPT	NP/A	119	673	68	DALY+ SIGMA CURVE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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	ZP	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+ GDR 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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
059 PR 139	(G,N)	CS	1.0+ 7	2.8+ 7	ITY	EXPT	NP	27	25	61	BORELLO+ SIGMA CURVE	+
059 PR 139	(G,2N)	CS	1.7+ 7	2.8+ 7	ITY	EXPT	NP	27	25	61	BORELLO+ SIGMA CURVE	+
059 PR 141	(G,G)	CS	6.9+ 6		ISL	EXPT	NP/A	218	95	74	TENENBAUM+ SCATT.SIGMA TBL	+
059 PR 141	(G,G)	YD	4.8+ 6	7.5+ 6	ISL	EXPT	PR	178	1961	69	MOREH+ PR-141 LEVEL	
059 PR 141	(G,INELASTIC)	AD	6. + 6	8. + 6	USA	EXPT	NP/A	137	115	69	MICHALK+ LEVEL SCHEME	
059 PR 141	(G,INELASTIC)	YD	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)	AD	5.5+ 7		USA	EXPT	NP	30	201	62	REINHARDT+ ANGL.DIST.OF NEUTRON	
059 PR 141	(G,N)	CS		3.0+ 7	ITY	EXPT	NP	10	423	59	FERRERO+ SIGMA CURVE	+
059 PR 141	(G,N)	CS	4.4+ 5	1.8+ 7	AUL	EXPT	NP	23	468	61	COOTE+ SIGMA VALUE	+
059 PR 141	(G,N)	CS	2.1+ 7		PEN	EXPT	PR	126	709	62	BIANCO+ ACTIVATION SIGMA VALUE	+
059 PR 141	(G,N)	CS	8. + 6	3.0+ 7	VIR	EXPT	PR	134	B557	64	RICE+ SIGMA CURVE	+
059 PR 141	(G,N)	CS	8. + 6	6.5+ 7	USA	EXPT	PR	143	730	66	COOK+ SIGMA CURVE	+
059 PR 141	(G,N)	CS	8.5+ 6	3.0+ 7	LRL	EXPT	PR	148	1198	66	BRAMBLETT+ SIGMA CURVE	+
059 PR 141	(G,N)	CS	7.7+ 6	1.1+ 7	USA	EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
059 PR 141	(G,N)	CS	9. + 6	1.7+ 7	AUL	EXPT	NP/A	109	385	68	CANNINGTON+ SIGMA CURVE	+
059 PR 141	(G,N)	CS	9. + 6	3.3+ 7	GER	EXPT	NP/A	181	477	72	DREYER+ SIGMA CURVE,INTEGRAT.SIGMA	+
059 PR 141	(G,N)	ED	2.2+ 7	2.8+ 7	CAN	EXPT	CJP	48	950	70	MCNEILL+ N SPECTRUM	
059 PR 141	(G,P)	AD	2.3+ 7	3.4+ 7	CCP	EXPT	NP	37	495	62	SHEVCHENKO+ ANGL.& ENERG.DIST.	
059 PR 141	(G,XN)	CS	9. + 6	2.4+ 7	CCP	EXPT	NP/A	172	426	71	BEIL+ SIGMA CURVE	+
059 PR 141	(G,XN)	CS	8. + 6	2.4+ 7	AUL	EXPT	NP/A	191	305	72	DEAGUE+ SIGMA CURVE	+
059 PR 141	(G,2N)	CS		3.0+ 7	ITY	EXPT	NP	10	423	59	FERRERO+ SIGMA CURVE	+
059 PR 141	(G,2N)	CS	1.6+ 7	3.0+ 7	LRL	EXPT	PR	148	1198	66	BRAMBLETT+ SIGMA CURVE	+
059 PR 141	(G,3N)	CS		3.3+ 7	BZL	EXPT	NP	26	321	61	MOSCATI INTEGRAL SIGMA	+
059 PR 141	(G,3N)	CS	2.8+ 7	3.3+ 7	LRL	EXPT	PR	148	1198	66	BRAMBLETT+ SIGMA CURVE	+
059 PR 141	(E,EP)	YD	NDG		TOH	THEO	PR/C	3	2006	71	SHODA+ MATRIX ELEMENT	
059 PR 141	(E,INELASTIC)	AD	5.0+ 7	6.5+ 7	GER	EXPT	ZP	260	283	73	PITTHAN DIFF.SIGMA CURVE	+
059 PR 141	(E,INELASTIC)	DD	1.4+ 7	1.7+ 7	TOH	EXPT	NP/A	294	141	78	UEGAKI+ DIF. SIGMA	+
059 PR 141	(E,P)	CS	1.5+ 7	2.5+ 7		EXPT	NP/A	341	125	80	UEGAKI+ ALSO PHOTON SPECTRA	
059 PR 141	(E,P)	DD	1.4+ 7	1.7+ 7	TOH	EXPT	NP/A	294	141	78	UEGAKI+ DIF. SIGMA	+
059 PR 141	(N,G)	CS	1.5+ 7		USA	EXPT	PR	118	242	60	WILLE+ SIGMA TBL	+
059 PR 141	(N,G)	CS	1.3+ 7	1.5+ 7	HUN	EXPT	NP/A	95	229	67	CSIKAI+ SIGMA TABLE	+
059 PR 141	(N,G)	CS	1.4+ 7		YUG	COMP	ZP/A	332	163	89	CVELBAR+ ACTIV.&INTEG. SIGMA	+
059 PR 141	(N,G)	CS	1.4+ 7		CSR	THEO	ZP/A	332	163	89	CVELBAR+ INTERGAT.SIGMA	+
059 PR 141	(N,G)	YD	2.5- 2		CAN	EXPT	NP/A	89	241	66	HUGHES+ GAMMA INTENSITY	
059 PR 141	(N,G)	YD	2.5- 2		KFK	EXPT	NP/A	147	150	70	EICHLER+ CIRCULAR POLARIZATION	
059 PR 141	(N,G)	YD	3.4- 2		NED	EXPT	NP/A	157	577	70	MELLEMA+ GAMMA INTENSITY	
059 PR 141	(N,G)	YD	PILE		MCM	EXPT	CJP	59	1212	81	KENNETT+ PR-142 LEVEL	
059 PR 141	(P,G)	AD	6. + 6	1.7+ 7	USA	EXPT	NP/A	195	78	72	HASINOFF+ DIFF.SIGMA CURVE	+
059 PR 143	(N,G)	CS	PILE		CRL	EXPT	CJP	37	907	59	ROY+ EFF.SIGMA, RES.INTEGRAL	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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	SMEND+ 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	PITZ+ RES.FLUORESC.,GAMMA WIDTH	
060	ND	142	(G,INELASTIC	) YD		4.1+ 6	ZZZ	EXPT	NP/A	506	223	90	HEIL+ PARITY ASIGNMENT	
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	TOH	EXPT	PR/C	4	1842	71	SHODA+ PROTON SPECTRA	
060	ND	142	(N,G	) YD		1.0+ 3	CCP	EXPT	SNP	8	371	69	KARZHAVINA+ RES.PARAM.	
060	ND	142	(N,G	) YD	2.5- 2		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	METZGER 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	2.5- 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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
060 ND 145	(N,G	) YD		1.0+ 3	CCP	EXPT	SNP	8	371	69	KARZHAVINA+ RES.PARAM.	
060 ND 145	(N,G	) YD	2.5- 2		CCP	EXPT	SNP	6	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	YAL	EXPT	NP/A	168	97	71	MADSEN+ SIGMA RATIO	
060 ND 146	(E,INELASTIC	) XX	4.0+ 7	6.0+ 7	YAL	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		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	ZZZ	EXPT	NP/A	506	223	90	HEIL+ PARITY ASIGNMENT	
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	YAL	EXPT	NP/A	168	97	71	MADSEN+ SIGMA RATIO	
060 ND 150	(E,INELASTIC	) XX	4.0+ 7	6.0+ 7	YAL	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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
061 PM 147	(N,G) CS	PILE		CRL	EXPT	CJP	49	108	71	MOWATT+ SIGMA VALUE	+

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

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
062	SM	149	(N,G	) XX	4. - 2	3.4+ 1	BNL	EVAL	NP/A	236	198	74	BECVAR+ RESONANCE ANALYSIS	
062	SM	149	(N,G	) YD	2.5- 2		CCP	EXPT	NP	43	669	63	GROSHEV+ GAMMA ENERG.& INTENSITY	
062	SM	149	(N,G	) YD	2.5- 2		ANL	EXPT	PR	150	964	66	SMITHER GAMMA SPECTRA	
062	SM	149	(N,G	) YD	2.5- 2		ANL	EXPT	PR/C	2	1513	70	BUSS+ LEVEL STRUCTURE	
062	SM	149	(N,G	) YD	4. - 2	3.4+ 1	BNL	EXPT	NP/A	236	173	74	BECVAR+ RESONANCE LEVELS	
062	SM	149	(N,G	) YD	2. + 3	2.4+ 4	BNL	EXPT	PR/C	24	1419	81	STELTS+ LEVEL DENSITY	
062	SM	150	(G,G	) YD	1.2+ 6	3.8+ 6	BAR	EXPT	PR/C	14	543	76	METZGER LEVEL WIDTHS	
062	SM	150	(G,N	) CS	7. + 6	3.0+ 7	SAC	EXPT	NP/A	225	171	74	CARLOS+ SIGMA CURVE & TBL	+
062	SM	150	(G,2N	) CS	7. + 6	3.0+ 7	SAC	EXPT	NP/A	225	171	74	CARLOS+ SIGMA CURVE & TBL	+
062	SM	150	(E,INELASTIC	) YD	2.5+ 8	4.0+ 8	TEL	THEO	PR/C	24	80	81	MOINESTER+ CHARG.&TRANSIT.DENSIT.	
062	SM	150	(N,G	) YD	2.5- 2		CCP	EXPT	SNP	13	387	71	GROSHEV+ N-CAPT.GAMMA SPECTRA	
062	SM	150	(N,G	) YD	2.5- 2		BLG	EXPT	PR/C	33	1141	86	VANDENPUT+ SM-151 LEVEL SCHEME	
062	SM	151	(N,G	) CS		2.5+ 3	KAP	EXPT	PR/C	11	895	75	KIROUAC+ SIGAM CURVE	+
062	SM	151	(N,G	) YD	2.5- 2		CCP	EXPT	SNP	13	387	71	GROSHEV+ N-CAPT.GAMMA SPECTRA	
062	SM	152	(G,G	) CS	9.6+ 5		CCP	EXPT	SNP	5	176	67	BEGZHANOV+ RES.FLUORESC.SIGMA TBL	+
062	SM	152	(G,G	) YD	9.6+ 5		GER	EXPT	ZP	196	129	66	KALUS+ RES.FLUORESCENCE	
062	SM	152	(G,N	) CS	7. + 6	3.0+ 7	SAC	EXPT	NP/A	225	171	74	CARLOS+ SIGMA CURVE & TBL	+
062	SM	152	(G,2N	) CS	7. + 6	3.0+ 7	SAC	EXPT	NP/A	225	171	74	CARLOS+ SIGMA CURVE & TBL	+
062	SM	152	(E,INELASTIC	) AD	NDG		FR	REVW	NP/A	358	7	81	ABGRALL SIGMA CURVE	+
062	SM	152	(E,INELASTIC	) CS	3.5+ 7	1.1+ 8	MIT	EXPT	PR/C	13	1083	76	COOPER+ SIGMA	+
062	SM	152	(E,INELASTIC	) DD	1.5+ 8	2.2+ 8		EXPT	PR/C	25	2255	82	DOLBIKIN+	
062	SM	152	(E,INELASTIC	) YD	2.5+ 8	4.0+ 8	TEL	THEO	PR/C	24	80	81	MOINESTER+ CHARG.&TRANSIT.DENSIT.	
062	SM	152	(E,SCATTERING)	AD	5.0+ 7	1.1+ 8	USA	THEO	PR/C	10	2002	74	MERCER+ DIFF.SIGMA CURVE	+
062	SM	152	(E,SCATTERING)	AD	1.1+ 8		GER	THEO	ZP/A	276	309	76	HACHENBERG+EIKONAL EXPANSION METH	
062	SM	152	(E,SCATTERING)	CS	2.5+ 8	5.0+ 8	SAC	EXPT	PR/C	38	1173	88	GIROD+ SIGMA	+
062	SM	152	(N,G	) CS	2.5- 2		USA	EXPT	NP/A	171	113	71	BENNETT+ PARTIAL SIGMA TABLE	+
062	SM	152	(N,G	) YD	2.5- 2		GER	EXPT	PR	187	1632	69	SMITHER+ SM-153 LEVEL	
062	SM	154	(G,ABSORPTION)	CS	7. + 6	2.0+ 7		EXPT	NP/A	338	97	80	GUREVICH+	
062	SM	154	(G,ABSORPTION)	CS	7. + 6	2.0+ 7	CCP	EXPT	NP/A	351	257	81	GUREVICH+ TOT.ABSORPT.SIGMA CURVE	+
062	SM	154	(G,G	) YD	1.2+ 6	3.8+ 6	BAR	EXPT	PR/C	14	543	76	METZGER LEVEL WIDTHS	
062	SM	154	(G,N	) CS	7. + 6	3.0+ 7	SAC	EXPT	NP/A	225	171	74	CARLOS+ SIGMA CURVE & TBL	+
062	SM	154	(G,2N	) CS	7. + 6	3.0+ 7	SAC	EXPT	NP/A	225	171	74	CARLOS+ SIGMA CURVE & TBL	+
062	SM	154	(E,F	) CS	6.0+ 7	1.0+ 9	LRL	EXPT	PR	179	1176	69	MORETTO+ SIGMA TBL	+
062	SM	154	(E,INELASTIC	) CS	3.5+ 7	1.1+ 8	MIT	EXPT	PR/C	13	1083	76	COOPER+ SIGMA	+
062	SM	154	(E,INELASTIC	) XX	NDG		GER	THEO	NP/A	509	509	90	LIPAS+ FORM FACTOR	
062	SM	154	(E,SCATTERING)	AD	5.0+ 7	2.5+ 8	USA	THEO	PR/C	10	2002	74	MERCER+ DIFF.SIGMA CURVE	+
062	SM	154	(E,SCATTERING)	AD	2.5+ 8		GER	THEO	ZP/A	276	309	76	HACHENBERG+EIKONAL EXPANSION METH	
062	SM	154	(N,G	) CS	5. + 3	1.6+ 5	USA	EXPT	NSE	49	317	72	FAWCETT+ SIGMA CURVE	+
062	SM	154	(N,G	) YD	2. + 3	2.4+ 4	BNL	EXPT	PR/C	24	1419	81	STELTS+ LEVEL DENSITY	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
063	EU	000	(N,G	) CS		5.0+ 4	CCP	EXPT	SNP	7	310	68	KONKS+ SIGMA CURVE	+
063	EU	000	(N,G	) CS	3.0+ 4	3.0+ 5	BZL	EXPT	NP/A	196	83	72	LEPINE+ SIGMA TABLE	+
063	EU	000	(N,G	) CS	3.4+ 5	1.7+ 6	CPR	EXPT	NSE	104	277	90	XIANG+ SIGMA TABLE	+
063	EU	151	(G,N	) CS	7.7+ 6	1.1+ 7	USA	EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
063	EU	151	(G,N	) CS	7. + 6	2.2+ 7	CCP	EXPT	SNP	13	259	71	VASIL'EV+ SIGMA CURVE	+
063	EU	151	(G,N	) CS	8. + 6	2.5+ 7	AML	EXPT	NP/A	406	257	83	BOAL+ SIGMA CURV,INTEG.SIGMA TBL	+
063	EU	151	(N,G	) CS		5.0+ 4	CCP	EXPT	SNP	7	310	68	KONKS+ SIGMA CURVE	+
063	EU	151	(N,G	) CS	1. - 2	1. + 6	ITY	EVAL	NSE	37	478	69	ORESTANO+ ACTIVATION SIGMA CURVE	+
063	EU	151	(N,G	) CS	2.5+ 4		IND	EXPT	PR/C	6	572	72	LAKSHMANA+ ISOMERIC SIGMA	+
063	EU	151	(N,G	) CS	1. - 2	1.0+ 1	SWT	EXPT	NSE	60	53	76	WIDDER+ SIGMA CURVE	+
063	EU	151	(N,G	) CS	3. + 3	2.2+ 6	ORL	EXPT	NSE	95	189	87	MACKLIN AV.SIGMA TABLE & CURVE	+
063	EU	151	(N,G	) CS	1. + 5	2.0+ 6	CPR	THEO	NSE	104	277	90	XIANG+ SIGMA TABLE	+
063	EU	151	(N,G	) YD	PILE		BNL	EXPT	PR	115	1287	59	PATRONIS+ NEUT.CAPT.GAMMA	
063	EU	151	(N,G	) YD	2.5- 2		KFK	EXPT	NP/A	155	21	70	MICHAELIS GAMMA INTENSITY	
063	EU	151	(N,G	) YD	2.5- 2		GER	EXPT	ZP/A	322	669	85	EGIDY+ 2200M/S SIGMA	+
063	EU	151	(A,G	) CS	2. - 2	7.5- 1	MOL	EXPT	NP/A	172	489	71	POORTMANS+ ISOMER RATIO	+
063	EU	153	(G,G	) YD	9.8+ 4		UK	EXPT	NP/A	58	407	64	HAMILTON+ MEAN LIFE, DEFORMATION	
063	EU	153	(G,N	) CS	7.7+ 6	1.1+ 7	USA	EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
063	EU	153	(G,N	) CS	8.5+ 6	2.9+ 7	LRL	EXPT	PR	185	1576	69	BERMAN+ SIGMA CURVE	+
063	EU	153	(G,N	) CS	7. + 6	2.2+ 7	CCP	EXPT	SNP	13	259	71	VASIL'EV+ SIGMA CURVE	+
063	EU	153	(G,N	) CS	8. + 6	2.5+ 7	AML	EXPT	NP/A	406	257	83	BOAL+ SIGMA CURV,INTEG.SIGMA TBL	+
063	EU	153	(N,G	) CS		5.0+ 4	CCP	EXPT	SNP	7	310	68	KONKS+ SIGMA CURVE	+
063	EU	153	(N,G	) CS	1. - 2	1.0+ 1	SWT	EXPT	NSE	60	53	76	WIDDER+ SIGMA CURVE	+
063	EU	153	(N,G	) CS	3. + 3	2.2+ 6	ORL	EXPT	NSE	95	189	87	MACKLIN AV.SIGMA TABLE & CURVE	+
063	EU	153	(N,G	) CS	1. + 5	2.0+ 6	CPR	THEO	NSE	104	277	90	XIANG+ SIGMA TABLE	+
063	EU	153	(N,G	) YD	PILE		BNL	EXPT	PR	115	1287	59	PATRONIS+ NEUT.CAPT.GAMMA	
063	EU	153	(N,G	) YD	2.5- 2		GER	EXPT	ZP/A	282	97	77	STOEFFL+ LEVEL SCHEME OF EU-154	
063	EU	153	(N,G	) YD	PILE		ROS	EXPT	NP/A	417	1	84	ROTTER+ EU154 LVL TBL	
063	EU	153	(N,G	) YD	2.5- 2		CCP	EXPT	NP/A	455	1	86	PROKOFJEV+ EU-155 LEVEL	
063	EU	154	(N,G	) YD	2.5- 2		CCP	EXPT	NP/A	455	1	86	PROKOFJEV+ EU-155 LEVEL	
063	EU	154	(D,G	) CS	7.5+ 6	1.8+ 7		EXPT	ZP/A	306	367	82	GIPPERT+	
063	EU	155	(N,G	) CS	PILE		CRL	EXPT	CJP	48	1933	70	MOWATT EFF.ABORPT.SIGMA	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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	SWD	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	ZP	263	147	73	BOCK+ POLARIZATION	
064	GD	000	(E,ABSORPTION)	XX	5.3+ 7	9.3+ 7	USA	EXPT	ZP	271	69	74	BUSKIRK+ MOST PROBABLE ENERGY LOSS	
064	GD	000	(N,G)	CS	1. + 3	7.5+ 5	USA	EXPT	NP/A	146	337	70	FRIESENHAHN+ AVERAGE SIGMA	+
064	GD	000	(N,G)	CS	3.0+ 4	3.0+ 5	BZL	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+	
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	COL	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	FRIESENHAHN+ 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	ZP/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+	
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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
064 GD 156	(G,N)	CS	7. + 6	2.2+ 7	CCP	EXPT	SNP	13	259	71	VASIL'EV+ SIGMA CURVE	+
064 GD 156	(G,N)	CS	8. + 6	2.5+ 7	AML	EXPT	NP/A	406	257	83	BOAL+ SIGMA CURV,INTEG.SIGMA TBL	+
064 GD 156	(G,N)	CS	8. + 6	2.5+ 7	AML	EXPT	NP/A	406	257	83	BOAL+ SIGMA CURV,INTEG.SIGMA TBL	+
064 GD 156	(E,INELASTIC)	XX	NDG		GER	THEO	NP/A	509	509	90	LIPAS+ FORM FACTOR	
064 GD 156	(N,G)	CS	5. + 3	7.0+ 4	CCP	EXPT	SNP	19	2	74	SHORIN+ SIGMA CURVE	+
064 GD 156	(N,G)	YD	NDG		CCP	EXPT	SNP	9	523	69	KARZHAVINA+ RES.PARAM.	
064 GD 157	(E,INELASTIC)	XX	NDG		GER	THEO	NP/A	509	509	90	LIPAS+ FORM FACTOR	
064 GD 157	(N,G)	CS	1. + 3	7.5+ 5	USA	EXPT	NP/A	146	337	70	FRIESENHAHN+ AVERAGE SIGMA	+
064 GD 157	(N,G)	CS	5. + 3	7.0+ 4	CCP	EXPT	SNP	19	2	74	SHORIN+ SIGMA CURVE	+
064 GD 157	(N,G)	XX	NDG		ANL	EVAL	PR/C	2	1951	70	BOLLINGER+ N-CAPT.RESONANCE DIST.	
064 GD 157	(N,G)	YD	PILE		CRL	EXPT	CJP	37	203	59	KNOWLES GAMMA YIELD	
064 GD 157	(N,G)	YD	NDG		CCP	EXPT	SNP	9	523	69	KARZHAVINA+ RES.PARAM.	
064 GD 157	(N,G)	YD	2.5- 2		KFK	EXPT	NP/A	147	150	70	EICHLER+ CIRCULAR POLARIZATION	
064 GD 157	(N,G)	YD	NDG		CCP	EXPT	SNP	52	401	90	BELYAEV+ GAMMA MULTIPLICITY	
064 GD 158	(G,G)	YD	3.5+ 6	4.1+ 6	JLU	EXPT	NP/A	492	411	89	PITZ+ GD-158 LEVEL	
064 GD 158	(G,N)	CS	7. + 6	2.2+ 7	CCP	EXPT	SNP	13	259	71	VASIL'EV+ SIGMA CURVE	+
064 GD 158	(E,INELASTIC)	XX	NDG		GER	THEO	NP/A	509	509	90	LIPAS+ FORM FACTOR	
064 GD 158	(N,G)	AD		1.0+ 4	COL	EXPT	PR/C	10	1904	74	RAHN+ RESONANCE PARAM.	
064 GD 158	(N,G)	CS	5. + 3	7.0+ 4	CCP	EXPT	SNP	19	2	74	SHORIN+ SIGMA CURVE	+
064 GD 158	(N,G)	YD	NDG		CCP	EXPT	SNP	9	523	69	KARZHAVINA+ RES.PARAM.	
064 GD 160	(G,G)	YD	3.5+ 6	4.1+ 6	JLU	EXPT	NP/A	492	411	89	PITZ+ GD-160 LEVEL	
064 GD 160	(G,N)	CS	7.4+ 6	3.0+ 7	LRL	EXPT	PR	185	1576	69	BERMAN+ SIGMA CURVE	+
064 GD 160	(G,N)	CS	7. + 6	3.3+ 7	GER	EXPT	NP/A	192	433	72	DREYER+ SIGMA PLOT	+
064 GD 160	(G,P)	CS	7. + 6	3.3+ 7	GER	EXPT	NP/A	192	433	72	DREYER+ SIGMA PLOT	+
064 GD 160	(G,PN)	CS	7. + 6	3.3+ 7	GER	EXPT	NP/A	192	433	72	DREYER+ SIGMA PLOT	+
064 GD 160	(N,G)	AD		1.0+ 4	COL	EXPT	PR/C	10	1904	74	RAHN+ RESONANCE PARAM.	
064 GD 160	(N,G)	CS	1.5+ 7		USA	EXPT	PR	118	242	60	WILLE+ SIGMA TBL	+
064 GD 160	(N,G)	CS	5. + 3	1.6+ 5	USA	EXPT	NSE	49	317	72	FAWCETT+ SIGMA CURVE	+
064 GD 160	(N,G)	CS	5. + 3	7.0+ 4	CCP	EXPT	SNP	19	2	74	SHORIN+ SIGMA CURVE	+
064 GD 160	(N,G)	CS	4.6+ 5	3.1+ 6	IND	EXPT	CJP	66	330	88	SINGH+ RADIAT.CAPT.SIGMA	+
064 GD 160	(N,G)	YD	NDG		CCP	EXPT	SNP	9	523	69	KARZHAVINA+ RES.PARAM.	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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	LANGEVIN+ 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	B869	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	B869	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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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	LIOU+ 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	LIOU+ 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	LIOU+ 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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
066 DY 163	(N,G)	ED	1. + 0	5. + 0	USA	EXPT	NP/A	82	441	66	VOGT GAMMA SPECTRA	
066 DY 163	(N,G)	YD	2.5- 2		CAL	EXPT	PR	152	1084	66	HAFEMEISTER+ DY-164 LEVEL	
066 DY 163	(N,G)	YD	1. + 0	2.1+ 2	COL	EXPT	PR/C	11	462	75	LIOU+ DY-164 LEVEL SCHEM	
066 DY 163	(N,G)	YD	1.7+ 0	1.4+ 2	CCP	EXPT	SNP	22	1	75	KARZHAVINA+ RESONANCE PARAM.	
066 DY 163	(N,G)	YD	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)	XX	NDG		GER	THEO	NP/A	509	509	90	LIPAS+ FORM FACTOR	
066 DY 164	(N,G)	CS	1.5+ 7		USA	EXPT	PR	118	242	60	WILLE+ SIGMA TBL	+
066 DY 164	(N,G)	CS	2.4+ 4		IND	EXPT	NP/A	66	267	65	CHAUBEY+ ACTIVATION SIGMA VALUE	+
066 DY 164	(N,G)	CS	2.4+ 4		IND	EXPT	NP/A	117	545	68	CHAUBEY+ SIGMA VALUE	+
066 DY 164	(N,G)	CS	2.5+ 4		IND	EXPT	PR/C	6	572	72	LAKSHMANA+ ISOMERIC SIGMA	+
066 DY 164	(N,G)	CS	5. + 3	1.6+ 5	USA	EXPT	NSE	49	317	72	FAWCETT+ SIGMA CURVE	+
066 DY 164	(N,G)	CS	1. + 5	2.5+ 6	USA	EXPT	NP/A	213	349	73	CLARKE+ ISOMERIC RATIO	
066 DY 164	(N,G)	ED	PILE		GER	EXPT	ZP	180	298	64	SCHULT+ GAMMA INTENSITY	
066 DY 164	(N,G)	YD	2.5- 2		KFK	EXPT	ZP	206	84	67	MARKUS+ DY-165 LEVEL	
066 DY 164	(N,G)	YD	1. + 0	2.4+ 3	COL	EXPT	PR/C	11	462	75	LIOU+ DY-165 LEVEL SCHEM	
066 DY 164	(N,G)	YD	PILE		MCM	EXPT	ZP/A	315	103	84	PRESTWICH+ E2 TRANST.WIDTH TBL	
066 DY 164	(N,G)	YD	2.5- 2	2.4+ 4	FR	EXPT	NP/A	514	173	90	KAERTS+ LOW-ENERGY LEVEL	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
067 HO 165	(G,ABSORPTION)	CS	8. + 6	2.2+ 7	GER	THEO	PR	157	1109	67	ARENHOEVEL+ RAMAN SCATT.SIGMA	+
067 HO 165	(G,ABSORPTION)	CS	7. + 6	2.0+ 7		EXPT	NP/A	338	97	80	GUREVICH+	
067 HO 165	(G,ABSORPTION)	CS	7. + 6	2.0+ 7	CCP	EXPT	NP/A	351	257	81	GUREVICH+ TOT.ABSORPT.SIGMA CURVE	+
067 HO 165	(G,ABSORPTION)	CS	2.4+ 8	3.3+ 8	SAC	EXPT	NP/A	431	573	84	CARLOS+ 2PT.,SIGMA PLOT	
067 HO 165	(G,D)	YD	7.0+ 7		CAN	EXPT	NP/A	88	424	66	SCANLON RELATIVE YIELD	
067 HO 165	(G,ELASTIC)	AD	9. + 6	2.3+ 7	GER	THEO	NP/A	86	193	66	ARENHOVEL+ CAL.DIFF.SIGMA CURVE	+
067 HO 165	(G,F)	CS	3.0+ 8	9.0+ 8	SWD	EXPT	NP/A	167	97	71	METHASIRI+ SIGMA PLOT & TABLE	+
067 HO 165	(G,INELASTIC)	AD		4. + 6	GER	EXPT	NP/A	539	478	92	HUXEL+ M1 TRANSIT.STRENGTH	
067 HO 165	(G,INELASTIC)	CS	1.2+ 7	3.0+ 7	FR	EXPT	NP/A	54	114	64	LANGEVIN+ SIGMA & SPECTRUM	+
067 HO 165	(G,N)	AD	5.5+ 7		USA	EXPT	NP	30	201	62	REINHARDT+ ANGL.DIST.OF NEUTRON	
067 HO 165	(G,N)	CS	7.5+ 6	1.1+ 7	PEN	EXPT	PR	121	880	61	WELSH+ SIGMA TBL	+
067 HO 165	(G,N)	CS	7.7+ 6	1.1+ 7	USA	EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
067 HO 165	(G,N)	CS	1.0+ 7	2.1+ 7	LRL	EXPT	PR	179	1194	69	KELLY+ SIGMA CURVE	+
067 HO 165	(G,N)	CS	8.0+ 6	2.9+ 7	LRL	EXPT	PR	185	1576	69	BERMAN+ SIGMA CURVE	+
067 HO 165	(G,N)	ED	9.0+ 7		CAN	EXPT	ZP/A	322	295	85	TSAI+ NEUTRON SPECTRA	
067 HO 165	(G,P)	YD	7.0+ 7		CAN	EXPT	NP/A	88	424	66	SCANLON RELATIVE YIELD	
067 HO 165	(G,SCATTERING)	AD	1.1+ 7	1.9+ 7	UI	EXPT	PR	129	2096	63	TIPLER+ DIFF.SIGMA CURVE/TBL	+
067 HO 165	(G,SCATTERING)	DD		1.1+ 7		EXTH	NIM	166	91	79	MOREH N-CAPT GAMMA SOURCE	
067 HO 165	(G,T)	YD	7.0+ 7		CAN	EXPT	NP/A	88	424	66	SCANLON RELATIVE YIELD	
067 HO 165	(G,TOTAL)	CS	3.8+ 6	3.8+ 6		EXPT	PL/B	114	99	82	ZURMUIHL+	
067 HO 165	(G,XN)	CS	8. + 6	2.3+ 7	NBS	EXPT	NP	30	613	62	FULLER+ SIGMA CURVE	+
067 HO 165	(G,XN)	CS	8.0+ 6	2.5+ 7	LRL	EXPT	PR	129	2723	63	BRAMBLETT+ TOTAL SIGMA CURVE	+

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
067 HO 165	(G,XN)	CS	7. + 6	2.8+ 7	SAC	EXPT	NP/A	121	463	68	BERGERE+ MONOCHRO.PHOTON SIGMA	+
067 HO 165	(G,XN)	CS	8. + 6	2.3+ 7	RUM	EXPT	NP/A	225	157	74	CATANA+ SIGMA CURVE & TBL	+
067 HO 165	(G,XN)	CS		2.0+ 7	MOS	EXPT	SNP	23	609	76	GORYACHEV+ PHOTONEUTRON SIGMA	+
067 HO 165	(G,2N)	CS	1.0+ 7	2.1+ 7	LRL	EXPT	PR	179	1194	69	KELLY+ SIGMA CURVE	+
067 HO 165	(E,INELASTIC)	AD	2.0+ 8		AUI	THEO	PR/C	13	2324	76	RAVENHALL DWBA CALC. SIGMA	+
067 HO 165	(E,INELASTIC)	AD		4. + 6	GER	EXPT	NP/A	539	478	92	HUXEL+ M1 TRANSIT.STRENGTH	
067 HO 165	(E,SCATTERING)	AD	2.0+ 8		DKE	THEO	NP/A	64	231	65	WRIGHT+ SIGMA CURVE	+
067 HO 165	(N,G)	CS	2.4+ 4		IND	EXPT	NP/A	66	267	65	CHAUBEY+ ACTIVATION SIGMA VALUE	+
067 HO 165	(N,G)	CS	9.7+ 5	1.9+ 7	USA	EXPT	PR	163	1299	67	MENLOVE+ ACTIVATION SIGMA TBL	+
067 HO 165	(N,G)	CS	1.3+ 7	1.5+ 7	HUN	EXPT	NP/A	95	229	67	CSIKAI+ SIGMA TABLE	+
067 HO 165	(N,G)	CS		5.0+ 4	CCP	EXPT	SNP	7	310	68	KONKS+ SIGMA CURVE	+
067 HO 165	(N,G)	CS	3.0+ 4	3.0+ 5	BZL	EXPT	NP/A	196	83	72	LEPINE+ SIGMA TABLE	+
067 HO 165	(N,G)	CS		6.0+ 1	ANL	EVAL	NSE	47	246	72	SAGE+ RES.INTEGRAL	+
067 HO 165	(N,G)	CS	5. + 3	1.6+ 5	USA	EXPT	NSE	49	317	72	FAWCETT+ SIGMA CURVE	+
067 HO 165	(N,G)	CS	1.7+ 2	6. + 5	LRL	EXPT	NSE	52	299	73	CZIRR+ SIGMA TABLE	+
067 HO 165	(N,G)	CS	3. + 3	4.5+ 5	ORL	EXPT	NSE	59	231	76	MACKLIN SIGMA CURVE	+
067 HO 165	(N,G)	ED	7. + 6	1.4+ 7		EXPT	NP/A	384	88	82	MCDANIELS+	
067 HO 165	(N,G)	XX	NDG		ANL	EVAL	PR/C	2	1951	70	BOLLINGER+ N-CAPT.RESONANCE DIST.	
067 HO 165	(N,G)	YD	2.5- 2		CCP	EXPT	NP/A	66	325	65	BALODIS+ TRANSIT.GAMMA	
067 HO 165	(N,G)	YD	2.5+ 0	1.0+ 5	HAR	EXPT	NP/A	108	535	68	ASGHAR+ RESONANCE PARAMETER	
067 HO 165	(N,G)	YD	2.5- 2		KFK	EXPT	NP/A	147	150	70	EICHLER+ CIRCULAR POLARIZATION	
067 HO 165	(N,G)	YD	1.8+ 1	8.6+ 1	ANL	EXPT	NP/A	151	569	70	POENITZ+ RESONANCE SPIN	
067 HO 165	(N,G)	YD	2. + 3	2.4+ 4	BNL	EXPT	PR/C	24	1419	81	STELTS+ LEVEL DENSITY	
067 HO 165	(N,G)	YD	PILE		MCM	EXPT	ZP/A	315	103	84	PRESTWICH+ E2 TRANST.WIDTH TBL	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
068 ER 000	(G,ABSORPTION)	CS	8. + 6	2.1+ 7	GER	THEO	PR	157	1109	67	ARENHOEVEL+ RAMAN SCATT.SIGMA	+
068 ER 000	(G,ABSORPTION)	CS	NDG		IND	EXPT	CJP	67	139	89	LINGAM+ TOT.PHOTOELECTRIC SIGMA	+
068 ER 000	(G,ABSORPTION)	CS	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 A	257	378	87	SARMA+	+
068 ER 000	(G,INELASTIC)	CS	1.2+ 7	3.0+ 7	FR	EXPT	NP/A	54	114	64	LANGEVIN+ SIGMA & SPECTRUM	+
068 ER 000	(G,XN)	CS	8. + 6	2.3+ 7	NBS	EXPT	NP	30	613	62	FULLER+ SIGMA CURVE	+
068 ER 000	(G,XN)	CS	7. + 6	2.6+ 7	SAC	EXPT	NP/A	133	417	69	BERGERE+ SIGMA CURVE	+
068 ER 000	(N,G)	CS	3.0+ 4	3.0+ 5	BZL	EXPT	NP/A	196	83	72	LEPINE+ SIGMA TABLE	+
068 ER 000	(N,G)	YD	4.7- 1	9.4+ 0	YAL	EXPT	NP	10	386	59	FENSTERMACHER+ RESONANT N-CAPT.	
068 ER 164	(N,G)	YD		3.0+ 2	CCP	EXPT	SNP	7	161	68	KARZHAVINA+ RES. PARAM.	
068 ER 166	(G,G)	AD	1.6+ 6	4.2+ 6	BAR	EXPT	PR/C	13	626	76	METZGER ER-166 LEVELS	
068 ER 166	(G,XN)	CS		2.0+ 7	MOS	EXPT	SNP	23	609	76	GORYACHEV+ PHOTONEUTRON SIGMA	+
068 ER 166	(E,A)	AD	1.0+ 8		SAS	EXPT	PR/C	18	736	78	MURPHY+ ELECTRO ALPHA PRODUCTION	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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	ORL	EXPT	PR/C	30	807	84	KAHANE+ 86RES.,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 TRANST.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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
069 TM 169	(N,G) CS	5. + 5	3.0+ 6	FR	EXPT	NSE	70	53	79	JOLY+ SIGMA CURVE & TABLE	+
069 TM 169	(N,G) CS	3. + 3	2.0+ 6	ORL	EXPT	NSE	82	143	82	MACKLIN+ RES.PARAM.,SIGMA CURVE	+
069 TM 169	(N,G) ED	5. + 5	3.0+ 6		EXPT	PR/C	20	2072	79	JOLY+ GAM.STRENGTH FUNC.	
069 TM 169	(N,G) YD	2.5- 2		DEN	EXPT	NP/A	102	241	67	ANDREEFF+ ISOMER	
069 TM 169	(N,G) YD		1.4+ 2	BNL	EXPT	PR	174	1512	68	LONE+ GAMMA INTENSITY	
069 TM 169	(N,G) YD		1.6+ 2	SAC	EXPT	NP/A	135	241	69	ALVES+ GAMMA INTENSITY	
069 TM 169	(N,G) YD	1.8+ 1		BNL	EXPT	PR/C	2	2030	70	BHAT+ GAMMA INTENSITY	

ELEMENT Z S A	QUANTITY	ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
070 YB 000	(G,F) CS	3.0+ 8	9.0+ 8	SWD	EXPT	NP/A	167	97	71	METHASIRI+ SIGMA PLOT & TABLE	+
070 YB 000	(E,X) CS	4.9+ 5		HUN	EXPT	ZP	271	207	74	NASR+ POSITRON IMPACT IONIZAT.SIGM	+
070 YB 000	(N,G) CS	3.0+ 4	3.0+ 5	BZL	EXPT	NP/A	196	83	72	LEPINE+ SIGMA TABLE	+
070 YB 168	(N,G) CS	2.5- 2		LAS	EXPT	PR	170	1108	68	SHERA+ PARTIAL SIGMA TBL	+
070 YB 168	(N,G) YD	2.5- 2		KFK	EXPT	NP/A	119	609	68	MICHAELIS+ GAMMA INTENSITY	
070 YB 170	(N,G) CS	3. + 3	7.0+ 5	ORL	EXPT	PR/C	30	464	84	BEER+ RES.PARAM TBL,AV.SIGMA TBL	+
070 YB 170	(N,G) YD	2.5- 2		NRL	EXPT	PR	183	983	69	NAMENSON+ NEUT.CAPT.GAMMA	
070 YB 171	(N,G) CS	5. + 3	8.0+ 4	CCP	EXPT	SNP	20	572	75	SHORIN+ SIGMA CURVE	+
070 YB 171	(N,G) CS	3. + 3	7.0+ 5	ORL	EXPT	PR/C	30	464	84	BEER+ RES.PARAM TBL,AV.SIGMA TBL	+
070 YB 171	(N,G) ED	PILE		CCP	EXPT	SNP	33	1	81	BECVAR+ NEUTRON-CAPTURED GAMMA	
070 YB 171	(N,G) YD		1.5+ 8	CCP	EXPT	SNP	3	34	66	WANG+ RESONANCE PARAMETER.	
070 YB 171	(N,G) YD	2.5- 2	2. + 3	USA	EXPT	NP/A	252	260	75	GREENWOOD+ YB-172 LEVEL	
070 YB 172	(N,G) CS	5. + 3	8.0+ 4	CCP	EXPT	SNP	20	572	75	SHORIN+ SIGMA CURVE	+
070 YB 172	(N,G) YD		1.5+ 8	CCP	EXPT	SNP	3	34	66	WANG+ RESONANCE PARAMETER.	
070 YB 172	(N,G) YD	2.5- 2		NRL	EXPT	PR	183	983	69	NAMENSON+ NEUT.CAPT.GAMMA	
070 YB 172	(N,G) YD	2.5- 2		SWD	EXPT	NP/A	161	209	71	ALENIUS+ GAMMA INTENSITY	
070 YB 173	(N,G) CS	5. + 3	8.0+ 4	CCP	EXPT	SNP	20	572	75	SHORIN+ SIGMA CURVE	+
070 YB 173	(N,G) ED	PILE		CCP	EXPT	SNP	33	1	81	BECVAR+ NEUTRON-CAPTURED GAMMA	
070 YB 173	(N,G) ED	1.3+ 3	6. + 4		EXPT	PR/C	25	1283	82	SHAHAL+	
070 YB 173	(N,G) YD	2.5- 2	2. + 3	INL	THEO	PR/C	23	153	81	GREENWOOD+ YB-174 LEVEL	
070 YB 173	(N,G) YD	PILE		MCM	EXPT	ZP/A	315	103	84	PRESTWICH+ E2 TRANST.WIDTH TBL	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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		1.5+ 8	CCP	EXPT	SNP	3	34	66	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+	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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	BZL	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	ZP	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	ANDREJTSCHEFF+ GAMMA TRANSITION	
071 LU 175	(N,G)	YD	1. + 3	3. + 3	COL	EXPT	PR/C	11	1231	75	LIOU+ 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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
071 LU 175	(N,G	) YD	2.5- 2		SWT	EXPT	NP/A	251	305	75	GEINOZ+ GAMMA TRANSITION	
071 LU 176	(N,G	) CS	1. - 2	1.0+ 1	SWT	EXPT	NSE	60	53	76	WIDDER+ SIGMA CURVE	+
071 LU 176	(N,G	) CS	3. + 3	7.0+ 5	ORL	EXPT	PR/C	30	464	84	BEER+ RES.PARAM TBL,AV.SIGMA TBL	+
071 LU 176	(N,G	) YD	2.5- 2		DDR	EXPT	NP/A	70	415	65	HEISER+ SIGMA VALUE	+
071 LU 176	(N,G	) YD	2.5- 2		GER	EXPT	ZP	184	153	65	MAIER+ GAMMA TRANSITION	
071 LU 176	(N,G	) YD	2.5- 2		CCP	EXPT	SNP	3	141	66	BALODIS+ MULTIPOLARITIES	
071 LU 176	(N,G	) YD	2.5- 2		DDR	EXPT	NP/A	172	298	71	MANFRASS+ GAMMA TRANSITION	
071 LU 176	(N,G	) YD	2.5- 2		GER	EXPT	ZP/A	280	239	77	SEYFARTH+ KX-RAY INTENSITY	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
072 HF 000	(G,ABSORPTION)	CS	1.0+ 7	3.0+ 7	YUG	EXPT	NIM	75	190	69	BEZIC+ TOT.ABSORPT.SIGMA CURVE	+
072 HF 000	(G,F	) CS	2.0+ 8	2.6+ 8	CCP	EXPT	SNP	5	26	67	RANYUK+ SIGMA TABLE	+
072 HF 000	(N,G	) CS	1.0+ 4	1.5+ 5	GER	EXPT	NP/A	133	513	69	KOMPE SIGMA CURVE	+
072 HF 000	(N,G	) YD	4.7- 1	9.4+ 0	YAL	EXPT	NP	10	386	59	FENSTERMACHER+ RESONANT N-CAPT.	
072 HF 174	(N,G	) YD	2.5- 2		SWD	EXPT	NP/A	161	209	71	ALENIUS+ GAMMA INTENSITY	
072 HF 175	(N,G	) ED	2.5- 2		ANL	EXPT	PR/C	10	2483	74	BUSHNELL+ N-CAPT.GAMMA SPECT.	
072 HF 176	(N,G	) CS	3. + 3	7.0+ 5	ORL	EXPT	PR/C	30	464	84	BEER+ RES.PARAM TBL,AV.SIGMA TBL	+
072 HF 176	(N,G	) YD	2.5- 2		ANL	EXPT	PR	158	1206	67	NAMENSON+ NEUT.CAPT.GAMMA	
072 HF 177	(G,N	) YD		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	) CS	2.5- 2		GER	EXPT	NP	32	482	62	ALEXANDER+ ISOMERIC SIGMA VALUE	+
072 HF 177	(N,G	) CS	3. + 3	7.0+ 5	ORL	EXPT	PR/C	30	464	84	BEER+ RES.PARAM TBL,AV.SIGMA TBL	+
072 HF 177	(N,G	) ED	2.5- 2		ANL	EXPT	PR	129	1691	63	SMITHER GAMMA SPECTRA	
072 HF 177	(N,G	) ED	2.5- 2		ANL	EXPT	PR	146	844	66	NAMENSON+ GAMMA SPECTRA	
072 HF 177	(N,G	) ED	1. + 0	5. + 0	USA	EXPT	NP/A	82	441	66	VOGT GAMMA SPECTRA	
072 HF 177	(N,G	) ED	2.5- 2	2.4+ 4	GER	EXPT	NP/A	455	231	86	HAGUE+ GAMMA SPECT.	
072 HF 177	(N,G	) YD	1. + 0	2.1+ 2	GEL	EXPT	NP/A	117	586	68	COCEVA+ RESONANCE PARAMETER	
072 HF 177	(N,G	) YD	6. - 2	8.8+ 0	INL	EXPT	NP/A	123	616	69	FALER+ RESONANT-N CAPT GAMMA	
072 HF 177	(N,G	) YD	2.5- 2		SWD	EXPT	NP/A	171	353	71	FOGELBERG+ N-CAPT.GAMMA	

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

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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)		3.4+ 5	1.4+ 6	AUL	EXPT	NIM A	255	68	87	TAYLOR+	+
073	TA	000	(G,N)	CS	7. + 7	2.5+ 7	NBS	EVAL	PR	112	560	58	FULLER+ SIGMA CURVE	+
073	TA	000	(G,N)	ED	1.4+ 7	1.6+ 7	MIT	EXPT	PR	110	790	58	BERTOZZI+ NEUT.SPECTRA	
073	TA	000	(G,N EMISSION)	CS	3.0+ 7	9.0+ 7		EXPT	NP/A	390	240	82	LEPRETRE+	
073	TA	000	(G,N EMISSION)	YD	2.5+ 7	1.4+ 8		EXPT	NP/A	390	221	82	LEPRETRE+	
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 SCTT.SIGMA TBL	+
073	TA	000	(G,TOTAL)	CS	6.6+ 8		NBS	EXPT	PR	115	351	59	TITUS TOT.PHOTOELECTRIC SIGMA	+
073	TA	000	(G,X)	CS	2.0+ 5	1.0+ 6	IND	THEO	NSE	45	94	71	SIDDAPPA+ PHOTOELECT.SIGMA TABLE	+
073	TA	000	(E,ABSORPTION)	XX	3.4+ 6	1.9+ 7	UI	EXPT	PR	115	633	59	HALL+ ENERGY LOSS	
073	TA	000	(E,ELASTIC)	AD	1.5+ 5	7.5+ 5	GER	THEO	NP/A	223	423	74	SMEND+ DIFF.SIGMA TBL	+
073	TA	000	(E,SCATTERING)	AD	1.8+ 8		STF	THEO	PR	106	1285	57	DOWNS+ CAL.DIFF.SIGMA CURVE	+
073	TA	000	(E,X)	CS	4.9+ 5		HUN	EXPT	ZP	271	207	74	NASR+ POSITRON IMPACT IONIZAT.SIGM	+
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+	
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	63	YOUNG+ NEUT-CAPT.GAMMA SOURCE	
073	TA	181	(G,F)	AD	6.0+ 8	1.7+ 9	CCP	EXPT	SNP	15	228	72	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	SWD	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)		3.0+ 6	4.0+ 6	CCP	EXPT	BAS	51	36	87	DUBENSKII+	
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(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
073	TA	181	(G,G)	AD	1.1+ 7		ANL	EXPT	PR/C	9	1153	74	JACKSON+ PHOTON SCAT.	
073	TA	181	(G,G)	AD	6.8+ 6	1.1+ 7	ISL	EXPT	PR/C	18	1217	78	KAHANE+ RAYLEIGH & DELBRUCK AMP.	
073	TA	181	(G,INELASTIC)	CS	1.2+ 7	3.0+ 7	FR	EXPT	NP/A	54	114	64	LANGEVIN+ SIGMA & SPECTRUM	+
073	TA	181	(G,INELASTIC)	YD		6. + 6	YAL	EXPT	PR	108	1280	57	DRAPER+ ISOMER EXCIT.	
073	TA	181	(G,N)	AD	2.2+ 7		SAS	EXPT	CJP	39	1158	61	BAKER+ ANGL.DIFF.SIGMA	+
073	TA	181	(G,N)	AD		2.9+ 7	CCP	EXPT	SNP	20	128	75	LAZAREVA+ NEUT.SPECT. CURVE	+
073	TA	181	(G,N)	CS	1.8+ 7	6.5+ 7	USA	EXPT	NP	13	292	59	AULL+ INTEGRAT.SIGMA CURVE	+
073	TA	181	(G,N)	CS	1.2+ 7	3.8+ 7	STF	EXPT	NP	18	575	60	BARBER+ DERIVED SIGMA CURVE	+
073	TA	181	(G,N)	CS	7.5+ 6	1.1+ 7	PEN	EXPT	PR	121	880	61	WELSH+ SIGMA TBL	+
073	TA	181	(G,N)	CS		2.2+ 7	SAC	EXPT	NP	32	236	62	MILLER+ INTEGRAT.SIGMA VALUE	+
073	TA	181	(G,N)	CS	7.6+ 6	1.1+ 7	USA	EXPT	PR	135	B701	64	GREEN+ SIGMA TBL & CURVE	+
073	TA	181	(G,N)	CS	7.7+ 6	1.1+ 7	USA	EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
073	TA	181	(G,N)	CS	NDG		BZL	EVAL	NP/A	244	205	75	WOLYNEC+ PHOTO./ELECTRODISINT.	
073	TA	181	(G,N)	CS		1.9+ 6	MCM	EXPT	PR/C	29	1085	84	COUSINS+ TBL	+
073	TA	181	(G,N)	ED	7.0+ 8	1.2+ 9	CCP	EXPT	SNP	13	265	71	ANTUF'EV+ DEUTERON SPECT.	
073	TA	181	(G,N)	ED	3.1+ 7		CCP	EXPT	SNP	21	129	75	EVSEEV+ NEUTRON SPECT.MEASURED	
073	TA	181	(G,N)	ED		2.9+ 7	CCP	EXPT	SNP	20	128	75	LAZAREVA+ NEUT.SPECT. CURVE	+
073	TA	181	(G,N)	ED	6.7+ 6	9.4+ 6		EXPT	ZP/A	289	325	79	BARKMAN+ Q-VALUE OF PHOTONEUT.	
073	TA	181	(G,N)	ED	7.7+ 6	7.8+ 6	MCM	EXPT	PR/C	24	911	81	COUSINS+ LEVELS	
073	TA	181	(G,N)	ED	2.9+ 7		CCP	EXPT	SNP	42	507	85	LEPESTKIN+ ENERGY DIST. CURVE	+
073	TA	181	(G,N)	YD	NDG		NBS	THEO	PR/C	2	621	70	BERGER+ NEUTRON YIELD	
073	TA	181	(G,P)	AD	8.0+ 7	2.9+ 8	CCP	EXPT	SNP	12	627	71	ANTUF'EV+ DIFF. SIGMA CURVE	+
073	TA	181	(G,P)	ED	7.0+ 8	1.2+ 9	CCP	EXPT	SNP	13	265	71	ANTUF'EV+ DEUTERON SPECT.	
073	TA	181	(G,P)	YD		2.3+ 7	PEN	EXPT	PR	98	626	55	TOMS+ PHOTOPROTON YIELD	
073	TA	181	(G,PION)	ED	3.0+ 8	4.0+ 8	CCP	EXPT	SNP	22	226	75	TONAPETYAN+ 90DEG.SIGMA CURVE	+
073	TA	181	(G,SCATTERING)	AD	1.7+ 7		GER	EXPT	ZP	170	47	62	STIERLIN+ DIFF.SIGMA	+
073	TA	181	(G,SCATTERING)	AD	6.0+ 4		GER	EXPT	ZP/A	283	15	77	SCHUMACHER+ RAYLEIGH SCATT. TBL	+
073	TA	181	(G,SCATTERING)	AD	1.1+ 7		BLG	EXPT	NP/A	531	237	91	MONDRY+ RAMAN SCATT.DIFF.SIGMA	+
073	TA	181	(G,SCATTERING)	DD		1.1+ 7		EXTH	NIM	166	91	79	MOREH N-CAPT GAMMA SOURCE	
073	TA	181	(G,SCATTERING)	XX	NDG		MIT	EXPT	PR/C	8	1065	73	HAYWARD+ RES. FLUORESCENCE	
073	TA	181	(G,X)	AD	6.0+ 8	1.7+ 9	CCP	EXPT	SNP	15	228	72	KASILOV+ ANGUL.DEPENDENCE	
073	TA	181	(G,X)	CS	4.5+ 8		GER	EXPT	NP/A	221	145	74	DAVID+ SIGMA CURVE & TBL	+
073	TA	181	(G,X)	CS	5.5+ 7	8.5+ 7	MRY	THEO	PR/C	16	1812	77	WU+ PRE-EQUILIBRIUM ANALYSES	
073	TA	181	(G,X)	DD	3.0+ 7	1.4+ 8	EDG	EXPT	NP/A	429	61	84	FLOWERS+ SIGMA CURV	
073	TA	181	(G,X)	XX	4. + 6	2.8+ 7	CAN	EVAL	CJP	59	914	81	SHERMAN+ COULOMB CORRECTION	
073	TA	181	(G,X)	YD		4.0+ 8	CCP	EXPT	SNP	17	124	73	GONCHAROV+ YIELD CURVE	
073	TA	181	(G,XN)	CS	8.0+ 6	2.7+ 7	LRL	EXPT	PR	129	2723	63	BRAMBLETT+ TOTAL SIGMA CURVE	+
073	TA	181	(G,XN)	CS	2.5+ 7	1.4+ 8	SAC	EXPT	NP/A	367	237	81	LEPRETRE+ SIGMA CURV.&INTEG.SIGMA	+
073	TA	181	(G,3N)	CS	2.3+ 7	3.8+ 7	STF	EXPT	NP	18	575	60	BARBER+ DERIVED SIGMA CURVE	+
073	TA	181	(E,A)	AD	1.0+ 8		SAS	EXPT	PR/C	18	736	78	MURPHY+ ELECTRO ALPHA PRODUCTION	+
073	TA	181	(E,EP)	DD	7.8+ 8		USA	EXTH	PR/C	45	780	92	GARINO+ DIFF.SIGMA CURVE & TBL	+
073	TA	181	(E,EP)	XX	NDG		USA	THEO	PR/C	45	791	92	PANDHARIPANDE+ NUCL.TRANSPARENCY	
073	TA	181	(E,F)	CS	2.5+ 8	5.0+ 8	LRL	EXPT	PR	168	1396	68	BOWMAN+ FISSION SIGMA TBL	+
073	TA	181	(E,INELASTIC)	DD	NDG		USA	THEO	PR/C	44	2694	91	TALWAR+ COULOMB DISTORT.EFFECT	
073	TA	181	(E,INELASTIC)	XX	1.8+ 8	6.0+ 8	STF	EXPT	PR	130	245	63	KENDALL+ FORM FACTOR	
073	TA	181	(E,INELASTIC)	YD	4.0+ 8			EXTH	PRL	45	1758	80	RAD+ SCAT. FORM FACTOR	
073	TA	181	(E,N)	CS	1.2+ 7	2.0+ 7	NBS	THEO	PR/C	7	858	73	SELTZER+ SIGMA CURVE	+
073	TA	181	(E,N)	ED	1.4+ 8		ORL	EXPT	NSE	42	421	70	BURGART+ PHOTONEUTRON SPECT.CURVE	+
073	TA	181	(E,N)	YD	1.0+ 7	3.6+ 7	STF	EXPT	PR	116	1551	59	BARBER+ NEUTRON YIELD	+
073	TA	181	(E,P)	AD		4.0+ 7	STF	EXPT	NP	16	301	60	BARBER+ DIFF.SIGMA CURVE	+
073	TA	181	(E,SCATTERING)	AD	2.0+ 8		DKE	THEO	NP/A	64	231	65	WRIGHT+ SIGMA CURVE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
073	TA	181	(E,SCATTERING)	AD	5.0+ 8		STF	EXPT	PR/C	9	2230	74	WHITNEY+ SIGMA TABLE	+
073	TA	181	(E,X)	CS	NDG		BZL	EVAL	NP/A	244	205	75	WOLYNEC+ X=EN,PHOTO./ELECTRODISINT	
073	TA	181	(E,X)	DD	3.0+ 7	1.4+ 8	EDG	EXPT	NP/A	429	61	84	FLOWERS+ SIGMA CURV	
073	TA	181	(E,X)	XX	2.7+ 7		USA	EXPT	PR	139	B562	65	HERRING+ SIGMA RATIO	
073	TA	181	(E,X)	YD	5.0+ 9		USA	EXPT	PR/C	4	2123	71	FULMER+ RELATIVE YIELD	
073	TA	181	(E,X)	YD	6.0+ 8	1.3+ 9	KFT	EXPT	SNP	25	493	77	MITROFANOVA+ ACTIVATION YIELDS	
073	TA	181	(N,G)	CS	PILE		BNL	EXPT	PR	97	1023	55	MATEOSIAN SIGMA VALUE	+
073	TA	181	(N,G)	CS	3.0+ 4	4.0+ 6	LRL	EXPT	PR	128	2717	62	MISKEL+ SIGMA TBL	+
073	TA	181	(N,G)	CS	1.0+ 1	5.0+ 4	HAR	EXPT	NIM	24	445	63	MOXON+ MOXON-RAD DETECTOR,SIGMA CV	+
073	TA	181	(N,G)	CS	1.3+ 5	1.8+ 6	ANL	EXPT	PR	133	B378	64	COX SIGMA CURVE	+
073	TA	181	(N,G)	CS	3. + 4	5.1+ 6	POL	EXPT	NP/A	123	603	69	BRZOSKO+ SIGMA CURVE	+
073	TA	181	(N,G)	CS	1.0+ 4	1.5+ 5	GER	EXPT	NP/A	133	513	69	KOMPE SIGMA CURVE	+
073	TA	181	(N,G)	CS	3.0+ 4	3.0+ 5	BZL	EXPT	NP/A	196	83	72	LEPINE+ SIGMA TABLE	+
073	TA	181	(N,G)	CS	2.5- 2		IND	THEO	NP/A	235	307	74	ALAM+ CAL. SIGMA TBL	+
073	TA	181	(N,G)	CS	1.0+ 4	7.0+ 4	KFK	EXPT	NSE	80	630	82	REFFO+ SIGMA CURVE	+
073	TA	181	(N,G)	CS	4. + 3	1.9+ 6	ORL	EXPT	NSE	86	362	84	MACKLIN AV.SIGMA TABLE	+
073	TA	181	(N,G)	CS	1.0+ 4	4.0+ 6	JPN	THEO	NSE	96	210	87	YAMAMURO+ CAL.SIGMA CURVE	+
073	TA	181	(N,G)	CS	3. + 3	2.0+ 5	KFK	EXPT	PR/C	42	1731	90	WISSHAK+ CAPT. SIGMA	+
073	TA	181	(N,G)	ED	1. + 6	4. + 6	SWD	EXPT	NP/A	67	321	65	LUNDBERG+ GAMMA SPECTRUM	
073	TA	181	(N,G)	ED	2. + 0	3. + 3	LRL	EXPT	PR/C	16	574	77	STELTS+ (N,G) SPECTRA	
073	TA	181	(N,G)	YD	1.5+ 4	3.0+ 5	SWD	EXPT	NP	39	353	62	BERGQVIST+ N-CAPT.GAMMA	
073	TA	181	(N,G)	YD	2.5- 2	3.5+ 2	BNL	EXPT	NP/A	132	161	69	WASSON+ GAMMA INTENSITY	
073	TA	181	(N,G)	YD	2.5- 2		KFK	EXPT	NP/A	147	150	70	EICHLER+ CIRCULAR POLARIZATION	
073	TA	181	(N,G)	YD	4. + 0	2.0+ 2	AUS	EXPT	NP/A	198	430	72	RIEHS+ RESONANCE	
073	TA	181	(N,G)	YD	1.0+ 6	7.0+ 6	USA	EXPT	NSE	47	209	72	YOST+ YIELD TABLE	
073	TA	181	(N,G)	YD	2.5- 2		DDR	EXPT	NP/A	226	142	74	ANDREJTSCHEFF+ GAMMA TRANSITION	
073	TA	181	(N,G)	YD	7. + 5	2.6+ 6	CRL	EXPT	CJP	52	989	74	EARLE+ DIPOL.RES.PARAMETER	
073	TA	181	(N,G)	YD	2. + 3	2.4+ 4	BNL	EXPT	PR/C	24	1419	81	STELTS+ LEVEL DENSITY	
073	TA	181M	(G,INELASTIC)	CS	2.8+ 6	3.6+ 6	USA	EXPT	PR/C	42	R1813	90	COLLINS+ INTEGRAT.SIGMA VALUE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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)	AD	2.8+ 5	6.6+ 5	IND	EXPT	NP/A	73	368	65	ANAND+ DIFF.SIGMA TABLE	+
074	W	000	(G,G)	AD	4.7+ 5		IDF	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	NDG		NBS	THEO	PR/C	2	621	70	BERGER+ NEUTRON YIELD	
074	W	000	(G,P)	AD	2.3+ 7	3.4+ 7	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	ZP	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	PIDD+ 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)	ED	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	SNF	49	567	89	BIGAN+ ISOMER PRODUCT.SIGMA CURVE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
074	W	183	(N,G)		5.0+ 3	4.0+ 5		EXPT	SNP	46	33	87	KONONOV+	+
074	W	183	(N,G)	CS	3. + 3	2.0+ 6	ORL	EXPT	NSE	84	98	83	MACKLIN+ AV.SIGMA TABLE & CURVE	+
074	W	183	(N,G)	YD	2.5- 2	2.7+ 1	RPI	EXPT	PR	155	1301	67	RAE+ RESONANCE PARAM.	
074	W	183	(N,G)	YD	6. - 2	7.6+ 0	USA	EXPT	PR	155	1368	67	SPENCER+ NEUT.-CAPT.GAMMA	
074	W	183	(N,G)	YD	1.5+ 2	1.0+ 5	RPI	EXPT	NSE	37	137	69	BARTOLOME+ RES.PARAMETER	
074	W	183	(N,G)	YD	4.1+ 0		BNL	EXPT	PR/C	7	419	73	CASTEN+ NEUTRON-CAPT. GAMMA	
074	W	183	(N,G)	YD	2.5- 2	2. + 3	USA	EXPT	NP/A	223	66	74	GREENWOOD+ GAMMA INTENSITY	
074	W	183	(N,G)	YD	2.5- 2		ANL	EXPT	PR/C	11	1401	75	BUSHNELL+ W-184 LEVEL SCHEME	
074	W	183	(N,G)	YD	2.5- 2	7.6+ 0	USA	EXPT	PR/C	12	821	75	CASTEN+ W-184 LEVEL	
074	W	183	(N,G)	YD	2. + 3	2.4+ 4	BNL	EXPT	PR/C	24	1419	81	STELTS+ LEVEL DENSITY	
074	W	184	(G,ABSORPTION)	CS	7. + 6	2.0+ 7		EXPT	NP/A	338	97	80	GUREVICH+	
074	W	184	(G,ABSORPTION)	CS	7. + 6	2.0+ 7	CCP	EXPT	NP/A	351	257	81	GUREVICH+ TOT.ABSORPT.SIGMA CURVE	+
074	W	184	(G,N)	CS	8.0+ 6	2.7+ 7	CCP	EXPT	SNP	17	1	73	SOROKIN+ SIGMA CURVE & TBL	+
074	W	184	(E,F)	CS	3.5+ 7	5.5+ 7		EXTH	PRL	44	716	80	GUENTHER+ FISSION BARRIER	
074	W	184	(E,SCATTERING)	AD	2.0+ 8		GER	THEO	NP/A	78	465	66	DRECHSEL DIFF.SIGMA CURVE	+
074	W	184	(N,G)		5.0+ 3	4.0+ 5		EXPT	SNP	46	33	87	KONONOV+	+
074	W	184	(N,G)		2.0+ 3	2.4+ 4		EXPT	NP/A	465	221	87	BRUCE+ W-185 LEVEL	
074	W	184	(N,G)	CS	FISS		CCP	EXPT	SNP	4	366	67	DRUZHININ+ SIGMA VALUE	+
074	W	184	(N,G)	CS	3. + 3	2.0+ 6	ORL	EXPT	NSE	84	98	83	MACKLIN+ AV.SIGMA TABLE & CURVE	+
074	W	184	(N,G)	ED	PILE		USA	THEO	NP	34	623	62	TREADO+ GAMMA INTENSITY	
074	W	184	(N,G)	YD	1.5+ 2	1.0+ 5	RPI	EXPT	NSE	37	137	69	BARTOLOME+ RES.PARAMETER	
074	W	186	(G,ABSORPTION)	CS	7. + 6	2.0+ 7		EXPT	NP/A	338	97	80	GUREVICH+	
074	W	186	(G,ABSORPTION)	CS	7. + 6	2.0+ 7	CCP	EXPT	NP/A	351	257	81	GUREVICH+ TOT.ABSORPT.SIGMA CURVE	+
074	W	186	(G,G)	YD	6.4+ 6	7.9+ 6	ISL	EXPT	NP/A	227	373	74	WOLF+ RES. PARAM.	
074	W	186	(G,N)	CS	7.2+ 6	2.9+ 7	LRL	EXPT	PR	185	1576	69	BERMAN+ SIGMA CURVE	+
074	W	186	(E,F)	CS	3.5+ 7	5.5+ 7		EXTH	PRL	44	716	80	GUENTHER+ FISSION BARRIER	
074	W	186	(N,G)		5.0+ 3	4.0+ 5		EXPT	SNP	46	33	87	KONONOV+	+
074	W	186	(N,G)		2.0+ 3	2.4+ 4		EXPT	NP/A	465	221	87	BRUCE+ W-187 LEVEL	
074	W	186	(N,G)	CS	2. + 5	1.5+ 6	COL	THEO	PR	116	937	59	MOSSIN-KOTIN+ CAL.SIGMA CURVE	+
074	W	186	(N,G)	CS	3.0+ 4	4.0+ 6	LRL	EXPT	PR	128	2717	62	MISKEL+ SIGMA TBL	+
074	W	186	(N,G)	CS	FISS		CCP	EXPT	SNP	4	366	67	DRUZHININ+ SIGMA VALUE	+
074	W	186	(N,G)	CS	3. + 3	2.0+ 6	ORL	EXPT	NSE	84	98	83	MACKLIN+ AV.SIGMA TABLE & CURVE	+
074	W	186	(N,G)	ED	PILE		USA	THEO	NP	34	623	62	TREADO+ GAMMA INTENSITY	
074	W	186	(N,G)	YD	6. - 2	1.9+ 1	USA	EXPT	PR	155	1368	67	SPENCER+ NEUT.-CAPT.GAMMA	
074	W	186	(N,G)	YD	2.5- 2	1.9+ 1	ANL	EXPT	PR	160	1038	67	PRESTWICH+ RESONANCE PARAM.	
074	W	186	(N,G)	YD	1.5+ 2	1.0+ 5	RPI	EXPT	NSE	37	137	69	BARTOLOME+ RES.PARAMETER	
074	W	186	(N,G)	YD	2.5- 2	2.4+ 4	BNL	EXPT	NP/A	228	493	74	CASTEN+ W-187 LEVELS	
074	W	186	(N,G)	YD	PILE		CCP	EXPT	ZP/A	341	155	92	BEITINS+ W-187 LEVEL	

ELEMENT Z S A	QUANTITY	ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
075 RE 000	(G,F) CS	2.0+ 8	2.6+ 8	CCP	EXPT	SNP	5	26	67	RANYUK+ SIGMA TABLE	+
075 RE 000	(N,G) CS	1.0+ 4	1.5+ 5	GER	EXPT	NP/A	133	513	69	KOMPE SIGMA CURVE	+
075 RE 000	(N,G) CS	3. + 3	1.9+ 6	ORL	EXPT	NSE	97	239	87	MACKLIN+ AV.SIGMA TABLE & CURVE	+
075 RE 185	(G,SCATTERING) YD	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) CS	1.5+ 7		CCP	EXPT	SNP	5	13	67	DRUZHININ+ SIGMA VALUE A	+
075 RE 185	(N,G) ED	PILE		CCP	EXPT	SNP	33	1	81	BECVAR+ NEUTRON-CAPTURED GAMMA	
075 RE 185	(N,G) ED	PILE		CCP	EXPT	SNP	37	809	83	BECVAR+ N-RES.TBL,RE186 LVL TBL	
075 RE 185	(N,G) YD	3.5+ 4	2.5+ 5	CCP	EXPT	SNP	5	493	67	PROKOFEV+ RE-186 LEVEL	
075 RE 185	(N,G) YD	2.1+ 0	1.5+ 2	USA	EXPT	PR/C	4	1466	71	STOLOVY+ NEUTRON RESONANCE	
075 RE 185	(N,G) YD	PILE		GER	EXPT	ZP	265	335	73	GLAIZ LEVEL SCHEME	
075 RE 187	(G,G) XX	4.8+ 5	7.7+ 5	USA	EXPT	PR	135	81	64	LANGHOFF RES.FLUORESC.	
075 RE 187	(G,G) YD	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) CS	1.5+ 7		CCP	EXPT	SNP	5	13	67	DRUZHININ+ SIGMA VALUE A	+
075 RE 187	(N,G) CS	NDG		BLG	THEO	PR/C	9	723	74	BAUDINET-ROBINET SIGMA TBL	+
075 RE 187	(N,G) YD	3.5+ 4	2.5+ 5	CCP	EXPT	SNP	5	493	67	PROKOFEV+ RE-188 LEVEL	
075 RE 187	(N,G) YD	4.4+ 0	1.5+ 2	USA	EXPT	PR/C	4	1466	71	STOLOVY+ NEUTRON RESONANCE	

ELEMENT Z S A	QUANTITY	ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
076 OS 000	(G,F) CS	2.0+ 8	2.6+ 8	CCP	EXPT	SNP	5	26	67	RANYUK+ SIGMA TABLE	+
076 OS 000	(N,G) ED	6.7+ 0	6.1+ 1	ANL	EXPT	PR	124	1142	61	JACKSON+ NEUTRON RESONANCE	
076 OS 186	(G,N) CS	1.1+ 7	2.0+ 7		EXPT	PR/C	19	1205	79	BERMAN+ (N+PN),(2N+P2N),3N	
076 OS 186	(N,G) CS	2.6+ 3	8.0+ 5		EXPT	PR/C	21	563	80	WINTERS+ STRENG.FUNC.,MAX-AV CS	
076 OS 186	(N,G) CS	2. + 0	1.5+ 5	LRL	EXPT	PR/C	23	1434	81	BROWNE+ MAXWEL.AVER.SIGMA	+
076 OS 186	(N,G) CS	2.5+ 2	4.5+ 5		EXPT	PR/C	25	208	82	WINTERS+	
076 OS 187	(N,G) CS	2.6+ 3	8.0+ 5		EXPT	PR/C	21	563	80	WINTERS+ STRENG.FUNC.,MAX-AV CS	
076 OS 187	(N,G) CS	2. + 0	1.5+ 5	LRL	EXPT	PR/C	23	1434	81	BROWNE+ MAXWEL.AVER.SIGMA	+
076 OS 187	(N,G) CS	2.5+ 2	4.5+ 5		EXPT	PR/C	25	208	82	WINTERS+	
076 OS 187	(N,G) ED	5. + 0	3.5+ 2	NRL	EXPT	PR/C	14	965	76	STOLOVY+ OS-188 LEVELS	
076 OS 187	(N,G) YD	2.6+ 0	3.0+ 2	NRL	EXPT	NP/A	237	45	75	NAMENSON+ RESONANCE PARAM.	
076 OS 187	(N,G) YD	PILE		MOL	EXPT	ZP/A	314	159	83	FETTWEIS+ OS188 LVL TBL	
076 OS 188	(G,N) CS	7. + 6	3.0+ 7		EXPT	PR/C	19	1205	79	BERMAN+ (N+PN),(2N+P2N),3N	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
076	OS	188	(E,E)		2.0+ 8	5.0+ 8		EXPT	PL/B	186	285	87	BOEGLIN+	
076	OS	188	(E,SCATTERING)	XX	2.0+ 8	5.0+ 8	SWT	EXPT	NP/A	477	399	88	BOEGLIN+ TRANSITION CHARGE DENSITY	
076	OS	188	(N,G)	CS	2.6+ 3	8.0+ 5		EXPT	PR/C	21	563	80	WINTERS+ STRENG.FUNC.,MAX-AV CS	
076	OS	188	(N,G)	CS	2. + 0	1.5+ 5	LRL	EXPT	PR/C	23	1434	81	BROWNE+ MAXWEL.AVER.SIGMA	+
076	OS	188	(N,G)	CS	2.5+ 2	4.5+ 5		EXPT	PR/C	25	208	82	WINTERS+	
076	OS	188	(N,G)	YD	2.5- 2	2.4+ 4	UK	EXPT	NP/A	542	1	92	BRUCE+ GAMMA INTENSITY	
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	EXPT	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	EXPT	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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
077 IR 000	(N,G	) CS	5. + 5	3.0+ 6	FR	EXPT	NSE	70	53	79	JOLY+ SIGMA CURVE & TABLE	+
077 IR 000	(N,G	) ED		1.0+ 4	USA	EXPT	NP/A	78	576	66	WASSON+ RESONANT N-CAPTURE	
077 IR 191	(G,G	) AD	1.3+ 5		CCP	EXPT	SNP	7	447	68	DAVYDOV+ RESONANT SCATT. CURVE	+
077 IR 191	(G,G	) YD	8.3+ 4	6.3+ 5	USA	EXPT	PR	136	B1590	64	LANGHOFF RES.FLUORESC.	
077 IR 191	(G,N	) YD	8. + 6	2.1+ 7	SGU	EXPT	SNP	27	779	78	GORYACHEV+ PHOTONEUTRON YIELDS	
077 IR 191	(G,SCATTERING)	XX	5.4+ 5	6.6+ 5	USA	EXPT	PR	162	1153	67	SCHUMACHER+ RESONANCE FLUORESC.	
077 IR 191	(N,G	) YD	MAXW		GER	EXPT	NP/A	169	363	71	KRUEGER+ GAMMA TRANSITION	
077 IR 191	(N,G	) YD	PILE		GER	EXPT	NP/A	169	363	71	KRUEGER+ GAMMA TRANSITION	
077 IR 193	(G,N	) YD	8. + 6	2.1+ 7	SGU	EXPT	SNP	27	779	78	GORYACHEV+ PHOTONEUTRON YIELDS	
077 IR 193	(N,G	) YD	2.5- 2		DDR	EXPT	NP/A	115	213	68	HEISER+ GAMMA TRANSITION	
077 IR 193	(N,G	) YD	MAXW		GER	EXPT	NP/A	169	363	71	KRUEGER+ GAMMA TRANSITION	
077 IR 193	(N,G	) YD	PILE		GER	EXPT	NP/A	169	363	71	KRUEGER+ GAMMA TRANSITION	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
078 PT 000	(G,F	) CS	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	) AD	1.1+ 6		IND	EXPT	NP/A	62	296	65	NARASIMHA+ DIFF.SIGMA TABLE	+
078 PT 000	(G,P	) AD	2.3+ 7	3.4+ 7	CCP	EXPT	NP	37	495	62	SHEVCHENKO+ ANGL.& ENERG.DIST.	
078 PT 000	(G,SCATTERING)	XX	NDG		MIT	EXPT	PR/C	8	1065	73	HAYWARD+ RES. FLUORESCENCE	
078 PT 000	(E,ELASTIC	) AD	9.0+ 2		GER	EXPT	ZP	203	66	67	LOTH DIFF.YIELD CURVE	
078 PT 000	(E,G	) AD	2.5+ 7		UI	EXPT	PR	117	194	60	JAMNIK+ 15MEV-BREM MEASURED	+
078 PT 000	(N,G	) ED	5. - 1	1.6+ 2	ANL	EXPT	PR	124	1142	61	JACKSON+ NEUTRON RESONANCE	
078 PT 000	(N,G	) YD	2.5- 2		CCP	EXPT	SNP	7	563	68	GROSHEV+ GAMMA ENERGY & INTENSITY	
078 PT 194	(G,N	) YD	8. + 6	2.1+ 7	SGU	EXPT	SNP	27	779	78	GORYACHEV+ PHOTONEUTRON YIELDS	
078 PT 194	(E,SCATTERING)	XX	2.0+ 8	5.0+ 8	SWT	EXPT	NP/A	477	399	88	BOEGLIN+ TRANSITION CHARGE DENSITY	
078 PT 195	(G,G	) YD	1.3+ 5		GER	EXPT	NP/A	181	289	72	WOLBECK+ MOESSBAUER EFF.G-FACTOR	
078 PT 195	(G,N	) YD	8. + 6	2.1+ 7	SGU	EXPT	SNP	27	779	78	GORYACHEV+ PHOTONEUTRON YIELDS	
078 PT 195	(N,G	) CS	1.0+ 1	7.0+ 2	SAC	EXPT	NP/A	121	65	68	SAMOUR+ RESONANCE PARAMETER	
078 PT 195	(N,G	) YD	2. + 3	2.4+ 4	BNL	EXPT	PR/C	24	1419	81	STELTS+ LEVEL DENSITY	
078 PT 196	(G,N	) YD	8. + 6	2.1+ 7	SGU	EXPT	SNP	27	779	78	GORYACHEV+ PHOTONEUTRON YIELDS	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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)	CS	2.5- 2		BNL	EXPT	PR	128	761	62	SEHGAL ISOMERIC SIGMA VALUE	+
078 PT 196	(N,G)	CS	5.3+ 5	1.3+ 6	POL	EXPT	NP/A	357	1	81	HERMAN+ ACTIVATION SIGMA	+
078 PT 196	(N,G)	XX	NDG		ANL	COMP	NP/A	118	650	68	ROSENZWEIG RESONANCE PARAMETER	
078 PT 196	(N,G)	YD	1.2+ 1	3.0+ 2	BNL	EXPT	PR	127	1680	62	CHRIEN+ RESONANT NEUT-CAPT GAMMA	
078 PT 198	(G,N)	YD	8. + 6	2.1+ 7	SGU	EXPT	SNP	27	779	78	GORYACHEV+ PHOTONEUTRON YIELDS	
078 PT 198	(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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
079 AU 197	(G,A)	DD		5.0+ 8	SWT	EXPT	NP/A	223	145	74	ADLER+ DOUBL.DIFF.SIGMA CURVE	+
079 AU 197	(G,A)	ED		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)	CS	2.6+ 6		USA	EXPT	NP/A	80	588	66	TITUS+ PAIR PRODUCT.SIGMA VALUE	+
079 AU 197	(G,E)	CS	3.2+ 5		IND	EXPT	CJP	55	1592	77	RANGANATHALAH+ K-SHELL PHOTOSIGMA	+
079 AU 197	(G,ELASTIC)	AD	1.2+ 7	1.8+ 7	UI	EXPT	PR	126	228	62	O'CONNELL+ 135DEG.DIFF.SIGMA	+
079 AU 197	(G,F)	CS	1.5+ 8	5.0+ 8	LRL	EXPT	PR	106	585	57	JUNGERMAN PHOTOFISSION	+
079 AU 197	(G,F)	CS	1.0+ 8	2.6+ 8	CCP	EXPT	SNP	5	26	67	RANYUK+ SIGMA TABLE	+
079 AU 197	(G,F)	CS	3.0+ 8	9.0+ 8	SWD	EXPT	NP/A	167	97	71	METHASIRI+ SIGMA PLOT & TABLE	+
079 AU 197	(G,F)	CS	1.0+ 8	5. +12	CCP	EXPT	SNP	14	37	72	VARTAPETYAN+ SIGMA TBL & CURVE	+
079 AU 197	(G,F)	CS	1. + 9	7.4+ 9	SWD	EXPT	NP/A	197	44	72	ANDERSSON+ SIGMA PLOT	+
079 AU 197	(G,F)	CS	5.8+ 8		CAN	EXPT	ZP/A	279	331	76	KIELY+ FISSION SIGMA VALUE	+
079 AU 197	(G,F)	CS	1.0+ 8	3.0+ 8	FRA	EXPT	PR/C	39	911	89	LUCHERINI+ SIGMA CURVE	+
079 AU 197	(G,F)	CS	69 +7		ITY	EXPT	PR/C	44	354	91	MARTINS+ SIGMA TABLE	+
079 AU 197	(G,F)	YD	8. + 8	2.2+ 9	GER	EXPT	NP/A	197	163	72	DAVID+ MASS YIELD	
079 AU 197	(G,F)	YD	1.0+ 9	7.4+ 9	SWD	EXPT	NP/A	197	81	72	KROON+ MASS-YIELD RATIO	
079 AU 197	(G,F)	YD	6.0+ 8	5.1+ 9	CCP	EXPT	SNP	16	502	73	DEMEKHINA+ FRAGMENT ANISOTROPY	
079 AU 197	(G,F)	YD	6.0+ 8		SWT	EXPT	NP/A	226	93	74	ARESKOUG+ MASS & CHARGE DIST.	
079 AU 197	(G,G)	AD	6.6+ 5		BLG	EXPT	NP/A	119	667	68	PINGOT DIFF.SIGMA TABLE	+
079 AU 197	(G,G)	AD	2.8+ 5		BLG	EXPT	NP/A	133	334	69	PINGOT DIFF.INCOHERENT SCAT.SIGM	+
079 AU 197	(G,INELASTIC)	CS	9. + 6	1.5+ 7	USA	EXPT	PR	104	185	56	MEYER-SCHUETZMEISTER+ ISOMER PROD.	+
079 AU 197	(G,INELASTIC)	CS	7. + 6		ANL	EXPT	NP	34	457	62	HUIZENGA+ ISOMERIC SIGMA RATIO	
079 AU 197	(G,INELASTIC)	CS	1.2+ 7	3.0+ 7	FR	EXPT	NP/A	54	114	64	LANGEVIN+ SIGMA & SPECTRUM	+
079 AU 197	(G,INELASTIC)	CS	1.0+ 8	8.0+ 8	SWD	EXPT	NP/A	211	310	73	FORKMAN+ SIGMA CURVE & TABLE	+
079 AU 197	(G,N)		1.5+ 7	2.0+ 7		EXPT	PR/C	36	1286	87	BERMAN+	
079 AU 197	(G,N)	AD	5.5+ 7		USA	EXPT	NP	30	201	62	REINHARDT+ ANGL.DIST.OF NEUTRON	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
079	AU	197	(G,N)	AD		2.9+ 7	CCP	EXPT	SNP	20	128	75	LAZAREVA+ NEUT.SPECT. CURVE	+
079	AU	197	(G,N)	CS	8. + 7	2.5+ 7	NBS	EVAL	PR	112	560	58	FULLER+ SIGMA CURVE	+
079	AU	197	(G,N)	CS	1.8+ 7	6.5+ 7	USA	EXPT	NP	13	292	59	AULL+ INTEGRAT.SIGMA CURVE	+
079	AU	197	(G,N)	CS	1.0+ 7	2.0+ 7	STF	EXPT	NP	18	575	60	BARBER+ DERIVED SIGMA CURVE	+
079	AU	197	(G,N)	CS	7.5+ 6	1.1+ 7	PEN	EXPT	PR	121	880	61	WELSH+ SIGMA TBL	+
079	AU	197	(G,N)	CS	8. + 6	2.5+ 7	LRL	EXPT	PR	127	1273	62	FULTZ+ MONOCHRO.PHOTON SOURCE	+
079	AU	197	(G,N)	CS		2.2+ 7	SAC	EXPT	NP	32	236	62	MILLER+ INTEGRAT.SIGMA VALUE	+
079	AU	197	(G,N)	CS	7.7+ 6	1.1+ 7	USA	EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
079	AU	197	(G,N)	CS	1.0+ 9	5.5+ 9	ITY	EXPT	NP/A	126	505	69	DE CARVALHO+ SIGMA PLOT	+
079	AU	197	(G,N)	CS	8.0+ 7	9.0+ 8	SWD	EXPT	NP/A	166	643	71	LINDGREN+ SIGMA CURVE & VALUE	+
079	AU	197	(G,N)	CS	NDG		BZL	EVAL	NP/A	244	205	75	WOLYNEC+ PHOTO./ELECTRODISINT.	
079	AU	197	(G,N)	CS	2.2+ 7	3.0+ 7	JPN	EXPT	NIM	147	563	77	HIRAYAMA+ EFFECT.BREMSST.SIGMA	+
079	AU	197	(G,N)	ED	1.4+ 7	1.6+ 7	MIT	EXPT	PR	110	790	58	BERTOZZI+ NEUT.SPECTRA	
079	AU	197	(G,N)	ED	5.5+ 7		USA	EXPT	NP	20	408	60	ASKEW+ NEUTRON SPECTR.TBL	
079	AU	197	(G,N)	ED		2.9+ 7	CCP	EXPT	SNP	20	128	75	LAZAREVA+ NEUT.SPECT. CURVE	+
079	AU	197	(G,N)	ED	6.7+ 6	9.4+ 6		EXPT	ZP/A	289	325	79	BARKMAN+ Q-VALUE OF PHOTONEUT.	
079	AU	197	(G,N)	ED	2.9+ 7		CCP	EXPT	SNP	42	507	85	LEPESTKIN+ ENERGY DIST. CURVE	+
079	AU	197	(G,N)	YD	1.0+ 7	9.0+ 7	CCP	EXPT	SNP	33	308	81	DZHILAVYAN+ ISOMERIC RATIO	
079	AU	197	(G,P)	AD		4.0+ 8	SWD	EXPT	ZP	265	1	73	DOUGAN+ DIFF.SIGMA TABLE	+
079	AU	197	(G,P)	DD	4.0+ 7	4.0+ 8	ORL	THEO	PR/C	13	240	76	GABRIEL PHOTOPROTON SIGMA	+
079	AU	197	(G,P)	ED	7.0+ 7		CAN	EXPT	CJP	34	1480	56	DAWSON ENERGY & ANGL.DISTRIBUTION	
079	AU	197	(G,P)	ED	4.0+ 8		SWD	THEO	ZP	269	105	74	DOUGAN+ CAL.SIGMA CURVE	+
079	AU	197	(G,SCATTERING)	AD	6.0+ 4		GER	EXPT	ZP/A	283	15	77	SCHUMACHER+ RAYLEIGH SCATT. TBL	+
079	AU	197	(G,SCATTERING)	XX	NDG		MIT	EXPT	PR/C	8	1065	73	HAYWARD+ RES. FLUORESCENCE	
079	AU	197	(G,TOTAL)	CS	6.6+ 8		NBS	EXPT	PR	115	351	59	TITUS TOT.PHOTOELECTRIC SIGMA	+
079	AU	197	(G,TOTAL)	CS	3.0+ 4	1.8+ 7	IND	EVAL	NSE	51	337	73	RAMANA+ SIGMA CURVE	+
079	AU	197	(G,X)	CS	4.5+ 8		GER	EXPT	NP/A	221	145	74	DAVID+ SIGMA CURVE & TBL	+
079	AU	197	(G,X)	DD	3.0+ 7	1.4+ 8	EDG	EXPT	NP/A	429	61	84	FLOWERS+ SIGMA CURV	
079	AU	197	(G,X)	YD	8.0+ 8		SWD	EXPT	ZP/A	281	47	77	JAERUND+ RECOIL ENERG. OF FRAGMENT	
079	AU	197	(G,XN)	CS	8. + 6	2.5+ 7	LRL	EXPT	PR	127	1273	62	FULTZ+ MONOCHRO.PHOTON SOURCE	+
079	AU	197	(G,XN)	CS	6. + 6	3.5+ 7	SAC	EXPT	NP/A	159	561	70	VEYSSIERE+ SIGMA CURVE & TABLE	+
079	AU	197	(G,XN)	CS	1.8+ 8	9.0+ 8	SWD	EXPT	NP/A	166	643	71	LINDGREN+ SIGMA CURVE & VALUE	+
079	AU	197	(G,XN)	CS	1. + 9	7.4+ 9	SWD	EXPT	NP/A	197	44	72	ANDERSSON+ SIGMA PLOT	+
079	AU	197	(G,XN)	CS	3.5+ 8	3.0+ 9	SWD	THEO	NP/A	197	71	72	LINDGREN+ SPALLATION REACTION	
079	AU	197	(G,2N)	CS	2.3+ 7	3.2+ 7	STF	EXPT	NP	18	575	60	BARBER+ DERIVED SIGMA CURVE	+
079	AU	197	(G,2N)	CS		2.2+ 7	BZL	EXPT	NP	22	484	61	NASCIMENTO+ SIGMA CURVE	+
079	AU	197	(G,2N)	CS	1.4+ 7	2.5+ 7	LRL	EXPT	PR	127	1273	62	FULTZ+ MONOCHRO.PHOTON SOURCE	+
079	AU	197	(G,2N)	CS	8.0+ 7	9.0+ 8	SWD	EXPT	NP/A	166	643	71	LINDGREN+ SIGMA CURVE & VALUE	+
079	AU	197	(G,3N)	CS	2.1+ 7	2.5+ 7	LRL	EXPT	PR	127	1273	62	FULTZ+ MONOCHRO.PHOTON SOURCE	+
079	AU	197	(G,3N)	CS	8.0+ 7	9.0+ 8	SWD	EXPT	NP/A	166	643	71	LINDGREN+ SIGMA CURVE & VALUE	+
079	AU	197	(G,5N)	CS	8.0+ 7	9.0+ 8	SWD	EXPT	NP/A	166	643	71	LINDGREN+ SIGMA CURVE & VALUE	+
079	AU	197	(G,7N)	CS	1.5+ 8	9.0+ 8	SWD	EXPT	NP/A	166	643	71	LINDGREN+ SIGMA CURVE & VALUE	+
079	AU	197	(G,9N)	CS	1.8+ 8	9.0+ 8	SWD	EXPT	NP/A	166	643	71	LINDGREN+ SIGMA CURVE & VALUE	+
079	AU	197	(E,A)	CS	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	ZP	247	51	71	TEGEDER+ PHOTOIONIZATION	
079	AU	197	(E,E)	XX	2.6+ 4	2.6+ 5	GER	EXPT	NP/A	75	161	66	VAN KLINKEN POLARIZATION	
079	AU	197	(E,ELASTIC)	AD	1.5+ 2	1.9+ 3	GER	EXPT	ZP	173	392	63	REICHERT DIFF.SIGMA CURVE	+
079	AU	197	(E,ELASTIC)	AD	2. + 2	2.9+ 5	GER	THEO	NP/A	59	56	64	HOLZWARTH+ IR PRODUCTION	
079	AU	197	(E,ELASTIC)	AD	9.0+ 2		GER	EXPT	ZP	203	66	67	LOTH DIFF.YIELD CURVE	
079	AU	197	(E,ELASTIC)	AD	1.0+ 5	1.5+ 5	GER	EXPT	ZP	253	421	72	AEHLIG+ DIFF.SIGMA VALUE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
079	AU	197	(E,ELASTIC)	XX	2.2+ 4	4.8+ 4	GER	EXPT	NP/A	163	625	71	BOERSCH+ POLARIZATION	
079	AU	197	(E,G)	AD	5. + 5	1.0+ 6	NBS	EXPT	PR	100	1560	55	MOTZ BREM.DIFF.SIGMA	+
079	AU	197	(E,G)	AD	3.0+ 5		GER	EXPT	ZP/A	281	205	77	AEHLIG+ DIFF.SIGMA CURVE	+
079	AU	197	(E,G)	CS	1.8+ 5	3.8+ 5	GER	EXPT	ZP	197	8	66	AIGINGER BREMSST.SIGMA CURVE	+
079	AU	197	(E,G)	DD	2.7+ 6	9.7+ 6	NBS	EXPT	PR	102	1598	56	STARFELT+ DIFF.SIGMA CURVE	+
079	AU	197	(E,G)	DD	1.0+ 6	2.1+ 7	BZL	THEO	NIM	91	135	71	FERDINANDE+ CAL.BREMSST.SPECT.CRV	+
079	AU	197	(E,G)	ED	3.0+ 7	1.2+ 8	UK	THEO	NIM	111	157	73	MATTHEWS+ BREMSST.SPECT.CURVE	+
079	AU	197	(E,INELASTIC)	AD	5.0+ 5		NBS	EXPT	PR	132	1120	63	MOTZ+ 100DEG.DIFF.SIGMA CURVE	+
079	AU	197	(E,INELASTIC)	CS	8. + 9	2.5+ 9	STF	EXPT	PRL	52	727	84	ARNOLD+	
079	AU	197	(E,N)	CS		1.5+ 8		EXPT	NP/A	325	63	79	PRINGLE+ 4PT.,ACTIVATION	
079	AU	197	(E,N)	YD	1.0+ 7	9.0+ 7	CCP	EXPT	SNP	33	308	81	DZHILAVYAN+ ISOMERIC RATIO	
079	AU	197	(E,P)	AD		4.0+ 7	STF	EXPT	NP	16	381	60	BARBER+ DIFF.SIGMA CURVE	+
079	AU	197	(E,SCATTERING)	AD	1.5+ 7	9.0+ 7	MIT	THEO	PR	98	1360	55	GLASSGOLD CAL.SIGMA CURVE	+
079	AU	197	(E,SCATTERING)	AD	6. + 5	1.7+ 6	USA	EXPT	PR	97	372	55	BAYARD+ DIF.SIGMA TBL	+
079	AU	197	(E,SCATTERING)	AD	2.8+ 7		SAC	EXPT	NP	17	141	60	BELLICARD+ DIFF.SIGMA CURVE	+
079	AU	197	(E,SCATTERING)	AD	1. + 6		GER	EXPT	ZP	174	257	63	FEBEL+ ANGL.DIST.OF ENERGY LOSS	
079	AU	197	(E,SCATTERING)	AD	NDG		USA	THEO	PR	137	8882	65	YENNIE+ DIFF.SIGMA CURVE	+
079	AU	197	(E,SCATTERING)	XX	7.5+ 4	1.2+ 5	USA	THEO	PR	114	1541	59	SHERMAN+ ELECTRON POLARIZATION	
079	AU	197	(E,SCATTERING)	XX	4.5+ 4	2.5+ 5	CCP	EXPT	NP	47	328	63	MIKAELYAN+ SCATT.ASYMMETRY	
079	AU	197	(E,SCATTERING)	YD	6.0+ 8		STF	EXPT	PR	111	647	58	MOZLEY+ MULTIPLE SCATT.	
079	AU	197	(E,SCATTERING)	YD	6.0+ 4	1.0+ 5	GER	EXPT	ZP	174	91	63	BIENLEIN+ BACKSCATTERING	
079	AU	197	(E,SCATTERING)	YD	NDG		GER	THEO	ZP	179	116	64	THUEMMEL BACKSCATT.SIGMA	+
079	AU	197	(E,X)	CS	4.9+ 5		HUN	EXPT	ZP	271	207	74	NASR+ POSITRON IMPACT IONIZAT.SIGM	+
079	AU	197	(E,X)	CS	NDG		BZL	EVAL	NP/A	244	205	75	WOLYNEC+ X=EN,PHOTO./ELECTRODISINT	.
079	AU	197	(E,X)	DD	3.0+ 7	1.4+ 8	EDG	EXPT	NP/A	429	61	84	FLOWERS+ SIGMA CURV	
079	AU	197	(E,X)	YD	2.5+ 4	1.0+ 5	ORL	EXPT	PR	131	719	63	ARAKAWA+ TRANSIT.RADIATION	
079	AU	197	(N,G)	AD	1.0+ 1	1.0+ 3	SAC	EXPT	NP/A	76	391	66	JULIEN+ RESONANCE PARAMETER	
079	AU	197	(N,G)	CS	1. + 5	1.0+ 6	COL	THEO	PR	116	937	59	MOSSIN-KOTIN+ CAL.SIGMA CURVE	+
079	AU	197	(N,G)	CS	1.8+ 5		CAL	EXPT	PR	113	256	59	BAME+ SIGMA VALUE	+
079	AU	197	(N,G)	CS	PILE		USA	EXPT	NSE	7	184	60	DONAHUE+ SIGMA VALUE	+
079	AU	197	(N,G)	CS	2.5- 2		BNL	EXPT	NSE	8	453	60	GOULD+ ABSORPTION SIGMA	+
079	AU	197	(N,G)	CS	3.0+ 4	1.5+ 6	ANL	EXPT	PR	122	1280	61	COX ACTIVATION SIGMA	+
079	AU	197	(N,G)	CS	3.0+ 4	6.4+ 4	ORL	EXPT	PR	123	948	61	WESTON+ CAPT.SIGMA	+
079	AU	197	(N,G)	CS	3.0+ 4	4.0+ 6	LRL	EXPT	PR	128	2717	62	MISKEL+ SIGMA TBL	+
079	AU	197	(N,G)	CS	1.0+ 1	5.0+ 4	HAR	EXPT	NIM	24	445	63	MOXON+ MOXON-RAO DETECTOR,SIGMA CV	+
079	AU	197	(N,G)	CS	1.2+ 4	6.9+ 5	USA	EXPT	NP/A	69	37	65	HARRIS+ SIGMA CURVE & TABLE	+
079	AU	197	(N,G)	CS	2.4+ 4		IND	EXPT	NP/A	66	267	65	CHAUBEY+ ACTIVATION SIGMA VALUE	+
079	AU	197	(N,G)	CS	8. + 3	1.2+ 5	SAF	EXPT	NP/A	121	655	68	SPITZ+ SIGMA CURVE	+
079	AU	197	(N,G)	CS	2.5- 2	3.0+ 2	SAC	EXPT	NP/A	130	353	69	SAMOUR+ SIGMA RATIO	
079	AU	197	(N,G)	CS	1.0+ 4	1.5+ 5	GER	EXPT	NP/A	133	513	69	KOMPE SIGMA CURVE	+
079	AU	197	(N,G)	CS	1.7+ 2	6. + 5	LRL	EXPT	NSE	52	299	73	CZIRR+ SIGMA TABLE	+
079	AU	197	(N,G)	CS	2.0+ 4	3.5+ 6	ANL	EXPT	NSE	57	300	75	POENITZ SIGMA TABLE	+
079	AU	197	(N,G)	CS	1.0+ 4	5.0+ 4	ORL	EXPT	NSE	59	79	76	GWIN+ SIGMA CURVE & TABLE	+
079	AU	197	(N,G)	CS	1.0+ 4	9.0+ 4	KFK	EXPT	NSE	66	363	78	WISSHAK+ SIGMA RATIO	
079	AU	197	(N,G)	CS	5. + 5	3.0+ 6	FR	EXPT	NSE	70	53	79	JOLY+ SIGMA CURVE & TABLE	+
079	AU	197	(N,G)	CS	6.0+ 5	1.4+ 6		EXPT	AE	48	87	80	DAVLETSHIN+	
079	AU	197	(N,G)	CS	1.0+ 5	2.0+ 6	ORL	EXPT	NSE	79	265	81	MACKLIN SIGMA CURVE	+
079	AU	197	(N,G)	CS	2.0+ 6	7.7+ 6	SWD	EXPT	NP/A	443	404	85	ANDERSSON+ SIGMA	+
079	AU	197	(N,G)	CS	1.0+ 4	4.0+ 6	JPN	THEO	NSE	96	210	87	YAMAMURO+ CAL.SIGMA CURVE	+
079	AU	197	(N,G)	CS	2.5+ 4	3.0+ 4	KFK	EVAL	PR/C	37	595	88	RATYNSKI+ AVERAGE SIGMA	+
079	AU	197	(N,G)	CS	1. + 5	3. + 6	RCN	COMP	PR/C	41	1941	90	KOPECKY+ RADAT.CAPT.SIGMA CURVE	+

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
079 AU 197	(N,G	) CS	2.3+ 4	9.7+ 5	USA	EXPT	NSE	109	215	91	SAKAMOTO+ SIGMA CURVE	+
079 AU 197	(N,G	) ED	PILE		CCP	EXPT	NP	4	91	57	ESTULIN+ N-CAPT.SOFT GAMMA	
079 AU 197	(N,G	) ED	1. + 5		SWD	EXPT	NP	22	513	61	BERGQVIST+ N-CAPT.GAMMA SPECTR.	
079 AU 197	(N,G	) ED	1. + 6	4. + 6	SWD	EXPT	NP/A	67	321	65	LUNDBERG+ GAMMA SPECTRUM	
079 AU 197	(N,G	) ED	5. + 5	3.0+ 6		EXPT	PR/C	20	2072	79	JOLY+ GAM.STRENGTH FUNC.	
079 AU 197	(N,G	) XX	NDG		NED	THEO	PR/C	41	1941	90	KOPECKY+ GAMMA STRENGTH FUNCTION	
079 AU 197	(N,G	) YD	1.5+ 4	3.0+ 5	SWD	EXPT	NP	39	353	62	BERGQVIST+ N-CAPT.GAMMA	
079 AU 197	(N,G	) YD	2.5- 2		CAN	EXPT	NP/A	84	113	66	JOHNSON+ GAMMA INTENSITY	
079 AU 197	(N,G	) YD	2.5- 2	4.9+ 0	YAL	EXPT	NP/A	92	696	67	WETZEL+ N-CAPT.GAMMA	
079 AU 197	(N,G	) YD	4.9+ 0		BNL	EXPT	PR	173	1170	68	WASSON+ PARTIAL GAMMA INTENSITY	
079 AU 197	(N,G	) YD	PILE			EXPT	ZP	245	198	71	ELKADY+ TRANSIT GAMMA	
079 AU 197	(N,G	) YD	0	6.0+ 2	SAC	EXPT	NP/A	223	509	74	JAIN+ RES. PARAM.	
079 AU 197	(N,G	) YD	2.6+ 6		CRL	EXPT	CJP	52	989	74	EARLE+ DIPOL.RES.PARAMETER	
079 AU 197	(N,G	) YD	2.5- 2		GER	EXPT	ZP/A	272	175	75	MIRZA+ GAMMA INTENSITY	
079 AU 197	(N,G	) YD	2. + 3	2.4+ 4	BNL	EXPT	PR/C	24	1419	81	STELTS+ LEVEL DENSITY	
079 AU 197	(P,G	) CS	1.5+ 6	1.1+ 7	SWD	EXPT	ZP	266	245	74	AKSELSSON+ L X-RAY YIELD	+
079 AU 197	(D,G	) CS	5. + 6	1.6+ 7		EXPT	ZP/A	291	377	79	KANTUS+	
079 AU 198	(N,G	) CS	2.5- 2		CAN	EXPT	CJP	33	457	55	BELL+ SIGMA VALUE	+

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
080 HG 000	(G,E	) CS	1.2+ 6		IND	EXPT	NP/A	75	539	66	GHOSE SIGMA VALUE & PLOT	+
080 HG 000	(G,ELASTIC	) AD	1.1+ 7	1.3+ 7	IND	EXPT	NP/A	149	49	70	BASAVARAJU+ DIFF.SIGMA VALUE	+
080 HG 000	(G,ELASTIC	) CS	7.3+ 6	7.9+ 6	USA	EXPT	PR	132	1724	63	YOUNG+ NEUT-CAPT.GAMMA SOURCE	
080 HG 000	(G,ELASTIC	) CS	4.5+ 6	7.5+ 6		EXPT	PR/C	19	342	79	LASZEWSKI+ AV.SIGMA	
080 HG 000	(G,INELASTIC	) YD	4.9+ 6		USA	EXPT	NP/A	201	570	73	MECCA+ GAMMA WIDTH	
080 HG 000	(G,SCATTERING)	AD	1.4+ 5		IND	EXPT	NIM	131	163	75	ROY+ COHERENT SCATT.SIGMA CURVE	+
080 HG 000	(E,ELASTIC	) AD	2. + 2	2.9+ 5	GER	THEO	NP/A	59	56	64	HOLZWARTH+ IR PRODUCTION	
080 HG 000	(E,ELASTIC	) CS	4.6+ 4	2.0+ 5	GER	THEO	ZP	212	61	68	BUEHRING CAL.SIGMA TABLE	+
080 HG 000	(E,ELASTIC	) YD	NDG		GER	THEO	ZP	229	299	69	WEISS SPIN POLARIZATION	
080 HG 000	(E,INELASTIC	) XX	2.5+ 1	1.8+ 2	GER	EXPT	ZP	241	355	71	EITEL+ ELECTRON SPIN POLARIZATION	
080 HG 000	(N,G	) YD	1.0+ 1	3.0+ 4	ANL	EXPT	NP	21	66	60	CARPENTER+ RESONANT CAPT.GAMMA	
080 HG 000	(N,G	) YD	1.5+ 4	3.0+ 5	SWD	EXPT	NP	39	353	62	BERGQVIST+ N-CAPT.GAMMA	
080 HG 000	(N,G	) YD	2.5- 2		GER	EXPT	ZP	185	478	65	MAIER+ GAMMA TRANSITION	
080 HG 000	(N,G	) YD		3.0+ 2	SAC	EXPT	NP/A	135	241	69	ALVES+ GAMMA INTENSITY	
080 HG 000	(N,G	) YD	7. + 5	2.6+ 6	CRL	EXPT	CJP	52	989	74	EARLE+ DIPOL.RES.PARAMETER	
080 HG 196	(N,G	) CS	2.5- 2		BNL	EXPT	PR	128	761	62	SEHGAL ISOMERIC SIGMA VALUE	+
080 HG 196	(N,G	) XX	2.5- 2		ANL	EXPT	PR	120	1313	60	VANDENBOSCH+ ISOMERIC SIGMA RATIO	
080 HG 198	(N,G	) CS	5. + 3	1.0+ 5	KFK	EXPT	PR/C	32	738	85	BEER+ MAXWELL.AVERAGE CAPT.SIGMA	+

ELEMENT Z S A	QUANTITY	ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
080 HG 198	(N,G) YD	2.5- 2	1.8+ 2	RPI	EXPT	PR	155	1301	67	RAE+ RESONANCE PARAM.	
080 HG 198	(N,G) YD		2.1+ 2	CRC	EXPT	NP/A	243	413	75	LONE+ RESONANCE PARAM.	
080 HG 199	(G,INELASTIC) CS		3. + 7	USA	EXPT	NP/A	98	529	67	BOOTH+ ISOMER EXCITAT.SIGMA CURVE	+
080 HG 199	(G,INELASTIC) CS	1.0+ 6	1.7+ 6	FR	EXPT	NP/A	137	520	69	BOIVIN+ ACTIVATION SIGMA	+
080 HG 199	(E,INELASTIC) CS		3. + 7	USA	EXPT	NP/A	98	529	67	BOOTH+ ISOMER EXCITAT.SIGMA CURVE	+
080 HG 199	(N,G) CS	5. + 3	1.0+ 5	KFK	EXPT	PR/C	32	738	85	BEER+ MAXWELL.AVERAGE CAPT.SIGMA	+
080 HG 199	(N,G) ED	PILE		CCP	EXPT	NP	4	91	57	ESTULIN+ N-CAPT.SOFT GAMMA	
080 HG 199	(N,G) YD	3.4+ 1	3.2+ 2	HAR	EXPT	NP	13	525	59	BIRD+ RES.CAPT.GAMMA	
080 HG 199	(N,G) YD	2.5- 2		CRC	EXPT	NP/A	50	209	64	BARTHOLOMEW+ LEVEL SPIN	
080 HG 199	(N,G) YD	2.5- 2		KFK	EXPT	NP/A	147	150	70	EICHLER+ CIRCULAR POLARIZATION	
080 HG 199	(N,G) YD	2.5- 2	1.8+ 8	BNL	EXPT	PR/C	9	366	74	BREITIG+ HG-200 LEVEL	
080 HG 199	(N,G) YD		2.1+ 2	CRC	EXPT	NP/A	243	413	75	LONE+ RESONANCE PARAM.	
080 HG 199	(N,G) YD	2.5- 2		GER	EXPT	ZP/A	280	239	77	SEYFARTH+ KX-RAY INTENSITY	
080 HG 200	(E,INELASTIC) AD	2.0+ 8		SWT	THEO	NP/A	61	417	65	SCHUCAN CAL.DIFF.SIGMA CURVE	+
080 HG 200	(N,G) CS	5. + 3	1.0+ 5	KFK	EXPT	PR/C	32	738	85	BEER+ MAXWELL.AVERAGE CAPT.SIGMA	+
080 HG 200	(N,G) YD	3.4+ 1		BNL	EXPT	PR	107	1333	57	LANDON+ RESONANT.CAPT.GAMMA	
080 HG 200	(N,G) YD	2.5- 2	1.7+ 2	ANL	EXPT	PR	133	B583	64	SEGEL+ NEUT.-CAPT.GAMMA	
080 HG 201	(N,G) CS	5. + 3	1.0+ 5	KFK	EXPT	PR/C	32	738	85	BEER+ MAXWELL.AVERAGE CAPT.SIGMA	+
080 HG 201	(N,G) YD	2.5- 2	2.1+ 2	BNL	EXPT	PR/C	11	546	75	BREITIG+ HG-202 LEVEL SCHEM	
080 HG 201	(N,G) YD		2.1+ 2	CRC	EXPT	NP/A	243	413	75	LONE+ RESONANCE PARAM.	
080 HG 202	(G,G) CS	4.9+ 6		ISL	EXPT	NP/A	218	95	74	TENENBAUM+ SCATT.SIGMA TBL	+
080 HG 202	(N,G) CS	5. + 3	1.0+ 5	KFK	EXPT	PR/C	32	738	85	BEER+ MAXWELL.AVERAGE CAPT.SIGMA	+
080 HG 204	(N,G) CS	5. + 3	1.0+ 5	KFK	EXPT	PR/C	32	738	85	BEER+ MAXWELL.AVERAGE CAPT.SIGMA	+

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
081 TL 000	(G,ELASTIC	) CS	4.5+ 6	7.5+ 6		EXPT	PR/C	19	342	79	LASZEWSKI+ AV.SIGMA	
081 TL 000	(G,N	) ED	6.7+ 6	9.4+ 6		EXPT	ZP/A	289	325	79	BARKMAN+ Q-VALUE OF PHOTONEUT.	
081 TL 000	(G,XN	) CS		1.1+ 8	OXF	EXPT	NP/A	65	130	65	MOFFATT+ TL-200,201,202 PRODUCT.	+
081 TL 000	(N,G	) CS	1.0+ 4	2.0+ 5	KFK	EXPT	NP/A	141	602	70	KOMPE+ SIGMA CURVE & TABLE	+
081 TL 000	(N,G	) YD	7. + 5	2.6+ 6	CRL	EXPT	CJP	52	989	74	EARLE+ DIPOL.RES.PARAMETER	
081 TL 203	(G,G	) AD	2.8+ 5		USA	EXPT	NP/A	101	193	67	PALATHINGAL+ LEVEL WIDTH	
081 TL 203	(G,G	) YD	2.8+ 5		USA	EXPT	PR	126	1168	62	DEUTCH RES.FLUORESC.	
081 TL 203	(G,G	) YD	1.4+ 6	6.4+ 6	ISL	EXPT	PR/C	2	249	70	MOREH+ TL-203 LEVELS	
081 TL 203	(N,G	) YD	2.5- 2		CAN	EXPT	PR	140	B1562	65	PRESTWICH+ GAMMA INTENSITY	
081 TL 203	(N,G	) YD	PILE		CAN	EXPT	CJP	52	1215	74	COLENBRANDER+ GAMMA INTENSITY	
081 TL 203	(N,G	) YD	1.5+ 1	1.0+ 5	COL	EXPT	PR/C	12	102	75	LIOU+ RES. PARAM.	
081 TL 205	(G,G	) YD	4.4+ 6	7.6+ 6	ISL	EXPT	PR	182	1236	69	MOREH+ TL-205 LEVEL	
081 TL 205	(G,INELASTIC	) AD	7.6+ 6		ITY	EXPT	NP/A	141	561	70	CESAREO+ RESONANT FLUORESC.	
081 TL 205	(G,INELASTIC	) YD	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	) YD	1.5+ 1	1.0+ 5	COL	EXPT	PR/C	12	102	75	LIOU+ RES. PARAM.	

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
082 PB 000	(G,ABSORPTION)	CS	6.4+ 6		ISL	EXPT	NP/A	252	423	75	MOREH+ ATTENUAT. COEFF.	+
082 PB 000	(G,ABSORPTION)	CS	3.2+ 4	1.5+ 5	IND	EXPT	CJP	59	22	81	PUTTASWAMY+ TOT.ATTENUAT.SIGMA	+
082 PB 000	(G,ABSORPTION)	CS	5.0+ 3	1.5+ 5	IND	EXPT	CJP	59	853	81	PUTTASWAMY+ K-SHELL PHOTOELECTRIC	+
082 PB 000	(G,ABSORPTION)	CS	1.5+ 8	4.4+ 8	SAC	EXPT	PL/B	127	331	83	CHOLLET+ TOT ABS SIGMA CURV	
082 PB 000	(G,ABSORPTION)	CS	1.5+ 8	4.4+ 8	SAC	EXPT	NP/A	431	573	84	CARLOS+ SIGMA TBL	+
082 PB 000	(G,ABSORPTION)	CS	NDG		IND	EXPT	CJP	67	139	89	LINGAM+ TOT.PHOTOELECTRIC SIGMA	+
082 PB 000	(G,ABSORPTION)	CS	NDG		IND	EXPT	CJP	67	139	89	CHANDRA+ K-SHELL PHOTOELECT.SIGMA	+
082 PB 000	(G,ABSORPTION)	CS	69 +7		ITY	EXPT	PR/C	44	354	91	MARTINS+ SIGMA TABLE	+
082 PB 000	(G,E	) CS	6.6+ 5	1.3+ 6	IND	EXPT	NP/A	75	539	66	GHOSE SIGMA VALUE & CURVE	+
082 PB 000	(G,E	) CS	3.2+ 5		IND	EXPT	CJP	55	1592	77	RANGANATHALAH+ K-SHELL PHOTOSIGMA	+
082 PB 000	(G,E	) XX	8.5+ 5	1.8+ 6	CAN	EXPT	CJP	53	1721	75	LOGAN+ PHOTOELECT.EFFECT	
082 PB 000	(G,ELASTIC	) AD	1.2+ 6	1.3+ 6	CAN	EXPT	CJP	46	1153	68	DIXON+ DIFF.SIGMA TABLE	+
082 PB 000	(G,ELASTIC	) AD	1.1+ 7	1.3+ 7	IND	EXPT	NP/A	149	49	70	BASAVARAJU+ DIFF.SIGMA VALUE	+
082 PB 000	(G,ELASTIC	) AD	1.3+ 6		USA	EXPT	PR/C	3	1287	71	HARGIE+ DIFF.SIGMA CURVE	+
082 PB 000	(G,ELASTIC	) AD	3.4+ 5	1.4+ 6		EXTH	JP/G	6	1147	80	CHITWATTANAGORN+ 9ANGLE	
082 PB 000	(G,ELASTIC	) CS	1.2+ 6	1.3+ 6	CAN	EXPT	CJP	40	622	62	STANDING+ CO-60 G-SOURCE,SIGMA TBL	+
082 PB 000	(G,ELASTIC	) CS	6.4+ 6		USA	EXPT	PR	132	1724	63	YOUNG+ NEUT-CAPT.GAMMA SOURCE	
082 PB 000	(G,ELASTIC	) CS	2.5+ 6	3.5+ 6		EXPT	PL/B	92	71	80	MUECKENHEIM+ RADIOACT. SOURCE	
082 PB 000	(G,ELASTIC	) CS	4.2+ 6	9.3+ 6		EXPT	PR/C	28	1519	83	KAHANE+ DIF.SIGMA TBL	+
082 PB 000	(G,F	) CS	1.0+ 8	2.6+ 8	CCP	EXPT	SNP	5	26	67	RANYUK+ SIGMA TABLE	+
082 PB 000	(G,F	) CS	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 REF	VOL	PAGE	YEAR	COMMENTS	DATA
082 PB 000	(G,F)	CS	1. + 9	7.4+ 9	SWD	EXPT	NP/A	197	44	72	ANDERSSON+ SIGMA PLOT	+
082 PB 000	(G,F)	CS	69 +7		ITY	EXPT	PR/C	44	354	91	MARTINS+ SIGMA TABLE	+
082 PB 000	(G,F)	YD	1.0+ 9	7.4+ 9	SWD	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	CHIWATTANAGORN+	+
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)	AD	2.8+ 5	1.3+ 6	IND	EXPT	NP/A	57	547	64	NATH+ DIFF.SIGMA PLOT	+
082 PB 000	(G,G)	AD	2.8+ 5	6.6+ 5	IND	EXPT	NP/A	73	368	65	ANAND+ DIFF.SIGMA TABLE	+
082 PB 000	(G,G)	AD	1.1+ 6		IND	EXPT	NP/A	62	296	65	NARASIMHA+ DIFF.SIGMA TABLE	+
082 PB 000	(G,G)	AD	1.2+ 7	1.7+ 7	SAC	EXPT	NP/A	75	396	66	BOTTON+ DIFF.SIGMA TABLE	+
082 PB 000	(G,G)	AD	6.6+ 5		BLG	EXPT	NP/A	101	417	67	QUIVY DIFF.SIGMA CURVE	+
082 PB 000	(G,G)	AD	1.3+ 6		USA	EXPT	PR/C	1	714	70	HARDIE+ DIFF.SIGMA TBL	+
082 PB 000	(G,G)	AD	8.9+ 5	1.1+ 6	GER	EXPT	NP/A	206	531	73	SCUMACHER+ DIFF.SIGMA TABLE	+
082 PB 000	(G,G)	AD	1.1+ 7		ANL	EXPT	PR/C	9	1153	74	JACKSON+ PHOTON SCAT.	
082 PB 000	(G,G)	AD	6.8+ 6	1.1+ 7	ISL	EXPT	PR/C	18	1217	78	KAHANE+ RAYLEIGH & DELBRUCK AMP.	
082 PB 000	(G,G)	AD	4.7+ 5		IDF	EXPT	PR/C	24	1765	81	BARROS+ RAYLEIGH DIFF.SCAT.SIGMA	+
082 PB 000	(G,G)	AD	3.0+ 7	1.0+ 8	GER	EXPT	NP/A	536	87	92	BAUMANN+ DELBRUCK SCATT.SIGMA TBL	+
082 PB 000	(G,G)	CS	2.8+ 5	6.6+ 5		EXPT	NP/A	80	93	66	ANAND+ SIGMA CURVE	+
082 PB 000	(G,G)	CS	6.6+ 5		BLG	EXPT	NP/A	76	362	66	QUIVY COMPTON SIGMA CURVE	+
082 PB 000	(G,G)	CS	2.8+ 6		GOE	EXPT	PR/C	13	2318	76	SCHUMACHER+ SIGMA	+
082 PB 000	(G,G)	CS	1. + 6	4. + 6	GOE	EXPT	PR/C	33	1606	86	KASTEN+ DELBRUICK&RAYLEIGH SCATT.	
082 PB 000	(G,G)	XX	2.8+ 5	1.3+ 6	IND	EXPT	NP/A	64	502	65	SINGH+ LINEAR POLARIZATION	
082 PB 000	(G,MESON)	YD	1.2+ 9		COR	EXPT	PR	133	B1200	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	87	STORM+	
082 PB 000	(G,N)		2.0+ 7	3.0+ 7		EXPT	PR/C	35	479	87	MURAKAMI+	+
082 PB 000	(G,N)	AD	2.2+ 7		SAS	EXPT	CJP	39	1158	61	BAKER+ ANGL.DIFF.SIGMA	+
082 PB 000	(G,N)	CS	7. + 6	2.3+ 7	USA	EXPT	PR	108	77	57	TOMS+ SIGMA CURVE	+
082 PB 000	(G,N)	CS		2.7+ 7	SAC	EXPT	NP	32	236	62	MILLER+ INTEGRAT.SIGMA VALUE	+
082 PB 000	(G,N)	CS		2.0+ 8		EXPT	AE	48	115	80	ANTIPENKO+ LINAC, ACTIVITY	
082 PB 000	(G,N)	ED	7.0+ 7		CAN	EXPT	CJP	33	785	55	DIXON ENERGY & ANGL.DISTRIBUTION	
082 PB 000	(G,N)	ED	2.2+ 7	2.8+ 7	CAN	EXPT	CJP	48	950	70	MCNEILL+ N SPECTRUM	
082 PB 000	(G,N)	ED	7.0+ 8	1.2+ 9	CCP	EXPT	SNP	13	265	71	ANTUF'EV+ DEUTERON SPECT.	
082 PB 000	(G,N)	ED	3.1+ 7		CCP	EXPT	SNP	21	129	75	EVSEEV+ NEUTRON SPECT.MEASURED	
082 PB 000	(G,N)	ED	6.7+ 6	9.4+ 6		EXPT	ZP/A	289	325	79	BARKMAN+ Q-VALUE OF PHOTONEUT.	
082 PB 000	(G,N)	YD		1.2+ 9	CCP	EXPT	UFZ	29	655	83	ANTINENKO+	
082 PB 000	(G,N EMISSION)	CS	3.0+ 7	9.0+ 7		EXPT	NP/A	390	240	82	LEPRETRE+	
082 PB 000	(G,N EMISSION)	YD	2.5+ 7	1.4+ 8		EXPT	NP/A	390	221	82	LEPRETRE+	
082 PB 000	(G,P)	AD	2.3+ 7	3.4+ 7	CCP	EXPT	NP	37	495	62	SHEVCHENKO+ ANGL.& ENERG.DIST.	
082 PB 000	(G,P)	ED	7.0+ 8	1.2+ 9	CCP	EXPT	SNP	13	265	71	ANTUF'EV+ DEUTERON SPECT.	
082 PB 000	(G,P)	XX	1.7+ 8	2.2+ 8	CCP	EXPT	SNP	51	999	90	AVAKYAN+ POLARIZATION	
082 PB 000	(G,PION +)	DD	2.2+ 8	4.5+ 8	GER	EXPT	NP/A	526	479	91	ARENDS+ DOUBL.DIFF.SIGMA CURVE	+
082 PB 000	(G,PION +)	YD		3.4+ 8	LRL	EXPT	PR	108	1040	57	IMHOF+ POSITV.PION PRODUCT.	+
082 PB 000	(G,PION -)	DD	2.2+ 8	4.5+ 8	GER	EXPT	NP/A	526	479	91	ARENDS+ DOUBL.DIFF.SIGMA CURVE	+
082 PB 000	(G,PION)	CS	1.0+ 9		COR	EXPT	PR	123	1423	61	MCCLELLAND CHARGED MESON PRODUCT.	+
082 PB 000	(G,PION)	CS	5.0+ 8		CCP	EXPT	SNP	14	20	72	GRISHAEV+ SIGMA TBL	+
082 PB 000	(G,PION)	YD	1.7+ 8		USA	EXPT	PR	127	1772	62	SCHRACK+ MESON PRODUCTION	
082 PB 000	(G,SCATTERING)	AD	1.7+ 7		GER	EXPT	ZP	170	47	62	STIERLIN+ DIFF.SIGMA	+
082 PB 000	(G,SCATTERING)	AD	1.4+ 5		IND	EXPT	NIM	131	163	75	ROY+ COHERENT SCATT.SIGMA CURVE	+
082 PB 000	(G,SCATTERING)	AD	6.0+ 4		GER	EXPT	ZP/A	283	15	77	SCHUMACHER+ RAYLEIGH SCATT. TBL	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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 SCTT.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	AUW	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	2.8+ 6	NED	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	LEPRETRE+ TOTAL PHOTOABSORP.SIGMA	+
082	PB	000	(G,XN)	CS	2.5+ 7	1.4+ 8	SAC	EXPT	NP/A	367	237	81	LEPRETRE+ 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	B447	64	THOM SHOWER PRODUCT.	
082	PB	000	(E,X)	YD	5.0+ 8	1.0+ 9	USA	EXPT	PR	136	B237	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		ORL	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	BB	239	79	BIRENBAUM+ N-CAPT GAMMMA	

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

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
082	PB	208	(G,ABSORPTION)	CS	1.0+ 7	1.0+ 8	GER	EXPT	NP/A	489	189	88	SCHELHAAS+ TOTAL ABS.SIGMA	+
082	PB	208	(G,ABSORPTION)	CS	2.0+ 7	1.4+ 8	GER	THEO	NP/A	530	267	91	BARON+ SIGMA CURVE	+
082	PB	208	(G,ABSORPTION)	XX	NDG		CCP	THEO	NP	40	93	63	BALASHOV COLLECTIVE DIPOLE EXCIT.	
082	PB	208	(G,ELASTIC)	AD	4.3+ 6	4.8+ 6		EXPT	NP/A	346	418	80	SOHUMACHER+ N-CAPT GAM SOURCE	
082	PB	208	(G,ELASTIC)	AD		1.0+ 7		EXPT	PR/C	22	1420	80	CHAPURAN+ RES. PHOTON SCAT.	
082	PB	208	(G,ELASTIC)	AD	9.5+ 6	1.2+ 7		EXPT	PR/C	25	780	82	STARR+	
082	PB	208	(G,ELASTIC)	CS	4.5+ 6	7.5+ 6		EXPT	PR/C	19	342	79	LASZEWSKI+ AV.SIGMA	
082	PB	208	(G,ELASTIC)	CS	4.2+ 6	9.3+ 6		EXPT	PR/C	28	1519	83	KAHANE+ DIF.SIGMA TBL	+
082	PB	208	(G,ELASTIC)	CS	1.5+ 7	4.0+ 8	MPH	EXPT	NP/A	414	333	84	KAYWARD+ MES.AT 115DEG.,SIGMA TBL	+
082	PB	208	(G,F)	CS	5.2+ 7		ITY	EXPT	PR/C	44	1683	91	TAVARES+ SIGMA VALUE ANALYSED	+
082	PB	208	(G,G)	AD	3.2+ 6		GER	EXPT	ZP/A	300	43	81	MUECKENHEIM+ 90DEG.DIFF.SIGMA	+
082	PB	208	(G,G)	AD	1.0+ 7	1.0+ 8	GER	EXPT	NP/A	362	111	81	LEIGHT+ SIGMA CURVE	+
082	PB	208	(G,G)	AD	1.0+ 7	1.0+ 8	GER	EXPT	NP/A	489	189	88	SCHELHAAS+ 4ANGLES DIFF.SIG.CURVE	+
082	PB	208	(G,G)	CS	1.5+ 7		GER	EXPT	ZP	175	430	63	SCHMID+ RESONANT SCATT.	+
082	PB	208	(G,G)	XX	7.3+ 6		ISL	EXPT	NP/A	228	77	74	MOREH+ TEMP. EFFECT OF SCATT.	
082	PB	208	(G,G)	YD	7.3+ 6		GER	EXPT	ZP	175	172	63	FLEISCHMANN+ RESONANT SCATT.	
082	PB	208	(G,G)	YD	7.3+ 6		USA	EXPT	PR	145	982	66	DOWDY+ LEVEL WIDTH	
082	PB	208	(G,G)	YD	7. + 6		USA	EXPT	PR/C	9	1568	74	SCHOLZ+ RESONANCE FLUORESC.	
082	PB	208	(G,G)	YD	6.6+ 6	9.7+ 6	AUI	EXPT	PR/C	15	1977	77	COOPE+ LEVEL PARAM.	
082	PB	208	(G,G)	YD	4.8+ 6	7.1+ 6	GRN	EXPT	PR/C	24	808	81	BIESIOT+ RES. FLUORESC.	
082	PB	208	(G,G)	YD		1.0+ 7	GER	EXPT	NP/A	372	1	81	ACKERMANN+ GAMMA INTENSITY	
082	PB	208	(G,G)	YD	5.1+ 6	6.2+ 6	CCP	EXPT	SNP	48	1	88	BEGZHANOV+ RES.SCATT.,LEVEL WIDTH	
082	PB	208	(G,MESON)	CS	1.1+ 8	4.2+ 8	SPN	THEO	NP/A	541	585	92	CARRASCO+ CAL.SIGMA CURVE	+
082	PB	208	(G,N)	AD	0.0+ 0	1.0+ 6	LRL	EXPT	PR/C	3	2475	71	BAGLAN+ 135 DEG.DIFF.SIGMA CURVE	+
082	PB	208	(G,N)	AD	NDG		LRL	EXPT	PR/C	3	672	71	BAGLAN+ DIFF.SIGMA CURVE	+
082	PB	208	(G,N)	AD	1.7+ 7	2.9+ 7	CAN	EXPT	CJP	53	1434	75	JOHNSON+ DIFF.SIGMA CURVE	+
082	PB	208	(G,N)	CS	8. + 6	2.6+ 7	LRL	EXPT	PR	136	B126	64	HARVEY+ SIGMA CURVE	+
082	PB	208	(G,N)	CS	7.7+ 6	1.1+ 7	USA	EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
082	PB	208	(G,N)	CS		4.0+ 4	LRL	EXPT	PR	178	1827	69	BOWMAN+ RES.PARAM.	
082	PB	208	(G,N)	CS	NDG		LRL	EVAL	PR/C	2	1809	70	SHAKIN+ CAL.SIGMA CURVE & FORMULA	+
082	PB	208	(G,N)	CS	7. + 6	1.7+ 7	CCP	EXPT	SNP	12	370	71	ISHKHANOV+ SIGMA CURVE & TBL	+
082	PB	208	(G,N)	CS	7.9+ 6	9.0+ 6	ANL	EXPT	PR/C	9	1148	74	JACKSON BACKGROUND SIGMA TBL	+
082	PB	208	(G,N)	CS	8.5+ 6	9.0+ 6	MCM	EXPT	PR/C	13	1864	76	MCFEE+ ABSOLUTE PHOTONEUT.SIGMA	+
082	PB	208	(G,N)	CS	8. + 6	1.3+ 7	GHT	EXPT	ZP/A	284	91	78	VAN DE VYVER+ SIGMA	+
082	PB	208	(G,N)	CS	8. + 6	1.3+ 7	BLG	EXPT	ZP/A	284	91	78	VAN DE VYVER+ SIGMA CURVE	+
082	PB	208	(G,N)	CS	7.4+ 6	8.4+ 6		EXPT	PR/C	20	93	79	HOLT+ SCAT ANG.= 90 & 135 DEG.	
082	PB	208	(G,N)	CS	9.9+ 6	1.1+ 7		EXPT	PR/C	25	791	82	BELL+	
082	PB	208	(G,N)	ED	1.0+ 7		CAN	EXPT	CJP	53	1422	75	HAACKE+ M1 RESONANCE	
082	PB	208	(G,N)	YD	8.4+ 6		ANL	EXPT	PR/C	6	1440	72	TOOHEY+ PHOTO-N. RESONANCE	
082	PB	208	(G,N)	YD	7.0+ 6	1.1+ 7	ISL	THEO	NP/A	369	483	81	BIRENBAUM+ RELATIVE INTENSITY	
082	PB	208	(G,NP)	CS	1.4+ 7	3.2+ 7	GER	EXPT	NP/A	164	140	71	DAHMEN+ SIGMA CURVE	+
082	PB	208	(G,P)	AD	2.5+ 7	4.0+ 7	TOH	EXPT	NP/A	246	357	75	SHODA+ LEGENDRE COEF.	+
082	PB	208	(G,P)	AD	4.5+ 9		CCP	EXPT	NP/A	367	429	81	ALANAKYAN+ DIFF.SIGMA CURVE	+
082	PB	208	(G,P)	CS	1.4+ 7	3.2+ 7	GER	EXPT	NP/A	164	140	71	DAHMEN+ SIGMA CURVE	+
082	PB	208	(G,P)	CS	1.9+ 7	2.9+ 7	TOH	EXPT	NP/A	246	365	75	SHODA+ SIGMA CURVE	+
082	PB	208	(G,P)	YD		2.3+ 7	PEN	EXPT	PR	98	626	55	TOMS+ PHOTOPROTON YIELD	
082	PB	208	(G,SCATTERING)	AD	2.0+ 7	1.4+ 8	GER	THEO	NP/A	530	267	91	BARON+ COMPTON SCATT.,SIGMA CURVE	+
082	PB	208	(G,XN)	CS	8. + 6	2.6+ 7	LRL	EXPT	PR	136	B126	64	HARVEY+ SIGMA CURVE	+
082	PB	208	(G,XN)	CS	6. + 6	3.5+ 7	SAC	EXPT	NP/A	159	561	70	VEYSSIERE+ SIGMA CURVE & TABLE	+
082	PB	208	(G,2N)	CS	9. + 6	2.6+ 7	LRL	EXPT	PR	136	B126	64	HARVEY+ SIGMA CURVE	+
082	PB	208	(E,ELASTIC)	AD	1.2+ 8	1.7+ 8	GER	EXPT	NP/A	182	523	72	FRIEDRICH+ DIFF.SIGMA TABLE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
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		MNZ	THEO	PR/C	13	245	76	CHANDRA+ DIFF.SIGMA	+
082	PB	208	(E,ELASTIC)	CS	6.0+ 8		USA	THEO	NP/A	118	436	68	ONLEY RELATIVE SIGMA CURVE	+
082	PB	208	(E,EP)			4.1+ 8	NED	EXPT	PRL	58	1088	87	QUINT+	
082	PB	208	(E,EP)	XX	NDG		NED	REVW	NP/A	434	85	85	LAPIKAS	
082	PB	208	(E,F)	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)	YD	3.0+ 7	4.4+ 7	TOR	EXPT	PR/C	16	239	77	KERNOHAN+ YIELD CURVES	
082	PB	208	(E,INELASTIC)	CS		5.0+ 8	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)	DD	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	B695	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	BERGQVIST+ TOTAL CAPT.SIGMA	+
082	PB	208	(N,G)	CS	2.3+ 6	7.3+ 6	GER	THEO	ZP	264	405	73	MANTZOURANIS TOT.CAPT.SIGMA	-
082	PB	208	(N,G)	CS	NDG		ITY	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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
082	PB	208	(N,G)	YD	NDG		ITY	THEO	NP/A	516	41	90	GUIDOTTI+ M1 TRANSIT.AMPLITUDE	
082	PB	208	(P,G)	CS	1.0+ 7	7.0+ 7	DEN	THEO	NP/A	57	339	64	BROWN CAL.SUGMA CURVE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
083	BI	209	(G,ABSORPTION)	CS	6.4+ 6		ISL	EXPT	NP/A	252	423	75	MOREH+ ATTENUAT. COEFF.	+
083	BI	209	(G,ABSORPTION)	CS	5. - 1	3. + 0	GER	EXPT	ZP/A	282	143	77	FELDMANN+ PHOTODETACH.SIGMA CURVE	+
083	BI	209	(G,ABSORPTION)	CS	3. + 6	3.0+ 7		EXPT	PR/C	21	2328	80	SHERMAN+ TOF	
083	BI	209	(G,ABSORPTION)	CS	7. + 6	2.0+ 7		EXPT	NP/A	338	97	80	GUREVICH+	
083	BI	209	(G,ABSORPTION)	CS	3.0+ 6	2.8+ 7	MRC	EXPT	PR/C	27	1011	83	SHERMAN+ TOT ABS SIGMA TBL	+
083	BI	209	(G,ABSORPTION)	CS	7.6+ 6	1.2+ 7	CCP	EXPT	SNP	42	662	85	BELYAEV+ RES.&INTEGRAT. SIGMA	+
083	BI	209	(G,ABSORPTION)	CS	69 +7		ITY	EXPT	PR/C	44	354	91	MARTINS+ SIGMA TABLE	+
083	BI	209	(G,ELASTIC)	AD		1.0+ 7		EXPT	PR/C	22	1420	80	CHAPURAN+ RES. PHOTON SCAT.	
083	BI	209	(G,ELASTIC)	AD	8. + 6	1.3+ 7	NEG	EXPT	PR/C	33	1793	86	KAHANE SIGMA CURVE	+
083	BI	209	(G,ELASTIC)	CS	4.5+ 6	8.5+ 6	NBS	EXPT	NP	33	431	62	FULLER+ SIGMA CURVE	+
083	BI	209	(G,ELASTIC)	CS	7.3+ 6	7.9+ 6	USA	EXPT	PR	132	1724	63	YOUNG+ NEUT-CAPT.GAMMA SOURCE	
083	BI	209	(G,ELASTIC)	CS	4.5+ 6	7.5+ 6		EXPT	PR/C	19	342	79	LASZEWSKI+ AV.SIGMA	
083	BI	209	(G,ELASTIC)	CS	2.5+ 6	3.5+ 6		EXPT	PL/B	92	71	80	MUECKENHEIM+ RADIOACT. SOURCE	
083	BI	209	(G,ELASTIC)	CS	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)	CS	1.5+ 8	5.0+ 8	LRL	EXPT	PR	106	585	57	JUNGERMAN PHOTOFISSION	+
083	BI	209	(G,F)	CS	1.0+ 8	2.6+ 8	CCP	EXPT	SNP	5	26	67	RANYUK+ SIGMA TABLE	+
083	BI	209	(G,F)	CS	1.0+ 8	5. +12	CCP	EXPT	SNP	14	37	72	VARTAPETYAN+ SIGMA TBL & CURVE	+
083	BI	209	(G,F)	CS	6.0+ 8		SWD	EXPT	NP/A	251	418	75	ARESKOUG+ SIGMA CURVE	+
083	BI	209	(G,F)	CS	1.0+ 8	3.0+ 8	FRA	EXPT	PR/C	39	911	89	LUCHERINI+ SIGMA CURVE	+
083	BI	209	(G,F)	CS	69 +7		ITY	EXPT	PR/C	44	354	91	MARTINS+ SIGMA TABLE	+
083	BI	209	(G,F)	CS	5.2+ 7		ITY	EXPT	PR/C	44	1683	91	TAVARES+ SIGMA VALUE ANALYSED	+
083	BI	209	(G,F)	ED		6.0+ 8	SWD	EXPT	ZP/A	282	333	77	ARESKOUG+ DISTRIBUT. OF KINETIC E	+
083	BI	209	(G,F)	XX		2.5+ 8	CCP	EXPT	SNP	5	165	67	ANTUF'EV+ KINETIC ENERGY OF FRAG.	
083	BI	209	(G,F)	YD	3.0+ 8	1.1+ 9	SWD	EXPT	NP/A	143	449	70	SCHRODER+ MASS YIELD	
083	BI	209	(G,F)	YD	6.0+ 8	5.1+ 9	CCP	EXPT	SNP	16	502	73	DEMEKHINA+ FRAGMENT ANISOTROPY	
083	BI	209	(G,G)	AD	1.2+ 7	1.7+ 7	SAC	EXPT	NP/A	75	796	66	BOTTON+ DIFF.SIGMA TABLE	+
083	BI	209	(G,G)	AD	1.1+ 7		ANL	EXPT	PR/C	9	1153	74	JACKSON+ PHOTON SCAT.	
083	BI	209	(G,G)	CS	5.6+ 6		ISL	EXPT	NP/A	218	95	74	TENENBAUM+ SCATT.SIGMA TBL	+
083	BI	209	(G,G)	YD	7.2+ 6		ITY	EXPT	NP/A	101	145	67	GIANNINI+ LEVEL WIDTH	
083	BI	209	(G,G)	YD	6.4+ 6	7.9+ 6	ISL	EXPT	NP/A	227	373	74	WOLF+ RES. PARAM.	
083	BI	209	(G,G)	YD	6.6+ 6	9.7+ 6	AUI	EXPT	PR/C	15	1977	77	COOPE+ LEVEL PARAM.	
083	BI	209	(G,INELASTIC)	YD	7.6+ 6		ITY	EXPT	NP/A	132	512	69	CESAREO+ RESONANT FLUORESC.	
083	BI	209	(G,INELASTIC)	YD	5.6+ 6		USA	EXPT	NP/A	201	570	73	MECCA+ GAMMA WIDTH	
083	BI	209	(G,N)	AD	2.2+ 7		SAS	EXPT	CJP	39	1158	61	BAKER+ ANGL.DIFF.SIGMA	+
083	BI	209	(G,N)	AD	NDG		ITY	EVAL	NP	31	53	62	BORELLO+ FORWARD ASYMMETRY	
083	BI	209	(G,N)	AD	5.5+ 7		USA	EXPT	NP	30	201	62	REINHARDT+ ANGL.DIST.OF NEUTRON	
083	BI	209	(G,N)	AD	NDG		GER	THEO	ZP	179	256	64	HEISS DIFF.SIGMA	+
083	BI	209	(G,N)	AD	2.0+ 7		CCP	EXPT	SNP	8	251	69	LEPESTKIN ASYMMETRY OF ANGL.DIST.	
083	BI	209	(G,N)	AD	2.9+ 7		CCP	EXPT	SNP	11	149	70	LAZAREVA+ ASYMMETRY OF ANGL.DIST.	
083	BI	209	(G,N)	AD		2.9+ 7	CCP	EXPT	SNP	20	128	75	LAZAREVA+ NEUT.SPECT. CURVE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
083	BI	209	(G,N)	AD	7. + 6	1.1+ 7		EXPT	ZP/A	309	319	83	BARKMAN+ ANG.DIST.COEF TBL	
083	BI	209	(G,N)	CS	7. + 6	1.0+ 7	NBS	EXPT	NP	33	431	62	FULLER+ SIGMA CURVE	+
083	BI	209	(G,N)	CS		2.2+ 7	SAC	EXPT	NP	32	236	62	MILLER+ INTEGRAT.SIGMA VALUE	+
083	BI	209	(G,N)	CS	8. + 6	2.6+ 7	LRL	EXPT	PR	136	B126	64	HARVEY+ SIGMA CURVE	+
083	BI	209	(G,N)	CS	7.7+ 6	1.1+ 7	USA	EXPT	NP/A	91	365	67	HURST+ SIGMA VALUE	+
083	BI	209	(G,N)	CS	8. + 6	1.3+ 7	NEG	EXPT	PR/C	33	1793	86	KAHANE SIGMA CURVE	+
083	BI	209	(G,N)	ED	1.4+ 7	1.6+ 7	MIT	EXPT	PR	110	790	58	BERTOZZI+ NEUT.SPECTRA	
083	BI	209	(G,N)	ED	3.1+ 7		CCP	EXPT	SNP	21	129	75	EVSEEV+ NEUTRON SPECT.MEASURED	
083	BI	209	(G,N)	ED		2.9+ 7	CCP	EXPT	SNP	20	128	75	LAZAREVA+ NEUT.SPECT. CURVE	+
083	BI	209	(G,N)	ED	6.7+ 6	9.4+ 6		EXPT	ZP/A	289	325	79	BARKMAN+ Q-VALUE OF PHOTONEUT.	
083	BI	209	(G,N)	ED	2.9+ 7		CCP	EXPT	SNP	42	507	85	LEPESTKIN+ ENERGY DIST. CURVE	+
083	BI	209	(G,N)	YD	7. + 6	1.1+ 7	NEG	EXPT	PR/C	34	2055	86	BIRENBAUM+ YIELD CURVE	
083	BI	209	(G,P)	DD	1.7+ 7	2.3+ 7	TOH	EXPT	NP/A	371	93	81	UEGAKI+ DIFF.SIGMA CURVE	+
083	BI	209	(G,SCATTERING)	AD	1.4+ 5		IND	EXPT	NIM	131	163	75	ROY+ COHERENT SCATT.SIGMA CURVE	+
083	BI	209	(G,SCATTERING)	AD	8.5+ 6	1.1+ 7	ILL	EXPT	PR/C	27	559	83	RULLHUSEN+ DIF.SIGMA TBL	+
083	BI	209	(G,SCATTERING)	CS	3.0+ 5	1.3+ 6	IND	THEO	NSE	85	426	83	UMESH+ INCOHERENT SCTT.SIGMA TBL	+
083	BI	209	(G,SCATTERING)	XX	NDG		MIT	EXPT	PR/C	8	1065	73	HAYWARD+ RES. FLUORESCENCE	
083	BI	209	(G,T)	CS	9.0+ 7		NBS	EXPT	NP/A	157	49	70	CURRIE+ INTEGRAT.SIGMA VALUE	+
083	BI	209	(G,X)	CS	5.5+ 7	8.5+ 7	MRY	THEO	PR/C	16	1812	77	WU+ PRE-EQUILIBRIUM ANALYSES	
083	BI	209	(G,X)	XX	4. + 6	2.8+ 7	CAN	EVAL	CJP	59	914	81	SHERMAN+ COULOMB CORRECTION	
083	BI	209	(G,XN)	CS	2.5+ 8		UI	EXPT	PR	132	431	63	YAVIN+ SIGMA VALUE	+
083	BI	209	(G,XN)	CS	8. + 6	2.6+ 7	LRL	EXPT	PR	136	B126	64	HARVEY+ SIGMA CURVE	+
083	BI	209	(G,XN)	CS	1.6+ 7	2.4+ 7	AUL	EXPT	NP/A	196	89	72	THOMAS+ SIGMA CURVE	+
083	BI	209	(G,2N)	CS	1.1+ 7	2.6+ 7	LRL	EXPT	PR	136	B126	64	HARVEY+ SIGMA CURVE	+
083	BI	209	(E,ELASTIC)	AD	3.0+ 8		CCP	THEO	SNP	4	41	67	PETKOV+ DIFF.SIGMA CURVE	+
083	BI	209	(E,ELASTIC)	AD	2.0+ 8	3.0+ 8	USA	THEO	PR/C	9	2033	74	PREWITT+ DIFF.SIGMA CURVE	+
083	BI	209	(E,EP)	AD	1.8+ 7	2.1+ 7	TOH	EXPT	PR/C	3	1999	71	SHODA+ DIFF.SIGMA CURVE	+
083	BI	209	(E,F)	CS	2.5+ 8	5.0+ 8	LRL	EXPT	PR	168	1396	68	BOWMAN+ FISSION SIGMA TBL	+
083	BI	209	(E,F)	CS	6.0+ 7	1.0+ 9	LRL	EXPT	PR	179	1176	69	MORETTO+ SIGMA TBL	+
083	BI	209	(E,F)	CS	4.3+ 7	2.5+ 8	TOH	EXPT	PR/C	34	935	86	ARRUDA-NETO+ SIGMA CURVE	+
083	BI	209	(E,F)	CS	3.5+ 7	2.5+ 8	TOH	EXPT	PR/C	41	354	90	ARRUDA-NETO+ SIGMA CURVE	+
083	BI	209	(E,F)	YD	1.1+ 8			EXPT	NP/A	326	108	79	MCGEORGE+ MASS DIST.,KINETIC EN	
083	BI	209	(E,INELASTIC)	DD	2.0+ 8		SPN	THEO	PR/C	43	1937	91	NIEVES+ PIONIC ATOM PRODUCTION	
083	BI	209	(E,INELASTIC)	XX	NDG		USA	THEO	PR	129	1689	63	ONLEY+ FORM FACTOR	
083	BI	209	(E,INELASTIC)	XX	1.8+ 8	6.0+ 8	STF	EXPT	PR	130	245	63	KENDALL+ FORM FACTOR	
083	BI	209	(E,INELASTIC)	XX	2.8+ 7	7.3+ 7	YAL	EVAL	PR	165	1337	68	ZIEGLER+ SIGMA RATIO CURVE	
083	BI	209	(E,P)	DD	1.7+ 7	2.3+ 7	TOH	EXPT	NP/A	371	93	81	UEGAKI+ DIFF.SIGMA CURVE	+
083	BI	209	(E,SCATTERING)	AD	1.8+ 8		STF	EXPT	PR	123	923	61	CRANNELL+ NUCL.LEVEL	
083	BI	209	(E,SCATTERING)	AD	1.8+ 8		STF	EXPT	PR	121	283	61	CRANNELL+ DIFF.SIGMA CURVE	+
083	BI	209	(E,SCATTERING)	AD	3.0+ 8		UI	THEO	PR	132	414	63	HERMAN+ DIFF.SIGMA CURVE	+
083	BI	209	(E,SCATTERING)	AD	1.5+ 8	3.0+ 8	FR	EXPT	PR	143	899	66	BROWMAN+ DIFF.SIGMA TBL	+
083	BI	209	(E,SCATTERING)	AD	4.0+ 7	6.0+ 7	NED	EXPT	NP/A	131	574	69	VAN NIFTRIK DIFF.SIGMA TABLE	+
083	BI	209	(E,SCATTERING)	CS	3.0+ 8		USA	THEO	PR/C	11	829	75	MURPHY+ DIFF. SIGMA CURVE	+
083	BI	209	(E,SCATTERING)	DD	NDG		MIT	THEO	PR/C	7	795	73	KLAWANSKY+ SIGMA CURVE	+
083	BI	209	(N,G)	CS	1.4+ 7		HUN	EXPT	NP/A	95	229	67	CSIKAI+ SIGMA TABLE	+
083	BI	209	(N,G)	CS	9. + 5	8.3+ 6	SWD	EXPT	NP/A	120	161	68	BERGQVIST+ SIGMA PLOT	+
083	BI	209	(N,G)	CS	1.4+ 7		YUG	EXPT	NP/A	213	525	73	POTOKAR+ INTEGRAT.SIGMA VALUE	+
083	BI	209	(N,G)	CS	2.6+ 3	9.0+ 4	ORL	EXPT	PR/C	14	1389	76	MACKLIN+ LEVEL PARAM.	
083	BI	209	(N,G)	CS	1.4+ 7		YUG	COMP	ZP/A	332	163	89	CVELBAR+ ACTIV.&INTEG. SIGMA	+
083	BI	209	(N,G)	CS	1.4+ 7		CSR	THEO	ZP/A	332	163	89	CVELBAR+ INTERGAT.SIGMA	+
083	BI	209	(N,G)	YD	1.8+ 7	2.2+ 7	SWD	EXPT	NP/A	512	399	90	HAKANSSON+ ISOVECT.QUADRUPOLE RES.	

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

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
084 PO 210	(N,G	) CS	2.5- 2		ORL	EVAL	NSE	15	217	63	HALPERIN+ EFF.CAPT.SIGMA	+

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

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
089 AC 227	(G,F	) YD	7. + 6	1.6+ 7	IFP	EXPT	SNP	27	163	78	ZHUCHKO+ PHOTOFISS. CS	+
089 AC 227	(N,G	) CS	2.5- 2		USA	EXPT	PR	102	1140	56	KIRBY+ SIGMA VALUE	+

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
090 TH 000	(G,F	) YD	1.6+ 7		GER	EXPT	ZP	153	257	58	FAISSNER+ ANGL.DISTRIBUT.	
090 TH 000	(G,INELASTIC	) CS	1.2+ 7	3.0+ 7	FR	EXPT	NP/A	54	114	64	LANGEVIN+ SIGMA & SPECTRUM	+
090 TH 000	(G,N	) ED	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	) YD	2.0+ 1	2.2+ 2	USA	EXPT	PR	140	B50	65	HADDAD+ RESONANCE PARAM.	
090 TH 000	(N,G	) YD	1.5+ 1	1. + 3	HAR	EXPT	NP/A	76	196	66	ASGHAR+ RESONANCE PARANETER	
090 TH 230	(N,G	) CS	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	) AD	6.4+ 6			EXPT	YF	30	634	79	ZHUCHKO+ FRAG.ANG.DIST.	
090 TH 232	(G,F	) CS	8. + 6	1.1+ 7	ANL	EXPT	PR	104	425	56	GINDLER+ SIGMA TBL/CURVE	+
090 TH 232	(G,F	) CS	1.5+ 8	5.0+ 8	LRL	EXPT	PR	106	585	57	JUNGERMAN PHOTOFISSION	+
090 TH 232	(G,F	) CS	6.1+ 6	7.0+ 6	ANL	EXPT	NP	34	439	62	HUIZENGA+ SIGMA TBL	+
090 TH 232	(G,F	) CS	3.0+ 8	1.0+ 9	ITY	EXPT	NP/A	73	385	65	CARBONARA+ SIGMA CURVE	+
090 TH 232	(G,F	) CS	2.0+ 8	9.0+ 8	SWD	EXPT	NP/A	158	433	70	METHASIRI SIGMA CURVE	+
090 TH 232	(G,F	) CS	1.0+ 8	5. +12	CCP	EXPT	SNP	14	37	72	VARTAPETYAN+ SIGMA TBL & CURVE	+
090 TH 232	(G,F	) CS	5.0+ 6	8.3+ 6	CRC	EXPT	NP/A	179	333	72	KHAN+ SIGMA PLOT	+
090 TH 232	(G,F	) CS	5.4+ 6	9.0+ 6	BZL	EXPT	NP/A	186	110	72	MAFRA+ SIGMA CURVE & TABLE	+
090 TH 232	(G,F	) CS	5.0+ 6	8.0+ 6	USA	EXPT	NP/A	206	593	73	YESTER+ SIGMA PLOT & TABLE	+
090 TH 232	(G,F	) CS	6. + 6	2.5+ 7	SAC	EXPT	NP/A	199	45	73	VEYSSIERE+ INTEGRAT.SIGMA	+
090 TH 232	(G,F	) CS	6.1+ 6	1.1+ 7	BRL	EXPT	NP/A	236	1	74	MAFRA+ SIGMA TABLE	+
090 TH 232	(G,F	) CS	5.0+ 6	1.8+ 7		EXPT	PR/C	21	1215	80	CALDWELL+ FISS.NEUTRON ENERGY	
090 TH 232	(G,F	) CS	3. + 6	6. + 6	FEI	THEO	PR/C	24	529	81	OSTAPENKO+ SIGMA CURVE	+
090 TH 232	(G,F	) CS	5.0+ 6	8.0+ 6		EXPT	PL/B	116	315	82	KNOWLES+	
090 TH 232	(G,F	) CS	2.0+ 7	3.2+ 7	USP	EXPT	PR/C	29	2399	84	ARRUDA-NETO+ SIGMA CURV	
090 TH 232	(G,F	) CS	6. + 6	6. + 6	NYU	EXPT	PRL	53	34	84	ZHANG+ RES.WIDTH TBL	
090 TH 232	(G,F	) CS	5.8+ 6	1.2+ 7	BLN	EXPT	PR/C	34	1397	86	ZHANG+ SIGMA CURVE	+
090 TH 232	(G,F	) CS	5.5+ 6	7. + 6	UK	EXPT	NP/A	458	217	86	FINDLAY+ SIGMA CURVE	+
090 TH 232	(G,F	) CS	2.0+ 7	1.4+ 8	BLG	EXPT	ZP/A	329	451	88	RYCKBOSCH+ PHOTOFISS.SIGMA	+
090 TH 232	(G,F	) CS	NDG		USA	EXPT	NSE	104	46	90	WILLIAMSON+ CD,FE N-CAPT.G-SOURCE	+
090 TH 232	(G,F	) CS	69 +7		ITY	EXPT	PR/C	44	354	91	MARTINS+ SIGMA TABLE	+
090 TH 232	(G,F	) CS	5.2+ 7		ITY	EXPT	PR/C	44	1683	91	TAVARES+ SIGMA VALUE ANALYSED	+
090 TH 232	(G,F	) ED		6.0+ 8	SWD	EXPT	ZP/A	282	333	77	ARESKOUG+ DISTRIBUT. OF KINETIC E	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
090	TH	232	(G,F	) XX	2.0+ 7		USA	EXPT	PR	134	B824	64	WALTON+ DELAYED GAMMA	
090	TH	232	(G,F	) XX		2.5+ 8	CCP	EXPT	SNP	5	165	67	ANTUF'EV+ KINETIC ENERGY OF FRAG.	
090	TH	232	(G,F	) XX	8. + 6	1.3+ 7	LRL	EXPT	NSE	56	179	75	CALDWELL+ FISS.NEUTRON MULTIPLICIT	
090	TH	232	(G,F	) YD		1.4+ 7	MIT	EXPT	PR	103	990	56	WINHOLD+ ANISOTROPIC PHOTOFISS.	
090	TH	232	(G,F	) YD	4.5+ 6	1.0+ 7	UI	EXPT	PR	105	1277	57	SCHMITT+ ACTIVATION FUNCTION	
090	TH	232	(G,F	) YD	1.2+ 7	2.0+ 7	BZL	EXPT	PR	126	1098	62	MOSCATI+ DELAYED NEUT.YIELD	
090	TH	232	(G,F	) YD		2.3+ 7	HAR	EXPT	NP	44	588	63	CUNINGHAME+ FRAGMENT YIELD	
090	TH	232	(G,F	) YD	NDG		MIT	EXPT	PR	137	B89	65	SARGENT+ PROMPT NEUTRON	
090	TH	232	(G,F	) YD		6.5+ 6	SWD	EXPT	NP/A	70	209	65	ALBERTSSON+ ANGL.DIST. OF FRAGMENT	+
090	TH	232	(G,F	) YD	3.0+ 8	1.1+ 9	SWD	EXPT	NP/A	143	449	70	SCHRODER+ MASS YIELD	
090	TH	232	(G,F	) YD	9. + 6	3.8+ 7	NMX	EXPT	PR/C	16	2296	77	HOGAN+ YIELD CURVES	
090	TH	232	(G,F	) YD	4.4+ 6	7.0+ 6	CCP	EXPT	SNP	28	602	78	ZHUCHKO+ YIELD CURVE	
090	TH	232	(G,F	) YD	3.5+ 6	4.6+ 6	CCP	EXPT	SNP	28	611	78	ZHUCHKO+ PHOTOFISS. YIELDS	
090	TH	232	(G,F	) YD	5.5+ 6	1.8+ 7	LRL	EXPT	NSE	73	153	80	CALDWELL+ MULTIPLICITY	
090	TH	232	(G,F	) YD	1.0+ 7	1.2+ 7	GER	EXPT	ZP/A	308	63	82	RATZEK+ UNPOLAR/POLAR PHOTON	
090	TH	232	(G,F	) YD	3.3+ 6	4.8+ 6	CCP	EXPT	JEL	37	666	83	OSTAPENKO+ FISS.YIELD CURV	
090	TH	232	(G,F	) YD	1.1+ 7	2.7+ 7	USA	EXPT	PR/C	44	1118	91	SMITH+ INDEPENDENT YIELD	
090	TH	232	(G,G	) AD	1.1+ 7		ANL	EXPT	PR/C	9	1153	74	JACKSON+ PHOTON SCAT.	
090	TH	232	(G,G	) CS	7.9+ 6	1.1+ 7	ISL	EXPT	NP/A	229	417	74	BAR-NOY+ SIGMA & GDR PARAM.	+
090	TH	232	(G,INELASTIC	) YD		4.1+ 6	ZZZ	EXPT	NP/A	506	223	90	HEIL+ PARITY ASIGNMENT	
090	TH	232	(G,N	)	5.0+ 6	1.1+ 7	VIR	EXPT	ARI	38	561	87	VARHUE+	
090	TH	232	(G,N	) CS	8. + 6	1.1+ 7	ANL	EXPT	PR	104	425	56	GINDLER+ SIGMA TBL/CURVE	+
090	TH	232	(G,N	) CS		2.3+ 7	CAN	EXPT	CJP	35	470	57	KATZ+ SIGMA CURVE	+
090	TH	232	(G,N	) CS	5.4+ 6	9.0+ 6	BZL	EXPT	NP/A	186	110	72	MAFRA+ SIGMA CURVE & TABLE	+
090	TH	232	(G,N	) CS	6. + 6	2.5+ 7	SAC	EXPT	NP/A	199	45	73	VEYSSIERE+ INTEGRAT.SIGMA	+
090	TH	232	(G,N	) CS	6.1+ 6	1.1+ 7	BRL	EXPT	NP/A	236	1	74	MAFRA+ SIGMA TABLE	+
090	TH	232	(G,N EMISSION)	CS	5.0+ 6	1.8+ 7		EXPT	PR/C	21	1215	80	CALDWELL+ (G,N)+(G,2N)+(G,F)	
090	TH	232	(G,SCATTERING)	AD	8.5+ 6	1.1+ 7	ILL	EXPT	PR/C	27	559	83	RULLHUSEN+ DIF.SIGMA TBL	+
090	TH	232	(G,X	) YD	1.8+ 7	2.8+ 7	CCP	EXPT	SNP	44	184	86	GANGRSKII+ NE-24 YIELD	
090	TH	232	(G,XN	) CS		4.5+ 7		EXPT	NP/A	350	1	80	GUENTHER+ ISOMERIC FISS. SIGMA	
090	TH	232	(G,XN	) YD		5.5+ 7	GER	EXPT	PR/C	12	1834	75	JUNGCLAS+ RECIOL PROPERTIES	
090	TH	232	(G,2N	) CS	6. + 6	2.5+ 7	SAC	EXPT	NP/A	199	45	73	VEYSSIERE+ INTEGRAT.SIGMA	+
090	TH	232	(E,F	)	5.6+ 6	3.2+ 7	USP	EXPT	PS	35	427	87	ARRUDA-NETO+	
090	TH	232	(E,F	) AD	5.5+ 6	7.0+ 6		EXPT	PR/C	25	1689	82	ARRUDA-NETO+	
090	TH	232	(E,F	) CS	7. + 6	6.5+ 7		EXPT	ZP/A	292	285	79	ASCHENBACH+ FRAG.ANG.DIST.ANISO	
090	TH	232	(E,F	) CS	1.0+ 8	2.8+ 8	CCP	EXPT	SNP	34	797	81	VORONIN+ SIGMA CURVE	+
090	TH	232	(E,F	) YD	8.7+ 6	3.0+ 7	GER	EXPT	NP/A	219	397	74	RASCH+ FRAGMENT YIELD	
090	TH	232	(E,F	) YD	1.1+ 8			EXPT	NP/A	326	108	79	MCGEORGE+ MASS DIST.,KINETIC EN	
090	TH	232	(E,F	) YD	6. + 6	1.0+ 7	CCP	EXPT	SNP	48	414	88	RUDNIKOV+ ANGULAR ANISOTROPY	
090	TH	232	(E,INELASTIC	) CS	3.5+ 7	1.1+ 8	MIT	EXPT	PR/C	13	1083	76	COOPER+ SIGMA	+
090	TH	232	(E,SCATTERING)	AD	2.0+ 8		GER	THEO	NP/A	78	465	66	DRECHSEL DIFF.SIGMA CURVE	+
090	TH	232	(N,G	) CS	3.0+ 4	4.0+ 6	LRL	EXPT	PR	128	2717	62	MISKEL+ SIGMA TBL	+
090	TH	232	(N,G	) CS	2.4+ 4		IND	EXPT	NP/A	66	267	65	CHAUBEY+ ACTIVATION SIGMA VALUE	+
090	TH	232	(N,G	) CS	PILE		USA	EXPT	NSE	22	121	65	HARDY RES.INTEGRAL	+
090	TH	232	(N,G	) CS	2.6+ 3	8.0+ 5	ORL	EXPT	NSE	64	849	77	MACKLIN+ SIGMA CURVE & RES.PARAM.	+
090	TH	232	(N,G	) CS	2.5- 2	2.4+ 4	BNL	EXPT	NSE	72	202	79	CHRIEN+ SIGMA TABLE	+
090	TH	232	(N,G	) CS	6.2- 3	1.9+ 1	RPI	EXPT	NSE	79	175	81	LITTLE+ SIGMA TABLE	+
090	TH	232	(N,G	) CS	2.5- 2		CRL	EXPT	NSE	93	171	86	JONES+ SIGMA VALUE	+
090	TH	232	(N,G	) YD	2.2+ 1	6.9+ 1	BNL	EXPT	PR	155	1362	67	BHAT+ RESONANCE PARAM.	
090	TH	232	(N,G	) YD	2.5- 2		RIS	EXPT	PR/C	6	266	72	EGIDY+ TH-233 LEVEL	
090	TH	232	(N,G	) YD		4.0+ 3	COL	EXPT	PR/C	6	1854	72	RAHN+ RES. PARAM.	

ELEMENT Z S A	QUANTITY	ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
090 TH 232	(N,G) YD	2.5- 2		SWT	EXPT	PR/C	10	1554	74	KERN+ GAMMA TRANSITION	
090 TH 232	(N,G) YD	1.0+ 2	4.0+ 3	ORL	EXPT	NSE	80	189	82	PEREZ+ CAPTURE YIELD	
090 TH 232	(P,G) CS	7. + 6	2.0+ 7	POL	EVAL	ZP/A	324	439	86	SZERYPO+ CALCUL.EXCITATION CURVE	+
090 TH 232	(P,G) CS	7. + 6	2.0+ 7	POL	EXPT	ZP/A	323	97	86	SZERYPO+ EXCITATION CURVE	+
090 TH 234	(G,F) AD		5.7+ 6		EXPT	YF	32	335	80	LINDGREN+ INTEGRATED YIELD	
090 TH 235	(G,F) ED		2.0+ 7		EXPT	PR/C	21	963	80	D'HONDT+ FISS. ALPHA SPECT.	
090 TH 235	(G,F) XX		7.0+ 7		EXPT	PR/C	21	237	80	JACOBS+ MASS DIST.	

ELEMENT Z S A	QUANTITY	ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
091 PA 231	(G,F)	4.8+ 6	7.0+ 7	SAC	EXPT	SNP	46	389	87	SOLDATOV+	+
091 PA 231	(N,G) CS	PILE		USA	EXPT	PR	101	1053	56	SMITH+ SIGMA VALUE	+
091 PA 232	(N,G) CS	PILE		USA	EXPT	PR	101	1053	56	SMITH+ SIGMA VALUE	+
091 PA 233	(N,G) CS	PILE		ORL	EXPT	NSE	1	1	56	HALPERIN+ EFFECTIVE CAPT.SIGMA	+
091 PA 233	(N,G) CS	2.5- 2		CAN	EXPT	CJP	38	751	60	EASTWOOD+ CAPT.SIGMA & RES.INTEGL	+
091 PA 233	(N,G) CS	PILE		USA	EXPT	NSE	29	408	67	CONMOR+ RES.INTEGRAL	+
091 PA 237	(G,F) CS	NDG		USA	EXPT	NSE	104	46	90	WILLIAMSON+ CD,FE N-CAPT.G-SOURCE	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
092	U	000	(G,ABSORPTION)	CS	2.4+ 8	3.3+ 8	SAC	EXPT	NP/A	431	573	84	CARLOS+ 2PT./SIGMA PLOT	
092	U	000	(G,E)	AD	1.1+ 6		USA	EXPT	NP	22	306	61	HULTBERG+ DIFF.SIGMA CURVE	+
092	U	000	(G,ELASTIC)	AD	1.3+ 6		USA	EXPT	PR/C	3	1287	71	HARGIE+ DIFF.SIGMA CURVE	+
092	U	000	(G,ELASTIC)	AD	1. + 5	1.5+ 6		EXPT	JP/G	6	1237	80	MUECKENHEIM+ RADIOACT. SOURCE	
092	U	000	(G,ELASTIC)	CS	2.5+ 6	3.5+ 6		EXPT	PL/B	92	71	80	MUECKENHEIM+ RADIOACT. SOURCE	
092	U	000	(G,F)	AD	6.1+ 6	2.0+ 7	SWD	EXPT	NP	20	136	60	FORKMAN+ DIFF.SIGMA CURVE	+
092	U	000	(G,F)	CS	1. + 9	7.4+ 9	SWD	EXPT	NP/A	197	44	72	ANDERSSON+ SIGMA PLOT	+
092	U	000	(G,F)	CS	5.8+ 8		CAN	EXPT	ZP/A	279	331	76	KIELY+ FISSION SIGMA VALUE	+
092	U	000	(G,F)	CS	1.0+ 8	3.0+ 8	FRA	EXPT	PR/C	39	911	89	LUCHERINI+ SIGMA CURVE	+
092	U	000	(G,F)	YD	6. + 9		SWD	EVAL	NP/A	197	88	72	SCHRODER MASS YIELD	
092	U	000	(G,G)		3.4+ 5	1.4+ 6	AUL	EXPT	NIM	A255	68	87	TAYLOR+	+
092	U	000	(G,G)	AD	1.3+ 6		USA	EXPT	PR/C	1	714	70	HARDIE+ DIFF.SIGMA TBL	+
092	U	000	(G,G)	CS	1. + 6	4. + 6	GOE	EXPT	PR/C	33	1606	86	KASTEN+ DELBRUICK&RAYLEIGH SCATT.	
092	U	000	(G,PION +)	AD	5.5+ 8		STF	EXPT	PR	105	1840	57	WILLIAMS+ Z-DEPEND.OF PION PRODUCT	+
092	U	000	(G,SCATTERING)	AD	1.7+ 7		GER	EXPT	ZP	170	47	62	STIERLIN+ DIFF.SIGMA	+
092	U	000	(G,TOTAL)	CS	3.0+ 4	1.8+ 7	IND	EVAL	NSE	51	337	73	RAMANA+ SIGMA CURVE	+
092	U	000	(G,TOTAL)	CS	2. + 4	2. + 6	IND	THEO	NSE	96	330	87	SUBBAIAH+ TOT.PHOTO SIGMA CURVE	+
092	U	000	(G,X)	CS	1. + 3	6.0+ 5	LRL	THEO	NSE	40	487	70	ATWATER TOT.PHOTON SIGMA	+
092	U	000	(G,XN)	CS	2.5+ 7	1.4+ 8	SAC	EXPT	NP/A	367	237	81	LEPRETRE+ SIGMA CURV.&INTEG.SIGMA	+
092	U	000	(E,ABSORPTION)	XX	3.4+ 6	1.9+ 7	UI	EXPT	PR	115	633	59	HALL+ ENERGY LOSS	
092	U	000	(E,F)	XX	3.5+ 7	2.6+ 8	CCP	EXPT	SNP	5	377	67	RANYUK+ PHTOFISS./ELECTRFISS.SIGMA	
092	U	000	(E,G)	ED	3.0+ 7	1.2+ 8	UK	THEO	NIM	111	157	73	MATTHEWS+ BREMSST.SPECT.CURVE	+
092	U	000	(E,N)	YD	4.0+ 7	1.0+ 8	GEA	EXPT	PR	104	1652	56	BALDWIN+ NEUTRON PRODUCT.	
092	U	000	(E,N)	YD	1.0+ 7	3.6+ 7	STF	EXPT	PR	116	1551	59	BARBER+ NEUTRON YIELD	+
092	U	000	(E,X)	CS	1.0+ 7	2.0+ 7	MRC	EXPT	PR/C	38	651	88	SHERMAN+ ELECTRON PAIR CREA.SIGMA	+
092	U	232	(G,F)	XX	8. + 6	1.3+ 7	LRL	EXPT	NSE	56	179	75	CALDWELL+ FISS.NEUTRON MULTIPLICIT	
092	U	233	(G,F)	CS	6.1+ 6	7.0+ 6	ANL	EXPT	NP	34	439	62	HUIZENGA+ SIGMA TBL	+
092	U	233	(G,F)	CS		1.8+ 7	GWU	EXPT	PR/C	34	2201	86	BERMAN+ SIGMA CURVE	+
092	U	233	(G,F)	YD	4.4+ 6	7.0+ 6	CCP	EXPT	SNP	28	602	78	ZHUCHKO+ YIELD CURVE	
092	U	233	(G,N)	CS		2.3+ 7	CAN	EXPT	CJP	35	470	57	KATZ+ SIGMA CURVE	+
092	U	233	(E,F)	CS	1.0+ 8	2.8+ 8	CCP	EXPT	SNP	34	797	81	VORONIN+ SIGMA CURVE	+
092	U	233	(E,F)	CS	9.1+ 7	2.3+ 8		EXPT	UFZ	10	1456	82	LIFACHEV+	
092	U	233	(E,F)	CS	1.5+ 8	5.5+ 8	LND	EXPT	PR/C	41	1619	90	HANSEN+ SIGMA CURVE	+
092	U	233	(E,F)	CS	1.5+ 8	5.5+ 8	SWD	EXPT	PR/C	41	1619	90	HANSEN+ SIGMA VS. ENERG.TRANS CRV	
092	U	233	(N,G)	CS	PILE		USA	EXPT	NSE	3	758	58	GAERTTNER+ SIGMA VALUE	+
092	U	233	(N,G)	CS	4. - 1	2.0+ 3	ORL	EXPT	NSE	34	1	68	WESTON+ SIGMA & RES.INTEGRAL	+
092	U	233	(N,G)	CS	5.5+ 5	2.2+ 6	ANL	EXPT	NP/A	148	337	70	ELWYN+ ISOMER FORMATION SIGMA	+
092	U	233	(N,G)	CS	NDG		USA	EXPT	NSE	44	180	71	EILAND+ RES.INTEGRAL	+
092	U	234	(G,F)	CS	6.1+ 6	7.0+ 6	ANL	EXPT	NP	34	439	62	HUIZENGA+ SIGMA TBL	+
092	U	234	(G,F)	CS		1.8+ 7	GWU	EXPT	PR/C	34	2201	86	BERMAN+ SIGMA CURVE	+
092	U	234	(G,F)	XX	8. + 6	1.3+ 7	LRL	EXPT	NSE	56	179	75	CALDWELL+ FISS.NEUTRON MULTIPLICIT	
092	U	234	(G,F)	YD	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) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
092	U	234	(E,F)	AD	5.5+ 6	2.5+ 7		EXPT	NP/A	389	378	82	ARRUDA-NETO+	
092	U	234	(E,F)	CS	5.5+ 6	2.5+ 7	USP	EXPT	PR/C	23	2595	81	ARRUDA-NETO+ SIGMA CURVE	+
092	U	234	(E,F)	YD	6. + 6	1.0+ 7	CCP	EXPT	SNP	48	414	88	RUDNIKOV+ ANGULAR ANISOTROPY	
092	U	234	(N,G)	CS	5.5+ 5	2.2+ 6	ANL	EXPT	NP/A	148	337	70	ELWYN+ ISOMER FORMATION SIGMA	+
092	U	234	(D,G)	CS	1.5+ 7	2.3+ 7	LRL	EXPT	NP/A	81	401	66	LESSLER+ SIGMA TABLE	+
092	U	235	(G,ABSORPTION)	CS	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+	+
092	U	235	(G,F)	AD	6. + 6	1.5+ 7	IFP	EXPT	SNP	27	746	78	ZHUCHKO+ ANG. DIST. OF FRAGM.	
092	U	235	(G,F)	CS	1.5+ 8	5.0+ 8	LRL	EXPT	PR	106	585	57	JUNGERMAN PHOTOFISSION	+
092	U	235	(G,F)	CS	6.1+ 6	7.0+ 6	ANL	EXPT	NP	34	439	62	HUIZENGA+ SIGMA TBL	+
092	U	235	(G,F)	CS	6. + 6	1.9+ 7	LRL	EXPT	PR	133	B676	64	BOWMAN+ SIGMA CURVE	+
092	U	235	(G,F)	CS	1.0+ 8	5. +12	CCP	EXPT	SNP	14	37	72	VARTAPETYAN+ SIGMA TBL & CURVE	+
092	U	235	(G,F)	CS	5.0+ 6	8.3+ 6	CRC	EXPT	NP/A	179	333	72	KHAN+ SIGMA PLOT	+
092	U	235	(G,F)	CS	5.0+ 6	8.0+ 6	USA	EXPT	NP/A	212	221	73	ANDERL+ SIGMA CURVE & TABLE	+
092	U	235	(G,F)	CS	5.0+ 6	1.8+ 7		EXPT	PR/C	21	1215	80	CALDWELL+ (G,N)+(G,2N)+(G,F)	
092	U	235	(G,F)	CS	1.2+ 7	3.0+ 7	GER	EXPT	PR/C	29	2346	84	STROEHER+ SIGMA CURV	
092	U	235	(G,F)	CS	4.0+ 7	1.1+ 8	GER	EXPT	PL/B	139	254	84	RIES+ SIGMA CURV	
092	U	235	(G,F)	CS	2.0+ 7	1.4+ 8	BLG	EXPT	ZP/A	329	451	88	RYCKBOSCH+ PHOTOFISS.SIGMA	+
092	U	235	(G,F)	CS	1.3+ 9	4.3+ 9	CCP	EXPT	SNP	49	780	89	ARAKELYAN+ SIGMA VALUE	+
092	U	235	(G,F)	CS	69 +7		ITY	EXPT	PR/C	44	354	91	MARTINS+ SIGMA TABLE	+
092	U	235	(G,F)	CS	5.2+ 7		ITY	EXPT	PR/C	44	1683	91	TAVARES+ SIGMA VALUE ANALYSED	+
092	U	235	(G,F)	XX	2.0+ 7		USA	EXPT	PR	134	B824	64	WALTON+ DELAYED GAMMA	
092	U	235	(G,F)	XX	8. + 6	1.3+ 7	LRL	EXPT	NSE	56	179	75	CALDWELL+ FISS.NEUTRON MULTIPLICIT	
092	U	235	(G,F)	YD		1.4+ 7	MIT	EXPT	PR	103	990	56	WINHOLD+ ANISOTROPIC PHOTOFISS.	
092	U	235	(G,F)	YD	2.4+ 7		CCP	EXPT	SNP	7	584	68	PETRZHAK+ MASS YIELD	
092	U	235	(G,F)	YD	2.5+ 7		BLG	EXPT	PR/C	14	1058	76	THIERENS+ FISSION YIELD	
092	U	235	(G,F)	YD	2.5+ 7		BLG	THEO	PR/C	14	1874	76	JACOBS+ FISS. NEUTRON YIELD	
092	U	235	(G,F)	YD	1.0+ 8	1.0+ 9	CCP	EXPT	SNP	28	600	78	ALEKSANDROV+ RELATIV.FISS.YIELDS	
092	U	235	(G,F)	YD	4.4+ 6	7.0+ 6	CCP	EXPT	SNP	28	602	78	ZHUCHKO+ YIELD CURVE	
092	U	235	(G,F)	YD	5.5+ 6	1.8+ 7	LRL	EXPT	NSE	73	153	80	CALDWELL+ MULTIPLICITY	
092	U	235	(G,F)	YD	1.2+ 7	7.0+ 7	BLG	EXPT	PR/C	24	1795	81	JACOBS+ FRAGMENT DIST.	
092	U	235	(G,F)	YD		3.0+ 7		EXPT	PR/C	25	1546	82	THIERENS+	
092	U	235	(G,F)	YD		3.0+ 7		EXPT	PR/C	26	1356	82	FRENNE+	
092	U	235	(G,F)	YD	1.2+ 7	3.0+ 7	GHT	EXPT	PR/C	29	1777	84	DE FRENNE+ ISOM. YIELD RATIO TBL	
092	U	235	(G,F)	YD	1.2+ 7	3.0+ 7	GHT	EXPT	PR/C	29	1909	84	DE FRENNE+ ISOT. YIELD DIST. TBL	
092	U	235	(G,F)	YD	2.0+ 7	6.0+ 7	JPN	EXPT	NSE	111	368	92	KASE+ YIELD CURVE	
092	U	235	(G,N)	CS	8.5+ 6	2.1+ 7	LRL	EXPT	PR	133	B676	64	BOWMAN+ SIGMA CURVE	+
092	U	235	(G,N EMISSION)	CS	5.0+ 6	1.8+ 7		EXPT	PR/C	21	1215	80	CALDWELL+ (G,N)+(G,2N)+(G,F)	
092	U	235	(G,X)	CS	5.5+ 7	8.5+ 7	MRY	THEO	PR/C	16	1812	77	WU+ PRE-EQUILIBRIUM ANALYSES	
092	U	235	(G,X)	CS	3. + 8	3.5+ 9	CCP	EXPT	SNP	52	878	90	ARAKELYAN+ HADRON PROD.SIGMA CURVE	+
092	U	235	(G,XN)	CS		4.5+ 7		EXPT	NP/A	350	1	80	GUENTHER+ ISOMERIC FISS. SIGMA	
092	U	235	(G,2N)	CS	1.1+ 7	2.1+ 7	LRL	EXPT	PR	133	B676	64	BOWMAN+ SIGMA CURVE	+
092	U	235	(E,F)	CS	1.0+ 8	2.8+ 8	CCP	EXPT	SNP	34	797	81	VORONIN+ SIGMA CURVE	+
092	U	235	(E,F)	CS	9.1+ 7	2.3+ 8		EXPT	UFZ	10	1456	82	LIFACHEV+	
092	U	235	(E,F)	CS	1.3+ 9	4.3+ 9	CCP	EXPT	SNP	49	780	89	ARAKELYAN+ SIGMA VALUE	+
092	U	235	(E,F)	CS	4. + 6	2.2+ 7	GER	EXPT	NP/A	510	1	90	WEBER+ SIGMA CURVE	+
092	U	235	(E,F)	YD	1.1+ 8			EXPT	NP/A	326	108	79	MCGEORGE+ MASS DIST.,KINETIC EN	
092	U	235	(E,X)	CS	50 5		CCP	THEO	SNP	53	23	91	ARUTYUYAN+ U-235M ISOMER SIGMA	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
092	U	235	(N,G	) CS	5. + 3	5.0+ 4	ORL	EXPT	PR	102	797	56	MACKLIN+ SIGMA CURVE	+
092	U	235	(N,G	) CS	0	3.4+ 1	USA	EVAL	NSE	4	155	58	KAVANAGH RES. ANALYSIS	+
092	U	235	(N,G	) CS	5.5+ 5	2.2+ 6	ANL	EXPT	NP/A	148	337	70	ELWYN+ ISOMER FORMATION SIGMA	+
092	U	235	(N,G	) CS	NDG		USA	EXPT	NSE	44	180	71	EILAND+ RES.INTEGRAL	+
092	U	235	(N,G	) CS	8. + 0	1.0+ 4	ORL	EXPT	NSE	52	46	73	PEREZ+ SIGMA CURVE & TABLE	+
092	U	235	(N,G	) CS	2. - 2	2.0+ 5	ORL	EXPT	NSE	59	79	76	GWIN+ SIGMA CURVE & TABLE	+
092	U	235	(N,G	) CS	1.0- 5	1.1+ 2	ORL	EVAL	NSE	103	109	89	DE SAUSSURE+ SIGMA PLOT & TABLE	+
092	U	235	(N,G	) CS		5.0+ 2	ANL	EVAL	NSE	109	1	91	LEAL+ R-MATRIX ANL., SIGMA CURVE	+
092	U	235	(N,G	) ED	5.2+ 0	4.9+ 1	BNL	EXPT	PR/C	16	588	77	KOENE+ (N,G) SPECTRA	
092	U	235	(N,G	) YD	6. + 0	4.0+ 1	BLG	EXPT	NP/A	134	535	69	WEIGMANN+ GAMMA YIELD	
092	U	235	(N,G	) YD		6.0+ 1	ORL	EXPT	PR/C	7	2018	73	SAUSSURE+ RESONANCE ANALYSIS	
092	U	235	(N,G	) YD	0. + 0	3.0+ 1	BNL	EXPT	PR/C	8	781	73	GRAVES+ U-236 LEVEL	
092	U	235	(N,G	) YD	1.5+ 0	5.8+ 1	ITY	EXPT	NP/A	203	145	73	CORVI+ GAMMA INTENSITY	
092	U	235	(N,G	) YD	1. - 1	1.5+ 1	BNL	EXPT	NP/A	218	84	74	REDDINGIUS+ U-236 RESONANCE STAT.	
092	U	236	(G,F	) CS	6.1+ 6	7.0+ 6	ANL	EXPT	NP	34	439	62	HUIZENGA+ SIGMA TBL	+
092	U	236	(G,F	) CS	5.0+ 6	8.0+ 6	USA	EXPT	NP/A	206	593	73	YESTER+ SIGMA PLOT & TABLE	+
092	U	236	(G,F	) CS	5.0+ 6	1.8+ 7		EXPT	PR/C	21	1215	80	CALDWELL+ (G,N)+(G,2N)+(G,F)	
092	U	236	(G,F	) XX	8. + 6	1.3+ 7	LRL	EXPT	NSE	56	179	75	CALDWELL+ FISS.NEUTRON MULTIPLICIT	
092	U	236	(G,F	) YD	4.4+ 6	7.0+ 6	CCP	EXPT	SNP	28	602	78	ZHUCHKO+ YIELD CURVE	
092	U	236	(G,F	) YD	3.5+ 6	4.6+ 6	CCP	EXPT	SNP	28	611	78	ZHUCHKO+ PHOTOFISS. YIELDS	
092	U	236	(G,F	) YD	5.5+ 6	1.8+ 7	LRL	EXPT	NSE	73	153	80	CALDWELL+ MULTIPLICITY	
092	U	236	(G,N EMISSION	) CS	5.0+ 6	1.8+ 7		EXPT	PR/C	21	1215	80	CALDWELL+ (G,N)+(G,2N)+(G,F)	
092	U	236	(E,F	) AD	5.5+ 6	3.3+ 7		EXPT	PR/C	22	1996	80	ARRUDA-NETO+ FRAG. ANG.DIST.	
092	U	236	(E,F	) CS	1.0+ 8	2.8+ 8	CCP	EXPT	SNP	34	797	81	VORONIN+ SIGMA CURVE	+
092	U	236	(E,F	) CS	9.1+ 7	2.3+ 8		EXPT	UFZ	10	1456	82	LIFACHEV+	
092	U	236	(E,F	) YD	6. + 6	1.0+ 7	CCP	EXPT	SNP	48	414	88	RUDNIKOV+ ANGULAR ANISOTROPY	
092	U	236	(N,G	) CS	5. + 2	2.0+ 4	USA	EXPT	NP/A	141	577	70	CARLSON+ AVERAG.SIGMA CURVE	+
092	U	236	(N,G	) ED	PILE		CCP	EXPT	SNP	24	460	76	GANGRSKII+ GAMMA SPECT.	
092	U	236	(N,G	) YD	2. + 3	2.4+ 4	BNL	EXPT	PR/C	24	1419	81	STELTS+ LEVEL DENSITY	
092	U	236	(D,G	) CS	1.7+ 7	2.3+ 7	LRL	EXPT	NP/A	81	401	66	LESSLER+ SIGMA TABLE	+
092	U	237	(N,G	) CS	PILE		USA	EXPT	NSE	31	149	68	CORNMAN+ SIGMA VALUE	+
092	U	238	(G,A	) CS		1.6+ 7		EXPT	JP/G	5	1307	79	LEES+ DECAY CURV,DECAY GAM-SPEC	
092	U	238	(G,ABSORPTION	) CS	69 +7		ITY	EXPT	PR/C	44	354	91	MARTINS+ SIGMA TABLE	+
092	U	238	(G,ELASTIC	) AD	4.3+ 6	4.8+ 6		EXPT	NP/A	346	418	80	SOHUMACHER+ N-CAPT GAM SOURCE	
092	U	238	(G,ELASTIC	) AD	2.8+ 6	9.7+ 6		EXPT	NP/A	382	79	82	RULLHUSEN+	
092	U	238	(G,F	)	2.0+ 7	1.1+ 8	SAC	EXPT	NP/A	472	533	87	LEPRETRE+	+
092	U	238	(G,F	)	4.8+ 6	6.4+ 6		EXPT	PR/C	36	1293	87	BIRENBAUM+	+
092	U	238	(G,F	)	5.0+ 6	1.1+ 7	VIR	EXPT	ARI	38	561	87	VARHUE+	
092	U	238	(G,F	) AD	5.2+ 6	6.4+ 6	LND	EXPT	ZP/A	285	415	78	LINDGREN+ YIELD CURVES	
092	U	238	(G,F	) CS	1.2+ 7	2.2+ 7	CAN	EXPT	PR	99	98	55	KAYZ+ SIGMA CURVE	+
092	U	238	(G,F	) CS	8. + 6	1.1+ 7	ANL	EXPT	PR	104	425	56	GINDLER+ SIGMA TBL/CURVE	+
092	U	238	(G,F	) CS	1.5+ 8	5.0+ 8	LRL	EXPT	PR	106	585	57	JUNGERMAN PHOTOFISSION	+

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
092	U	238	(G,F	) CS	6.1+ 6	7.0+ 6	ANL	EXPT	NP	34	439	62	HUIZENGA+ SIGMA TBL	+
092	U	238	(G,F	) CS	3.0+ 8	1.0+ 9	ITY	EXPT	NP/A	73	385	65	CARBONARA+ SIGMA CURVE	+
092	U	238	(G,F	) CS	5.9+ 6	6.6+ 6	SWD	EXPT	NP/A	64	420	65	KIVIKAS+ SIGMA CURVE	+
092	U	238	(G,F	) CS	5.0+ 6	9.0+ 6	ISL	EXPT	NP/A	61	17	65	LINDNER (G,N)/(G,F) SIGMA RATIO	
092	U	238	(G,F	) CS	4.0+ 6	6.0+ 6	CCP	THEO	SNP	9	700	69	VOROTNIKOV SIGMA CURVE	+
092	U	238	(G,F	) CS	5.4+ 6	9. + 6	ITY	EXPT	NP/A	123	664	69	MANFREDINI+ SIGMA CURVE	+
092	U	238	(G,F	) CS	2.0+ 8	9.0+ 8	SWD	EXPT	NP/A	158	433	70	METHASIRI SIGMA CURVE	+
092	U	238	(G,F	) CS	1.0+ 8	5. +12	CCP	EXPT	SNP	14	37	72	VARTAPETYAN+ SIGMA TBL & CURVE	+
092	U	238	(G,F	) CS	5.0+ 6	8.3+ 6	CRC	EXPT	NP/A	179	333	72	KHAN+ SIGMA PLOT	+
092	U	238	(G,F	) CS	5.4+ 6	9.0+ 6	BZL	EXPT	NP/A	186	110	72	MAFRA+ SIGMA CURVE & TABLE	+
092	U	238	(G,F	) CS	5.0+ 6	8.0+ 6	USA	EXPT	NIM	102	101	72	ANDERL+ RELATIV.SIGMA CURVE	+
092	U	238	(G,F	) CS	5.0+ 6	8.0+ 6	USA	EXPT	NP/A	212	221	73	ANDERL+ SIGMA CURVE & TABLE	+
092	U	238	(G,F	) CS	6. + 6	2.5+ 7	SAC	EXPT	NP/A	199	45	73	VEYSSIERE+ INTEGRAT.SIGMA	+
092	U	238	(G,F	) CS	6.1+ 6	1.1+ 7	BRL	EXPT	NP/A	236	1	74	MAFRA+ SIGMA TABLE	+
092	U	238	(G,F	) CS	2.8+ 6	5.8+ 6	NBS	EXPT	PR/C	12	863	75	BOWMAN+ SIGMA TABLE	+
092	U	238	(G,F	) CS	5.0+ 6	1.8+ 7		EXPT	PR/C	21	1215	80	CALDWELL+ (G,N)+(G,2N)+(G,F)	
092	U	238	(G,F	) CS	3. + 6	6. + 6	FEI	THEO	PR/C	24	529	81	OSTAPENKO+ SIGMA CURVE	+
092	U	238	(G,F	) CS	NDG		ITY	THEO	ZP/A	314	43	83	BELLIA+ SIGMA CURV	
092	U	238	(G,F	) CS	1.2+ 7	3.0+ 7	GER	EXPT	PR/C	29	2346	84	STROEHER+ SIGMA CURV	
092	U	238	(G,F	) CS	4.0+ 7	1.1+ 8	GER	EXPT	PL/B	139	254	84	RIES+ SIGMA CURV	
092	U	238	(G,F	) CS	2.0+ 7	1.4+ 8	BLG	EXPT	ZP/A	329	451	88	RYCKBOSCH+ PHOTOFISS.SIGMA	+
092	U	238	(G,F	) CS	1.3+ 9	4.3+ 9	CCP	EXPT	SNP	49	780	89	ARAKELYAN+ SIGMA VALUE	+
092	U	238	(G,F	) CS	1.1+ 7	1.6+ 7	JLU	EXPT	PR/C	42	2148	90	WILKE+ SIGMA CURVE	+
092	U	238	(G,F	) CS	NDG		USA	EXPT	NSE	104	46	90	WILLIAMSON+ CD,FE N-CAPT.G-SOURCE	+
092	U	238	(G,F	) CS	1.1+ 7	1.6+ 7	USA	EXPT	PR/C	42	2148	90	WILKE+ SIGMA CURVE	+
092	U	238	(G,F	) CS	69 +7		ITY	EXPT	PR/C	44	354	91	MARTINS+ SIGMA TABLE	+
092	U	238	(G,F	) CS	5.2+ 7		ITY	EXPT	PR/C	44	1683	91	TAVARES+ SIGMA VALUE ANALYSED	+
092	U	238	(G,F	) CS	6.0+ 7	2.4+ 8	CCP	EXPT	NP/A	539	263	92	ILJINOV+ SIGMA CURVE	+
092	U	238	(G,F	) ED		6.0+ 8	SWD	EXPT	ZP/A	282	333	77	ARESKOUG+ DISTRIBUT. OF KINETIC E	+
092	U	238	(G,F	) XX	2.0+ 7		USA	EXPT	PR	134	B824	64	WALTON+ DELAYED GAMMA	
092	U	238	(G,F	) XX		2.5+ 8	CCP	EXPT	SNP	5	165	67	ANTUF'EV+ KINETIC ENERGY OF FRAG.	
092	U	238	(G,F	) XX	8. + 6	1.3+ 7	LRL	EXPT	NSE	56	179	75	CALDWELL+ FISS.NEUTRON MULTIPLICIT	
092	U	238	(G,F	) YD		1.4+ 7	MIT	EXPT	PR	103	990	56	WINHOLD+ ANISOTROPIC PHOTOFISS.	
092	U	238	(G,F	) YD	4.5+ 6	1.0+ 7	UI	EXPT	PR	105	1277	57	SCHMITT+ ACTIVATION FUNCTION	
092	U	238	(G,F	) YD	1.2+ 7	2.0+ 7	BZL	EXPT	PR	126	1098	62	MOSCATI+ DELAYED NEUT.YIELD	
092	U	238	(G,F	) YD		2.3+ 7	HAR	EXPT	NP	44	588	63	CUNINGHAME+ FRAGMENT YIELD	
092	U	238	(G,F	) YD	3.3+ 7		AUL	EXPT	NP/A	72	167	65	HOGG FRAGMENT YIELD	
092	U	238	(G,F	) YD	1.8+ 7		USA	EXPT	PR	142	691	66	MEASON+ FISSION YIELD	
092	U	238	(G,F	) YD	4.5+ 6	6.5+ 6	CCP	EXPT	SNP	7	326	68	KURCHATOV+ ASYMMETRY OF FRAG.YIELD	
092	U	238	(G,F	) YD	2.5+ 8	1.0+ 9	CCP	EXPT	SNP	10	30	70	KOMAR+ FRAGMENT YIELD	
092	U	238	(G,F	) YD	2.5+ 7	5.0+ 8	CCP	EVAL	SNP	11	736	70	KASILOV+ + FRAGMENT YIELD	
092	U	238	(G,F	) YD	3.0+ 8	1.1+ 9	SWD	EXPT	NP/A	143	449	70	SCHRODER+ MASS YIELD	
092	U	238	(G,F	) YD		5.3+ 7	FR	EXPT	NP/A	173	465	71	TAMAIN+ FRAGMENT YIELD	
092	U	238	(G,F	) YD	5.6+ 6	9. + 6	USA	EXPT	NP/A	175	501	71	DOWDY+ FRAGMENT YIELD	
092	U	238	(G,F	) YD	1.5+ 7	2.5+ 7	CCP	EXPT	SNP	14	532	72	PETRZHAK+ FRAGMENT YIELD	
092	U	238	(G,F	) YD	8. + 8	2.2+ 9	GER	EXPT	NP/A	197	163	72	DAVID+ MASS YIELD	
092	U	238	(G,F	) YD	1.0+ 8	7.6+ 8	SWD	EXPT	NP/A	193	555	72	SCHRODER+ FRAGMENT PRODUCT.SIGMA	+
092	U	238	(G,F	) YD	6.0+ 8	5.1+ 9	CCP	EXPT	SNP	16	502	73	DEMEKHINA+ FRAGMENT ANISOTROPY	
092	U	238	(G,F	) YD	4.5+ 6	6.5+ 6	SWD	EXPT	NP/A	215	461	73	ALM+ FRAGMENT YIELD	
092	U	238	(G,F	) YD	2.5+ 7		BLG	EXPT	PR/C	14	1058	76	THIERENS+ FISSION YIELD	
092	U	238	(G,F	) YD	2.5+ 7		BLG	THEO	PR/C	14	1874	76	JACOBS+ FISS. NEUTRON YIELD	

ELEMENT Z	S	A	QUANTITY	ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
092	U	238	(G,F)	YD	1.0+ 8	1.0+ 9	CCP	EXPT	SNP	28	600	78	ALEKSANDROV+ RELATIV.FISS.YIELDS	
092	U	238	(G,F)	YD	4.4+ 6	7.0+ 6	CCP	EXPT	SNP	28	602	78	ZHUCHKO+ YIELD CURVE	
092	U	238	(G,F)	YD	3.5+ 6	4.6+ 6	CCP	EXPT	SNP	28	611	78	ZHUCHKO+ PHOTOFISS. YIELDS	
092	U	238	(G,F)	YD		7.3+ 6		EXPT	PR/C	19	422	79	JACOBS+ 5PT./40MASS YIELD	
092	U	238	(G,F)	YD	5.5+ 6	1.8+ 7	LRL	EXPT	NSE	73	153	80	CALDWELL+ MULTIPLICITY	
092	U	238	(G,F)	YD	6.0+ 8	1.6+ 9	CCP	EXPT	SNP	33	163	81	ANTIPENKO+ FISSION YIELDS	
092	U	238	(G,F)	YD	1.2+ 9		CCP	EXPT	SNP	34	483	81	KASILOV+ FRAGMENT YIELD	
092	U	238	(G,F)	YD		3.0+ 7		EXPT	PR/C	25	1546	82	THIERENS+	
092	U	238	(G,F)	YD		3.0+ 7		EXPT	PR/C	26	1356	82	FRENNE+	
092	U	238	(G,F)	YD	1.2+ 7	3.0+ 7	GHT	EXPT	PR/C	29	1777	84	DE FRENNE+ ISOM. YIELD RATIO TBL	
092	U	238	(G,F)	YD	1.2+ 7	3.0+ 7	GHT	EXPT	PR/C	29	1909	84	DE FRENNE+ ISOT. YIELD DIST. TBL	
092	U	238	(G,F)	YD	7.2+ 6	9.7+ 6	NEG	EXPT	PR/C	32	1944	85	KAHANE+ FRAGM. YIELD	
092	U	238	(G,F)	YD	3.9+ 6	4.3+ 6	GER	EXPT	NP/A	437	253	85	DREXLER+ FISSION YIELD	
092	U	238	(G,F)	YD	2.0+ 7	6.0+ 7	JPN	EXPT	NSE	111	368	92	KASE+ YIELD CURVE	
092	U	238	(G,G)	AD	1.1+ 7		ANL	EXPT	PR/C	9	1153	74	JACKSON+ PHOTON SCAT.	
092	U	238	(G,G)	AD	6.8+ 6	1.1+ 7	ISL	EXPT	PR/C	18	1217	78	KAHANE+ RAYLEIGH & DELBRUCK AMP.	
092	U	238	(G,G)	AD	7.9+ 6	9.0+ 6	NEG	EXPT	NP/A	308	88	78	KAHANE+ ANGLUAR DIST.SIGMA	+
092	U	238	(G,G)	CS	7.9+ 6	1.1+ 7	ISL	EXPT	NP/A	229	417	74	BAR-NOY+ SIGMA & GDR PARAM.	+
092	U	238	(G,INELASTIC)	CS	1.2+ 7		GER	EXPT	NP/A	411	17	83	DREXLER+ FISS.ISOM SIGMA=400 NB	+
092	U	238	(G,INELASTIC)	DD	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)	CS	8. + 6	1.1+ 7	ANL	EXPT	PR	104	425	56	GINDLER+ SIGMA TBL/CURVE	+
092	U	238	(G,N)	CS		2.3+ 7	CAN	EXPT	CJP	35	470	57	KATZ+ SIGMA CURVE	+
092	U	238	(G,N)	CS	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)	CS	1.0+ 9	5.5+ 9	ITY	EXPT	NP/A	126	505	69	DE CARVALHO+ SIGMA PLOT	+
092	U	238	(G,N)	CS	5.4+ 6	9.0+ 6	BZL	EXPT	NP/A	186	110	72	MAFRA+ SIGMA CURVE & TABLE	+
092	U	238	(G,N)	CS	6. + 6	2.5+ 7	SAC	EXPT	NP/A	199	45	73	VEYSSIERE+ INTEGRAT.SIGMA	+
092	U	238	(G,N)	CS	6.1+ 6	1.1+ 7	BRL	EXPT	NP/A	236	1	74	MAFRA+ SIGMA TABLE	+
092	U	238	(G,N EMISSION)	CS	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)	CS		4.5+ 7		EXPT	NP/A	350	1	80	GUENTHER+ ISOMERIC FISS. SIGMA	
092	U	238	(G,SCATTERING)	AD	8.5+ 6	1.1+ 7	ILL	EXPT	PR/C	27	559	83	RULLHUSEN+ DIF.SIGMA TBL	+
092	U	238	(G,SCATTERING)	CS	4. + 6	7. + 6	ILL	EXPT	ZP/A	314	171	83	ZURMUEL+ SCAT SIGMA TBL	+
092	U	238	(G,SCATTERING)	DD		1.1+ 7		EXTH	NIM	166	91	79	MOREH N-CAPT GAMMA SOURCE	
092	U	238	(G,TOTAL)	CS	3.8+ 6	3.8+ 6		EXPT	PL/B	114	99	82	ZURMUIHL+	
092	U	238	(G,X)	CS	3. + 8	3.5+ 9	CCP	EXPT	SNP	52	878	90	ARAKELYAN+ HADRON PROD.SIGMA CURVE	+
092	U	238	(G,2N)	CS	6. + 6	2.5+ 7	SAC	EXPT	NP/A	199	45	73	VEYSSIERE+ INTEGRAT.SIGMA	+
092	U	238	(G,2N)	CS		4.5+ 7		EXPT	NP/A	350	1	80	GUENTHER+ ISOMERIC FISS. SIGMA	
092	U	238	(G,2N)	YD		6.5+ 7		EXPT	NIM	163	459	79	GUENTHER+ U236 FISS ISOM LIFE	
092	U	238	(E,A)	ED	4.0+ 7		NBS	EXPT	PR/C	18	2435	78	DODGE+ TERNARY FISS CS	
092	U	238	(E,EF)		7.8+ 7	1.8+ 8		EXPT	PRL	59	2028	87	WEBER+	
092	U	238	(E,EF)	DD	5.0+ 6	1.2+ 7		EXPT	PRL	49	113	82	DOWELL+	
092	U	238	(E,ELASTIC)	YD	1.0+ 8	6.9+ 8	LSU	EVAL	PR/C	34	1243	86	BLATCHLEY+	
092	U	238	(E,F)	AD	5.5+ 6	9.0+ 6		EXPT	NP/A	334	297	80	ARRUDA-NETO+ FRAG.ANG. DIST.	
092	U	238	(E,F)	AD	1.0+ 7	5.0+ 8		EXPT	NP/A	349	483	80	ARRUDA-NETO+ FRAG.ANG. DIST.	
092	U	238	(E,F)	CS	2.5+ 8	5.0+ 8	LRL	EXPT	PR	168	1396	68	BOWMAN+ FISSION SIGMA TBL	+
092	U	238	(E,F)	CS	6.0+ 7	1.0+ 9	LRL	EXPT	PR	179	1176	69	MORETTO+ SIGMA TBL	+
092	U	238	(E,F)	CS	2.5+ 7	5.0+ 8	CCP	EVAL	SNP	11	736	70	KASILOV+ + SIGMA CURVE	+
092	U	238	(E,F)	CS	7. + 6	6.5+ 7		EXPT	ZP/A	292	285	79	ASCHENBACH+ FRAG.ANG.DIST.ANISO	
092	U	238	(E,F)	CS	1.0+ 8	2.8+ 8	CCP	EXPT	SNP	34	797	81	VORONIN+ SIGMA CURVE	+
092	U	238	(E,F)	CS	9.1+ 7	2.3+ 8		EXPT	UFZ	10	1456	82	LIFACHEV+	
092	U	238	(E,F)	CS	1.0+ 7	3.5+ 7		EXPT	NP/A	378	237	82	STROEHER+	

ELEMENT Z	S	A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
092	U	238	(E,F	) CS	1.0+ 8	1.0+ 9		EXPT	NP/A	381	472	82	KUZNETSOV+	
092	U	238	(E,F	) CS	5.0+ 6	2.0+ 7	USA	COMP	PR/C	33	1354	86	ZAMANI-NOOR+ PHOTOFISS.SIGMA	+
092	U	238	(E,F	) CS	5. + 6	2.3+ 7	STF	EXTH	PR/C	34	1375	86	GRIFFIOEN+	
092	U	238	(E,F	) CS	1.3+ 9	4.3+ 9	CCP	EXPT	SNP	49	780	89	ARAKELYAN+ SIGMA VALUE	+
092	U	238	(E,F	) CS	1.5+ 8	5.5+ 8	LND	EXPT	PR/C	41	1619	90	HANSEN+ SIGMA CURVE	+
092	U	238	(E,F	) CS	1.5+ 8	5.5+ 8	SWD	EXPT	PR/C	41	1619	90	HANSEN+ SIGMA VS. ENERG.TRANS CRV	
092	U	238	(E,F	) CS	4. + 6	2.2+ 7	GER	EXPT	NP/A	510	1	90	WEBER+ SIGMA CURVE	+
092	U	238	(E,F	) DD		2.3+ 7	STF	EXPT	PRL	52	2382	84	GRIFFIOEN+ (E,E'F) DDX CURV	
092	U	238	(E,F	) YD	5.5+ 6	2.8+ 7	USP	EXTH	PR/C	18	863	78	ARRUDA+ E2 CS & E2 GR PARAM.	+
092	U	238	(E,F	) YD	1.1+ 8			EXPT	NP/A	326	108	79	MCGEORGE+ MASS DIST.,KINETIC EN	
092	U	238	(E,F	) YD	6. + 6	1.0+ 7	CCP	EXPT	SNP	48	414	88	RUDNIKOV+ ANGULAR ANISOTROPY	
092	U	238	(E,INELASTIC	) CS	3.5+ 7	1.1+ 8	MIT	EXPT	PR/C	13	1083	76	COOPER+ SIGMA	+
092	U	238	(E,INELASTIC	) CS	1.3+ 7		AUI	EXPT	PR/C	18	1550	78	DOWELL+ (E,E'A) CROSS SECTIONS	
092	U	238	(E,INELASTIC	) DD	5. + 6	4.0+ 7		EXTH	PR/C	21	28	80	PITTHAN+ INEL. ELECTRON SPECT.	
092	U	238	(E,N	) CS	6. + 6	2.5+ 7	USP	EXPT	PR/C	16	613	77	MARTINS+ ELECTRODISINT. SIGMA	+
092	U	238	(E,N	) CS	2.0+ 7	1.2+ 8		EXPT	NP/A	330	325	79	SHOTTER+ E1,E2 STRENGTH	
092	U	238	(E,P	) ED	4.0+ 7		NBS	EXPT	PR/C	18	2435	78	DODGE+ TERNARY FISS CS	
092	U	238	(E,SCATTERING)	AD	2.0+ 8		GER	THEO	NP/A	78	465	66	DRECHSEL DIFF.SIGMA CURVE	+
092	U	238	(E,SCATTERING)	XX	5.0+ 8		GER	THEO	ZP/A	332	51	89	BROCKMANN+ QUASI-FREE SCATT.	
092	U	238	(N,G	) CS	NDG		ORL	THEO	NSE	1	105	56	DRESNER CAL. WITH SEVERAL METHODS	
092	U	238	(N,G	) CS	PILE		USA	EXPT	NSE	14	358	62	HARDY+ RES.INTEGRAL	+
092	U	238	(N,G	) CS	7.5+ 3	3.0+ 4	KFK	EXPT	NSE	26	573	66	ARAI+ PULSED METHOD	+
092	U	238	(N,G	) CS	2.4+ 4	5.0+ 5	KFK	EXPT	NSE	33	24	68	MENLOVE+ SIGMA TABLE	+
092	U	238	(N,G	) CS	2.0+ 4		LRL	EXPT	NP/A	124	130	69	INGLEY HEAVY-ELEMENT YIELD	+
092	U	238	(N,G	) CS	5.5+ 5	2.2+ 6	ANL	EXPT	NP/A	148	337	70	ELWYN+ ISOMER FORMATION SIGMA	+
092	U	238	(N,G	) CS	1. + 2	1.0+ 5	ORL	EXPT	NSE	51	385	73	DE SAUSSURE+ SIGMA TABLE	+
092	U	238	(N,G	) CS	1. + 4	5. + 6	KFK	EXPT	NSE	54	300	74	BLUHM+ ADJUST.SIGMA CURVE	+
092	U	238	(N,G	) CS	2.0+ 4	3.5+ 6	ANL	EXPT	NSE	57	300	75	POENITZ SIGMA TABLE	+
092	U	238	(N,G	) CS	1.1+ 0	1.8+ 1	BNL	EXPT	NSE	62	463	77	LIOU+ SIGMA TABLE	+
092	U	238	(N,G	) CS	1.0+ 4	9.0+ 4	KFK	EXPT	NSE	66	363	78	WISSHAK+ SIGMA RATIO	
092	U	238	(N,G	) CS	6.0+ 5	1.4+ 6		EXPT	AE	48	87	80	DAVLETSHIN+	
092	U	238	(N,G	) CS	3.0+ 2	3.0+ 6	ANL	EXPT	NSE	78	239	81	POENITZ+ SIGMA TABLE	+
092	U	238	(N,G	) CS	1. + 3	2.0+ 5	ITY	THEO	NSE	83	401	83	REFFO+ OPTICAL MODEL CAL.	+
092	U	238	(N,G	) CS	1.0+ 4	3.0+ 5	KFK	EVAL	NSE	103	119	89	FROEHNER SIGMA CURVE	+
092	U	238	(N,G	) CS	2.3+ 4	9.7+ 5	USA	EXPT	NSE	110	282	92	QUANG+ SIGMA CURVE	+
092	U	238	(N,G	) CS	4. + 3	2.0+ 5	KFK	EVAL	NSE	111	404	92	FROEHNER SIGMA CURVE	+
092	U	238	(N,G	) ED	2.7+ 4	4.0+ 4	ORL	EXPT	NP/A	74	15	65	BERGQVIST GAMMA SPECTRUM	
092	U	238	(N,G	) ED	7. + 6	1.4+ 7		EXPT	NP/A	384	88	82	MCDANIELS+	
092	U	238	(N,G	) XX	6.7+ 0		CCP	EXPT	NP/A	362	18	81	MEISTER+ CHEMICAL RES.ENERG.SHIFT	
092	U	238	(N,G	) YD	2.5- 2		CRL	EXPT	CJP	37	377	59	CAMPION+ GAMMA INTENSITY	
092	U	238	(N,G	) YD	5. + 0	1.0+ 3	HAR	EXPT	NP/A	85	305	66	ASGHAR+ RESONANCE PARAMETER	
092	U	238	(N,G	) YD	2. - 3	1.2+ 2	BNL	EXPT	NP/A	121	630	68	PRICE+ RESONANCE PARAMETER	
092	U	238	(N,G	) YD		6.0+ 2	BNL	EXPT	PR/C	4	900	71	WASSON+ PARTIAL RAD.WIDTH	
092	U	238	(N,G	) YD	2.5- 2		ANL	EXPT	PR/C	6	1322	72	BOLLINGER+ RES. PARAM.	
092	U	238	(N,G	) YD		4.0+ 3	COL	EXPT	PR/C	6	1854	72	RAHN+ RES. PARAM.	
092	U	238	(N,G	) YD	2. + 3	2.4+ 4	BNL	EXPT	PR/C	24	1419	81	STELTS+ LEVEL DENSITY	
092	U	238	(N,G	) YD	3. + 0	3. + 3	RPI	EXPT	NSE	80	263	82	BLOCK+ SELF-INDICATION YIELD	
092	U	238	(N,G	) YD	PILE		BNL	EXPT	NP/A	414	281	84	CHRIEN+ U239 LVL	
092	U	238	(D,G	) CS	5. + 6	2.5+ 7	LRL	EXPT	NP/A	81	401	66	LESSLER+ SIGMA CURVE	+
092	U	238	(D,G	) CS	7.5+ 6	1.8+ 7		EXPT	ZP/A	306	367	82	GIPPERT+	
092	U	388	(G,F	) CS	8. + 6	2.5+ 7	USA	THEO	NP/A	161	191	71	UPDEGRAFF+ CAL.SIGMA CURVE	+

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
093 NP 237	(G,F	) CS	6.1+ 6	7.0+ 6	ANL	EXPT	NP	34	439	62	HUIZENGA+ SIGMA TBL	+
093 NP 237	(G,F	) CS	6. + 6	2.5+ 7	SAC	EXPT	NP/A	199	45	73	VEYSSIERE+ INTEGRAT.SIGMA	+
093 NP 237	(G,F	) CS	5.4+ 6	1.1+ 7	BZL	EXPT	NSE	89	150	85	GERALDO+ SIGMA TABLE	+
093 NP 237	(G,F	) CS		1.8+ 7	GWU	EXPT	PR/C	34	2201	86	BERMAN+ SIGMA CURVE	+
093 NP 237	(G,F	) CS	5.2+ 7		ITY	EXPT	PR/C	44	1683	91	TAVARES+ SIGMA VALUE ANALYSED	+
093 NP 237	(G,F	) CS	6.0+ 7	2.4+ 8	CCP	EXPT	NP/A	539	263	92	ILJINOV+ SIGMA CURVE	+
093 NP 237	(G,F	) XX	8. + 6	1.3+ 7	LRL	EXPT	NSE	56	179	75	CALDWELL+ FISS.NEUTRON MULTIPLICIT	
093 NP 237	(G,F	) YD	1.0+ 8	1.0+ 9	CCP	EXPT	SNP	28	600	78	ALEKSANDROV+ RELATIV.FISS.YIELDS	
093 NP 237	(G,F	) YD	4.4+ 6	7.0+ 6	CCP	EXPT	SNP	28	602	78	ZHUCHKO+ YIELD CURVE	
093 NP 237	(G,F	) YD	3.5+ 6	4.6+ 6	CCP	EXPT	SNP	28	611	78	ZHUCHKO+ PHOTOFISS. YIELDS	
093 NP 237	(G,F	) YD		2.8+ 7		EXPT	AE	53	164	82	KONDRATIKO+	
093 NP 237	(G,F	) YD	2.0+ 7	6.0+ 7	JPN	EXPT	NSE	111	368	92	KASE+ YIELD CURVE	
093 NP 237	(G,N	) CS	6. + 6	2.5+ 7	SAC	EXPT	NP/A	199	45	73	VEYSSIERE+ INTEGRAT.SIGMA	+
093 NP 237	(G,N	) CS	5.4+ 6	1.1+ 7	BZL	EXPT	NSE	89	150	85	GERALDO+ SIGMA TABLE	+
093 NP 237	(G,SCATTERING	) DD		1.1+ 7		EXTH	NIM	166	91	79	MOREH N-CAPT GAMMA SOURCE	
093 NP 237	(G,2N	) CS	6. + 6	2.5+ 7	SAC	EXPT	NP/A	199	45	73	VEYSSIERE+ INTEGRAT.SIGMA	+
093 NP 237	(E,F	) CS	1.0+ 8	2.8+ 8	CCP	EXPT	SNP	34	797	81	VORONIN+ SIGMA CURVE	+
093 NP 237	(E,F	) CS	1.0+ 8	1.0+ 9		EXPT	NP/A	381	472	82	KUZNETSOV+	
093 NP 237	(E,F	) YD	1.1+ 8			EXPT	NP/A	326	108	79	MCGEORGE+ MASS DIST.,KINETIC EN	
093 NP 237	(N,G	) CS	1.5+ 5	1.5+ 6	ANL	EXPT	NSE	29	218	67	STUPEGIA+ ACTIVATION,SIGMA TABLE	+
093 NP 238	(N,G	) YD	2. + 3		LRL	EXPT	PR/C	41	484	90	HOFF+ GAMMA SPECTROSCOPY	
093 NP 239	(N,G	) CS	PILE		USA	EXPT	NSE	5	264	59	KINDERMAN+ SIGMA VALUE	+

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
094 PU 000	(G,TOTAL	) CS	3.0+ 4	1.8+ 7	IND	EVAL	NSE	51	337	73	RAMANA+ SIGMA CURVE	+
094 PU 000	(G,X	) CS	1. + 3	6.0+ 5	LRL	THEO	NSE	40	487	70	ATWATER TOT.PHOTON SIGMA	+
094 PU 238	(G,F	) CS	7.5+ 6	1.1+ 7	USA	EXPT	NSE	45	47	71	SHAPIRO+ SIGMA TABLE & CURVE	+
094 PU 238	(N,G	) CS	PILE		CAN	EXPT	CJP	35	147	57	BUTLER+ SIGMA VALUE	+
094 PU 238	(N,G	) CS	2.5- 2		USA	EXPT	NSE	30	355	67	YOUNG+ SIGMA VALUE	+
094 PU 238	(N,G	) CS	1.8+ 1	2.0+ 5	LRL	EXPT	NSE	52	187	73	SILBERT+ SIGMA CURVE	+
094 PU 239	(G,F	) CS	7.5+ 6	1.1+ 7	USA	EXPT	NSE	45	47	71	SHAPIRO+ SIGMA TABLE & CURVE	+
094 PU 239	(G,F	) CS		1.8+ 7	GWU	EXPT	PR/C	34	2201	86	BERMAN+ SIGMA CURVE	+
094 PU 239	(G,F	) XX	8. + 6	1.3+ 7	LRL	EXPT	NSE	56	179	75	CALDWELL+ FISS.NEUTRON MULTIPLICIT	
094 PU 239	(G,F	) YD	5.4+ 6	7.9+ 6	CCP	EXPT	NP/A	77	92	66	RABOTNOV+ FRAGMENT ANGL.ANISOTRO.	
094 PU 239	(G,F	) YD	3.0+ 6	8.7+ 6	CCP	EXPT	SNP	11	552	70	SOLDATOV+ ANGULAR ANISOTROPY	
094 PU 239	(G,F	) YD		5.3+ 7	FR	EXPT	NP/A	173	465	71	TAMAIN+ FRAGMENT YIELD	
094 PU 239	(G,F	) YD	1.0+ 8	1.0+ 9	CCP	EXPT	SNP	28	600	78	ALEKSANDROV+ RELATIV.FISS.YIELDS	
094 PU 239	(G,F	) YD	4.4+ 6	7.0+ 6	CCP	EXPT	SNP	28	602	78	ZHUCHKO+ YIELD CURVE	
094 PU 239	(G,F	) YD	2.0+ 7	6.0+ 7	JPN	EXPT	NSE	111	368	92	KASE+ YIELD CURVE	
094 PU 239	(G,N	) CS		2.3+ 7	CAN	EXPT	CJP	35	470	57	KATZ+ SIGMA CURVE	+
094 PU 239	(G,N	) YD	1.1+ 7	1.5+ 7	CCP	EXPT	SNP	16	151	73	GANGRSKII+ EXCITATION ENERGY	
094 PU 239	(G,2N	) YD		4.5+ 7		EXPT	PR/C	19	433	79	GUENTHER+ PU237 FISS ISOM YIELD	
094 PU 239	(E,F	) CS	1.0+ 8	2.8+ 8	CCP	EXPT	SNP	34	797	81	VORONIN+ SIGMA CURVE	+
094 PU 239	(E,F	) CS	1.0+ 8	1.0+ 9		EXPT	NP/A	381	472	82	KUZNETSOV+	
094 PU 239	(N,G	) CS	5. + 3	5.0+ 4	DRL	EXPT	PR	102	797	56	MACKLIN+ SIGMA CURVE	+
094 PU 239	(N,G	) CS	PILE		ANL	EXPT	NSE	1	62	56	FIELDS+ SIGMA VALUE	+
094 PU 239	(N,G	) CS	PILE		USA	EXPT	NSE	3	758	58	GAERTTNER+ SIGMA VALUE	+
094 PU 239	(N,G	) CS	5.5+ 5	2.2+ 6	ANL	EXPT	NP/A	148	337	70	ELWYN+ ISOMER FORMATION SIGMA	+
094 PU 239	(N,G	) CS	2. - 2	3.0+ 4	DRL	EXPT	NSE	40	306	70	GWIN+ SIGMA TABLE	+
094 PU 239	(N,G	) CS	NDG		USA	EXPT	NSE	44	180	71	EILAND+ RES.INTEGRAL	+
094 PU 239	(N,G	) CS	2. - 2	2.0+ 5	ORL	EXPT	NSE	59	79	76	GWIN+ SIGMA CURVE & TABLE	+
094 PU 239	(N,G	) CS		1.0+ 3	ORL	EVAL	NSE	106	434	90	DERRIEN+ R-MATRIX ANL.,SIGMA CURVE	+
094 PU 240	(G,XN	) CS		4.5+ 7		EXPT	NP/A	350	1	80	GUENTHER+ ISOMERIC FISS. SIGMA	
094 PU 240	(N,G	) CS	PILE		CRC	EXPT	PR	103	634	56	BUTLER+ SIGMA VALUE	+
094 PU 240	(N,G	) CS	PILE		ANL	EXPT	NSE	1	62	56	FIELDS+ SIGMA VALUE	+
094 PU 240	(N,G	) CS	NDG		ORL	THEO	NSE	2	481	57	STOUGHTON+ EFFECT.CAPT.SIGMA	+
094 PU 240	(N,G	) CS	2.0+ 2	3.5+ 5	ORL	EXPT	NSE	63	143	77	WESTON+ SIGMA TABLE	+
094 PU 240	(N,G	) CS	1.0+ 4	9.0+ 4	KFK	EXPT	NSE	66	363	78	WISSHAK+ SIGMA RATIO	
094 PU 240	(N,G	) CS	5.0+ 4	2.5+ 5	KFK	EXPT	NSE	69	39	79	WISSHAK+ SIGMA RATIO	
094 PU 240	(N,G	) CS	1. + 3	2.0+ 5	ITY	THEO	NSE	83	401	83	REFFO+ OPTICAL MODEL CAL.	+
094 PU 241	(G,F	) YD	4.4+ 6	7.0+ 6	CCP	EXPT	SNP	28	602	78	ZHUCHKO+ YIELD CURVE	
094 PU 241	(N,G	) CS	PILE		ANL	EXPT	NSE	1	62	56	FIELDS+ SIGMA VALUE	+
094 PU 241	(N,G	) CS	PILE		USA	EXPT	NSE	3	758	58	GAERTTNER+ SIGMA VALUE	+

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

ELEMENT Z S A	QUANTITY		ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS	DATA
095 AM 241	(G,F	) CS	5.0+ 7	1.3+ 9	CCP	EXPT	SNP	24	357	76	VINOGRADOV+ FISS.SIGMA	+
095 AM 241	(G,F	) CS	7. + 6	2.6+ 7		EXPT	YF	30	910	79	KORETZKAJA+	
095 AM 241	(G,F	) YD	1.0+ 8	1.0+ 9	CCP	EXPT	SNP	28	600	78	ALEKSANDROV+ RELATIV.FISS.YIELDS	
095 AM 241	(G,F	) YD	4.4+ 6	7.0+ 6	CCP	EXPT	SNP	28	602	78	ZHUCHKO+ YIELD CURVE	
095 AM 241	(G,F	) YD	1.0+ 7	8.0+ 7		EXPT	NP/A	324	29	79	KUZNETSOV+ DELAY/PROMPT RATIO	
095 AM 241	(N,G	) CS	0	6.5+ 6	CCP	EXPT	NP/A	102	443	67	FLEROV+ SIGMA CURVE	+
095 AM 241	(N,G	) CS	2.5- 2		USA	EXPT	NSE	50	364	73	HARBOUR+ SIGMA VALUE	+
095 AM 241	(N,G	) CS	2.5- 2	2. + 6	USA	THEO	NSE	63	242	77	MANN+ HAUSER-FESCHBACH THEORY	+
095 AM 241	(N,G	) CS	1.0+ 4	2.5+ 5	KFK	EXPT	NSE	76	148	80	WISSHAK+ SIGMA CURVE	+
095 AM 241	(N,G	) CS	1.5- 2	3.0+ 4	KFK	EXPT	NSE	81	396	82	WISSHAK+ SIGMA CURVE	+
095 AM 242M	(E,INELASTIC	) CS		3. + 3	CCP	THEO	SNP	48	827	88	ARUTYUNYAN+ TRANSITION SIGMA	+
095 AM 243	(G,F	) CS	5.0+ 7	1.3+ 9	CCP	EXPT	SNP	24	357	76	VINOGRADOV+ FISS.SIGMA	+
095 AM 243	(G,F	) CS	7. + 6	2.6+ 7		EXPT	YF	30	910	79	KORETZKAJA+	
095 AM 243	(G,F	) CS	4.5+ 8	9.5+ 8	CCP	EXPT	NP/A	485	668	88	IVANOV+ SIGMA CURVE	+
095 AM 243	(G,F	) YD	1.0+ 8	1.0+ 9	CCP	EXPT	SNP	28	600	78	ALEKSANDROV+ RELATIV.FISS.YIELDS	
095 AM 243	(G,F	) YD	1.0+ 7	8.0+ 7		EXPT	NP/A	324	29	79	KUZNETSOV+ DELAY/PROMPT RATIO	
095 AM 243	(G,N	) CS	4.5+ 8	9.5+ 8	CCP	EXPT	NP/A	485	668	88	IVANOV+ SIGMA CURVE	+
095 AM 243	(E,F	) CS	1.0+ 8	1.0+ 9		EXPT	NP/A	381	472	82	KUZNETSOV+	
095 AM 243	(E,F	) CS	4.5+ 8	9.5+ 8	CCP	EXPT	NP/A	485	668	88	IVANOV+ SIGMA CURVE	+
095 AM 243	(E,N	) CS	4.5+ 8	9.5+ 8	CCP	EXPT	NP/A	485	668	88	IVANOV+ SIGMA CURVE	+
095 AM 243	(N,G	) CS	PILE		CAN	EXPT	CJP	35	147	57	BUTLER+ SIGMA VALUE	+
095 AM 243	(N,G	) CS	3. + 5	4. + 6	RUM	EXPT	NP/A	134	541	69	BOCA+ SIGMA CURVE & TABLE	+
095 AM 243	(N,G	) CS	2.5- 2	2. + 6	USA	THEO	NSE	63	242	77	MANN+ HAUSER-FESCHBACH THEORY	+
095 AM 243	(N,G	) CS	5. + 3	2.5+ 5	KFK	EXPT	NSE	85	251	83	WISSHAK+ SIGMA CURVE	+
095 AM 243	(N,G	) CS	2.6+ 2	9.2+ 4	ORL	EXPT	NSE	91	444	85	WESTON+ SIGMA TABLE & CURVE	+
095 AM 243	(N,G	) YD	PILE		MUN	EXPT	PR/C	29	1243	84	EGIGY+ GAMMA YIELD TBL	

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

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

ELEMENT Z S A	QUANTITY	ENERGY(EV) MIN	MAX	LAB	TYPE	DOCUMENTATION REF	VOL	PAGE	YEAR	COMMENTS		DATA
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	+

国際単位系 (SI) と換算表

表1　SI基本単位および補助単位

量	名称	記号
長さ	メートル	m
質量	キログラム	kg
時間	秒	s
電流	アンペア	A
熱力学温度	ケルビン	K
物質量	モル	mol
光度	カンテラ	cd
平面角	ラジアン	rad
立体角	ステラジアン	sr

表2　SIと併用される単位

名称	記号
分，時，日	min，h，d
度，分，秒	°，′，″
リットル	l，L
トン	t
電子ボルト	eV
原子質量単位	u

$1\ \mathrm{eV} = 1.60218 \times 10^{-19}\ \mathrm{J}$

$1\ \mathrm{u} = 1.66054 \times 10^{-27}\ \mathrm{kg}$

表5　SI接頭語

倍数	接頭語	記号
10^{18}	エクサ	E
10^{15}	ペタ	P
10^{12}	テラ	T
10^{9}	ギガ	G
10^{6}	メガ	M
10^{3}	キロ	k
10^{2}	ヘクト	h
10^{1}	デカ	da
10^{-1}	デシ	d
10^{-2}	センチ	c
10^{-3}	ミリ	m
10^{-6}	マイクロ	μ
10^{-9}	ナノ	n
10^{-12}	ピコ	p
10^{-15}	フェムト	f
10^{-18}	アト	a

表3　固有の名称をもつSI組立単位

量	名称	記号	他のSI単位による表現
周波数	ヘルツ	Hz	s^{-1}
力	ニュートン	N	$m \cdot kg/s^2$
圧力，応力	パスカル	Pa	N/m^2
エネルギー，仕事，熱量	ジュール	J	$N \cdot m$
工率，放射束	ワット	W	J/s
電気量，電荷	クーロン	C	$A \cdot s$
電位，電圧，起電力	ボルト	V	W/A
静電容量	ファラド	F	C/V
電気抵抗	オーム	Ω	V/A
コンダクタンス	シーメンス	S	A/V
磁束	ウェーバ	Wb	$V \cdot s$
磁束密度	テスラ	T	Wb/m^2
インダクタンス	ヘンリー	H	Wb/A
セルシウス温度	セルシウス度	℃	
光束	ルーメン	lm	$cd \cdot sr$
照度	ルクス	lx	lm/m^2
放射能	ベクレル	Bq	s^{-1}
吸収線量	グレイ	Gy	J/kg
線量当量	シーベルト	Sv	J/kg

表4　SIと共に暫定的に維持される単位

名称	記号
オングストローム	Å
バーン	b
バール	bar
ガル	Gal
キュリー	Ci
レントゲン	R
ラド	rad
レム	rem

$1\ \mathrm{Å} = 0.1\ \mathrm{nm} = 10^{-10}\ \mathrm{m}$

$1\ \mathrm{b} = 100\ \mathrm{fm}^2 = 10^{-28}\ \mathrm{m}^2$

$1\ \mathrm{bar} = 0.1\ \mathrm{MPa} = 10^5\ \mathrm{Pa}$

$1\ \mathrm{Gal} = 1\ \mathrm{cm/s}^2 = 10^{-2}\ \mathrm{m/s}^2$

$1\ \mathrm{Ci} = 3.7 \times 10^{10}\ \mathrm{Bq}$

$1\ \mathrm{R} = 2.58 \times 10^{-4}\ \mathrm{C/kg}$

$1\ \mathrm{rad} = 1\ \mathrm{cGy} = 10^{-2}\ \mathrm{Gy}$

$1\ \mathrm{rem} = 1\ \mathrm{cSv} = 10^{-2}\ \mathrm{Sv}$

(注)

1. 表1　5は「国際単位系」第5版，国際度量衡局　1985年刊行による。ただし，1 eVおよび1 uの値はCODATAの1986年推奨値によった。
2. 表4には海里，ノット，アール，ヘクタールも含まれているが日常の単位なのでここでは省略した。
3. barは，JISでは流体の圧力を表わす場合に限り表2のカテゴリーに分類されている。
4. EC閣僚理事会指令ではbar，barnおよび「血圧の単位」mmHgを表2のカテゴリーに入れている。

換算表

力	N(=10^5dyn)	kgf	lbf
	1	0.101972	0.224809
	9.80665	1	2.20462
	4.44822	0.453592	1

粘度　1 Pa·s(N·s/m²)=10 P(ポアズ)(g/(cm·s))

動粘度　1 m²/s=10⁴St(ストークス)(cm²/s)

圧力	MPa(=10 bar)	kgf/cm²	atm	mmHg(Torr)	lbf/in²(psi)
	1	10.1972	9.86923	7.50062×10^3	145.038
	0.0980665	1	0.967841	735.559	14.2233
	0.101325	1.03323	1	760	14.6959
	1.33322×10^{-4}	1.35951×10^{-3}	1.31579×10^{-3}	1	1.93368×10^{-2}
	6.89476×10^{-1}	7.03070×10^{-2}	6.80460×10^{-2}	51.7149	1

エネルギー・仕事・熱量	J(=10^7erg)	kgf·m	kW·h	cal(計量法)	Btu	ft·lbf	eV
	1	0.101972	2.77778×10^{-7}	0.238889	9.47813×10^{-4}	0.737562	6.24150×10^{18}
	9.80665	1	2.72407×10^{-6}	2.34270	9.29487×10^{-3}	7.23301	6.12082×10^{19}
	3.6×10^6	3.67098×10^5	1	8.59999×10^5	3412.13	2.65522×10^6	2.24694×10^{25}
	4.18605	0.426858	1.16279×10^{-6}	1	3.96759×10^{-3}	3.08747	2.61272×10^{19}
	1055.06	107.586	2.93072×10^{-4}	252.042	1	778.172	6.58515×10^{21}
	1.35582	0.138255	3.76616×10^{-7}	0.323890	1.28506×10^{-3}	1	8.46233×10^{18}
	1.60218×10^{-19}	1.63377×10^{-20}	4.45050×10^{-26}	3.82743×10^{-20}	1.51857×10^{-22}	1.18171×10^{-19}	1

1 cal = 4.18605 J (計量法)
= 4.184 J　(熱化学)
= 4.1855 J　(15 ℃)
= 4.1868 J (国際蒸気表)

仕事率　1 PS (仏馬力)
= 75 kgf·m/s
= 735.499 W

放射能	Bq	Ci
	1	2.70270×10^{-11}
	3.7×10^{10}	1

吸収線量	Gy	rad
	1	100
	0.01	1

照射線量	C/kg	R
	1	3876
	2.58×10^{-4}	1

線量当量	Sv	rem
	1	100
	0.01	1

(86年12月26日現在)