

Japan Charged-Particle Nuclear Reaction Data Group (JCPRG)

EXFOR : Recent Compilation List (Added in Mar 2004)

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Retrieval service is available at:

<http://www.jcprg.org/exfor/>

Quantity code

ALF	Alpha	FY	Fission product yield
AMP	Length or amplitude	INT	Cross section integral over incident energy
CHG	Fragment charge	KE	Kinetic energy
CS	Cross section	KER	Kerma factor
CSN	Differential with respect to number of particles	MLT	Multiplicity
CSP	Partial cross section	NQ	Nuclear quantity
CST	Temperature dependent cross section	NU	Nu
D3A	Triple differential $d\Omega_1/d\Omega_2/dE'$	NUD	Nu delayed
D3E	Triple differential $d\Omega/dE'_1/dE'_2$	NUF	Fragment neutrons
D4A	Quadruple diff. $d\Omega_1/d\Omega_2/dE'_1/dE'_2$	POL	Polarization
DA	Differential $d/d\Omega$	POD	Differential polarization
DAA	Double differential $d\Omega_1/d\Omega_2$	PY	Product yield (other than fission)
DAE	Double differential $d\Omega/dE'$	RI	Resonance integral
DAP	Partial differential $d/d\Omega$	RP	Resonance parameter
DAT	Temperature-dependent Legendre coefficient	RR	Reaction rate
DE	Differential d/dE'	SIF	Self indication
DEP	Energy spectrum for specific group	SPC	Gamma spectrum
DP	Diff. by linear momentum of outgoing part.	TSL	Thermal scattering
DT	Diff. by 4-momentum transfer squared	TT	Thick target yield
ETA	Eta	TTD	Differential thick target yield, $d/d\Omega$
EVL	Evaluation	TT	Partial thick target yield

Special codes in outgoing particle field

abs	Absorption	fus	Fusion	non	Nonelastic	ths	Thermal scattering
el	Elastic	inel	Inelastic	sct	Scattering	tot	Total
f	Fission	incl	Inclusive	tcc	Total charge changing		

Special codes in incident energy field

Fast	Fast reactor spectrum average	Maxw	Maxwellian spectrum average
Fiss	Fission spectrum average	Spont	Spontaneous (for fission)

				0		Neutron		1			
Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
p,π^-	^2He	DA	2JPNOSA	3.9+08		Jour	PL/B,359,39		Oct 95	N.Matsuoka+	E1604

				1		Hydrogen		1			
Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
p,π^0	^2He	DA	2JPNOSA	3.9+08		Jour	PL/B,359,39		Oct 95	N.Matsuoka+	E1604
p,π^+	^2H	POD	2JPNLEP	4.9+08	8.2+08	Jour	NP/A,541,(3),443		May 92	H.Y.Yoshida+	E1636
d,el	^1H	DA	2JPNLEP	0.0+00		Jour	NP/A,481,(4),806		May 88	H.Kawai+	E1632
d,π^-+p+p	^1H	CS	2JPNKEK	0.0+00		Jour	NP/A,486,669		88	T.Tsuboyama+	E1634
t,el	^1H	DA	2JPNIPC	2.2+08		Jour	NP/A,617,45		97	A.A.Korshennikov+	E1683
$^6\text{He},\text{el}$	^1H	DA	2JPNIPC	4.3+08		Jour	NP/A,617,45		97	A.A.Korshennikov+	E1683
$^{11}\text{Li},n$	^{11}Be	DAE	2JPNIPC	7.0+08		Jour	PL/B,407,110		Aug 97	T.Teranishi+	E1670

				1		Hydrogen		2			
Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
$^{11}\text{Li},2n$	^{11}Be	DAE	2JPNIPC	7.0+08		Jour	PL/B,407,110		Aug 97	T.Teranishi+	E1670
$^{19}\text{Ne},n$	^{20}Na	CS	2BLGLEU	1.1+07		Jour	PRL,73,3066		94	R.D.Page+	D0087

				2		Helium		4			
Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
$\pi^+,n+X$	^1H	DA	2JPNLEP	0.0+00		Jour	PL/B,335,330		Sep 94	T.Nagae+	E1609
$\pi^+,p+X$	^1H	DA	2JPNLEP	0.0+00		Jour	PL/B,335,330		Sep 94	T.Nagae+	E1609
p,el	^4He	DT	2GERGSI	7.0+08		Jour	NP/A,712,247		02	S.R.Neumaier+	A0493
p,tot		CS	2GERGSI	7.0+08		Jour	NP/A,712,247		02	S.R.Neumaier+	A0493
α,el	^4He	DA	3SAFNAC	1.6+08	2.0+08	Jour	PR/C,54,2485		96	G.F.Steyn+	D0057
$\alpha,^3\text{He}$	^5He	DAP	3SAFNAC	1.6+08	2.0+08	Jour	PR/C,54,2485		96	G.F.Steyn+	D0057
α,t	^5Li	DAP	3SAFNAC	1.2+08	2.0+08	Jour	PR/C,57,1817		98	G.F.Steyn+	D0059
$^8\text{Li},n$	^{11}B	CS	2JPNIPC	1.5+06	6.5+06	Jour	PRL,68,(9),1283		Mar 92	R.N.Boyd+	E1644

				2		Helium		6			
Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
p,el	^6He	DT	2GERGSI	7.2+08		Jour	NP/A,712,247		02	S.R.Neumaier+	A0493
p,tot		CS	2GERGSI	7.2+08		Jour	NP/A,712,247		02	S.R.Neumaier+	A0493

2 Helium 8

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,el	^8He	DT	2GERGSI	6.8+08		Jour	NP/A,712,247	02	S.R.Neumaier+	A0493
p,tot		CS	2GERGSI	6.8+08		Jour	NP/A,712,247	02	S.R.Neumaier+	A0493

3 Lithium 6

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
π^-, Λ	incl	DA	2JPNLEP	0.0+00		Jour	PL/B,328,264	Jun 94	K.Tomizawa+	E1610
π^-, Λ	incl	POD	2JPNLEP	0.0+00		Jour	PL/B,328,264	Jun 94	K.Tomizawa+	E1610

3 Lithium 7

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
$^{12}\text{C}, fus$		CS	3AULCBR	3.7+06		Jour	PL/B,526,295	02	A.Mukherjee+	A0589

4 Beryllium 7

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,el	^7Be	DA	2BLGLEU	3.7+05	7.2+05	Jour	NP/A,716,211	03	C.Angulo+	A0495

4 Beryllium 9

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,x	^7Be	CS	2JPNTOK	1.5+07	4.8+07	Jour	JIN,38,1425	76	T.Inoue+	E1847
d,α	^7Li	DAP	2GERBOC	6.5+06	7.5+06	Jour	ZP/A,333,271	89	A.Szczurek+	F0588
d,el	^9Be	DA	2GERBOC	6.5+06	7.5+06	Jour	ZP/A,333,271	89	A.Szczurek+	F0588
$d,inel$	^9Be	DAP	2GERBOC	7.0+06		Jour	ZP/A,333,271	89	A.Szczurek+	F0588
d,p	^{10}Be	DAP	2GERBOC	6.5+06	7.5+06	Jour	ZP/A,333,271	89	A.Szczurek+	F0588
d,t	^8Be	DAP	2GERBOC	6.5+06	7.5+06	Jour	ZP/A,333,271	89	A.Szczurek+	F0588
$^{18}\text{O},n$	incl	DAP	3CPRIMP	9.0+08		Jour	NIM/A,404,349	98	Guishengli+	A0496
$^{18}\text{O},n$	incl	PY	3CPRIMP	9.0+08		Jour	NIM/A,404,349	98	Guishengli+	A0496
$^{19}\text{F}, fus$		CS	3BZLUSP	1.5+07	2.3+07	Jour	PL/B,534,45	02	R.M.Anjos+	A0554

5 Boron

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					

p,x	${}^7\text{Be}$	CS	2JPN TOK	1.7+05	4.9+07	Jour	JIN,38,1425	76	T.Inoue+	E1847
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Boron

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Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,γ	${}^{12}\text{C}$	DAP	2JPNOSA	5.0+07		Jour	PR/C,31,(1),242	Jan 85	M.Nomachi+	E1618
p,γ	${}^{12}\text{C}$	POD	2JPNOSA	5.0+07		Jour	PR/C,31,(1),242	Jan 85	M.Nomachi+	E1618
${}^7\text{Li},2\alpha$	${}^{10}\text{Be}$	CS	2GRCATH	3.1+06	1.2+07	Jour	EPJ/A,8,361	00	R.Vlastou+	A0584
${}^7\text{Li},2\alpha$	${}^{10}\text{Be}$	CSP	2GRCATH	3.1+06	1.1+07	Jour	EPJ/A,8,361	00	R.Vlastou+	A0584
${}^7\text{Li},2n$	${}^{16}\text{O}$	CS	2GRCATH	3.1+06	1.2+07	Jour	EPJ/A,8,361	00	R.Vlastou+	A0584
${}^7\text{Li},2n$	${}^{16}\text{O}$	CSP	2GRCATH	3.1+06	1.2+07	Jour	EPJ/A,8,361	00	R.Vlastou+	A0584
${}^7\text{Li},2n+\alpha$	${}^{12}\text{C}$	CS	2GRCATH	3.1+06	1.2+07	Jour	EPJ/A,8,361	00	R.Vlastou+	A0584
${}^7\text{Li},2n+\alpha$	${}^{12}\text{C}$	CSP	2GRCATH	3.1+06	1.2+07	Jour	EPJ/A,8,361	00	R.Vlastou+	A0584
${}^7\text{Li},2n+p$	${}^{15}\text{N}$	CS	2GRCATH	3.1+06	1.2+07	Jour	EPJ/A,8,361	00	R.Vlastou+	A0584
${}^7\text{Li},\alpha$	${}^{14}\text{C}$	CS	2GRCATH	3.1+06	1.2+07	Jour	EPJ/A,8,361	00	R.Vlastou+	A0584
${}^7\text{Li},\alpha$	${}^{14}\text{C}$	CSP	2GRCATH	3.1+06	1.2+07	Jour	EPJ/A,8,361	00	R.Vlastou+	A0584
${}^7\text{Li},\text{fus}$		CS	2GRCATH	3.1+06	1.2+07	Jour	EPJ/A,8,361	00	R.Vlastou+	A0584
${}^7\text{Li},n$	${}^{17}\text{O}$	CSP	2GRCATH	3.1+06	9.1+06	Jour	EPJ/A,8,361	00	R.Vlastou+	A0584
${}^7\text{Li},n+\alpha$	${}^{13}\text{C}$	CS	2GRCATH	3.1+06	1.2+07	Jour	EPJ/A,8,361	00	R.Vlastou+	A0584
${}^7\text{Li},n+\alpha$	${}^{13}\text{C}$	CSP	2GRCATH	3.1+06	1.2+07	Jour	EPJ/A,8,361	00	R.Vlastou+	A0584
${}^7\text{Li},n+p$	${}^{16}\text{N}$	CS	2GRCATH	3.1+06	1.2+07	Jour	EPJ/A,8,361	00	R.Vlastou+	A0584
${}^7\text{Li},p$	${}^{17}\text{N}$	CS	2GRCATH	3.1+06	1.2+07	Jour	EPJ/A,8,361	00	R.Vlastou+	A0584
${}^7\text{Li},p$	${}^{17}\text{N}$	CSP	2GRCATH	3.1+06	1.2+07	Jour	EPJ/A,8,361	00	R.Vlastou+	A0584
${}^7\text{Li},x$	${}^{15}\text{N}$	CSP	2GRCATH	3.1+06	1.2+07	Jour	EPJ/A,8,361	00	R.Vlastou+	A0584
${}^7\text{Li},x$	${}^{16}\text{N}$	CSP	2GRCATH	3.1+06	1.2+07	Jour	EPJ/A,8,361	00	R.Vlastou+	A0584

6

Carbon

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
α,x	${}^{11}\text{C}$	CS	2FR SAC	6.4+08	2.8+09	Jour	PR/C,26,2565	82	J.R.Radin+	A0558

6

Carbon

12

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
π^+,K^+	incl	CSP	2JPNLEP	0.0+00		Jour	PRL,74,(2),224	Jan 95	T.Hasegawa+	E1601
π^+,K^+	incl	DAE	2JPNLEP	0.0+00		Jour	PRL,74,(2),224	Jan 95	T.Hasegawa+	E1601
p,el	${}^{12}\text{C}$	DA	2PRTLFE	4.9+05	2.5+06	Jour	NIM/B,190,95	02	A.R.Ramos+	D0078
α,el	${}^{12}\text{C}$	DA	2GERMPH	1.3+07	2.9+07	Jour	NP/A,202,513	73	H.Oeschler+	F0339
α,el	${}^{12}\text{C}$	DA	2AUSKUL	2.1+03	4.7+03	Jour	NIM/B,190,100	02	I.Bogdanovicradovic+	D0079
α,el	${}^{12}\text{C}$	DA	4RUSTPI	2.7+07		Jour	YF,15,673	72	B.I.Kuznetsov+	F0505
${}^{14}\text{N},d$	${}^{24}\text{Mg}$	DAP	4RUSMOS	2.9+07		Jour	YF,62,(11),2019	99	S.B.Sakuta+	F0554
${}^{19}\text{F},\text{fus}$		CS	3BZLUSP	1.2+07	2.8+07	Jour	PL/B,534,45	02	R.M.Anjos+	A0554

6 Carbon 13

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>d,p</i>	¹⁴ C	CS	3SARDHA	3.5+05	2.0+05	Jour	PR/C,65,054615	02	A.A.Naqvi+	A0505
<i>d,p</i>	¹⁴ C	DA	3SARDHA	2.0+05	3.5+05	Jour	PR/C,65,054615	02	A.A.Naqvi+	A0505
<i>α,el</i>	¹³ C	DA	4RUSTPI	2.7+07		Jour	YF,15,673	72	B.I.Kuznetsov+	F0505

6 Carbon 14

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>α,el</i>	¹⁴ C	DA	2GERMPH	2.2+07	2.8+07	Jour	NP/A,202,513	73	H.Oeschler+	F0339

7 Nitrogen

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,x</i>	⁷ Be	CS	2JPNTOK	1.2+07	5.1+07	Jour	JIN,38,1425	76	T.Inoue+	E1847
<i>p,x</i>	¹¹ C	CS	2SWDUPP	5.1+07	1.7+08	Conf	97TRIEST,,1647	98	M.Fassbender+	D4133

7 Nitrogen 14

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,el</i>	¹⁴ N	DA	2PRTLFE	5.0+05	2.5+06	Jour	NIM/B,190,95	02	A.R.Ramos+	D0078
<i>p,n</i>	¹⁴ O	CS	2GERJUL	6.4+06	1.9+07	Jour	RCA,91,185	03	Z.Kovacs+	D4128
<i>p,n+p</i>	¹³ N	?	2GERJUL	1.1+07	1.9+07	Jour	RCA,91,185	03	Z.Kovacs+	D4128
<i>α,el</i>	¹⁴ N	DA	4RUSTPI	2.7+07		Jour	YF,15,673	72	B.I.Kuznetsov+	F0505

7 Nitrogen 15

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>α,el</i>	¹⁵ N	DA	2GERMPH	2.2+07	2.8+07	Jour	NP/A,202,513	73	H.Oeschler+	F0339

8 Oxygen 16

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,el</i>	¹⁶ O	DA	2PRTLFE	6.0+05	2.5+06	Jour	NIM/B,190,95	02	A.R.Ramos+	D0078
<i>p,x</i>	⁷ Be	CS	2JPNTOK	2.8+07	5.2+07	Jour	JIN,38,1425	76	T.Inoue+	E1847
<i>α,0</i>		RP	2UK MAN	0.0+00		Jour	NIM/B,12,331	85	R.A.Jarjis	F0454
<i>α,0</i>		RP	1USAWIS	0.0+00		Jour	PR/C,20,1648	79	J.H.Billen	T0236
<i>α,0</i>		RP	1USAWIS	0.0+00		Jour	PR/C,31,717	85	G.Caskey	T0237
<i>α,el</i>		RP	1USAWIS	0.0+00		Jour	PR/C,20,1648	79	J.H.Billen	T0236

α ,el	¹⁶ O	DA	2BLGPCL	1.3+07	1.5+07	Jour	PR/C,11,631	75	R.Ceuleneer+	F0404
α ,el	¹⁶ O	DA	1USAWIS	1.9+07	2.0+07	Jour	PR/C,20,1648	79	J.H.Billen	T0236
α ,el	¹⁶ O	DA	2JPNOSA	2.0+07	2.5+07	Jour	JPJ,30,56	71	M.Takeda+	F0441
α ,el	¹⁶ O	DA	2GERMPH	2.2+07	2.9+07	Jour	NP/A,202,513	73	H.Oeschler+	F0339
α ,el	¹⁶ O	DA	2UK MAN	2.5+06	3.6+06	Jour	NIM/B,12,331	85	R.A.Jarjis	F0454
α ,el	¹⁶ O	DA	3SAFNLP	2.5+07	3.2+07	Jour	PL/B,30,618	69	A.A.Cowley+	F0368
α ,el	¹⁶ O	DA	4RUSTPI	2.7+07		Jour	YF,15,673	72	B.I.Kuznetsov+	F0505
α ,el	¹⁶ O	DA	2UK MAN	3.0+06		Jour	NIM/B,12,331	85	R.A.Jarjis	F0454
α ,el	¹⁶ O	DA	4UKRIJI	3.0+06	3.1+06	Jour	NIM/B,83,311	93	V.I.Soroka+	F0125
α ,el	¹⁶ O	DA	2SWTBAS	4.4+06	4.9+06	Jour	HPA,54,439	80	Maurow.Buser	F0319
α ,el	¹⁶ O	DA	1USAWIS	9.2+06	1.3+07	Jour	PR/C,31,717	85	G.Caskey	T0237
α , ³ He	¹⁷ O	DAP	2JPNTOK	6.5+07		Jour	PR/C,46,(4),1242	Oct 92	M.Yasue+	E1650
α ,inel	¹⁶ O	CSP	1USAWIS	1.8+07	2.0+07	Jour	PR/C,20,1648	79	J.H.Billen	T0236
α ,inel	¹⁶ O	DAP	1USAWIS	1.2+07	1.3+07	Jour	PR/C,31,717	85	G.Caskey	T0237
α ,inel	¹⁶ O	DAP	1USAWIS	1.6+07	2.0+07	Jour	PR/C,20,1648	79	J.H.Billen	T0236
α ,n	¹⁹ Ne	CS	2GERKLN	1.5+07	2.7+07	Jour	ZP,262,271	73	W.Gruhle+	F0385
α ,t	¹⁷ F	DAP	2JPNTOK	6.5+07		Jour	PR/C,46,(4),1242	Oct 92	M.Yasue+	E1650
⁶ Li,el	¹⁶ O	DA	2GERGAR	1.6+06	5.0+06	Jour	NIM/B,207,263	03	M.Mayer+	A0521
⁶ Li,el	¹⁶ O	DA	2GERGAR	1.6+06	5.0+06	Jour	NIM/B,207,263	03	M.Mayer+	A0585
⁷ Li,el	¹⁶ O	DA	2GERGAR	2.5+06	6.0+06	Jour	NIM/B,207,263	03	M.Mayer+	A0521
⁷ Li,el	¹⁶ O	DA	2GERGAR	2.5+06	6.0+06	Jour	NIM/B,207,263	03	M.Mayer+	A0585
¹⁶ O,el	¹⁶ O	DA	2JPNJAE	1.2+08		Jour	PL/B,365,17	Jan 96	Y.Kondo+	E1613
¹⁶ O,el	¹⁶ O	DA	2JPNJAE	1.4+08		Jour	PL/B,312,35	93	Y.Sugiyama+	E1521
¹⁶ O,el	¹⁶ O	DA	2JPNJAE	1.4+08		Jour	PL/B,365,17	Jan 96	Y.Kondo+	E1613

8 Oxygen 17

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,n	¹⁷ F	DAP	2JPNTOH	3.5+07		Jour	NP/A,586,(1),20	Apr 95	M.Oura+	E1673
³ He, α	¹⁶ O	DA	3SAFNLP	7.0+06	1.0+07	Jour	PL/B,30,618	69	A.A.Cowley+	F0368
α , ³ He	¹⁸ O	DAP	2JPNTOK	6.4+07		Jour	PR/C,46,(4),1242	Oct 92	M.Yasue+	E1650
α ,t	¹⁸ F	DAP	2JPNTOK	6.4+07		Jour	PR/C,46,(4),1242	Oct 92	M.Yasue+	E1650

8 Oxygen 18

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,n	¹⁸ F	DAP	2JPNTOH	3.5+07		Jour	NP/A,586,(1),20	Apr 95	M.Oura+	E1673
α ,el	¹⁸ O	DA	2GERMPH	2.2+07	2.8+07	Jour	NP/A,202,513	73	H.Oeschler+	F0339
α , ³ He	¹⁹ O	DAP	2JPNTOK	6.4+07		Jour	PR/C,46,(4),1242	Oct 92	M.Yasue+	E1650
α ,t	¹⁹ F	DAP	2JPNTOK	6.4+07		Jour	PR/C,46,(4),1242	Oct 92	M.Yasue+	E1650

9 Fluorine 19

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,α	¹⁶ O	CS	2PRTFNL	8.7+05	1.4+06	Jour	NP/A,688,468	01	J.P.Ribeiro+	A0397
p ,el	¹⁹ F	DA	2PRTLFE	1.4+06	2.7+06	Jour	NIM/B,174,229	01	A.P.Jesus+	D0084
d,α	¹⁷ O	CSP	3ALGUAG	3.0+06		Jour	NP/A,191,368	72	S.Laribi+	D0062

d,α	^{17}O	DAP	3ALGUAG	3.0+06		Jour	NP/A,191,368	72	S.Laribi+	D0062
d,p	^{20}F	CSP	3ALGUAG	3.0+06		Jour	NP/A,191,368	72	S.Laribi+	D0062
d,p	^{20}F	DAP	3ALGUAG	3.0+06		Jour	NP/A,191,368	72	S.Laribi+	D0062

10 Neon

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
$^3\text{He},x$	^{22}Na	CS	2GERJUL	1.5+06	3.3+07	Conf	97TRiest,,1707	98	A.Fenyvesi+	D4134
α,x	^{22}Na	CS	2GERJUL	2.6+06	2.2+07	Conf	97TRiest,,1707	98	A.Fenyvesi+	D4134

10 Neon 19

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,γ		RP	2BLGLEU	4.5+05		Jour	PRL,73,3066	94	R.D.Page+	D0087

10 Neon 20

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
d,α	^{18}F	CS	2GERJUL	2.8+06	8.5+06	Conf	97TRiest,,1707	98	A.Fenyvesi+	D4134
$\alpha,0$		RP	1USAWIS	0.0+00		Jour	PR/C,43,2523	91	R.Abegg+	T0258
α,el	^{20}Ne	DA	3RUMCIP	1.3+07	1.5+07	Jour	RRP,15,1093	70	D.Bucurescu+	F0553
α,el	^{20}Ne	DA	2JPNOSA	2.0+07	2.5+07	Jour	JPJ,31,625	71	M.Takeda+	F0512
α,el	^{20}Ne	DA	3SAFNLP	2.5+07	3.2+07	Jour	NP/A,301,429	78	A.A.Cowley+	F0519
α,el	^{20}Ne	DA	1USAWIS	3.8+06	1.1+07	Jour	PR/C,43,2523	91	R.Abegg+	T0258
α,γ		RP	2GERIFS	0.0+00		Jour	NP/A,398,297	83	P.Schmalbrock+	F0513
$\alpha,inel$	^{20}Ne	DAP	3RUMCIP	1.4+07	1.5+07	Jour	RRP,15,1093	70	D.Bucurescu+	F0553
α,n	^{23}Mg	CS	2GERKLN	8.7+06	2.6+07	Jour	ZP,262,271	73	W.Gruhle+	F0385

10 Neon 22

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
α,el	^{22}Ne	DA	3SAFNLP	2.5+07	3.2+07	Jour	NP/A,301,429	78	A.A.Cowley+	F0519

11 Sodium 23

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,t	^{21}Na	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
d,α	^{21}Ne	DAP	3EGYCAI	1.5+06	2.5+06	Jour	NC,38,1082	65	A.Z.El-Behay+	D0080

12

Magnesium

24

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p</i> ,inel	²⁴ Mg	DAP	4RUSSUL	5.7+06	6.1+06	Jour	IZV,48,(5),972	84	O.B.Chubinskiy+	F0245
<i>p</i> , <i>t</i>	²² Mg	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
α ,el		RP	3HUNDEB	0.0+00		Jour	NP/A,385,43	82	J.Cseh+	F0590
α ,el	²⁴ Mg	DA	2GERMUU	1.5+07	1.9+07	Jour	NP/A,193,489	72	K.A.Eberhard+	F0628
α ,el	²⁴ Mg	DA	2JPNOSA	2.1+07	2.5+07	Jour	JPJ,31,625	71	M.Takeda+	F0512
α ,el	²⁴ Mg	DA	3HUNDEB	3.2+06	4.9+06	Jour	NP/A,385,43	82	J.Cseh+	F0590
α ,el	²⁴ Mg	DA	1USAWAU	5.9+06	6.2+06	Jour	NP/A,319,109	79	P.G.Ikossi+	T0252
α ,inel	²⁴ Mg	DAP	2GERMUU	1.5+07	1.9+07	Jour	NP/A,193,489	72	K.A.Eberhard+	F0628
α ,inel	²⁴ Mg	DAP	2NEDENT	2.0+07	2.2+07	Jour	PL/B,32,356	70	A.G.Drentje+	F0646

12

Magnesium

25

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p</i> , γ		RP	2NEDUTR	0.0+00		Jour	NP/A,459,61	86	P.M.Endt+	F0545
<i>p</i> , γ	²⁶ Al	DA	2NEDUTR	3.1+05	1.8+06	Jour	NP/A,459,61	86	P.M.Endt+	F0545
<i>p</i> ,inel		RP	2NEDUTR	0.0+00		Jour	NP/A,459,61	86	P.M.Endt+	F0545
<i>p</i> ,inel	²⁵ Mg	CSP	2NEDUTR	9.3+02	1.8+03	Jour	NP/A,459,61	86	P.M.Endt+	F0545
<i>p</i> ,inel	²⁵ Mg	DAP	2NEDUTR	9.8+05	1.8+06	Jour	NP/A,459,61	86	P.M.Endt+	F0545

12

Magnesium

26

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p</i> , <i>t</i>	²⁴ Mg	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
α ,el	²⁶ Mg	DA	2GERUEN	1.5+07	1.6+07	Jour	ZP,269,365	74	W.Wuhr+	F0617
α ,inel	²⁶ Mg	DAP	2GERUEN	1.5+07	1.6+07	Jour	ZP,269,365	74	W.Wuhr+	F0617

13

Aluminium

27

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p</i> , <i>d</i>	incl	DAE	2JPNLEP	0.0+00		Jour	PL/B,235,245	Feb 90	K.Tokushuku+	E1645
<i>p</i> ,el	²⁷ Al	DA	2PRTLFE	5.0+05	2.5+06	Jour	NIM/B,190,95	02	A.R.Ramos+	D0078
<i>p</i> , <i>p</i>	incl	DAE	2JPNLEP	0.0+00		Jour	PL/B,235,245	Feb 90	K.Tokushuku+	E1645
<i>p</i> , <i>t</i>	incl	CS	2JPNLEP	1.2+10		Jour	ARI,42,(6),577	91	M.Noguchi+	E1854
<i>p</i> , <i>t</i>	²⁵ Al	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
<i>p</i> , <i>x</i>	²⁴ Na	CS	2JPNLEP	1.2+10		Jour	JPJ,51,(10),3098	Oct 82	H.Hirabayashi+	E0962
<i>d</i> , <i>p</i> + α	²⁴ Na	CS	2UK HHL	1.3+07	1.5+07	Jour	NIM,106,231	73	I.A.Watson+	D0070
<i>d</i> , <i>x</i>	²² Na	CS	2GERKFK	2.1+07	5.0+07	Jour	RCA,12,212	69	A.Karpeles	D0073
<i>d</i> , <i>x</i>	²² Na	CS	1USABRK	3.0+07	1.9+08	Jour	PR,97,427	55	S.O.Ring+	T0087
α , <i>n</i>	incl	PY	3INDIND	3.0+07	5.0+07	Jour	PR/C,67,024607	03	D.Dhar+	A0490
⁶ Li,el	²⁷ Al	DA	2GERGAR	1.6+06	5.8+06	Jour	NIM/B,207,263	03	M.Mayer+	A0521
⁷ Li,el	²⁷ Al	DA	2GERGAR	2.5+06	6.0+06	Jour	NIM/B,207,263	03	M.Mayer+	A0521
⁹ Be,el	²⁷ Al	DA	3BZLUFF	1.2+07	4.0+07	Jour	PL/B,534,45	02	R.M.Anjos+	A0554
⁹ Be,fus		CS	3ARGCNE	2.5+07	4.1+07	Jour	PL/B,534,45	02	R.M.Anjos+	A0554

⁸⁴Kr,f Many CS 2JPNIPC 8.9+08 Jour PR/C,53,(2),997 Feb 96 K.Yuasa-Nakagawa+ E1626

14 Silicon

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,el</i>	^{nat} Si	DA	2PRTLFE	5.0+05	2.5+06	Jour	NIM/B,190,95	02	A.R.Ramos+	D0078

14 Silicon 28

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	²⁶ Si	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
<i>α,el</i>	²⁸ Si	DA	2GERUEN	1.5+07	1.6+07	Jour	ZP,269,365	74	W.Wuhr+	F0617
<i>α,el</i>	²⁸ Si	DA	1USAFSU	1.8+07		Jour	NP/A,191,137	72	C.E.Ahlfeld+	T0264
<i>α,inel</i>	²⁸ Si	DAP	2GERUEN	1.5+07	1.6+07	Jour	ZP,269,365	74	W.Wuhr+	F0617
<i>α,inel</i>	²⁸ Si	DAP	1USAFSU	1.8+07		Jour	NP/A,191,137	72	C.E.Ahlfeld+	T0264
²⁸ Si,el	²⁸ Si	DA	3INDIND	5.8+07	8.4+07	Jour	NP/A,634,284	98	Samitmandal+	A0534
²⁸ Si,inel	²⁸ Si	DAP	3INDIND	5.8+07	8.4+07	Jour	NP/A,634,284	98	Samitmandal+	A0534

14 Silicon 29

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,γ</i>		RP	3SAFPOT	0.0+00		Jour	NP/A,435,333	85	J.P.L.Reinecke+	F0558
<i>p,γ</i>	³⁰ P	DAP	3SAFPOT	3.2+08	2.2+09	Jour	NP/A,435,333	85	J.P.L.Reinecke+	F0558

14 Silicon 30

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	²⁸ Si	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
<i>α,el</i>	³⁰ Si	DA	2GERUEN	1.5+07	1.6+07	Jour	ZP,269,365	74	W.Wuhr+	F0617
<i>α,inel</i>	³⁰ Si	DAP	2GERUEN	1.5+07	1.6+07	Jour	ZP,269,365	74	W.Wuhr+	F0617

17 Chlorine

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,x</i>	²² Na	CS	2SWDUPP	6.4+07	2.5+08	Conf	97TRIST,,1647	98	M.Fassbender+	D4133

17

Chlorine

35

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	³³ Cl	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

17

Chlorine

37

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,α</i>	³⁴ S	RR	3AULAML	Maxwl		Jour	NP/A,439,176	85	R.O.Weber+	A0309
<i>p,n</i>	³⁷ Ar	RR	3AULAML	Maxwl		Jour	NP/A,439,176	85	R.O.Weber+	A0309
<i>p,t</i>	³⁵ Cl	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

18

Argon

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,tot</i>		CS	4ZZZDUB	5.2+00	3.0+04	Conf	2001DUBNA,,70	May 01	T.I.Enik+	41422

18

Argon

40

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>α,el</i>	⁴⁰ Ar	DA	3RUMCIP	1.4+07	1.7+07	Jour	RRP,15,1093	70	D.Bucurescu+	F0553
<i>α,inel</i>	⁴⁰ Ar	DAP	3RUMCIP	1.4+07	1.7+07	Jour	RRP,15,1093	70	D.Bucurescu+	F0553

20

Calcium

40

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,0</i>		RP	2NEDUTR	0.0+00		Jour	NP/A,466,280	87	F.Zijderhand+	F0265
<i>p,γ</i>	⁴¹ Sc	DAP	2NEDUTR	2.7+06	3.2+06	Jour	NP/A,466,280	87	F.Zijderhand+	F0265
<i>p,t</i>	³⁸ Ca	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
<i>d,p</i>	⁴¹ Ca	DAP	2JPNOSA	5.6+07		Jour	PR/C,50,(1),263	Jul 94	Y.Uozumi+	E1690
<i>d,p</i>	⁴¹ Ca	POD	2JPNOSA	5.6+07		Jour	PR/C,50,(1),263	Jul 94	Y.Uozumi+	E1690
<i>α,el</i>	⁴⁰ Ca	DA	3INDTRM	4.3+06	5.7+06	Jour	ZP/A,317,209	84	A.Chatterjee+	F0640
<i>α,el</i>	⁴⁰ Ca	DA	3SAFWIT	5.0+06	8.9+06	Jour	JP/G,13,1129	87	J.P.F.Sellschop+	F0609
<i>α,el</i>	⁴⁰ Ca	DA	3SAFWIT	8.4+06	8.7+06	Jour	SAJ,1,202	78	J.P.F.Sellschop+	F0610
<i>α,γ</i>		RP	3INDTRM	0.0+00		Jour	ZP/A,317,209	84	A.Chatterjee+	F0640

20

Calcium

44

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	⁴² Ca	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

22 Titanium 46

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	⁴⁴ Ti	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
<i>α,n</i>	incl	PY	3INDIND	3.0+07	5.0+07	Jour	PR/C,67,024607	03	D.Dhar+	A0490

22 Titanium 48

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	⁴⁶ Ti	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
<i>α,n</i>	⁵¹ Cr	CS	3AULAML	5.0+06	9.5+06	Jour	NP/A,537,167	92	A.J.Morton+	D0061
<i>α,n</i>	⁵¹ Cr	RR	3AULAML	0.0+00		Jour	NP/A,537,167	92	A.J.Morton+	D0061
<i>α,p</i>	⁵¹ V	CSP	3AULAML	5.5+06	9.0+06	Jour	NP/A,537,167	92	A.J.Morton+	D0061
<i>α,p</i>	⁵¹ V	RR	3AULAML	0.0+00		Jour	NP/A,537,167	92	A.J.Morton+	D0061

22 Titanium 50

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	⁴⁸ Ti	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

23 Vanadium 51

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	⁴⁹ V	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
<i>d,x</i>	⁴¹ Ar	CS	2GERJUL	3.9+07	9.0+07	Jour	RCA,35,11	84	S.M.Qaim+	D0060
<i>d,x</i>	⁴² K	CS	2GERJUL	5.4+07	9.0+07	Jour	RCA,35,11	84	S.M.Qaim+	D0060
<i>d,x</i>	⁴³ K	CS	2GERJUL	4.4+07	9.0+07	Jour	RCA,35,11	84	S.M.Qaim+	D0060
<i>d,x</i>	⁴⁷ Ca	CS	2GERJUL	3.1+07	9.0+07	Jour	RCA,35,11	84	S.M.Qaim+	D0060
<i>d,x</i>	⁴⁴ Sc	CS	2GERJUL	4.9+07	9.0+07	Jour	RCA,35,11	84	S.M.Qaim+	D0060
<i>d,x</i>	⁴⁶ Sc	CS	2GERJUL	3.5+07	8.9+07	Jour	RCA,35,11	84	S.M.Qaim+	D0060
<i>d,x</i>	⁴⁷ Sc	CS	2GERJUL	2.6+07	8.9+07	Jour	RCA,35,11	84	S.M.Qaim+	D0060
<i>d,x</i>	⁴⁸ Sc	CS	2GERJUL	1.6+07	9.0+07	Jour	RCA,35,11	84	S.M.Qaim+	D0060
<i>d,x</i>	⁴⁸ V	CS	2GERJUL	3.1+07	9.0+07	Jour	RCA,35,11	84	S.M.Qaim+	D0060

25 Manganese 55

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>α,n</i>	⁵⁸ Co	CS	3AULAML	5.0+06	1.0+07	Jour	NP/A,563,473	93	S.G.Tims+	D0063
<i>α,n</i>	⁵⁸ Co	CS	2GERJUL	7.1+06	2.5+07	Jour	PR/C,53,2885	96	S.Sudar+	D4130
<i>α,n</i>	⁵⁸ Co	RR	3AULAML	0.0+00		Jour	NP/A,563,473	93	S.G.Tims+	D0063

α,p	^{58}Fe	CSP	3AULAML	5.1+06	1.0+07	Jour	NP/A,563,473	93	S.G.Tims+	D0063
α,p	^{58}Fe	RR	3AULAML	0.0+00		Jour	NP/A,563,473	93	S.G.Tims+	D0063

26 Iron

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
d,x	^{51}Cr	CS	1USAORL	1.6+07	3.8+07	Jour	PR,179,1104	69	J.W.Clark+	T0199
d,x	^{52}Mn	CS	1USAORL	5.2+06	3.9+07	Jour	PR,179,1104	69	J.W.Clark+	T0199
d,x	^{54}Mn	CS	1USAORL	5.2+06	3.9+07	Jour	PR,179,1104	69	J.W.Clark+	T0199
d,x	^{56}Mn	CS	1USAORL	5.2+06	3.8+07	Jour	PR,179,1104	69	J.W.Clark+	T0199
d,x	^{55}Co	CS	1USAORL	5.2+06	3.8+07	Jour	PR,179,1104	69	J.W.Clark+	T0199
d,x	^{56}Co	CS	1USAORL	8.7+06	3.8+07	Jour	PR,179,1104	69	J.W.Clark+	T0199
d,x	^{57}Co	CS	1USAORL	5.2+06	3.8+07	Jour	PR,179,1104	69	J.W.Clark+	T0199
d,x	^{58}Co	CS	2GERJUL	3.7+06	1.3+07	Jour	PR/C,53,2885	96	S.Sudar+	D4130
d,x	^{58}Co	CS	1USAORL	5.1+06	3.0+07	Jour	PR,179,1104	69	J.W.Clark+	T0199
α,x	^{55}Co	CS	2BLGVUB	1.7+07	4.3+07	Jour	NIM/B,207,381	03	F.Tarkanyi+	D4120
α,x	^{57}Co	CS	2BLGVUB	4.8+06	4.3+07	Jour	NIM/B,207,381	03	F.Tarkanyi+	D4120
α,x	^{61}Co	CS	2BLGVUB	4.8+06	4.3+07	Jour	NIM/B,207,381	03	F.Tarkanyi+	D4120
α,x	^{56}Ni	CS	2BLGVUB	4.5+06	4.3+07	Jour	NIM/B,207,381	03	F.Tarkanyi+	D4120

26 Iron 54

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,t	^{52}Fe	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
d,α	^{52}Mn	CS	2GERJUL	4.6+06	1.4+07	Jour	RCA,91,105	03	M.R.Zaman+	D4137
d,n	^{55}Co	CS	2GERJUL	3.8+06	1.3+07	Jour	RCA,75,59	96	M.R.Zaman+	D4131
d,n	^{55}Co	TT	2GERJUL	5.0+06		Jour	RCA,91,105	03	M.R.Zaman+	D4137
$^{15}\text{N,fus}$		CS	2JPNTIT	2.5+07	3.6+07	Jour	NP/A,556,(2),307	93	H.Funaki+	E1640
$^{16}\text{O,fus}$		CS	2JPNTIT	2.8+07	4.0+07	Jour	NP/A,556,(2),307	93	H.Funaki+	E1640
$^{19}\text{F,fus}$		CS	2JPNTIT	3.1+07	4.1+07	Jour	NP/A,556,(2),307	93	H.Funaki+	E1640

26 Iron 56

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,el	^{56}Fe	DA	2JPNOSA	6.5+07	4.0+08	Jour	PR/C,53,(6),2718	Jun 96	R.Deleo+	E1686
p,el	^{56}Fe	POD	2JPNOSA	6.5+07	4.0+08	Jour	PR/C,53,(6),2718	Jun 96	R.Deleo+	E1686
$p,inel$	^{56}Fe	DAP	2JPNOSA	6.5+07	4.0+08	Jour	PR/C,53,(6),2718	Jun 96	R.Deleo+	E1686
$p,inel$	^{56}Fe	POD	2JPNOSA	6.5+07	4.0+08	Jour	PR/C,53,(6),2718	Jun 96	R.Deleo+	E1686
p,t	^{54}Fe	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
d,el	^{56}Fe	DA	2JPNOSA	5.6+07		Jour	PR/C,53,(6),2718	Jun 96	R.Deleo+	E1686
$d,inel$	^{56}Fe	DAP	2JPNOSA	5.6+07		Jour	PR/C,53,(6),2718	Jun 96	R.Deleo+	E1686
$^{15}\text{N,fus}$		CS	2JPNTIT	2.5+07	3.6+07	Jour	NP/A,556,(2),307	93	H.Funaki+	E1640
$^{16}\text{O,fus}$		CS	2JPNTIT	2.8+07	4.0+07	Jour	NP/A,556,(2),307	93	H.Funaki+	E1640
$^{19}\text{F,fus}$		CS	2JPNTIT	3.1+07	4.2+07	Jour	NP/A,556,(2),307	93	H.Funaki+	E1640

26

Iron

57

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,n</i>	⁵⁷ Co	CS	3AULAML	3.1+06	4.9+06	Jour	NP/A,563,473	93	S.G.Tims+	D0063
<i>p,n</i>	⁵⁷ Co	RR	3AULAML	0.0+00		Jour	NP/A,563,473	93	S.G.Tims+	D0063

26

Iron

58

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,γ</i>	⁵⁹ Co	CS	3AULAML	7.4+05	4.6+06	Jour	NP/A,563,473	93	S.G.Tims+	D0063
<i>p,γ</i>	⁵⁹ Co	RR	3AULAML	0.0+00		Jour	NP/A,563,473	93	S.G.Tims+	D0063
<i>p,n</i>	⁵⁸ Co	CS	3AULAML	3.1+06	4.9+06	Jour	NP/A,563,473	93	S.G.Tims+	D0063
<i>p,n</i>	⁵⁸ Co	CS	2GERJUL	3.5+06	1.4+07	Jour	PR/C,53,2885	96	S.Sudar+	D4130
<i>p,n</i>	⁵⁸ Co	RR	3AULAML	0.0+00		Jour	NP/A,563,473	93	S.G.Tims+	D0063

27

Cobalt

59

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,2n</i>	⁵⁸ Co	CS	2GERJUL	1.1+07	1.3+07	Jour	PR/C,53,2885	96	S.Sudar+	D4130
<i>p,t</i>	incl	CS	2JPNLEP	1.2+10		Jour	ARI,42,(6),577	91	M.Noguchi+	E1854
<i>α,n</i>	⁶² Cu	CS	3AULAML	5.5+06	9.8+06	Jour	NP/A,483,354	88	S.G.Tims+	D0064
<i>α,n</i>	⁶² Cu	RR	3AULAML	0.0+00		Jour	NP/A,483,354	88	S.G.Tims+	D0064
<i>α,p</i>	⁶² Ni	CSP	3AULAML	5.1+06	9.4+06	Jour	NP/A,483,354	88	S.G.Tims+	D0064
<i>α,p</i>	⁶² Ni	RR	3AULAML	0.0+00		Jour	NP/A,483,354	88	S.G.Tims+	D0064
⁶ Li,2n+p	⁶² Cu	CS	3BZLUSP	1.1+07	2.3+07	Jour	PR/C,67,054602	May 03	C.Beck+	A0520
⁶ Li,3n	⁶² Zn	CS	3BZLUSP	1.1+07	2.3+07	Jour	PR/C,67,054602	May 03	C.Beck+	A0520
⁶ Li,fus		CS	3BZLUSP	1.2+07	2.6+07	Jour	PR/C,67,054602	May 03	C.Beck+	A0520
⁶ Li,n+α	⁶⁰ Ni	CS	3BZLUSP	1.1+07	2.3+07	Jour	PR/C,67,054602	May 03	C.Beck+	A0520
⁶ Li,n+p	⁶³ Cu	?	3BZLUSP	1.1+07	2.3+07	Jour	PR/C,67,054602	May 03	C.Beck+	A0520
⁶ Li,p	⁶⁴ Cu	?	3BZLUSP	1.0+07	2.3+07	Jour	PR/C,67,054602	May 03	C.Beck+	A0520
⁷ Li,2n	⁶⁴ Zn	CS	3BZLUSP	1.1+07	2.3+07	Jour	PR/C,67,054602	May 03	C.Beck+	A0520
⁷ Li,2n+α	⁶⁰ Ni	CS	3BZLUSP	1.1+07	2.3+07	Jour	PR/C,67,054602	May 03	C.Beck+	A0520
⁷ Li,2n+p	⁶³ Cu	?	3BZLUSP	1.1+07	2.3+07	Jour	PR/C,67,054602	May 03	C.Beck+	A0520
⁷ Li,3n+p	⁶² Cu	CS	3BZLUSP	1.1+07	2.3+07	Jour	PR/C,67,054602	May 03	C.Beck+	A0520
⁷ Li,fus		CS	3BZLUSP	1.2+07	2.6+07	Jour	PR/C,67,054602	May 03	C.Beck+	A0520
⁷ Li,n+α	⁶¹ Ni	CS	3BZLUSP	1.1+07	2.3+07	Jour	PR/C,67,054602	May 03	C.Beck+	A0520
⁷ Li,n+p	⁶⁴ Cu	?	3BZLUSP	1.1+07	2.3+07	Jour	PR/C,67,054602	May 03	C.Beck+	A0520

28

Nickel

58

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	⁵⁶ Ni	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
<i>d,n</i>	⁵⁹ Cu	CS	2BLGLEU	4.0+06	1.2+07	Jour	NP/A,99,686	67	M.Cogneau+	D0076
<i>d,t</i>	⁵⁷ Ni	CS	2BLGLEU	5.9+06	1.2+07	Jour	NP/A,99,686	67	M.Cogneau+	D0076

28

Nickel

60

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,p</i>	incl	DAE	2JPNKYU	1.8+07		Jour	ZP/A,336,63	90	Y.Watanabe+	E1844
<i>p,p</i>	incl	DE	2JPNKYU	1.8+07		Jour	ZP/A,336,63	90	Y.Watanabe+	E1844
<i>p,t</i>	⁵⁸ Ni	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
<i>d,n</i>	⁶¹ Cu	CS	2BLGLEU	4.0+06	1.2+07	Jour	NP/A,99,686	67	M.Cogneau+	D0076
⁵⁸ Ni,eI	⁶⁰ Ni	DA	2JPNJAE	1.0+08	1.3+08	Jour	PR/C,55,(1),5	Jan 97	Y.Sugiyama+	E1661

28

Nickel

61

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>d,n</i>	⁶² Cu	CS	2BLGLEU	4.0+06	1.2+07	Jour	NP/A,99,686	67	M.Cogneau+	D0076

28

Nickel

62

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,2n</i>	⁶¹ Cu	CS	2GERJUL	1.4+07	1.8+07	Jour	RCA,57,1	92	H.Piel+	D0056
<i>p,d</i>	⁶¹ Ni	DAP	2JPNOSA	6.5+07		Jour	PR/C,53,(4),1792	Apr 96	M.Matoba+	E1685
<i>p,d</i>	⁶¹ Ni	POD	2JPNOSA	6.5+07		Jour	PR/C,53,(4),1792	Apr 96	M.Matoba+	E1685
<i>p,n</i>	⁶² Cu	CS	2GERJUL	5.2+06	1.8+07	Jour	RCA,57,1	92	H.Piel+	D0056
<i>p,t</i>	⁶⁰ Ni	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
<i>d,2n</i>	⁶² Cu	CS	2BLGLEU	8.7+06	1.2+07	Jour	NP/A,99,686	67	M.Cogneau+	D0076
⁶⁴ Ni,eI	⁶² Ni	DA	2JPNJAE	1.2+08		Jour	PR/C,55,(1),5	Jan 97	Y.Sugiyama+	E1661

29

Copper

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	incl	CS	2JPNLEP	1.2+10		Jour	ARI,42,(6),577	91	M.Noguchi+	E1854
<i>p,x</i>	⁶⁰ Zn	CS	2JPNTOK	4.7+07		Jour	NIM,134,93	76	Y.Yoshizawa+	D0075
<i>p,x</i>	⁶¹ Zn	CS	2JPNTOK	3.0+07	4.7+07	Jour	NIM,134,93	76	Y.Yoshizawa+	D0075
<i>p,x</i>	⁶³ Zn	CS	2JPNTOK	2.5+07	5.2+07	Jour	NIM,134,93	76	Y.Yoshizawa+	D0075
⁷ Li,x	Many	CS	4ZZDUB	2.4+08		Conf	2002MOSCOW,,198	02	N.A.Demekhina+	A0463
¹⁸ O,n	incl	DAP	3CPRIMP	9.0+08		Jour	NIM/A,404,349	98	Guishengli+	A0496
¹⁸ O,n	incl	PY	3CPRIMP	9.0+08		Jour	NIM/A,404,349	98	Guishengli+	A0496

29

Copper

63

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,inel</i>	⁶³ Cu	?	4KASKAZ	1.0+06		Jour	IZV,65,(1),117	01	Yu.G.Kosyak+	41413
<i>p,t</i>	⁶¹ Cu	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

29

Copper

65

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
$n,inel$	^{65}Cu	?	4KASKAZ	1.0+06		Jour	IZV,64,(3),402	00	Yu.G.Kosyak+	41412
p,t	^{63}Cu	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
$\alpha,2n$	^{67}Ga	CS	2UK HHL	2.6+07		Jour	NIM,106,231	73	I.A.Watson+	D0070

30

Zinc

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
d,x	^{64}Cu	CS	2GERJUL	8.9+06	1.3+07	Jour	ARI,59,343	03	K.Hilgers+	D0069

30

Zinc

64

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,t	^{62}Zn	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

30

Zinc

66

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,t	^{64}Zn	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
d,α	^{64}Cu	CS	2GERJUL	5.4+06	1.4+07	Jour	ARI,59,343	03	K.Hilgers+	D0069

30

Zinc

68

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
$p,n+\alpha$	^{64}Cu	CS	2GERJUL	8.5+06	4.5+07	Jour	ARI,59,343	03	K.Hilgers+	D0069
p,t	^{66}Zn	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

31

Gallium

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
d,x	^{65}Zn	CS	2GERKFK	1.4+07	5.0+07	Jour	RCA,12,212	69	A.Karpeles	D0073
d,x	^{68}Ge	CS	2GERKFK	1.4+07	5.0+07	Jour	RCA,12,212	69	A.Karpeles	D0073

32

Germanium

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
$^3\text{He},x$	^{72}Se	CS	2GERJUL	1.3+07	3.6+07	Jour	RCA,50,27	90	A.Mushtaqa+	D0058
$^3\text{He},x$	^{73}Se	CS	2GERJUL	1.3+07	3.6+07	Jour	RCA,50,27	90	A.Mushtaqa+	D0058
$^3\text{He},x$	^{75}Se	CS	2GERJUL	1.3+07	3.6+07	Jour	RCA,50,27	90	A.Mushtaqa+	D0058
α,x	^{72}Se	CS	2GERJUL	2.0+07	2.8+07	Jour	RCA,50,27	90	A.Mushtaqa+	D0058
α,x	^{73}Se	CS	2GERJUL	9.3+06	2.8+07	Jour	RCA,50,27	90	A.Mushtaqa+	D0058
α,x	^{75}Se	CS	2GERJUL	1.2+07	2.8+07	Jour	RCA,50,27	90	A.Mushtaqa+	D0058

32

Germanium

70

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
α,n	^{73}Se	TT	2GERJUL	1.0+07		Jour	ARI,43,455	92	G.Blessing+	D0085

32

Germanium

74

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{75}Ge	CS	4ZZZDUB	Maxwl		Jour	IZV,65,(1),111	01	Yu.P.Gangrskiy+	41414

34

Selenium

76

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
$p,2n$	^{75}Br	CS	2GERJUL	1.6+07	4.0+07	Jour	ARI,36,635	85	Z.Kovacs+	D0083
$p,2n+\alpha$	^{71}As	CS	2GERJUL	3.0+07	4.0+07	Jour	ARI,36,635	85	Z.Kovacs+	D0083
$p,3n$	^{74}Br	CS	2GERJUL	3.2+07	4.0+07	Jour	ARI,36,635	85	Z.Kovacs+	D0083
p,α	^{73}As	CS	2GERJUL	1.0+07	4.0+07	Jour	ARI,36,635	85	Z.Kovacs+	D0083
p,n	^{76}Br	CS	2GERJUL	7.7+06	4.0+07	Jour	ARI,36,635	85	Z.Kovacs+	D0083
$p,n+\alpha$	^{72}As	CS	2GERJUL	2.0+07	4.0+07	Jour	ARI,36,635	85	Z.Kovacs+	D0083
$p,n+p$	^{75}Se	CS	2GERJUL	1.3+07	4.0+07	Jour	ARI,36,635	85	Z.Kovacs+	D0083
p,t	^{74}Se	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
p,x	^{74}As	CS	2GERJUL	2.9+07	4.0+07	Jour	ARI,36,635	85	Z.Kovacs+	D0083

34

Selenium

78

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,t	^{76}Se	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

34

Selenium

80

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{81}Se	CS	4ZZZDUB	Maxwl		Jour	IZV,65,(1),111	01	Yu.P.Gangrskiy+	41414
p,t	^{78}Se	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

34

Selenium

82

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,t	^{80}Se	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

35

Bromine

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
d,x	^{75}Kr	CS	2GERJUL	6.0+07	8.5+07	Jour	ARI,32,823	81	S.M.Qaim+	D0082

36

Krypton

82

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
$^3\text{He},2n$	^{83}Sr	TT	2GERJUL	2.5+07	1.0+07	Jour	ARI,56,685	02	S.Kastleiner+	D4127

37

Rubidium

85

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
$p,3n$	^{83}Sr	CS	2GERJUL	2.1+07	1.0+08	Jour	ARI,56,685	02	S.Kastleiner+	D4127
$p,3n$	^{83}Sr	TT	2GERJUL	3.0+07	3.5+07	Jour	ARI,56,685	02	S.Kastleiner+	D4127
$p,4n$	^{82}Sr	TT	2GERJUL	4.0+07		Jour	ARI,56,685	02	S.Kastleiner+	D4127
$p,5n$	^{81}Sr	CS	2GERJUL	5.6+07	1.0+08	Jour	ARI,56,685	02	S.Kastleiner+	D4127
p,x	^{85}Sr	CS	2GERJUL	3.1+06	9.4+07	Jour	ARI,56,685	02	S.Kastleiner+	D4127

38

Strontium

84

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{85}Sr	CS	4ZZZDUB	Maxwl		Jour	IZV,65,(1),111	01	Yu.P.Gangrskiy+	41414

39

Yttrium

89

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
$\alpha, 2n+\alpha$	^{87}Y	CS	3INDVEC	3.0+07	4.7+07	Jour	PS,61,550	00	N.L.Singh+	D0067
$\alpha, 3n$	^{90}Nb	CS	3INDVEC	2.8+07	4.7+07	Jour	PS,61,550	00	N.L.Singh+	D0067
$\alpha, 4n$	^{89}Nb	?	3INDVEC	3.4+07	4.7+07	Jour	PS,61,550	00	N.L.Singh+	D0067
$\alpha, n+\alpha$	^{88}Y	CS	3INDVEC	2.8+07	4.7+07	Jour	PS,61,550	00	N.L.Singh+	D0067
$^{32}\text{S}, \text{fus}$		CS	3AULCBR	7.3+07	9.1+07	Jour	PR/C,66,034607	02	A.Mukherjee+	A0588
$^{32}\text{S}, \text{fus}$		DA	3AULCBR	1.2+08		Jour	PR/C,66,034607	02	A.Mukherjee+	A0588
$^{34}\text{S}, \text{fus}$		CS	3AULCBR	7.2+07	9.1+07	Jour	PR/C,66,034607	02	A.Mukherjee+	A0588
$^{34}\text{S}, \text{fus}$		DA	3AULCBR	1.2+08		Jour	PR/C,66,034607	02	A.Mukherjee+	A0588

40

Zirconium

90

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p, α	incl	DAE	2JPNKYU	1.8+07		Jour	PR/C,35,(2),467	Feb 87	I.Kumabe+	E1841
p, α	incl	DE	2JPNKYU	1.8+07		Jour	PR/C,35,(2),467	Feb 87	I.Kumabe+	E1841
p, el	^{90}Zr	POD	2JPNKYU	5.6+06	6.0+06	Jour	PL/B,336,303	Sep 94	K.Kimura+	E1608
p, p	incl	DAE	2JPNKYU	1.8+07		Jour	PR/C,36,(4),1325	Oct 87	Y.Watanabe+	E1842
p, p	incl	DE	2JPNKYU	1.8+07		Jour	PR/C,36,(4),1325	Oct 87	Y.Watanabe+	E1842
p, t	^{88}Zr	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

40

Zirconium

92

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p, t	^{90}Zr	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

40

Zirconium

94

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p, t	^{92}Zr	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

40

Zirconium

96

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p, t	^{94}Zr	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

41

Niobium

93

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					

<i>n</i> ,sct	⁹³ Nb	SIF	4ZZZDUB	1.0+05	2.2+02	Jour	YK,2002,(1-2),50	02	Yu.V.Grigoriev+	41426
<i>n</i> ,tot		CS	4ZZZDUB	1.0+05	1.0+02	Jour	YK,2002,(1-2),50	02	Yu.V.Grigoriev+	41426
<i>p</i> , α	incl	DAE	2JPNKYU	1.5+07	1.8+07	Jour	PR/C,35,(2),467	Feb 87	I.Kumabe+	E1841
<i>p</i> , α	incl	DE	2JPNKYU	1.5+07	1.8+07	Jour	PR/C,35,(2),467	Feb 87	I.Kumabe+	E1841
<i>p</i> , <i>n</i>	incl	DAE	2JPNOSA	6.5+07		Jour	PL/B,133,(6),375	Dec 83	H.Sakai+	E0815
<i>p</i> , <i>n</i>	incl	POD	2JPNOSA	6.5+07		Jour	PL/B,133,(6),375	Dec 83	H.Sakai+	E0815
<i>p</i> , <i>p</i>	incl	DAE	2JPNKYU	1.8+07		Jour	PR/C,36,(4),1325	Oct 87	Y.Watanabe+	E1842
<i>p</i> , <i>p</i>	incl	DE	2JPNKYU	1.8+07		Jour	PR/C,36,(4),1325	Oct 87	Y.Watanabe+	E1842
<i>p</i> , <i>t</i>	incl	CS	2JPNLEP	1.2+10		Jour	ARI,42,(6),577	91	M.Noguchi+	E1854
³ He, <i>x</i>	⁹³ Mo	CS	2GERJUL	0.0+00		Jour	PR/C,56,2654	97	B.Strohmaier+	D4129
α ,2 <i>n</i>	⁹⁵ Tc	CS	3INDVEC	1.6+07	3.8+07	Jour	CHP,39,336	01	R.K.Y.Singh+	A0456
α ,3 <i>n</i>	⁹⁴ Tc	CS	3INDVEC	2.5+07	3.8+07	Jour	CHP,39,336	01	R.K.Y.Singh+	A0456
α , <i>n</i>	⁹⁶ Tc	CS	3INDVEC	7.0+06	3.8+07	Jour	CHP,39,336	01	R.K.Y.Singh+	A0456
α , <i>x</i>	⁹² Nb	CS	3INDVEC	2.2+07	3.8+07	Jour	CHP,39,336	01	R.K.Y.Singh+	A0456

42 Molybdenum

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max					
<i>n</i> ,sct	^{nat} Mo	SIF	4ZZZDUB	1.0+05	2.2+02	Jour	YK,2002,(1-2),50	02	Yu.V.Grigoriev+	41426
<i>n</i> ,tot		CS	4ZZZDUB	1.0+05	1.0+02	Jour	YK,2002,(1-2),50	02	Yu.V.Grigoriev+	41426

42 Molybdenum 92

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max					
<i>p</i> , α	incl	DAE	2JPNKYU	1.5+07	1.8+07	Jour	PR/C,35,(2),467	Feb 87	I.Kumabe+	E1841
<i>p</i> , α	incl	DE	2JPNKYU	1.5+07	1.8+07	Jour	PR/C,35,(2),467	Feb 87	I.Kumabe+	E1841
<i>p</i> , <i>p</i>	incl	DAE	2JPNKYU	1.8+07		Jour	PR/C,36,(4),1325	Oct 87	Y.Watanabe+	E1842
<i>p</i> , <i>p</i>	incl	DE	2JPNKYU	1.8+07		Jour	PR/C,36,(4),1325	Oct 87	Y.Watanabe+	E1842
<i>p</i> , <i>t</i>	⁹⁰ Mo	DAP	2JPNOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

42 Molybdenum 94

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max					
<i>p</i> , α	incl	DAE	2JPNKYU	1.5+07	1.8+07	Jour	PR/C,35,(2),467	Feb 87	I.Kumabe+	E1841
<i>p</i> , α	incl	DE	2JPNKYU	1.5+07	1.8+07	Jour	PR/C,35,(2),467	Feb 87	I.Kumabe+	E1841
<i>p</i> , <i>d</i>	⁹³ Mo	DAP	2JPNOK	5.2+07		Jour	NP/A,185,(1),273	Apr 72	T.Ishimatsu+	E1849
<i>p</i> , <i>p</i>	incl	DAE	2JPNKYU	1.8+07		Jour	PR/C,36,(4),1325	Oct 87	Y.Watanabe+	E1842
<i>p</i> , <i>p</i>	incl	DE	2JPNKYU	1.8+07		Jour	PR/C,36,(4),1325	Oct 87	Y.Watanabe+	E1842

42 Molybdenum 96

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max					
<i>p</i> , α	incl	DAE	2JPNKYU	1.8+07		Jour	PR/C,35,(2),467	Feb 87	I.Kumabe+	E1841
<i>p</i> , α	incl	DE	2JPNKYU	1.8+07		Jour	PR/C,35,(2),467	Feb 87	I.Kumabe+	E1841

<i>p,p</i>	incl	DAE	2JPNKYU	1.8+07		Jour	PR/C,36,(4),1325	Oct 87	Y.Watanabe+	E1842
<i>p,p</i>	incl	DE	2JPNKYU	1.8+07		Jour	PR/C,36,(4),1325	Oct 87	Y.Watanabe+	E1842
<i>p,t</i>	⁹⁴ Mo	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

42 Molybdenum 98

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,α</i>	incl	DAE	2JPNKYU	1.8+07		Jour	PR/C,35,(2),467	Feb 87	I.Kumabe+	E1841
<i>p,α</i>	incl	DE	2JPNKYU	1.8+07		Jour	PR/C,35,(2),467	Feb 87	I.Kumabe+	E1841
<i>p,d</i>	⁹⁷ Mo	DAP	2JPNTOK	5.2+07		Jour	NP/A,185,(1),273	Apr 72	T.Ishimatsu+	E1849
<i>p,γ</i>	⁹⁹ Tc	CS	2GERJUL	5.9+06	4.5+07	Jour	RCA,51,69	99	B.Scholten+	D4124
<i>p,p</i>	incl	DAE	2JPNKYU	1.2+07	1.6+07	Jour	ZP/A,336,63	90	Y.Watanabe+	E1844
<i>p,p</i>	incl	DAE	2JPNKYU	1.8+07		Jour	PR/C,36,(4),1325	Oct 87	Y.Watanabe+	E1842
<i>p,p</i>	incl	DAE	2JPNJAE	2.6+07		Jour	PR/C,51,(4),1891	Apr 95	Y.Watanabe+	E1845
<i>p,p</i>	incl	DE	2JPNKYU	1.2+07	1.6+07	Jour	ZP/A,336,63	90	Y.Watanabe+	E1844
<i>p,p</i>	incl	DE	2JPNKYU	1.8+07		Jour	PR/C,36,(4),1325	Oct 87	Y.Watanabe+	E1842
<i>p,t</i>	⁹⁶ Mo	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

42 Molybdenum 100

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,α</i>	incl	DAE	2JPNKYU	1.8+07		Jour	PR/C,35,(2),467	Feb 87	I.Kumabe+	E1841
<i>p,α</i>	incl	DE	2JPNKYU	1.8+07		Jour	PR/C,35,(2),467	Feb 87	I.Kumabe+	E1841
<i>p,d</i>	⁹⁹ Mo	DAP	2JPNTOK	5.2+07		Jour	NP/A,185,(1),273	Apr 72	T.Ishimatsu+	E1849
<i>p,n+p</i>	⁹⁹ Mo	CS	2GERJUL	7.2+06	6.5+07	Jour	RCA,51,69	99	B.Scholten+	D4124
<i>p,p</i>	incl	DAE	2JPNKYU	1.8+07		Jour	PR/C,36,(4),1325	Oct 87	Y.Watanabe+	E1842
<i>p,p</i>	incl	DE	2JPNKYU	1.8+07		Jour	PR/C,36,(4),1325	Oct 87	Y.Watanabe+	E1842
<i>p,t</i>	⁹⁸ Mo	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

44 Ruthenium 101

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,0</i>		RP	4ZZZDUB	0.0+00	1.0+03	Jour	YF,29,(3),561	Mar 79	A.B.Popov+	40591

44 Ruthenium 102

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	¹⁰⁰ Ru	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

44

Ruthenium

104

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	¹⁰² Ru	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

45

Rhodium

103

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,3n</i>	¹⁰¹ Pd	CS	2GERJUL	2.2+07	4.0+07	Jour	RCA,56,821	02	S.Sudar+	D4125
<i>p,n</i>	¹⁰³ Pd	CS	2GERJUL	3.0+06	4.0+07	Jour	RCA,56,821	02	S.Sudar+	D4125

46

Palladium

104

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	¹⁰² Pd	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

46

Palladium

106

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,α</i>	incl	DAE	2JPNKYU	1.5+07	1.8+07	Jour	PR/C,35,(2),467	Feb 87	I.Kumabe+	E1841
<i>p,α</i>	incl	DE	2JPNKYU	1.5+07	1.8+07	Jour	PR/C,35,(2),467	Feb 87	I.Kumabe+	E1841
<i>p,p</i>	incl	DAE	2JPNKYU	1.2+07	1.6+07	Jour	ZP/A,336,63	90	Y.Watanabe+	E1844
<i>p,p</i>	incl	DAE	2JPNKYU	1.8+07		Jour	PR/C,36,(4),1325	Oct 87	Y.Watanabe+	E1842
<i>p,p</i>	incl	DAE	2JPNJAE	2.6+07		Jour	PR/C,51,(4),1891	Apr 95	Y.Watanabe+	E1845
<i>p,p</i>	incl	DE	2JPNKYU	1.2+07	1.6+07	Jour	ZP/A,336,63	90	Y.Watanabe+	E1844
<i>p,p</i>	incl	DE	2JPNKYU	1.8+07		Jour	PR/C,36,(4),1325	Oct 87	Y.Watanabe+	E1842
<i>p,t</i>	¹⁰⁴ Pd	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

46

Palladium

108

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,γ</i>	¹⁰⁹ Pd	CS	4ZZZDUB	Maxwl		Jour	IZV,65,(1),111	01	Yu.P.Gangrskiy+	41414
<i>p,t</i>	¹⁰⁶ Pd	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

46

Palladium

110

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	¹⁰⁸ Pd	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

47 Silver

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,α	incl	DAE	2JPNKYU	1.5+07	1.8+07	Jour	PR/C,35,(2),467	Feb 87	I.Kumabe+	E1841
p,α	incl	DE	2JPNKYU	1.5+07	1.8+07	Jour	PR/C,35,(2),467	Feb 87	I.Kumabe+	E1841
p,p	incl	DAE	2JPNKYU	1.8+07		Jour	PR/C,36,(4),1325	Oct 87	Y.Watanabe+	E1842
p,p	incl	DE	2JPNKYU	1.8+07		Jour	PR/C,36,(4),1325	Oct 87	Y.Watanabe+	E1842
p,t	incl	CS	2JPNLEP	1.2+10		Jour	ARI,42,(6),577	91	M.Noguchi+	E1854
$^{12}\text{C},f$		CS	1USABRK	2.4+08		Jour	NP/A,569,616	94	Kuen-Beychen+	A0592
$^{12}\text{C},x$	Many	CS	1USABRK	2.4+08		Jour	NP/A,569,616	94	Kuen-Beychen+	A0592

47 Silver 107

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
$\alpha,2n$	^{109}In	?	3INDVEC	2.1+07	6.6+07	Jour	CJP,74,618	96	H.B.Patel+	D0065
$\alpha,2n+\alpha$	^{105}Ag	?	3INDVEC	3.6+07	6.6+07	Jour	CJP,74,618	96	H.B.Patel+	D0065
α,n	^{110}In	?	3INDVEC	2.1+07	6.6+07	Jour	CJP,74,618	96	H.B.Patel+	D0065
$\alpha,n+\alpha$	^{106}Ag	?	3INDVEC	2.4+07	6.6+07	Jour	CJP,74,618	96	H.B.Patel+	D0065

47 Silver 109

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
$\alpha,2n$	^{111}In	CS	3INDVEC	2.1+07	6.6+07	Jour	CJP,74,618	96	H.B.Patel+	D0065

48 Cadmium

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
$^3\text{He},x$	^{113}Sn	CS	2GERJUL	4.9+06	1.2+08	Jour	ARI,35,645	84	S.M.Qaim+	D0081
$^3\text{He},x$	^{117}Sn	CS	2GERJUL	5.3+06	1.2+08	Jour	ARI,35,645	84	S.M.Qaim+	D0081
α,x	^{113}Sn	CS	2GERJUL	1.2+07	1.4+08	Jour	ARI,35,645	84	S.M.Qaim+	D0081
α,x	^{117}Sn	CS	2GERJUL	1.6+07	1.4+08	Jour	ARI,35,645	84	S.M.Qaim+	D0081

48 Cadmium 110

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
d,t	^{109}Cd	DAP	2JPNTOK	3.3+07		Jour	JPJ,60,(5),1553	May 91	T.Ishimatsu+	E1649
$^3\text{He},3n$	^{110}Sn	TT	2GERJUL	2.5+07		Jour	ARI,48,19	97	F.Rosch+	D4122

48

Cadmium

112

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,α	incl	DAE	2JPNKYU	1.8+07		Jour	PR/C,38,(6),2531	Dec 88	I.Kumabe+	E1843
p,α	incl	DE	2JPNKYU	1.8+07		Jour	PR/C,38,(6),2531	Dec 88	I.Kumabe+	E1843
p,t	^{110}Cd	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

48

Cadmium

114

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{115}Cd	CS	4ZZZDUB	Maxwl		Jour	IZV,65,(1),111	01	Yu.P.Gangrskiy+	41414
p,t	^{112}Cd	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

48

Cadmium

116

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,t	^{114}Cd	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
d,t	^{115}Cd	DAE	2JPNTOK	3.3+07		Jour	JPJ,60,(5),1553	May 91	T.Ishimatsu+	E1649
d,t	^{115}Cd	DAP	2JPNTOK	3.3+07		Jour	JPJ,60,(5),1553	May 91	T.Ishimatsu+	E1649

49

Indium

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,t	incl	CS	2JPNLEP	1.2+10		Jour	ARI,42,(6),577	91	M.Noguchi+	E1854
$^3\text{He},x$	^{113}Sn	CS	2GERJUL	1.8+07	1.1+08	Jour	ARI,35,645	84	S.M.Qaim+	D0081
$^3\text{He},x$	^{117}Sn	CS	2GERJUL	1.3+07	1.2+08	Jour	ARI,35,645	84	S.M.Qaim+	D0081
α,x	^{113}Sn	CS	2GERJUL	4.0+07	1.4+08	Jour	ARI,35,645	84	S.M.Qaim+	D0081
α,x	^{117}Sn	CS	2GERJUL	1.9+07	1.4+08	Jour	ARI,35,645	84	S.M.Qaim+	D0081

49

Indium

115

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,t	^{113}In	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

50

Tin

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,t	incl	CS	2JPNLEP	1.2+10		Jour	ARI,42,(6),577	91	M.Noguchi+	E1854

50

Tin

112

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{113}Sn	CS	4ZZZDUB	Maxwl		Jour	IZV,65,(1),111	01	Yu.P.Gangrskiy+	41414
p,d	^{111}Sn	DAP	2JPNOSA	5.0+07		Jour	NP/A,456,(2),235	Aug 86	M.Matoba+	E1620

50

Tin

116

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
$^3\text{He},\alpha$	^{115}Sn	DAP	2JPNTOH	6.5+07		Jour	JPJ,60,(5),1553	May 91	T.Ishimatsu+	E1649

50

Tin

117

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,el		RP	4ZZZDUB	1.3+00		Conf	85SANTA,1,937	May 85	V.P.Alfimenkov+	40953
n,el		?	4ZZZDUB	1.3+00		Conf	85SANTA,1,937	May 85	V.P.Alfimenkov+	40953
n,γ	^{118}Sn	SPC	4RUSLIN	2.0-02		Jour	VAT/Y,2002,(1/2),72	02	Yu.E.Loginov+	41418

50

Tin

118

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,α	incl	DAE	2JPNKYU	1.8+07		Jour	PR/C,38,(6),2531	Dec 88	I.Kumabe+	E1843
p,α	incl	DE	2JPNKYU	1.8+07		Jour	PR/C,38,(6),2531	Dec 88	I.Kumabe+	E1843
p,t	^{116}Sn	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

50

Tin

120

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,α	incl	DAE	2JPNKYU	1.8+07		Jour	PR/C,38,(6),2531	Dec 88	I.Kumabe+	E1843
p,α	incl	DE	2JPNKYU	1.8+07		Jour	PR/C,38,(6),2531	Dec 88	I.Kumabe+	E1843
p,t	^{118}Sn	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

50

Tin

122

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{123}Sn	CS	4ZZZDUB	Maxwl		Jour	IZV,65,(1),111	01	Yu.P.Gangrskiy+	41414
p,t	^{120}Sn	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

50

Tin

124

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,d</i>	¹²³ Sn	DAP	2JPNOSA	5.0+07		Jour	NP/A,456,(2),235	Aug 86	M.Matoba+	E1620
<i>p,t</i>	¹²² Sn	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

51

Antimony

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,α</i>	incl	DAE	2JPNKYU	1.8+07		Jour	PR/C,38,(6),2531	Dec 88	I.Kumabe+	E1843
<i>p,α</i>	incl	DE	2JPNKYU	1.8+07		Jour	PR/C,38,(6),2531	Dec 88	I.Kumabe+	E1843

52

Tellurium

120

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,γ</i>	¹²¹ Te	CS	4ZZZDUB	Maxwl		Jour	IZV,65,(1),111	01	Yu.P.Gangrskiy+	41414
<i>p,2n</i>	¹¹⁹ I	CS	2GERJUL	1.5+07	3.5+07	Jour	ARI,49,1493	98	A.Hohn+	D4121
<i>p,n</i>	¹²⁰ I	CS	2GERJUL	6.6+06	3.5+07	Jour	ARI,49,1493	98	A.Hohn+	D4121
<i>d,x</i>	¹²⁰ I	CS	2GERJUL	1.4+07	9.0+06	Jour	ARI,52,923	00	A.Hohn+	D4126
<i>d,x</i>	¹²¹ I	CS	2GERJUL	1.4+07	5.2+06	Jour	ARI,52,923	00	A.Hohn+	D4126

52

Tellurium

122

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	¹²⁰ Te	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

52

Tellurium

124

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	¹²² Te	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

52

Tellurium

126

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,γ</i>	¹²⁷ Te	CS	4ZZZDUB	Maxwl		Jour	IZV,65,(1),111	01	Yu.P.Gangrskiy+	41414
<i>p,t</i>	¹²⁴ Te	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

52

Tellurium

128

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{129}Te	CS	4ZZZDUB	Maxwl		Jour	IZV,65,(1),111	01	Yu.P.Gangrskiy+	41414
p,α	incl	DAE	2JPNKYU	1.8+07		Jour	PR/C,38,(6),2531	Dec 88	I.Kumabe+	E1843
p,α	incl	DE	2JPNKYU	1.8+07		Jour	PR/C,38,(6),2531	Dec 88	I.Kumabe+	E1843
p,t	^{126}Te	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

52

Tellurium

130

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,α	incl	DAE	2JPNKYU	1.8+07		Jour	PR/C,38,(6),2531	Dec 88	I.Kumabe+	E1843
p,α	incl	DE	2JPNKYU	1.8+07		Jour	PR/C,38,(6),2531	Dec 88	I.Kumabe+	E1843
p,t	^{128}Te	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

56

Barium

130

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{131}Ba	CS	4ZZZDUB	Maxwl		Jour	IZV,65,(1),111	01	Yu.P.Gangrskiy+	41414

56

Barium

132

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{133}Ba	CS	4ZZZDUB	Maxwl		Jour	IZV,65,(1),111	01	Yu.P.Gangrskiy+	41414

56

Barium

136

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,t	^{134}Ba	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

56

Barium

138

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,t	^{136}Ba	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

58

Cerium

136

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{137}Ce	CS	4ZZZDUB	Maxwl		Jour	IZV,65,(1),111		01	Yu.P.Gangrskiy+	41414

58

Cerium

138

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{139}Ce	CS	4ZZZDUB	Maxwl		Jour	IZV,65,(1),111		01	Yu.P.Gangrskiy+	41414

58

Cerium

140

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
p,d	^{139}Ce	DAP	2JPNTOK	5.5+04		Jour	NP/A,121,(1),161		Dec 68	K.Yagi+	E1846
p,t	^{138}Ce	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221		Apr 85	K.Miura+	E1615
$^3\text{He},3n$	^{140}Nd	TT	2GERJUL	3.6+07		Jour	AOS,39,727		00	F.Rosch+	D4135

58

Cerium

142

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
p,t	^{140}Ce	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221		Apr 85	K.Miura+	E1615

60

Neodymium

143

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,α		RP	4UKRIJD	2.4+04		Conf	80KIEV,2,229		Sep 80	Yu.Andzheevsky+	40580
n,α	^{140}Ce	CSP	4UKRIJD	2.4+04		Conf	80KIEV,2,229		Sep 80	Yu.Andzheevsky+	40580

60

Neodymium

144

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
p,t	^{142}Nd	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221		Apr 85	K.Miura+	E1615

60

Neodymium

146

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
p,t	^{144}Nd	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221		Apr 85	K.Miura+	E1615

60 Neodymium 148

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,t	^{146}Nd	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
$^{20}\text{Ne,el}$	^{148}Nd	DA	2JPNTOK	1.2+08		Jour	PL/B,259,(4),427	91	C.L.Jiang+	E1642
$^{20}\text{Ne,incl}$	^{148}Nd	DAP	2JPNTOK	1.2+08		Jour	PL/B,259,(4),427	91	C.L.Jiang+	E1642

60 Neodymium 150

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,t	^{148}Nd	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

62 Samarium 147

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,α		RP	4UKRIJD	2.4+04		Conf	80KIEV,2,229	Sep 80	Yu.Andzheevsky+	40580
n,α	^{144}Nd	CS	4UKRIJD	2.4+04		Conf	80KIEV,2,229	Sep 80	Yu.Andzheevsky+	40580
n,α	^{144}Nd	CSP	4UKRIJD	2.4+04		Conf	80KIEV,2,229	Sep 80	Yu.Andzheevsky+	40580

64 Gadolinium 158

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,t	^{156}Gd	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

64 Gadolinium 160

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
p,t	^{158}Gd	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

65 Terbium 159

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
$\alpha,3n$	^{160}Ho	CS	3INDVEC	2.7+07	4.6+07	Jour	ASL,51,271	01	N.L.Singh+	D0066
$\alpha,3n+\alpha$	^{156}Tb	CS	3INDVEC	3.9+07	4.6+07	Jour	ASL,51,271	01	N.L.Singh+	D0066
$\alpha,4n$	^{159}Ho	CS	3INDVEC	3.6+07	4.6+07	Jour	ASL,51,271	01	N.L.Singh+	D0066
α,n	^{162}Ho	CS	3INDVEC	1.6+07	4.6+07	Jour	ASL,51,271	01	N.L.Singh+	D0066

66 Dysprosium 162

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,inel</i>	¹⁶² Dy	DAP	4RUSKUR	Fiss		Jour	YF,65,(5),819	02	L.I.Govor+	41417
<i>n,inel</i>	¹⁶² Dy	?	4RUSKUR	Fiss		Jour	YF,65,(5),819	02	L.I.Govor+	41417

67 Holmium 165

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	¹⁶³ Ho	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
<i>α,2n</i>	¹⁶⁷ Tm	CS	3INDVEC	2.0+07	6.6+07	Jour	PS,55,147	97	M.S.Gadkari+	D0068
<i>α,3n</i>	¹⁶⁶ Tm	CS	3INDVEC	2.9+07	6.6+07	Jour	PS,55,147	97	M.S.Gadkari+	D0068
<i>α,4n</i>	¹⁶⁵ Tm	CS	3INDVEC	3.5+07	6.6+07	Jour	PS,55,147	97	M.S.Gadkari+	D0068
<i>α,n</i>	¹⁶⁸ Tm	CS	3INDVEC	2.0+07	6.6+07	Jour	PS,55,147	97	M.S.Gadkari+	D0068

68 Erbium 168

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	¹⁶⁶ Er	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

68 Erbium 170

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	¹⁶⁸ Er	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

70 Ytterbium 172

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	¹⁷⁰ Yb	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

70 Ytterbium 174

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	¹⁷² Yb	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

70

Ytterbium

176

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	¹⁷⁴ Yb	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

73

Tantalum

181

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	¹⁷⁹ Ta	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

74

Tungsten

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,x</i>	¹⁵¹ Ho	CS	4RUSLIN	1.0+09		Conf	80LENGRD,,113	80	L.Kh.Batist+	A0522
<i>p,x</i>	¹⁵² Ho	CS	4RUSLIN	1.0+09		Conf	80LENGRD,,113	80	L.Kh.Batist+	A0522
<i>p,x</i>	¹⁵³ Ho	CS	4RUSLIN	1.0+09		Conf	80LENGRD,,113	80	L.Kh.Batist+	A0522
<i>p,x</i>	¹⁵⁴ Ho	CS	4RUSLIN	1.0+09		Conf	80LENGRD,,113	80	L.Kh.Batist+	A0522
<i>p,x</i>	¹⁵⁴ Tm	CS	4RUSLIN	1.0+09		Conf	80LENGRD,,113	80	L.Kh.Batist+	A0522

74

Tungsten

183

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	¹⁸¹ W	DAP	1USAYAL	2.1+07		Jour	PR/C,21,2288	80	M.H.Mortenson+	T0256

74

Tungsten

184

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	¹⁸² W	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

74

Tungsten

186

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	¹⁸⁴ W	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

76

Osmium

188

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					

<i>p,t</i>	¹⁸⁶ Os	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
¹⁹ F,3 <i>n</i>	²⁰⁴ At	CS	3INDTRM	7.9+07	8.8+07	Jour	NP/A,720,209	03	K.Mahata+	A0503
¹⁹ F,4 <i>n</i>	²⁰³ At	CS	3INDTRM	7.9+07	1.0+08	Jour	NP/A,720,209	03	K.Mahata+	A0503
¹⁹ F,5 <i>n</i>	²⁰² At	CS	3INDTRM	8.8+07	1.0+08	Jour	NP/A,720,209	03	K.Mahata+	A0503
¹⁹ F,f		CS	3INDTRM	7.2+07	9.4+07	Jour	NP/A,720,209	03	K.Mahata+	A0503
¹⁹ F,f		DA	3INDTRM	8.3+07	1.0+08	Jour	NP/A,720,209	03	K.Mahata+	A0503

76

Osmium

190

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					

<i>p,t</i>	¹⁸⁸ Os	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
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76

Osmium

192

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					

<i>p,t</i>	¹⁹⁰ Os	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
¹⁹ F,4 <i>n</i>	²⁰⁷ At	CS	3INDTRM	7.9+07	9.5+07	Jour	NP/A,720,209	03	K.Mahata+	A0503
¹⁹ F,5 <i>n</i>	²⁰⁶ At	CS	3INDTRM	7.9+07	1.0+08	Jour	NP/A,720,209	03	K.Mahata+	A0503
¹⁹ F,6 <i>n</i>	²⁰⁵ At	CS	3INDTRM	8.9+07	1.0+08	Jour	NP/A,720,209	03	K.Mahata+	A0503
¹⁹ F,7 <i>n</i>	²⁰⁴ At	CS	3INDTRM	1.0+08		Jour	NP/A,720,209	03	K.Mahata+	A0503
¹⁹ F,f		CS	3INDTRM	7.3+07	9.5+07	Jour	NP/A,720,209	03	K.Mahata+	A0503
¹⁹ F,f		DA	3INDTRM	8.3+07	1.0+08	Jour	NP/A,720,209	03	K.Mahata+	A0503

77

Iridium

191

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					

<i>p,t</i>	¹⁸⁹ Ir	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
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77

Iridium

193

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					

<i>p,t</i>	¹⁹¹ Ir	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
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78

Platinum

194

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					

<i>p,t</i>	¹⁹² Pt	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
¹² C,3 <i>n</i>	²⁰³ Po	CS	3INDTRM	5.5+07	6.5+07	Jour	PRL,82,699	Jan 99	A.Shrivastava+	A0525
¹² C,4 <i>n</i>	²⁰² Po	CS	3INDTRM	5.5+07	7.0+07	Jour	PRL,82,699	Jan 99	A.Shrivastava+	A0525
¹² C,5 <i>n</i>	²⁰¹ Po	CS	3INDTRM	6.6+07	7.0+07	Jour	PRL,82,699	Jan 99	A.Shrivastava+	A0525
¹² C,f		CS	3INDTRM	5.5+07	8.0+07	Jour	PRL,82,699	Jan 99	A.Shrivastava+	A0525

¹² C,f	DA	3INDTRM	5.8+07	8.4+07	Jour	PRL,82,699	Jan 99	A.Shrivastava+	A0525
¹⁹ F,f	CS	3INDTRM	8.9+07	1.0+08	Jour	PR/C,65,034613	Feb 02	K.Mahata+	A0524
¹⁹ F,f	DA	3INDTRM	8.9+07	1.0+08	Jour	PR/C,65,034613	Feb 02	K.Mahata+	A0524

78 Platinum 196

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,γ</i>	¹⁹⁷ Pt	CS	4ZZZDUB	Maxwl		Jour	IZV,65,(1),111	01	Yu.P.Gangrskiy+	41414
<i>p,t</i>	¹⁹⁴ Pt	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615

78 Platinum 198

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	¹⁹⁶ Pt	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
¹² C,3 <i>n</i>	²⁰⁷ Po	CS	3INDTRM	5.7+07	6.3+07	Jour	PRL,82,699	Jan 99	A.Shrivastava+	A0525
¹² C,4 <i>n</i>	²⁰⁶ Po	CS	3INDTRM	5.7+07	6.9+07	Jour	PRL,82,699	Jan 99	A.Shrivastava+	A0525
¹² C,5 <i>n</i>	²⁰⁵ Po	CS	3INDTRM	5.7+07	6.9+07	Jour	PRL,82,699	Jan 99	A.Shrivastava+	A0525
¹² C,6 <i>n</i>	²⁰⁴ Po	CS	3INDTRM	6.3+07	6.9+07	Jour	PRL,82,699	Jan 99	A.Shrivastava+	A0525
¹² C,f		CS	3INDTRM	5.7+07	7.9+07	Jour	PRL,82,699	Jan 99	A.Shrivastava+	A0525
¹² C,f		DA	3INDTRM	6.0+07	8.4+07	Jour	PRL,82,699	Jan 99	A.Shrivastava+	A0525
¹⁹ F,f		CS	3INDTRM	8.8+07	1.0+08	Jour	PR/C,65,034613	Feb 02	K.Mahata+	A0524
¹⁹ F,f		DA	3INDTRM	8.8+07	1.0+08	Jour	PR/C,65,034613	Feb 02	K.Mahata+	A0524

79 Gold 197

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	incl	CS	2JPNLEP	1.2+10		Jour	ARI,42,(6),577	91	M.Noguchi+	E1854
<i>p,t</i>	¹⁹⁵ Au	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
<i>α,2n</i>	¹⁹⁹ Tl	CS	3INDVEC	3.5+07	4.8+07	Jour	JP/G,24,151	98	N.Chakravarty+	A0582
<i>α,3n</i>	¹⁹⁸ Tl	CS	3INDVEC	3.5+07	4.8+07	Jour	JP/G,24,151	98	N.Chakravarty+	A0582
<i>α,4n</i>	¹⁹⁷ Tl	CS	3INDVEC	3.9+07	4.8+07	Jour	JP/G,24,151	98	N.Chakravarty+	A0582
<i>α,5n</i>	¹⁹⁶ Tl	CS	3INDVEC	4.7+07	4.8+07	Jour	JP/G,24,151	98	N.Chakravarty+	A0582
<i>α,n</i>	²⁰⁰ Tl	CS	3INDVEC	3.5+07	4.8+07	Jour	JP/G,24,151	98	N.Chakravarty+	A0582
<i>α,x</i>	¹⁹⁴ Au	CS	3INDVEC	3.5+07	4.8+07	Jour	JP/G,24,151	98	N.Chakravarty+	A0582
<i>α,x</i>	¹⁹⁵ Au	CS	3INDVEC	3.5+07	4.8+07	Jour	JP/G,24,151	98	N.Chakravarty+	A0582
<i>α,x</i>	¹⁹⁶ Au	CS	3INDVEC	3.5+07	4.8+07	Jour	JP/G,24,151	98	N.Chakravarty+	A0582
<i>α,x</i>	¹⁹⁸ Au	CS	3INDVEC	3.5+07	4.9+07	Jour	JP/G,24,151	98	N.Chakravarty+	A0582
<i>α,x</i>	¹⁹⁷ Hg	CS	3INDVEC	3.4+07	4.7+07	Jour	JP/G,24,151	98	N.Chakravarty+	A0582
¹⁸ O, <i>n</i>	incl	DAP	3CPRIMP	9.0+08		Jour	NIM/A,404,349	98	Guishengli+	A0496
¹⁸ O, <i>n</i>	incl	PY	3CPRIMP	9.0+08		Jour	NIM/A,404,349	98	Guishengli+	A0496

80 Mercury 196

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					

n,γ	^{197}Hg	CS	4ZZZDUB	Maxwl		Jour	IZV,65,(1),111	01	Yu.P.Gangrskiy+	41414
				80	Mercury			202		
Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
p,t	^{200}Hg	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
				80	Mercury			204		
Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
p,t	^{202}Hg	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
				82	Lead			204		
Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
n,tot		CS	4ZZZDUB	1.0+05	1.0+02	Jour	YK,2002,(1-2),50	02	Yu.V.Grigoriev+	41426
p,t	incl	CS	2JPNLEP	1.2+10		Jour	ARI,42,(6),577	91	M.Noguchi+	E1854
$^7\text{Li},x$	Many	CS	4ZZZDUB	2.4+08		Conf	2002MOSCOW,,198	02	N.A.Demekhina+	A0475
$^7\text{Li},x$	Many	CS	4ZZZDUB	2.4+08		Conf	2002MOSCOW,,196	02	N.A.Demekhina+	A0486
$^{18}\text{O},x$	Many	CS	3CPRIMP	9.0+08		Jour	PR/C,58,156	98	Zhangli+	A0504
				82	Lead			204		
Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
p,t	^{202}Pb	DAP	2JPNTOK	5.2+07		Jour	PR/C,27,(4),1454	Apr 83	M.Takahashi+	E1434
				82	Lead			206		
Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
p,d	^{205}Pb	DAP	2JPNTOK	5.5+04		Jour	NP/A,121,(1),161	Dec 68	K.Yagi+	E1846
p,t	^{204}Pb	DAP	2JPNTOK	5.2+07		Jour	PR/C,27,(4),1454	Apr 83	M.Takahashi+	E1434
				82	Lead			208		
Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
p,d	^{207}Pb	DAP	2JPNTOK	5.5+04		Jour	NP/A,121,(1),161	Dec 68	K.Yagi+	E1846
p,d	^{207}Pb	DAP	2JPNOSA	6.5+07		Jour	PR/C,55,(6),3152	Jun 97	M.Matoba+	E1665
p,d	^{207}Pb	POD	2JPNOSA	6.5+07		Jour	PR/C,55,(6),3152	Jun 97	M.Matoba+	E1665

<i>p,el</i>	²⁰⁸ Pb	DA	2JPNTOK	5.5+04		Jour	NP/A,121,(1),161	Dec 68	K.Yagi+	E1846
<i>p,t</i>	²⁰⁶ Pb	DAP	2JPNTOK	5.2+07		Jour	PR/C,27,(4),1454	Apr 83	M.Takahashi+	E1434
<i>p,t</i>	²⁰⁶ Pb	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
⁹ Be,2n	²¹⁵ Rn	CS	3AULCBR	3.4+07	4.9+07	Jour	PRL,82,1395	Feb 99	M.Dasgupta+	A0591
⁹ Be,4n	²¹³ Rn	CS	3AULCBR	3.9+07	4.9+07	Jour	PRL,82,1395	Feb 99	M.Dasgupta+	A0591
⁹ Be,5n	²¹² Rn	CS	3AULCBR	4.6+07	4.9+07	Jour	PRL,82,1395	Feb 99	M.Dasgupta+	A0591
⁹ Be,f		CS	3AULCBR	3.8+07	4.9+07	Jour	PRL,82,1395	Feb 99	M.Dasgupta+	A0591
⁹ Be,fus		CS	3AULCBR	3.4+07	4.9+07	Jour	PRL,82,1395	Feb 99	M.Dasgupta+	A0591
⁹ Be,x	²¹⁰ Po	CS	3AULCBR	3.9+07	4.9+07	Jour	PRL,82,1395	Feb 99	M.Dasgupta+	A0591
⁹ Be,x	²¹¹ Po	CS	3AULCBR	3.4+07	4.9+07	Jour	PRL,82,1395	Feb 99	M.Dasgupta+	A0591
⁹ Be,x	²¹² Po	CS	3AULCBR	3.4+07	4.9+07	Jour	PRL,82,1395	Feb 99	M.Dasgupta+	A0591

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Bismuth

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Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,t</i>	²⁰⁷ Bi	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
⁶ Li,2n	²¹³ Rn	CS	3AULCBR	2.6+07	3.2+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁶ Li,3n	²¹² Rn	CS	3AULCBR	2.5+07	4.7+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁶ Li,4n	²¹¹ Rn	CS	3AULCBR	3.1+07	4.7+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁶ Li,5n	²¹⁰ Rn	CS	3AULCBR	3.9+07	4.6+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁶ Li,f		CS	3AULCBR	2.8+07	4.7+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁶ Li,fus		CS	3AULCBR	2.5+07	4.7+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁶ Li,x	²¹⁰ Po	CS	3AULCBR	3.1+07	4.7+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁶ Li,x	²¹¹ Po	CS	3AULCBR	3.9+07	4.7+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁶ Li,x	²¹² Po	CS	3AULCBR	2.9+07	4.7+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁶ Li,x	²¹¹ At	CS	3AULCBR	2.8+07	4.7+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁶ Li,x	²¹² At	CS	3AULCBR	2.7+07	4.7+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁶ Li,x	²¹³ At	CS	3AULCBR	2.7+07	4.7+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁷ Li,2n	²¹⁴ Rn	CS	3AULCBR	2.5+07	3.2+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁷ Li,3n	²¹³ Rn	CS	3AULCBR	2.5+07	5.0+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁷ Li,4n	²¹² Rn	CS	3AULCBR	3.0+07	5.0+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁷ Li,5n	²¹¹ Rn	CS	3AULCBR	3.9+07	5.0+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁷ Li,6n	²¹⁰ Rn	CS	3AULCBR	5.0+07		Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁷ Li,f		CS	3AULCBR	2.8+07	5.0+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁷ Li,fus		CS	3AULCBR	2.5+07	5.0+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁷ Li,x	²¹⁰ Po	CS	3AULCBR	2.9+07	4.6+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁷ Li,x	²¹¹ Po	CS	3AULCBR	2.4+07	5.0+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁷ Li,x	²¹² Po	CS	3AULCBR	3.1+07	5.0+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁷ Li,x	²¹¹ At	CS	3AULCBR	3.5+07	5.0+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁷ Li,x	²¹² At	CS	3AULCBR	2.8+07	5.0+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁷ Li,x	²¹³ At	CS	3AULCBR	2.8+07	5.0+07	Jour	PR/C,66,041602	02	M.Dasgupta+	A0590
⁹ Be,2n	²¹⁶ Fr	?	2GERLMU	3.6+07	4.3+07	Jour	EPJ/A,2,227	98	C.Signorini+	A0564
⁹ Be,3n	²¹⁵ Fr	CS	2GERLMU	3.6+07	4.3+07	Jour	EPJ/A,2,227	98	C.Signorini+	A0564
⁹ Be,3n	²¹⁵ Fr	CS	2JPNTSU	3.6+07	5.4+07	Jour	PL/B,389,(3),457	Dec 96	A.Yoshida+	E1658
⁹ Be,3n	²¹⁵ Fr	CS	2JPNIPC	3.7+07	5.0+07	Jour	PL/B,389,(3),457	Dec 96	A.Yoshida+	E1658
⁹ Be,4n	²¹⁴ Fr	CS	2JPNTSU	3.9+07	5.4+07	Jour	PL/B,389,(3),457	Dec 96	A.Yoshida+	E1658
⁹ Be,4n	²¹⁴ Fr	CS	2GERLMU	4.1+07	4.3+07	Jour	EPJ/A,2,227	98	C.Signorini+	A0564
⁹ Be,5n	²¹³ Fr	CS	2JPNTSU	4.9+07	5.4+07	Jour	PL/B,389,(3),457	Dec 96	A.Yoshida+	E1658
⁹ Be,f		CS	2JPNTSU	4.1+07	5.4+07	Jour	PL/B,389,(3),457	Dec 96	A.Yoshida+	E1658
⁹ Be,fus		CS	2GERLMU	3.6+07	5.0+07	Jour	EPJ/A,2,227	98	C.Signorini+	A0564
¹⁰ Be,3n	²¹⁶ Fr	CS	2JPNIPC	3.6+07	5.9+07	Jour	PL/B,389,(3),457	Dec 96	A.Yoshida+	E1658
¹⁰ Be,4n	²¹⁵ Fr	CS	2JPNIPC	3.9+07	5.9+07	Jour	PL/B,389,(3),457	Dec 96	A.Yoshida+	E1658
¹¹ Be,4n	²¹⁶ Fr	CS	2JPNIPC	3.7+07	6.8+07	Jour	PL/B,389,(3),457	Dec 96	A.Yoshida+	E1658
¹¹ Be,5n	²¹⁵ Fr	CS	2JPNIPC	4.1+07	6.8+07	Jour	PL/B,389,(3),457	Dec 96	A.Yoshida+	E1658

¹¹ Be,fus		CS	2GERLMU	3.6+07	5.0+07	Jour	EPJ/A,2,227	98	C.Signorini+	A0564
¹⁶ O,f	Many	CS	2JPNTOK	8.6+07	9.8+07	Jour	PR/C,56,(2),891	Aug 97	I.Nishinaka+	E1662
¹⁶ O,f	Many	FY	2JPNJAE	8.6+07	9.8+07	Jour	PR/C,56,(2),891	Aug 97	I.Nishinaka+	E1662
¹⁸ O,f	Many	CS	2JPNJAE	8.4+07		Jour	PR/C,56,(2),891	Aug 97	I.Nishinaka+	E1662
¹⁸ O,f	Many	FY	2JPNJAE	8.3+07	8.5+07	Jour	PR/C,56,(2),891	Aug 97	I.Nishinaka+	E1662

90 Thorium 232

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,f</i>		DA	4RUSKUR	1.6+06	1.4+06	Jour	YF,47,(2),320	Feb 88	B.M.Gokhberg+	40965
<i>n,f</i>	¹²⁹ Sb	?	4RUSKUR	1.6+06	1.4+06	Jour	YF,47,(2),320	Feb 88	B.M.Gokhberg+	40965
<i>n,inel</i>	²³² Th	CSP	4RUSRI	3.0+06		Jour	YK,1988,(2),56	May 88	A.A.Filatenkov+	40966
<i>p,f</i>	Many	FY	2JPNJAE	1.2+07	1.3+07	Jour	PL/B,387,(1),26	Oct 96	Y.Nagame+	E1659
<i>p,f</i>	Many	FY	2JPNJAE	1.3+07		Jour	JRN,239,(1),113	99	Y.L.Zhao+	E1851
<i>p,f</i>	Many	FY	2JPNJAE	1.5+07		Jour	PL/B,387,(1),26	Oct 96	Y.Nagame+	E1659
<i>p,f</i>	Many	KE	2JPNJAE	1.2+07	1.5+07	Jour	PL/B,387,(1),26	Oct 96	Y.Nagame+	E1659
<i>p,f</i>	¹⁴² La	CS	2JPNJAE	9.0+06	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁴³ La	CS	2JPNJAE	9.0+06	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁴³ Ce	CS	2JPNJAE	9.0+06	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁴⁶ Ce	CS	2JPNJAE	9.0+06	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁴⁶ Pr	CS	2JPNJAE	9.0+06	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁴⁷ Pr	CS	2JPNJAE	9.0+06	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁴⁹ Nd	CS	2JPNJAE	9.0+06	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁵¹ Nd	CS	2JPNJAE	9.0+06	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁵² Nd	CS	2JPNJAE	9.0+06	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁵⁰ Pm	CS	2JPNJAE	1.1+07	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁵¹ Pm	CS	2JPNJAE	9.0+06	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁵³ Sm	CS	2JPNJAE	9.0+06	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁵⁵ Sm	CS	2JPNJAE	9.0+06	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁵⁶ Sm	CS	2JPNJAE	9.0+06	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁵⁷ Eu	CS	2JPNJAE	1.5+07	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,t</i>	²³⁰ Th	DAP	2JPNTOK	5.2+07		Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
¹² C,f	Many	CS	3INDTRM	7.2+07		Jour	JRN,246,225	00	A.Ramaswami+	A0586

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Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,f</i>	Many	CHG	2JPNTOK	1.8+07	6.0+07	Jour	JIN,33,2731	71	H.Umezawa	E1848
<i>p,f</i>	Many	CS	2JPNTOK	1.8+07	6.0+07	Jour	JIN,33,2731	71	H.Umezawa	E1848
<i>p,f</i>	Many	?	2JPNTOK	2.1+07	6.0+07	Jour	JIN,33,2731	71	H.Umezawa	E1848
<i>p,f</i>	⁸⁶ Rb	CS	2JPNTOK	1.8+07	6.0+07	Jour	JIN,33,2731	71	H.Umezawa	E1848
<i>p,f</i>	⁸⁶ Rb	?	2JPNTOK	1.8+07	6.0+07	Jour	JIN,33,2731	71	H.Umezawa	E1848
<i>p,f</i>	¹³² Te	CS	2JPNTOK	2.3+07	6.0+07	Jour	JIN,33,2731	71	H.Umezawa	E1848
<i>p,f</i>	¹³² Te	?	2JPNTOK	2.3+07	6.0+07	Jour	JIN,33,2731	71	H.Umezawa	E1848
<i>p,f</i>	¹³⁴ Cs	CS	2JPNTOK	1.8+07	6.0+07	Jour	JIN,33,2731	71	H.Umezawa	E1848
<i>p,f</i>	¹³⁴ Cs	?	2JPNTOK	1.8+07	6.0+07	Jour	JIN,33,2731	71	H.Umezawa	E1848
<i>p,f</i>	¹³⁶ Cs	CS	2JPNTOK	1.8+07	6.0+07	Jour	JIN,33,2731	71	H.Umezawa	E1848
<i>p,f</i>	¹³⁶ Cs	?	2JPNTOK	1.8+07	6.0+07	Jour	JIN,33,2731	71	H.Umezawa	E1848
<i>p,f</i>	¹⁴⁰ Ba	CS	2JPNTOK	3.0+07	6.0+07	Jour	JIN,33,2731	71	H.Umezawa	E1848
<i>p,f</i>	¹⁴⁰ Ba	?	2JPNTOK	3.0+07	6.0+07	Jour	JIN,33,2731	71	H.Umezawa	E1848
<i>p,f</i>	¹⁴⁸ Pm	?	2JPNTOK	2.1+07	6.0+07	Jour	JIN,33,2731	71	H.Umezawa	E1848

p,f ¹⁶⁰Tb ? 2JPN TOK 2.3+07 6.0+07 Jour JIN,33,2731 71 H.Umezawa E1848

92 Uranium 233

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max					
<i>n,f</i>	Many	FY	4RUSFEI	Maxwl		Conf	2001DUBNA,,225	May 01	S.G.Isaev+	41423
<i>n,f</i>	Many	CHG	4RUSFEI	Maxwl		Conf	2001DUBNA,,225	May 01	S.G.Isaev+	41423
<i>p,f</i>		CS	2JPNJAE	8.3+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁵ Kr	CS	2JPNJAE	8.2+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁷ Kr	CS	2JPNJAE	8.2+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁸ Kr	CS	2JPNJAE	8.2+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹¹ Sr	CS	2JPNJAE	8.2+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹² Sr	CS	2JPNJAE	9.8+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹³ Y	CS	2JPNJAE	8.2+06	1.5+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁵ Zr	CS	2JPNJAE	9.8+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁷ Zr	CS	2JPNJAE	8.2+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁹ Mo	CS	2JPNJAE	8.2+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁰³ Ru	CS	2JPNJAE	8.2+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁰⁵ Rh	CS	2JPNJAE	8.2+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹² Pd	CS	2JPNJAE	9.8+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹³ Ag	CS	2JPNJAE	8.2+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹⁵ Cd	CS	2JPNJAE	9.8+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹⁷ Cd	CS	2JPNJAE	8.2+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁶ Sb	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁷ Sb	CS	2JPNJAE	8.2+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁸ Sb	CS	2JPNJAE	9.8+06	1.5+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁹ Sb	CS	2JPNJAE	8.2+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³² Te	CS	2JPNJAE	8.2+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁰ I	CS	2JPNJAE	1.3+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³¹ I	CS	2JPNJAE	8.2+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³³ I	CS	2JPNJAE	8.2+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁵ I	CS	2JPNJAE	8.2+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁶ Cs	CS	2JPNJAE	9.8+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁹ Ba	CS	2JPNJAE	8.2+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴⁰ Ba	CS	2JPNJAE	9.8+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴² La	CS	2JPNJAE	8.2+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴¹ Ce	CS	2JPNJAE	9.8+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴³ Ce	CS	2JPNJAE	8.2+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴⁹ Nd	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁵³ Sm	CS	2JPNJAE	1.4+07		Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411

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Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max					
<i>n,abs</i>		ALF	4ZZZDUB	2.2+01	2.2+03	Jour	YK,2002,(1-2),45	02	Yu.V.Grigoriev+	41427
<i>n,f</i>		SIF	4ZZZDUB	2.1+00	1.0+03	Jour	YK,2002,(1-2),45	02	Yu.V.Grigoriev+	41427
<i>n,f</i>		?	4RUSFEI	2.9+00		Jour	YK,2001,(1),67	01	V.M.Piksaykin+	41419
<i>n,f</i>	Many	FY	4RUSFEI	Maxwl		Conf	2001DUBNA,,225	May 01	S.G.Isaev+	41423
<i>n,f</i>	Many	CHG	4RUSFEI	Maxwl		Conf	2001DUBNA,,225	May 01	S.G.Isaev+	41423
<i>n,γ</i>	²³⁶ U	SIF	4ZZZDUB	2.1+00	1.0+03	Jour	YK,2002,(1-2),45	02	Yu.V.Grigoriev+	41427
<i>p,f</i>		CS	2JPNJAE	9.2+06	1.9+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411

<i>p,f</i>	⁸⁵ Kr	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁷ Kr	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁸ Kr	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹¹ Sr	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹² Sr	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹³ Y	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁵ Zr	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁷ Zr	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁹ Mo	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁰³ Ru	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁰⁵ Rh	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹² Pd	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹¹ Ag	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹³ Ag	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹⁵ Cd	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹⁷ Cd	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁶ Sb	CS	2JPNJAE	1.0+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁷ Sb	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁸ Sb	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁹ Sb	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³² Te	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁰ I	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³¹ I	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³³ I	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁵ I	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁶ Cs	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁹ Ba	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴⁰ Ba	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴² La	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴¹ Ce	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴³ Ce	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴⁹ Nd	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁵¹ Pm	CS	2JPNJAE	1.0+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁵³ Sm	CS	2JPNJAE	9.0+06	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411

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Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max					
<i>n,f</i>		DA	4RUSKUR	1.2+06	9.0+05	Jour	YF,47,(2),320	Feb 88	B.M.Gokhberg+	40965
<i>n,f</i>	Many	?	4RUSKUR	1.2+06	9.0+05	Jour	YF,47,(2),320	Feb 88	B.M.Gokhberg+	40965
<i>p,f</i>		CS	2JPNJAE	9.2+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁵ Kr	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁷ Kr	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁸ Kr	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹¹ Sr	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹² Sr	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹³ Y	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁵ Zr	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁷ Zr	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁹ Mo	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁰³ Ru	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁰⁵ Rh	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹² Pd	CS	2JPNJAE	1.0+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹¹ Ag	CS	2JPNJAE	1.2+07	1.5+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411

<i>p,f</i>	¹¹³ Ag	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹⁵ Cd	CS	2JPNJAE	1.0+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹⁷ Cd	CS	2JPNJAE	1.0+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁶ Sb	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁷ Sb	CS	2JPNJAE	1.0+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁸ Sb	CS	2JPNJAE	1.0+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁹ Sb	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³² Te	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁰ I	CS	2JPNJAE	1.0+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³¹ I	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³³ I	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁵ I	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁶ Cs	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁹ Ba	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴⁰ Ba	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴² La	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴¹ Ce	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴³ Ce	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴⁹ Nd	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁵¹ Pm	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁵³ Sm	CS	2JPNJAE	1.0+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411

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Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,f</i>		DA	4RUSKUR	1.6+06		Jour	YF,47,(2),320	Feb 88	B.M.Gokhberg+	40965
<i>n,f</i>		NUD	4RUSFEI	1.0+06	4.7+06	Jour	YK,2001,(1),73	01	V.M.Piksaykin+	41416
<i>n,f</i>	Many	?	4RUSKUR	1.6+06		Jour	YF,47,(2),320	Feb 88	B.M.Gokhberg+	40965
<i>n,inel</i>	²³⁸ U	CSP	4RUSRI	3.0+06		Jour	YK,1988,(2),56	May 88	A.A.Filatentkov+	40966
<i>p,f</i>	Many	CS	2JPNJAE	1.5+07		Jour	NIM/A,374,330	96	S.Ichikawa+	E1853
<i>p,f</i>	Many	FY	2JPNJAE	1.3+07		Jour	JRN,239,(1),113	99	Y.L.Zhao+	E1851
<i>p,f</i>	⁸² As	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	⁸³ Se	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	⁸⁴ Br	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	⁹⁰ Rb	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	⁹⁷ Y	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	⁹⁹ Nb	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹⁰² Tc	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹⁰⁸ Rh	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹¹⁶ Ag	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹¹⁹ Cd	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹²¹ Cd	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹¹⁶ In	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹²⁰ In	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹²² In	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹²⁴ In	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹²⁶ In	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹²⁸ In	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹²⁸ Sn	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹³⁰ Sn	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹²⁸ Sb	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹³⁰ Sb	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹³² Sb	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹³⁰ I	CS	2JPNTOH	2.4+07		Jour	ZP/A,347,53	93	M.Tanikawa+	E1855

<i>p,f</i>	¹³² I	CS	2JPNTOH	2.4+07	Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹³⁴ I	CS	2JPNTOH	2.4+07	Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹³⁶ I	CS	2JPNTOH	2.4+07	Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹³⁵ Xe	CS	2JPNTOH	2.4+07	Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹³⁸ Cs	CS	2JPNTOH	2.4+07	Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹⁴⁰ Cs	CS	2JPNJAE	1.5+07	Jour	NIM/A,374,330	96	S.Ichikawa+	E1853
<i>p,f</i>	¹⁴⁴ Cs	CS	2JPNJAE	1.5+07	Jour	NIM/A,374,330	96	S.Ichikawa+	E1853
<i>p,f</i>	¹⁴⁴ Ba	CS	2JPNJAE	1.5+07	Jour	NIM/A,374,330	96	S.Ichikawa+	E1853
<i>p,f</i>	¹⁴⁴ La	CS	2JPNJAE	1.5+07	Jour	NIM/A,374,330	96	S.Ichikawa+	E1853
<i>p,f</i>	¹⁴⁶ La	CS	2JPNTOH	2.4+07	Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹⁴⁸ La	CS	2JPNJAE	1.5+07	Jour	NIM/A,374,330	96	S.Ichikawa+	E1853
<i>p,f</i>	¹⁴⁸ Ce	CS	2JPNJAE	1.5+07	Jour	NIM/A,374,330	96	S.Ichikawa+	E1853
<i>p,f</i>	¹⁴⁸ Pr	CS	2JPNJAE	1.5+07	Jour	NIM/A,374,330	96	S.Ichikawa+	E1853
<i>p,f</i>	¹⁴⁸ Pr	CS	2JPNTOH	2.4+07	Jour	ZP/A,347,53	93	M.Tanikawa+	E1855
<i>p,f</i>	¹⁵² Nd	CS	2JPNJAE	1.5+07	Jour	NIM/A,374,330	96	S.Ichikawa+	E1853
<i>p,f</i>	¹⁵⁶ Pm	CS	2JPNJAE	1.5+07	Jour	NIM/A,374,330	96	S.Ichikawa+	E1853
<i>p,f</i>	¹⁶⁰ Eu	CS	2JPNJAE	1.5+07	Jour	NIM/A,374,330	96	S.Ichikawa+	E1853
<i>p,t</i>	²³⁶ U	DAP	2JPNTOK	5.2+07	Jour	NP/A,436,(2),221	Apr 85	K.Miura+	E1615
¹⁶ O,f	Many	CS	3CPRIMP	1.1+09	Jour	JRN,251,341	02	Xuyanbing+	A0587

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Neptunium

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Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,f</i>		CS	2JPNJAE	9.5+06	3.1+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁵ Kr	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁷ Kr	CS	2JPNJAE	1.0+07	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁸ Kr	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹¹ Sr	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹² Sr	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹³ Y	CS	2JPNJAE	1.0+07	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁵ Zr	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁷ Zr	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁹ Mo	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁰³ Ru	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁰⁵ Rh	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹² Pd	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹¹ Ag	CS	2JPNJAE	1.2+07	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹³ Ag	CS	2JPNJAE	1.0+07	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹⁵ Cd	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹⁷ Cd	CS	2JPNJAE	1.1+07	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁶ Sb	CS	2JPNJAE	1.1+07	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁷ Sb	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁸ Sb	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁹ Sb	CS	2JPNJAE	9.8+06	2.9+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³² Te	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁰ I	CS	2JPNJAE	1.2+07	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³¹ I	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³³ I	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁵ I	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁶ Cs	CS	2JPNJAE	1.0+07	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁹ Ba	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴⁰ Ba	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴² La	CS	2JPNJAE	1.1+07	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴¹ Ce	CS	2JPNJAE	1.0+07	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411

<i>p,f</i>	¹⁴³ Ce	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴⁹ Nd	CS	2JPNJAE	9.8+06	3.2+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁵¹ Pm	CS	2JPNJAE	1.4+07	2.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁵³ Sm	CS	2JPNJAE	1.2+07	2.9+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411

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Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,f</i>	?		4RUSFEI	2.9+00		Jour	YK,2001,(1),67	01	V.M.Piksaykin+	41419
<i>n,f</i>	?		4RUSFEI	3.7+05	5.0+06	Jour	YK,2001,(1),62	01	V.M.Piksaykin+	41415
<i>n,f</i>	Many	FY	4RUSFEI	Maxwl		Conf	2001DUBNA,,225	May 01	S.G.Isaev+	41423
<i>n,f</i>	Many	CHG	4RUSFEI	Maxwl		Conf	2001DUBNA,,225	May 01	S.G.Isaev+	41423
<i>p,f</i>		CS	2JPNJAE	9.7+06	1.5+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁵ Kr	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁷ Kr	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁸ Kr	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹¹ Sr	CS	2JPNJAE	9.8+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹² Sr	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹³ Y	CS	2JPNJAE	9.8+06	1.5+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁵ Zr	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁷ Zr	CS	2JPNJAE	9.8+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁹ Mo	CS	2JPNJAE	9.8+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁰³ Ru	CS	2JPNJAE	9.8+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁰⁵ Rh	CS	2JPNJAE	9.8+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹² Pd	CS	2JPNJAE	9.8+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹¹ Ag	CS	2JPNJAE	1.2+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹³ Ag	CS	2JPNJAE	1.2+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹⁵ Cd	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹⁷ Cd	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁶ Sb	CS	2JPNJAE	1.2+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁷ Sb	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁸ Sb	CS	2JPNJAE	1.3+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁹ Sb	CS	2JPNJAE	1.2+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³² Te	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁰ I	CS	2JPNJAE	1.6+07		Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³¹ I	CS	2JPNJAE	9.8+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³³ I	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁵ I	CS	2JPNJAE	9.8+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁶ Cs	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁹ Ba	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴⁰ Ba	CS	2JPNJAE	9.8+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴² La	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴¹ Ce	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴³ Ce	CS	2JPNJAE	9.8+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴⁹ Nd	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁵¹ Pm	CS	2JPNJAE	1.4+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411

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Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>p,f</i>		CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411

<i>p,f</i>	⁸⁵ Kr	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁷ Kr	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁸ Kr	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹¹ Sr	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹² Sr	CS	2JPNJAE	1.8+07		Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹³ Y	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁵ Zr	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁷ Zr	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁹ Mo	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁰³ Ru	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁰⁵ Rh	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹² Pd	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹³ Ag	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹⁵ Cd	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹⁷ Cd	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁷ Sb	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁹ Sb	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³² Te	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁰ I	CS	2JPNJAE	1.8+07		Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³¹ I	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³³ I	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁵ I	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁶ Cs	CS	2JPNJAE	1.2+07		Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁹ Ba	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴⁰ Ba	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴² La	CS	2JPNJAE	1.8+07		Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴¹ Ce	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴³ Ce	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴⁹ Nd	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁵¹ Pm	CS	2JPNJAE	1.8+07		Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁵³ Sm	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411

94

Plutonium

244

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max					
<i>p,f</i>		CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	Many	FY	2JPNJAE	1.5+07		Jour	JRN,239,(1),113	99	Y.L.Zhao+	E1851
<i>p,f</i>	⁸⁵ Kr	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁷ Kr	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁸ Kr	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹¹ Sr	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹² Sr	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹³ Y	CS	2JPNJAE	1.3+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁵ Zr	CS	2JPNJAE	1.3+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁷ Zr	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁹ Mo	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁰³ Ru	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁰⁵ Rh	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹² Pd	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹¹ Ag	CS	2JPNJAE	1.2+07	1.4+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹³ Ag	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹⁵ Cd	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹⁷ Cd	CS	2JPNJAE	1.4+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁶ Sb	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411

<i>p,f</i>	¹²⁷ Sb	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁸ Sb	CS	2JPNJAE	1.0+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁹ Sb	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³² Te	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁰ I	CS	2JPNJAE	1.3+07	1.4+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³¹ I	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³³ I	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁵ I	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹³⁹ Ba	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴⁰ Ba	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴² La	CS	2JPNJAE	1.0+07	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁴² La	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴³ La	CS	2JPNJAE	1.0+07	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁴¹ Ce	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴³ Ce	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁴⁶ Ce	CS	2JPNJAE	1.0+07	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁴⁷ Pr	CS	2JPNJAE	1.0+07	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁴⁹ Nd	CS	2JPNJAE	1.0+07	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁴⁹ Nd	CS	2JPNJAE	1.0+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁵¹ Nd	CS	2JPNJAE	1.0+07	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁵² Nd	CS	2JPNJAE	1.0+07	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁵¹ Pm	CS	2JPNJAE	1.3+07		Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁵³ Sm	CS	2JPNJAE	1.0+07	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁵³ Sm	CS	2JPNJAE	1.2+07	1.8+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁵⁵ Sm	CS	2JPNJAE	1.0+07	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁵⁶ Sm	CS	2JPNJAE	1.0+07	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁵⁷ Sm	CS	2JPNJAE	1.0+07	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁵⁸ Eu	CS	2JPNJAE	1.0+07	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁵⁹ Eu	CS	2JPNJAE	1.0+07	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁶² Tb	CS	2JPNJAE	1.0+07	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850
<i>p,f</i>	¹⁶³ Tb	CS	2JPNJAE	1.2+07	1.6+07	Jour	RCA,76,173	97	K.Tsukada+	E1850

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Americium

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Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max					
<i>p,f</i>		CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁵ Kr	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁷ Kr	CS	2JPNJAE	1.0+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁸⁸ Kr	CS	2JPNJAE	1.1+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹¹ Sr	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹² Sr	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹³ Y	CS	2JPNJAE	1.0+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁵ Zr	CS	2JPNJAE	1.4+07		Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁷ Zr	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	⁹⁹ Mo	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁰³ Ru	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹⁰⁵ Rh	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹² Pd	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹¹ Ag	CS	2JPNJAE	1.4+07	1.5+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹³ Ag	CS	2JPNJAE	1.2+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹⁵ Cd	CS	2JPNJAE	1.0+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹¹⁷ Cd	CS	2JPNJAE	1.2+07	1.5+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁶ Sb	CS	2JPNJAE	1.4+07	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411
<i>p,f</i>	¹²⁷ Sb	CS	2JPNJAE	9.0+06	1.6+07	Jour	PR/C,44,(4),1405	Oct 91	T.Ohtsuki+	E1411

<i>p,f</i>	⁹² Sr	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	⁹³ Y	CS	2JPNJAE	1.0+07	1.6+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	⁹⁵ Zr	CS	2JPNJAE	1.6+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	⁹⁷ Zr	CS	2JPNJAE	1.2+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	⁹⁹ Mo	CS	2JPNJAE	1.0+07	1.6+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹⁰⁴ Tc	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹⁰³ Ru	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹⁰⁵ Ru	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹⁰⁷ Rh	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹¹² Pd	CS	2JPNJAE	1.0+07	1.6+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹¹³ Ag	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹¹⁵ Cd	CS	2JPNJAE	1.3+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹¹⁷ Cd	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹²⁷ Sn	CS	2JPNJAE	1.5+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹²⁸ Sn	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹²⁶ Sb	CS	2JPNJAE	1.8+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹²⁷ Sb	CS	2JPNJAE	1.2+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹²⁹ Sb	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹³² Te	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹³³ Te	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹³¹ I	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹³³ I	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹³⁵ I	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹³⁶ Cs	CS	2JPNJAE	1.2+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹³⁸ Cs	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹³⁹ Ba	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹⁴⁰ Ba	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹⁴¹ Ba	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹⁴² La	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹⁴¹ Ce	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹⁴³ Ce	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹⁴⁷ Nd	CS	2JPNJAE	1.3+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹⁴⁹ Nd	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹⁵¹ Pm	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹⁵³ Sm	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹⁵⁵ Sm	CS	2JPNJAE	1.8+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852
<i>p,f</i>	¹⁵⁶ Sm	CS	2JPNJAE	1.0+07	2.0+07	Jour	RCA,84,115	99	Z.Qin+	E1852

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Californium

252

Reaction	Product	Quantity	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
0,f		DE	4RUSRI	Spont		Conf	80KIEV,3,109	Sep 80	M.V.Blinov+	40535