

EXFOR News (August 2012)

New experimental data available from Nuclear Reaction Data Centres

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Quantity codes

ALF	α -value ($\sigma_{\text{capt}}/\sigma_{\text{fis}}$)	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	Fission neutron multiplicity $\bar{\nu}$
D3A	Triple differential $d\Omega_1/d\Omega_2/dE'$	NUD	Delayed fission neutron multiplicity $\bar{\nu}_d$
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	η -value $\bar{\nu}\sigma_{\text{fis}}/(\sigma_{\text{capt}} + \sigma_{\text{fis}})$	TTD	Differential thick target yield, $d/d\Omega$
EVL	Evaluation	TTP	Partial thick target yield

Special codes in outgoing particle field

abs	Absorption	fus	Fusion	sc	Scattering	tot	Total
el	Elastic	inel	Inelastic	tcx	Total charge changing		
fis	Fission	non	Nonelastic	ths	Thermal scattering		

Special codes in incident energy field

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

^a [NNDC](#) (USA), [NEADB](#) (France), [NDS](#) (Austria), [CJD](#) (Russia), [CNDC](#) (China), [ATOMKI](#) (Hungary), [NDPCI](#) (India), [JAEA](#) (Japan), [JCPRG](#) (Japan), [KAERI](#) (Korea), [CAJaD](#) (Russia), [CDFE](#) (Russia), [CNPD](#) (Russia), [UkrNDC](#) (Ukraine)

1 Hydrogen 1

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^2H	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102
$^{17}\text{O},\gamma$	^{18}F	?	1CANTMF	2.6+05	4.7+05	Jour	PR/C,85,035803		12	U.Hager+	C1905

1 Hydrogen 2

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^3H	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102
$^{11}\text{C},n$	^{12}N	?	1USABRK	1.5+08	1.5+08	Jour	JP/G,38,075201		11	D.W.Lee+	C1903
$^{12}\text{C},n$	^{13}N	?	1USABRK	2.2+07	2.2+07	Jour	JP/G,38,075201		11	D.W.Lee+	C1903

2 Helium 3

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^4He	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

3 Lithium 6

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
$p,p+d$	^4He	D3A	1USASRE	5.9+08	5.9+08	Jour	PR/C,11,(2),420		75	P.Kitching+	C1914

3 Lithium 7

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^8Li	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102
p,n	^7Be	DAE	3INDTRM	7.8+06	7.8+06	Jour	EPJ/A,48,35		12	P.M.Prajapati+	33040
$p,x+n$	inclusive	DAE	3INDTRM	1.8+07	1.8+07	Jour	EPJ/A,48,35		12	P.M.Prajapati+	33040

4 Beryllium 9

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{10}Be	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102
$d,x+n$	inclusive	TTD	1USAANL	2.6+06	7.0+06	Rept	ANL-NDM-124		91	J.V.Meadows	C1904
$^7\text{Li},x+\alpha$	inclusive	DAE	3INDNSD	2.4+07	2.4+07	Jour	EPJ/A,44,385		10	S.Verma+	D6083
$^7\text{Be},^6\text{Li}$	^{10}B	DAP	3INDNSD	1.9+07	2.1+07	Jour	EPJ/A,44,385		10	S.Verma+	D6083

⁴⁸ Cr,x	⁴⁹ Mn	CS	1USAMSU	5.7+07	5.7+07	Jour	PR/C,85,014610	12	S.Mcdaniel+	C1893
⁴⁸ Cr,x	⁴⁹ Mn	CSP	1USAMSU	5.7+07	5.7+07	Jour	PR/C,85,014610	12	S.Mcdaniel+	C1893
⁵⁰ Fe,x	⁵¹ Co	CS	1USAMSU	6.1+07	6.1+07	Jour	PR/C,85,014610	12	S.Mcdaniel+	C1893

6 Carbon 12

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,γ</i>	¹³ C	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
<i>p,x</i>	¹¹ C	CS	1USALAS	8.0+08	8.0+08	Jour	PR/C,14,(2),753	76	K.R.Hogstrom	C1911
¹⁶ O,γ	²⁸ Si	CS	1CANTMF	6.6+06	7.2+06	Jour	EPJ/CS,17,06002	11	A.Goasduff+	C1889
⁴⁸ Cr,x	⁴⁹ Mn	CS	1USAMSU	5.7+07	5.7+07	Jour	PR/C,85,014610	12	S.Mcdaniel+	C1893
⁴⁸ Cr,x	⁴⁹ Mn	CSP	1USAMSU	5.7+07	5.7+07	Jour	PR/C,85,014610	12	S.Mcdaniel+	C1893
⁵⁰ Fe,x	⁵¹ Co	CS	1USAMSU	6.1+07	6.1+07	Jour	PR/C,85,014610	12	S.Mcdaniel+	C1893

6 Carbon 13

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,γ</i>	¹⁴ C	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
<i>p,n</i>	¹³ N	CS	1USALAS	1.6+07	2.3+07	Jour	PR/C,11,(6),2099	75	D.A.Lind+	C1912
<i>p,n</i>	¹³ N	CSP	1USALAS	1.6+07	2.3+07	Jour	PR/C,11,(6),2099	75	D.A.Lind+	C1912
<i>p,n</i>	¹³ N	DAP	1USALAS	1.6+07	2.3+07	Jour	PR/C,11,(6),2099	75	D.A.Lind+	C1912

6 Carbon 14

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,γ</i>	¹⁵ C	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

7 Nitrogen 14

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,γ</i>	¹⁵ N	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

7 Nitrogen 15

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,γ</i>	¹⁶ N	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

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Oxygen

16

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{17}O	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

8

Oxygen

18

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{19}O	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

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Fluorine

19

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{20}F	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

10

Neon

20

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{21}Ne	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

10

Neon

21

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{22}Ne	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

10

Neon

22

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{23}Ne	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

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Sodium

23

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{24}Na	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

12

Magnesium

24

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{25}Mg	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

12

Magnesium

25

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{26}Mg	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

12

Magnesium

26

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{27}Mg	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

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Aluminium

26

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{27}Al	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

13

Aluminium

27

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{28}Al	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102
$d,2p$	^{27}Mg	CS	3ARGCNE	1.5+07	2.8+07	Jour	ZP,150,653			58	R.Radicella+	D0023
d,p	^{28}Al	CS	3ARGCNE	2.2+06	1.3+07	Jour	PR,127,1246			62	J.M.Flores	D0024

14

Silicon

28

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{29}Si	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

14

Silicon

29

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{30}Si	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

14 Silicon 30

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	³¹ Si	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

15 Phosphorus 31

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	³² P	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

16 Sulphur 32

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	³³ S	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

16 Sulphur 33

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	³⁴ S	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

16 Sulphur 34

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	³⁵ S	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

16 Sulphur 36

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	³⁷ S	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

17 Chlorine 35

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	³⁶ Cl	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

17

Chlorine

36

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	³⁷ Cl	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

17

Chlorine

37

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	³⁸ Cl	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

18

Argon

36

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	³⁷ Ar	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

18

Argon

38

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	³⁹ Ar	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

18

Argon

39

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	⁴⁰ Ar	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

18

Argon

40

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	⁴¹ Ar	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

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Potassium

39

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	⁴⁰ K	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

19

Potassium

40

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{41}K	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

19

Potassium

41

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{42}K	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

20

Calcium

40

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
0,0		NQ	3SAFITH	Spont		Jour	PR/C,84,054322			11	I.Uzman+	D0687
n,γ	^{41}Ca	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102
p,inel	^{40}Ca	DAE	3SAFITH	2.0+08	2.0+08	Jour	PR/C,84,054322			11	I.Uzman+	D0687

20

Calcium

41

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{42}Ca	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

20

Calcium

42

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{43}Ca	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

20

Calcium

43

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{44}Ca	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

20

Calcium

44

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

<i>n,γ</i>	⁴⁵ Ca	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				20	Calcium			45		
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
<i>n,γ</i>	⁴⁶ Ca	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				20	Calcium			46		
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
<i>n,γ</i>	⁴⁷ Ca	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				20	Calcium			48		
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
<i>n,γ</i>	⁴⁹ Ca	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				21	Scandium			45		
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
<i>n,γ</i>	⁴⁶ Sc	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				22	Titanium			46		
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
<i>p,x</i>	⁴⁸ V	CS	1USATAM	6.9+06	1.6+07	Jour	NIM/B,276,62	12	M.E.Bennett+	C1909
<i>p,x</i>	⁴⁸ V	TT	3IRNKRJ	5.0+06	2.0+07	Jour	JRN,293,7	12	M.Sadeghi+	D0690
				22	Titanium			46		
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
<i>n,γ</i>	⁴⁷ Ti	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
<i>p,γ</i>	⁴⁷ V	CS	3AULAML	7.2+05	2.8+06	Jour	NP/A,368,337	81	S.R.Kennett+	D0683
<i>p,incl</i>	⁴⁶ Ti	CSP	3AULAML	1.6+06	3.0+06	Jour	NP/A,368,337	81	S.R.Kennett+	D0683

22 Titanium 47

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{48}Ti	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102
p,γ	^{48}V	CS	3AULAML	7.6+05	4.1+06	Jour	NP/A,368,337		81	S.R.Kennett+	D0683
p,inel	^{47}Ti	CSP	3AULAML	7.2+05	4.4+06	Jour	NP/A,368,337		81	S.R.Kennett+	D0683
p,n	^{47}V	CS	3AULAML	3.8+06	4.4+06	Jour	NP/A,368,337		81	S.R.Kennett+	D0683

22 Titanium 48

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{49}Ti	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102
$p,2p$	^{47}Sc	CS	1USABRK	3.0+08	4.6+09	Jour	PR/C,11,(2),541		75	N.P.Jacobjr.+	C1913
$p,2p$	^{47}Sc	?	1USABRK			Jour	PR/C,11,(2),541		75	N.P.Jacobjr.+	C1913
p,γ	^{49}V	CS	3AULAML	8.0+05	3.2+06	Jour	NP/A,368,337		81	S.R.Kennett+	D0683
p,inel	^{48}Ti	CSP	3AULAML	1.5+06	3.5+06	Jour	NP/A,368,337		81	S.R.Kennett+	D0683

22 Titanium 49

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{50}Ti	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

22 Titanium 50

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{51}Ti	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

23 Vanadium 50

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{51}V	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

23 Vanadium 51

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{52}V	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

24 Chromium 50

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	⁵¹ Cr	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

24 Chromium 51

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	⁵² Cr	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

24 Chromium 52

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	⁵³ Cr	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

24 Chromium 53

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	⁵⁴ Cr	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

24 Chromium 54

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	⁵⁵ Cr	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

25 Manganese 55

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	⁵⁶ Mn	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102
p,n	⁵⁵ Fe	TT	3IRNKRJ	2.0+06	1.8+07	Jour	JRN,293,1			12	M.Sadeghi+	D0689

26 Iron 54

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	⁵⁵ Fe	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

26 Iron 55

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	⁵⁶ Fe	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

26 Iron 56

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	⁵⁷ Fe	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

26 Iron 57

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	⁵⁸ Fe	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

26 Iron 58

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	⁵⁹ Fe	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

26 Iron 60

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	⁶¹ Fe	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

27 Cobalt 59

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	⁶⁰ Co	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

28 Nickel 58

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	⁵⁹ Ni	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102
π^+,x	Many	CS	1USALAS	1.0+08	2.2+08	Jour	PRL,35,(10),641			75	H.E.Jackson+	C1896
π^-,x	Many	CS	1USALAS	2.2+08	2.2+08	Jour	PRL,35,(10),641			75	H.E.Jackson+	C1896

p,x	Many	CS	1USALAS	2.0+08	2.0+08	Jour	PRL,35,(10),641	75	H.E.Jackson+	C1896
$^{132}\text{Sn},\text{fus}$		CS	1USAORL	1.7+08	2.0+08	Jour	PR/C,85,031601	12	J.F.Liang+	C1908

28 Nickel 59

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{60}Ni	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

28 Nickel 60

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{61}Ni	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
π^+,x	Many	CS	1USALAS	2.2+08	2.2+08	Jour	PRL,35,(10),641	75	H.E.Jackson+	C1896
π^-,x	Many	CS	1USALAS	2.2+08	2.2+08	Jour	PRL,35,(10),641	75	H.E.Jackson+	C1896
p,x	Many	CS	1USALAS	2.0+08	2.0+08	Jour	PRL,35,(10),641	75	H.E.Jackson+	C1896

28 Nickel 61

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{62}Ni	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

28 Nickel 62

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{63}Ni	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

28 Nickel 63

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{64}Ni	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

28 Nickel 64

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{65}Ni	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
$^{124}\text{Sn},\text{fus}$		CS	1USAORL	1.8+08	2.2+08	Jour	PR/C,85,031601	12	J.F.Liang+	C1908
$^{126}\text{Sn},\text{fus}$		CS	1USAORL	1.8+08	2.2+08	Jour	PR/C,85,031601	12	J.F.Liang+	C1908
$^{127}\text{Sn},\text{fus}$		CS	1USAORL	1.8+08	2.1+08	Jour	PR/C,85,031601	12	J.F.Liang+	C1908

¹²⁸Sn,fus CS 1USAORL 1.8+08 2.1+08 Jour [PR/C,85,031601](#) 12 J.F.Liang+ [C1908](#)

29 Copper 63

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
<i>n,γ</i>	⁶⁴ Cu	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

29 Copper 65

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
<i>n,γ</i>	⁶⁶ Cu	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

30 Zinc 64

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
<i>n,γ</i>	⁶⁵ Zn	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

30 Zinc 65

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
<i>n,γ</i>	⁶⁶ Zn	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

30 Zinc 66

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
<i>n,γ</i>	⁶⁷ Zn	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

30 Zinc 67

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
<i>n,γ</i>	⁶⁸ Zn	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

30 Zinc 68

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

<i>n,γ</i>	⁶⁹ Zn	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102	
				30		Zinc	70			
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
<i>n,γ</i>	⁷¹ Zn	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102	
				31		Gallium	69			
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
<i>n,γ</i>	⁷⁰ Ga	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102	
				31		Gallium	71			
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
<i>n,γ</i>	⁷² Ga	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102	
				32		Germanium	70			
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
<i>n,γ</i>	⁷¹ Ge	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102	
				32		Germanium	72			
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
<i>n,γ</i>	⁷³ Ge	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102	
				32		Germanium	73			
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
<i>n,γ</i>	⁷⁴ Ge	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102	

32

Germanium

74

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{75}Ge	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102
$p,2p$	^{73}Ga	CS	1USABRK	4.0+08	4.6+09	Jour	PR/C,11,(2),541		75	N.P.Jacobjr.+	C1913
$p,2p$	^{73}Ga	?	1USABRK			Jour	PR/C,11,(2),541		75	N.P.Jacobjr.+	C1913

32

Germanium

76

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{77}Ge	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

33

Arsenic

75

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{76}As	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

34

Selenium

74

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{75}Se	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

34

Selenium

76

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{77}Se	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

34

Selenium

77

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{78}Se	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

34

Selenium

78

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{79}Se	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

34

Selenium

79

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{80}Se	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

34

Selenium

80

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{81}Se	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

34

Selenium

82

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{83}Se	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

35

Bromine

79

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{80}Br	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

35

Bromine

81

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{82}Br	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

36

Krypton

78

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{79}Kr	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

36

Krypton

79

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{80}Kr	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

36

Krypton

80

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{81}Kr	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

36

Krypton

81

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{82}Kr	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

36

Krypton

82

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{83}Kr	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

36

Krypton

83

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{84}Kr	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

36

Krypton

84

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{85}Kr	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

36

Krypton

85

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{86}Kr	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

36

Krypton

86

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{87}Kr	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

37

Rubidium

85

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
$n,2n$	^{84}Rb	CS	3CPRNPC	1.3+07	1.5+07	Jour	NSE,169,(2),188		11	Chuanxinzhu+	32696
n,γ	^{86}Rb	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

37

Rubidium

86

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{87}Rb	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

37

Rubidium

87

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
$n,2n$	^{86}Rb	CS	3CPRNPC	1.3+07	1.5+07	Jour	NSE,169,(2),188		11	Chuanxinzhu+	32696
n,γ	^{88}Rb	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

38

Strontium

84

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{85}Sr	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

38

Strontium

86

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{87}Sr	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

38

Strontium

87

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{88}Sr	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

38

Strontium

88

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

n,γ	^{89}Sr	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				38		Strontium				89
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
n,γ	^{90}Sr	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				39		Yttrium				89
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
$n,2n$	^{88}Y	CS	3CPNPC	1.3+07	1.5+07	Jour	NSE,169,(2),188	11	Chuanxinzhu+	32696
n,γ	^{90}Y	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				40		Zirconium				90
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
n,γ	^{91}Zr	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				40		Zirconium				91
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
n,γ	^{92}Zr	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				40		Zirconium				92
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
n,γ	^{93}Zr	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
p,n	^{92}Nb	CS	1USAKTY	2.9+06	6.5+06	Jour	PR/C,20,(5),1700	79	D.S.Flynn+	C1900
				40		Zirconium				93
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
n,γ	^{94}Zr	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

40 Zirconium 94

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
<i>n,γ</i>	⁹⁵ Zr	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102
<i>p,n</i>	⁹⁴ Nb	CS	1USAКТY	1.9+06	6.7+06	Jour	PR/C,20,(5),1700		79	D.S.Flynn+	C1900

40 Zirconium 95

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
<i>n,γ</i>	⁹⁶ Zr	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

40 Zirconium 96

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
<i>n,γ</i>	⁹⁷ Zr	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

41 Niobium 93

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
<i>n,0</i>		RP	3KORPUE			Jour	IJP,85,329		11	A.K.M.M.H.Meaze+	30828
<i>n,γ</i>	⁹⁴ Nb	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102
<i>p,x+³He</i>	inclusive	DAE	3SAFITH	1.6+08	1.6+08	Jour	PR/C,85,054622		12	A.A.Cowley+	D0688
<i>p,x+³He</i>	inclusive	POD	3SAFITH	1.6+08	1.6+08	Jour	PR/C,85,054622		12	A.A.Cowley+	D0688

41 Niobium 94

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
<i>n,γ</i>	⁹⁵ Nb	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

41 Niobium 95

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
<i>n,γ</i>	⁹⁶ Nb	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

42 Molybdenum 92

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

<i>n,γ</i>	⁹³ Mo	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
<i>n,p</i>	⁹² Nb	CS	3INDTRM	3.2+06	3.2+06	Jour	NSE,170,44	12	M.Bhike+	33038

42 Molybdenum 94

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max					
<i>n,γ</i>	⁹⁵ Mo	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
<i>p,n</i>	⁹⁴ Tc	CS	1USAKTY	5.1+06	6.6+06	Jour	PR/C,20,(5),1700	79	D.S.Flynn+	C1900

42 Molybdenum 95

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max					
<i>n,γ</i>	⁹⁶ Mo	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
<i>p,n</i>	⁹⁵ Tc	CS	1USAKTY	2.5+06	6.7+06	Jour	PR/C,20,(5),1700	79	D.S.Flynn+	C1900

42 Molybdenum 96

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max					
<i>n,γ</i>	⁹⁷ Mo	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
<i>p,n</i>	⁹⁶ Tc	CS	1USAKTY	3.8+06	6.7+06	Jour	PR/C,20,(5),1700	79	D.S.Flynn+	C1900

42 Molybdenum 97

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max					
<i>n,γ</i>	⁹⁸ Mo	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

42 Molybdenum 98

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max					
<i>n,γ</i>	⁹⁹ Mo	CS	3INDTRM	3.2+06	3.2+06	Jour	NSE,170,44	12	M.Bhike+	33038
<i>n,γ</i>	⁹⁹ Mo	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
<i>p,n</i>	⁹⁸ Tc	CS	1USAKTY	2.5+06	6.8+06	Jour	PR/C,20,(5),1700	79	D.S.Flynn+	C1900

42 Molybdenum 99

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max					
<i>n,γ</i>	¹⁰⁰ Mo	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

42 Molybdenum 100

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{101}Mo	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

43 Technetium 99

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{100}Tc	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

44 Ruthenium 96

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{97}Ru	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

44 Ruthenium 98

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{99}Ru	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

44 Ruthenium 99

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{100}Ru	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

44 Ruthenium 100

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{101}Ru	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

44 Ruthenium 101

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{102}Ru	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

44 Ruthenium 102

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{103}Ru	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

44 Ruthenium 103

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{104}Ru	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

44 Ruthenium 104

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{105}Ru	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

45 Rhodium 103

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{104}Rh	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

46 Palladium

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
p,x	^{103}Ag	CS	3KORKRM	1.3+07	4.0+07	Jour	NIM/B,274,148			12	M.U.Khandaker+	D7005
p,x	^{104}Ag	CS	3KORKRM	6.6+06	4.0+07	Jour	NIM/B,274,148			12	M.U.Khandaker+	D7005

46 Palladium 102

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{103}Pd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

46 Palladium 104

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{105}Pd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

46

Palladium

105

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
$n,0$	^{106}Pd	RP	3KORPUE			Jour	IJP,85,329			11	A.K.M.M.H.Meaze+	30828
n,γ		CS	2GERKFK	Maxwl			Jour	AND,76,70			00	Z.Y.Bao+

46

Palladium

106

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
$n,0$	^{107}Pd	RP	3KORPUE			Jour	IJP,85,329			11	A.K.M.M.H.Meaze+	30828
n,γ		CS	2GERKFK	Maxwl			Jour	AND,76,70			00	Z.Y.Bao+

46

Palladium

107

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{108}Pd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

46

Palladium

108

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
$n,0$	^{109}Pd	RP	3KORPUE			Jour	IJP,85,329			11	A.K.M.M.H.Meaze+	30828
n,γ		CS	2GERKFK	Maxwl			Jour	AND,76,70			00	Z.Y.Bao+

46

Palladium

110

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
$n,0$	^{111}Pd	RP	3KORPUE			Jour	IJP,85,329			11	A.K.M.M.H.Meaze+	30828
n,γ		CS	2GERKFK	Maxwl			Jour	AND,76,70			00	Z.Y.Bao+

47

Silver

107

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{108}Ag	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

47

Silver

109

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{110}Ag	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

47

Silver

110

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{111}Ag	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

48

Cadmium

106

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{107}Cd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102
α,el	^{106}Cd	DA	1USANOT	1.7+07	2.7+07	Jour	PR/C,85,035808			12	A.Palumbo+	C1739

48

Cadmium

108

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{109}Cd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

48

Cadmium

110

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{111}Cd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102
α,el	^{110}Cd	DA	3HUNDEB	1.6+07	1.9+07	Jour	PR/C,83,065807			11	G.G.Kiss+	D4251

48

Cadmium

111

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{112}Cd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

48

Cadmium

112

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{113}Cd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

48 Cadmium 113

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
<i>n,γ</i>	¹¹⁴ Cd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

48 Cadmium 114

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
<i>n,γ</i>	¹¹⁵ Cd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

48 Cadmium 115

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
<i>n,γ</i>	¹¹⁶ Cd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102
<i>n,γ</i>	¹¹⁶ Cd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

48 Cadmium 116

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
<i>n,γ</i>	¹¹⁷ Cd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102
<i>α,el</i>	¹¹⁶ Cd	DA	3HUNDEB	1.6+07	1.9+07	Jour	PR/C,83,065807			11	G.G.Kiss+	D4251

49 Indium 113

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
<i>n,γ</i>	¹¹⁴ In	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

49 Indium 114

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
<i>n,γ</i>	¹¹⁵ In	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

49 Indium 115

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

n,γ	^{116}In	CS	3INDTRM	3.2+06	3.2+06	Jour	NSE,170,44	12	M.Bhike+	33038
n,γ	^{116}In	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				50			Tin			112
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
n,γ	^{113}Sn	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				50			Tin			114
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
n,γ	^{115}Sn	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				50			Tin			115
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
n,γ	^{116}Sn	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				50			Tin			116
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
n,γ	^{117}Sn	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				50			Tin			117
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
n,γ	^{118}Sn	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				50			Tin			118
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
n,γ	^{119}Sn	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
α,el	^{118}Sn	DA	1USANOT	1.7+07	2.7+07	Jour	PR/C,85,035808	12	A.Palumbo+	C1739

50

Tin

119

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{120}Sn	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102
π^-, fis		CS	1USABNL	5.0+08	6.7+08	Jour	CPL,28,092501			11	M.A.Rana+	C1891

50

Tin

120

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{121}Sn	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102
p,t	^{118}Sn	DAE	3SAFITH	5.0+07	6.0+07	Jour	PR/C,83,037302			11	B.Mouginot+	D0677

50

Tin

121

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{122}Sn	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

50

Tin

122

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{123}Sn	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

50

Tin

124

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{125}Sn	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

50

Tin

125

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{126}Sn	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

50

Tin

126

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{127}Sn	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

51 Antimony 121

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	¹²² Sb	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

51 Antimony 122

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	¹²³ Sb	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

51 Antimony 123

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	¹²⁴ Sb	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

51 Antimony 125

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	¹²⁶ Sb	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

52 Tellurium 120

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
γ,n	¹¹⁹ Te	CS	4ZZZDUB		2.5+07	Jour	JRN,289,637			11	Tranducthiep+	M0847
n,γ	¹²¹ Te	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102
α,n	¹²³ Xe	CS	1USANOT	1.0+07	1.1+07	Jour	PR/C,85,028801			12	A.Palumbo+	C1888

52 Tellurium 122

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
γ,n	¹²¹ Te	CS	4ZZZDUB		1.4+07	Jour	JRN,289,637			11	Tranducthiep+	M0847
n,γ	¹²³ Te	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

52 Tellurium 123

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
$\gamma, 2n$	^{121}Te	CS	4ZZZDUB		2.5+07	Jour	JRN,289,637		11	Tranducthiep+	M0847
n, γ	^{124}Te	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

52 Tellurium 124

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n, γ	^{125}Te	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102
α, el	^{124}Te	DA	1USANOT	1.7+07	2.7+07	Jour	PR/C,85,035808		12	A.Palumbo+	C1739

52 Tellurium 125

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n, γ	^{126}Te	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

52 Tellurium 126

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n, γ	^{127}Te	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102
α, el	^{126}Te	DA	1USANOT	1.7+07	2.2+07	Jour	PR/C,85,035808		12	A.Palumbo+	C1739

52 Tellurium 128

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
γ, n	^{127}Te	CS	4ZZZDUB		2.5+07	Jour	JRN,289,637		11	Tranducthiep+	M0847
n, γ	^{129}Te	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102
α, el	^{128}Te	DA	1USANOT	1.7+07	2.7+07	Jour	PR/C,85,035808		12	A.Palumbo+	C1739

52 Tellurium 130

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
γ, n	^{129}Te	CS	4ZZZDUB		2.5+07	Jour	JRN,289,637		11	Tranducthiep+	M0847
n, γ	^{131}Te	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102
α, el	^{130}Te	DA	1USANOT	1.7+07	2.7+07	Jour	PR/C,85,035808		12	A.Palumbo+	C1739

53

Iodine

127

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{128}I	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

53

Iodine

129

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{130}I	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

54

Xenon

124

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{125}Xe	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

54

Xenon

126

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{127}Xe	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

54

Xenon

128

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{129}Xe	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

54

Xenon

129

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{130}Xe	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

54

Xenon

130

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{131}Xe	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

54

Xenon

131

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{132}Xe	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

54

Xenon

132

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{133}Xe	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

54

Xenon

133

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{134}Xe	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

54

Xenon

134

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{135}Xe	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

54

Xenon

136

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{137}Xe	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

55

Caesium

133

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{134}Cs	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102
p,x	Many	CS	1USASRE	5.5+08	5.5+08	Jour	PR/C,15,(2),719			77	M.A.Molecke+	C1899

55

Caesium

134

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{135}Cs	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

55

Caesium

135

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{136}Cs	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

56

Barium

130

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
γ,n	^{129}Ba	CS	4ZZZDUB		2.4+07	Jour	JRN,292,89			12	Tranducthiep+	M0849
n,γ	^{131}Ba	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

56

Barium

132

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
γ,n	^{131}Ba	CS	4ZZZDUB		2.4+07	Jour	JRN,292,89			12	Tranducthiep+	M0849
n,γ	^{133}Ba	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

56

Barium

134

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
γ,n	^{133}Ba	CS	4ZZZDUB		2.4+07	Jour	JRN,292,89			12	Tranducthiep+	M0849
n,γ	^{135}Ba	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

56

Barium

135

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{136}Ba	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

56

Barium

136

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{137}Ba	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

56

Barium

137

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

n,γ	^{138}Ba	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102	
				56	Barium		138			
Reaction	Product	Quant.	Lab.	Energy (eV) Min Max		Type	Documentation Ref Vol Page	Date	Author	Data #
n,γ	^{139}Ba	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102	
				57	Lanthanum		139			
Reaction	Product	Quant.	Lab.	Energy (eV) Min Max		Type	Documentation Ref Vol Page	Date	Author	Data #
n,γ	^{140}La	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102	
				58	Cerium		132			
Reaction	Product	Quant.	Lab.	Energy (eV) Min Max		Type	Documentation Ref Vol Page	Date	Author	Data #
n,γ	^{133}Ce	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102	
				58	Cerium		133			
Reaction	Product	Quant.	Lab.	Energy (eV) Min Max		Type	Documentation Ref Vol Page	Date	Author	Data #
n,γ	^{134}Ce	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102	
				58	Cerium		134			
Reaction	Product	Quant.	Lab.	Energy (eV) Min Max		Type	Documentation Ref Vol Page	Date	Author	Data #
n,γ	^{135}Ce	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102	
				58	Cerium		135			
Reaction	Product	Quant.	Lab.	Energy (eV) Min Max		Type	Documentation Ref Vol Page	Date	Author	Data #
n,γ	^{136}Ce	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102	

58 Cerium

136

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{137}Ce	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

58 Cerium

137

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{138}Ce	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

58 Cerium

138

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{139}Ce	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

58 Cerium

139

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{140}Ce	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

58 Cerium

140

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
$n,2n$	^{139}Ce	CS	3CPRNPC	1.3+07	1.5+07	Jour	NSE,169,(2),188			11	Chuanxinzhu+	32696
n,γ	^{141}Ce	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

58 Cerium

141

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{142}Ce	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

58 Cerium

142

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
$n,2n$	^{141}Ce	CS	3CPRNPC	1.3+07	1.5+07	Jour	NSE,169,(2),188			11	Chuanxinzhu+	32696
n,γ	^{143}Ce	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

59 Praseodymium 141

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{142}Pr	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

59 Praseodymium 142

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{143}Pr	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

59 Praseodymium 143

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{144}Pr	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

60 Neodymium 142

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{143}Nd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

60 Neodymium 143

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{144}Nd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

60 Neodymium 144

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{145}Nd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

60 Neodymium 145

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{146}Nd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

60 Neodymium 146

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{147}Nd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

60 Neodymium 147

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{148}Nd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

60 Neodymium 148

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{149}Nd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

60 Neodymium 150

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{151}Nd	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

61 Promethium 147

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{148}Pm	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

61 Promethium 148

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{149}Pm	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102
n,γ	^{149}Pm	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

61 Promethium 149

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{150}Pm	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

62 **Samarium** 144

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{145}Sm	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

62 **Samarium** 147

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{148}Sm	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

62 **Samarium** 148

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{149}Sm	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

62 **Samarium** 149

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{150}Sm	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

62 **Samarium** 150

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{151}Sm	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

62 **Samarium** 151

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{152}Sm	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

62 **Samarium** 152

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{153}Sm	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

62

Samarium

153

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{154}Sm	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

62

Samarium

154

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{155}Sm	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

63

Europium

151

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{152}Eu	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

63

Europium

152

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{153}Eu	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

63

Europium

153

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{154}Eu	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

63

Europium

154

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{155}Eu	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

63

Europium

155

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{156}Eu	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

64

Gadolinium

152

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{153}Gd	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

64

Gadolinium

153

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{154}Gd	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

64

Gadolinium

154

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{155}Gd	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

64

Gadolinium

155

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{156}Gd	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

64

Gadolinium

156

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{157}Gd	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

64

Gadolinium

157

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{158}Gd	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

64

Gadolinium

158

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{159}Gd	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

64

Gadolinium

160

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{161}Gd	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

65

Terbium

159

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{160}Tb	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

65

Terbium

160

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{161}Tb	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

66

Dysprosium

156

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{157}Dy	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

66

Dysprosium

158

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{159}Dy	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

66

Dysprosium

160

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{161}Dy	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

66

Dysprosium

161

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{162}Dy	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

66 Dysprosium 162

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{163}Dy	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

66 Dysprosium 163

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{164}Dy	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

66 Dysprosium 164

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{165}Dy	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

67 Holmium 163

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{164}Ho	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

67 Holmium 165

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
$\gamma,2n$	^{163}Ho	CS	2FR SAC	1.5+07	1.8+07	Jour	JPR,27,262		66	P.Axel+	M0844
γ,el	^{165}Ho	DA	2FR SAC	1.2+07	1.6+07	Jour	JPR,27,262		66	P.Axel+	M0844
γ,n	^{164}Ho	CS	4ZZZDUB		2.5+07	Jour	JRN,290,515		11	Tranducthiep+	M0848
$\gamma,x+n$	inclusive	CS	2FR SAC	9.0+06	2.0+07	Jour	JPR,27,262		66	P.Axel+	M0844
$\gamma,x+n$	inclusive	INT	2FR SAC		2.3+07	Jour	JPR,27,262		66	P.Axel+	M0844
n,γ	^{166}Ho	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

68 Erbium 162

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{163}Er	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

68 Erbium 164

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{165}Er	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

68 Erbium 166

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{167}Er	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

68 Erbium 167

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{168}Er	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

68 Erbium 168

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{169}Er	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

68 Erbium 169

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{170}Er	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

68 Erbium 170

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{171}Er	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

69 Thulium 169

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
$n,2n$	^{168}Tm	CS	3CPRNPC	1.3+07	1.5+07	Jour	NSE,169,(2),188			11	Chuanxinzhu+	32696
n,γ	^{170}Tm	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

69 Thulium 170

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{171}Tm	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

69 Thulium 171

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{172}Tm	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

70 Ytterbium 168

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{169}Yb	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

70 Ytterbium 170

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{171}Yb	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

70 Ytterbium 171

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{172}Yb	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

70 Ytterbium 172

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{173}Yb	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

70 Ytterbium 173

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{174}Yb	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

70 Ytterbium 174

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
<i>n,γ</i>	¹⁷⁵ Yb	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

70 Ytterbium 175

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
<i>n,γ</i>	¹⁷⁶ Yb	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

70 Ytterbium 176

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
<i>n,γ</i>	¹⁷⁷ Yb	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

71 Lutetium

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
<i>p,x</i>	¹⁷⁵ Hf	CS	1USATAM	5.2+06	1.7+07	Jour	NIM/B,276,62		12	M.E.Bennett+	C1909

71 Lutetium 175

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
<i>γ,n</i>	¹⁷⁴ Lu	CS	4ZZZDUB		1.4+07	Jour	JRN,290,515		11	Tranducthiep+	M0848
<i>n,2n</i>	¹⁷⁴ Lu	CS	3CPRNPC	1.3+07	1.5+07	Jour	NSE,169,(2),188		11	Chuanxinzhu+	32696
<i>n,γ</i>	¹⁷⁶ Lu	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

71 Lutetium 176

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
<i>γ,2n</i>	¹⁷⁴ Lu	CS	4ZZZDUB		2.5+07	Jour	JRN,290,515		11	Tranducthiep+	M0848
<i>n,γ</i>	¹⁷⁷ Lu	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

72 Hafnium 174

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

n,γ	^{175}Hf	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102		
				72		Hafnium		176			
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol	Page		
n,γ	^{177}Hf	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102		
				72		Hafnium		177			
n,γ	^{178}Hf	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102		
				72		Hafnium		178			
n,γ	^{179}Hf	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102		
				72		Hafnium		179			
n,γ	^{180}Hf	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102		
				72		Hafnium		180			
n,γ	^{181}Hf	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102		
				72		Hafnium		181			
n,γ	^{182}Hf	CS	2GERKFK	Maxwl	Jour	AND,76,70	00	Z.Y.Bao+	V0102		

72

Hafnium

182

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{183}Hf	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

73

Tantalum

179

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{180}Ta	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

73

Tantalum

180

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{181}Ta	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

73

Tantalum

181

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
$\gamma,2n$	^{179}Ta	CS	4RUSMOS	1.4+07	3.6+07	Rept	MSU-INP-2012-1/879		12	V.V.Varlamov+	M0850
$\gamma,2n$	^{179}Ta	INT	4RUSMOS		3.5+07	Rept	MSU-INP-2012-1/879		12	V.V.Varlamov+	M0850
$\gamma,3n$	^{178}Ta	CS	4RUSMOS	2.2+07	3.6+07	Rept	MSU-INP-2012-1/879		12	V.V.Varlamov+	M0850
$\gamma,3n$	^{178}Ta	INT	4RUSMOS		3.5+07	Rept	MSU-INP-2012-1/879		12	V.V.Varlamov+	M0850
γ,n	^{180}Ta	CS	4RUSMOS	7.5+06	3.6+07	Rept	MSU-INP-2012-1/879		12	V.V.Varlamov+	M0850
γ,n	^{180}Ta	INT	4RUSMOS		3.5+07	Rept	MSU-INP-2012-1/879		12	V.V.Varlamov+	M0850
γ,p	^{180}Hf	?	4RUSMOS		2.9+07	Jour	YF,75,283		12	B.S.Ishkhanov+	M0846
γ,x	Many	?	4RUSMOS		2.9+07	Jour	YF,75,283		12	B.S.Ishkhanov+	M0846
γ,x	^{179}Hf	?	4RUSMOS		2.9+07	Jour	YF,75,283		12	B.S.Ishkhanov+	M0846
$\gamma,x+n$	inclusive	CS	4RUSMOS	7.0+06	3.6+07	Rept	MSU-INP-2012-1/879		12	V.V.Varlamov+	M0850
$\gamma,x+n$	inclusive	INT	4RUSMOS		3.5+07	Rept	MSU-INP-2012-1/879		12	V.V.Varlamov+	M0850
$n,2n$	^{180}Ta	CS	3CPRNPC	1.3+07	1.5+07	Jour	NSE,169,(2),188		11	Chuanxinzhu+	32696
n,γ	^{182}Ta	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

73

Tantalum

182

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{183}Ta	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

74

Tungsten

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

$\gamma,2n$		CS	2FR SAC	1.3+07	2.1+07	Jour	JPR/L,36,267	75	A.Veyssiere+	M0845
γ,n		?	2FR SAC	8.0+06	2.1+07	Jour	JPR/L,36,267	75	A.Veyssiere+	M0845
$\gamma,x+n$	inclusive	CS	2FR SAC	8.0+06	2.1+07	Jour	JPR/L,36,267	75	A.Veyssiere+	M0845
				74	Tungsten			180		
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
n,γ	^{181}W	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				74	Tungsten			182		
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
n,γ	^{183}W	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				74	Tungsten			183		
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
n,γ	^{184}W	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				74	Tungsten			184		
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
n,γ	^{185}W	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				74	Tungsten			185		
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
n,γ	^{186}W	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102
				74	Tungsten			186		
Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation	Date	Author	Data #
				Min	Max		Ref Vol Page			
n,γ	^{187}W	CS	3INDTRM	3.2+06	3.2+06	Jour	NSE,170,44	12	M.Bhike+	33038
n,γ	^{187}W	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

75 Rhenium

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
$\gamma, 2n$		CS	2FR SAC	1.4+07	2.2+07	Jour	JPR/L,36,267	75	A.Veyssiere+	M0845
γ, n		?	2FR SAC	7.1+06	2.2+07	Jour	JPR/L,36,267	75	A.Veyssiere+	M0845
$\gamma, x+n$	inclusive	CS	2FR SAC	7.1+06	2.2+07	Jour	JPR/L,36,267	75	A.Veyssiere+	M0845

75 Rhenium 185

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
$n, 2n$	^{184}Re	CS	3CPRNPC	1.3+07	1.5+07	Jour	NSE,169,(2),188	11	Chuanxinzhu+	32696
n, γ	^{186}Re	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

75 Rhenium 186

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n, γ	^{187}Re	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

75 Rhenium 187

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n, γ	^{188}Re	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

76 Osmium 184

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n, γ	^{185}Os	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

76 Osmium 186

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n, γ	^{187}Os	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

76 Osmium 187

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n, γ	^{188}Os	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

76

Osmium

188

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{189}Os	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

76

Osmium

189

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{190}Os	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

76

Osmium

190

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{191}Os	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

76

Osmium

191

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{192}Os	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

76

Osmium

192

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{193}Os	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

77

Iridium

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
$\gamma,2n$		CS	2FR SAC	1.4+07	2.2+07	Jour	JPR/L,36,267		75	A.Veyssiere+	M0845
γ,n		?	2FR SAC	7.7+06	2.2+07	Jour	JPR/L,36,267		75	A.Veyssiere+	M0845
$\gamma,x+n$	inclusive	CS	2FR SAC	7.7+06	2.2+07	Jour	JPR/L,36,267		75	A.Veyssiere+	M0845

77

Iridium

191

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{192}Ir	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

77

Iridium

192

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{193}Ir	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

77

Iridium

193

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{194}Ir	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

78

Platinum

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
$\gamma,2n$		CS	2FR SAC	1.4+07	2.0+07	Jour	JPR/L,36,267			75	A.Veyssiere+	M0845
γ,n		?	2FR SAC	7.7+06	2.0+07	Jour	JPR/L,36,267			75	A.Veyssiere+	M0845
$\gamma,x+n$	inclusive	CS	2FR SAC	7.7+06	2.0+07	Jour	JPR/L,36,267			75	A.Veyssiere+	M0845

78

Platinum

190

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{191}Pt	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

78

Platinum

192

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{193}Pt	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

78

Platinum

193

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{194}Pt	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

78 Platinum 194

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	¹⁹⁵ Pt	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

78 Platinum 195

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	¹⁹⁶ Pt	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

78 Platinum 196

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	¹⁹⁷ Pt	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

78 Platinum 198

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	¹⁹⁹ Pt	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

79 Gold 197

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
γ,n	Many	?	4RUSMOS		2.9+07	Jour	YF,74,1576		11	S.S.Belyshev+	M0843
$n,2n$	¹⁹⁶ Au	CS	3CPRNPC	1.3+07	1.5+07	Jour	NSE,169,(2),188		11	Chuanxinzhu+	32696
n,γ	¹⁹⁸ Au	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

79 Gold 198

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	¹⁹⁹ Au	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

80 Mercury

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

$\gamma,2n$		CS	2FR SAC	1.4+07	2.1+07	Jour	JPR/L,36,267	75	A.Veyssiere+	M0845
γ,n		?	2FR SAC	8.0+06	2.1+07	Jour	JPR/L,36,267	75	A.Veyssiere+	M0845
$\gamma,x+n$	inclusive	CS	2FR SAC	8.0+06	2.1+07	Jour	JPR/L,36,267	75	A.Veyssiere+	M0845

80

Mercury

196

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{197}Hg	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

80

Mercury

198

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{199}Hg	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

80

Mercury

199

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{200}Hg	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

80

Mercury

200

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{201}Hg	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

80

Mercury

201

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{202}Hg	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

80

Mercury

202

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
n,γ	^{203}Hg	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

80

Mercury

203

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{204}Hg	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

80

Mercury

204

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{205}Hg	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

81

Thallium

203

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{204}Tl	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

81

Thallium

204

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{205}Tl	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

81

Thallium

205

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{206}Tl	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

82

Lead

204

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{205}Pb	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

82

Lead

205

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation			Date	Author	Data #
				Min	Max		Ref	Vol	Page			
n,γ	^{206}Pb	CS	2GERKFK	Maxwl		Jour	AND,76,70			00	Z.Y.Bao+	V0102

82 **Lead** 206

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{207}Pb	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102

82 **Lead** 207

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{208}Pb	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102
$^{13}\text{C},3n$	^{217}Ra	CS	3AULCBR	6.5+07	8.6+07	Jour	JP/G,38,095104		11	K.Kalita	D6127
$^{13}\text{C},4n$	^{216}Ra	CS	3AULCBR	6.5+07	8.6+07	Jour	JP/G,38,095104		11	K.Kalita	D6127
$^{13}\text{C},5n$	^{215}Ra	CS	3AULCBR	6.5+07	8.6+07	Jour	JP/G,38,095104		11	K.Kalita	D6127
$^{13}\text{C},6n$	^{214}Ra	CS	3AULCBR	7.5+07	8.6+07	Jour	JP/G,38,095104		11	K.Kalita	D6127
$^{13}\text{C},\text{fis}$		CS	3AULCBR	6.5+07	8.6+07	Jour	JP/G,38,095104		11	K.Kalita	D6127
$^{13}\text{C},x$	Many	CS	3AULCBR	5.5+07	8.9+07	Jour	JP/G,38,095104		11	K.Kalita	D6127
$^{13}\text{C},x$	^{210}Po	CS	3AULCBR	7.5+07	8.6+07	Jour	JP/G,38,095104		11	K.Kalita	D6127
$^{13}\text{C},x$	^{211}Po	CS	3AULCBR	6.6+07	8.6+07	Jour	JP/G,38,095104		11	K.Kalita	D6127
$^{13}\text{C},x$	^{212}Rn	CS	3AULCBR	7.5+07	8.6+07	Jour	JP/G,38,095104		11	K.Kalita	D6127
$^{13}\text{C},x$	^{213}Rn	CS	3AULCBR	6.5+07	8.6+07	Jour	JP/G,38,095104		11	K.Kalita	D6127

82 **Lead** 208

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{209}Pb	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102
$^{12}\text{C},2n$	^{218}Ra	CS	3AULCBR	5.5+07	6.8+07	Jour	JP/G,38,095104		11	K.Kalita	D6127
$^{12}\text{C},3n$	^{217}Ra	CS	3AULCBR	5.5+07	8.9+07	Jour	JP/G,38,095104		11	K.Kalita	D6127
$^{12}\text{C},4n$	^{216}Ra	CS	3AULCBR	6.4+07	8.9+07	Jour	JP/G,38,095104		11	K.Kalita	D6127
$^{12}\text{C},5n$	^{215}Ra	CS	3AULCBR	7.2+07	8.9+07	Jour	JP/G,38,095104		11	K.Kalita	D6127
$^{12}\text{C},6n$	^{214}Ra	CS	3AULCBR	7.2+07	8.9+07	Jour	JP/G,38,095104		11	K.Kalita	D6127
$^{12}\text{C},\text{fis}$		CS	3AULCBR	5.5+07	8.9+07	Jour	JP/G,38,095104		11	K.Kalita	D6127
$^{12}\text{C},x$	Many	CS	3AULCBR	5.5+07	8.9+07	Jour	JP/G,38,095104		11	K.Kalita	D6127
$^{12}\text{C},x$	^{211}Po	CS	3AULCBR	5.5+07	8.9+07	Jour	JP/G,38,095104		11	K.Kalita	D6127
$^{12}\text{C},x$	^{211}Rn	CS	3AULCBR	7.7+07	8.9+07	Jour	JP/G,38,095104		11	K.Kalita	D6127
$^{12}\text{C},x$	^{212}Rn	CS	3AULCBR	7.2+07	8.9+07	Jour	JP/G,38,095104		11	K.Kalita	D6127
$^{12}\text{C},x$	^{213}Rn	CS	3AULCBR	6.8+07	8.9+07	Jour	JP/G,38,095104		11	K.Kalita	D6127
$^{12}\text{C},x$	^{215}Rn	CS	3AULCBR	5.5+07	6.8+07	Jour	JP/G,38,095104		11	K.Kalita	D6127

83 **Bismuth** 209

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
n,γ	^{210}Bi	CS	2GERKFK	Maxwl		Jour	AND,76,70		00	Z.Y.Bao+	V0102
π^-, fis		CS	1USABNL	5.0+08	6.7+08	Jour	CPL,28,092501		11	M.A.Rana+	C1891
$p,n+X$	Many	MLT	1USALAS	1.9+08	8.0+08	Jour	PR/C,32,(1),253		85	M.Dombsky+	C1897
p,x	Many	CS	1USALAS	1.9+08	8.0+08	Jour	PR/C,32,(1),253		85	M.Dombsky+	C1897
p,x	^{203}At	?	1USALAS	2.1+08	8.0+08	Jour	PR/C,32,(1),253		85	M.Dombsky+	C1897
p,x	^{204}At	?	1USALAS	2.1+08	8.0+08	Jour	PR/C,32,(1),253		85	M.Dombsky+	C1897

<i>p,x</i>	²⁰⁵ At	?	1USALAS	2.1+08	8.0+08	Jour	PR/C,32,(1),253	85	M.Dombsky+	C1897
<i>p,x</i>	²⁰⁶ At	?	1USALAS	1.9+08	8.0+08	Jour	PR/C,32,(1),253	85	M.Dombsky+	C1897
<i>p,x</i>	²⁰⁷ At	?	1USALAS	1.2+08	8.0+08	Jour	PR/C,32,(1),253	85	M.Dombsky+	C1897
<i>p,x</i>	²⁰⁸ At	?	1USALAS	1.9+08	8.0+08	Jour	PR/C,32,(1),253	85	M.Dombsky+	C1897
<i>p,x</i>	²⁰⁹ At	?	1USALAS	1.2+08	8.0+08	Jour	PR/C,32,(1),253	85	M.Dombsky+	C1897
<i>p,x</i>	²¹⁰ At	?	1USALAS	1.9+08	8.0+08	Jour	PR/C,32,(1),253	85	M.Dombsky+	C1897
<i>p,x</i>	²¹¹ At	CS	1USALAS	1.2+08	8.0+08	Jour	PR/C,32,(1),253	85	M.Dombsky+	C1897

83 Bismuth 210

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,γ</i>	²¹¹ Bi	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

84 Polonium 210

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,γ</i>	²¹¹ Po	CS	2GERKFK	Maxwl		Jour	AND,76,70	00	Z.Y.Bao+	V0102

90 Thorium 232

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,2n</i>	²³¹ Th	CS	3INDTRM	1.6+07	1.6+07	Jour	EPJ/A,48,35	12	P.M.Prajapati+	33040
<i>n,γ</i>	²³³ Th	CS	3INDTRM	1.6+06	3.7+06	Jour	NSE,170,44	12	M.Bhike+	33038
<i>n,γ</i>	²³³ Th	CS	3INDTRM	5.9+06	1.6+07	Jour	EPJ/A,48,35	12	P.M.Prajapati+	33040
¹⁹ F,fis		CS	3INDTRM	8.9+07	9.4+07	Jour	PRM,41,(4),339	93	S.Kailas+	D6130
¹⁹ F,fis		DA	3INDTRM	7.8+07	9.8+07	Jour	PR/C,51,(6),3109	95	N.Majumdar+	D6163
¹⁹ F,fis		DA	3INDTRM	8.2+07	9.4+07	Jour	PRM,41,(4),339	93	S.Kailas+	D6130

92 Uranium 238

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation Ref Vol Page	Date	Author	Data #
				Min	Max					
<i>n,2n</i>	²³⁷ U	CS	3CPRNPC	1.3+07	1.5+07	Jour	NSE,169,(2),188	11	Chuanxinzhu+	32696
<i>p,x</i>	¹²⁸ Ba	CS	LINAC	8.0+08	1.2+10	Jour	PR/C,20,(4),1467	79	S.Biswas+	C1898
<i>p,x</i>	¹³¹ Ba	CS	LINAC	8.0+08	1.2+10	Jour	PR/C,20,(4),1467	79	S.Biswas+	C1898
<i>p,x</i>	¹³³ Ba	CS	LINAC	8.0+08	1.2+10	Jour	PR/C,20,(4),1467	79	S.Biswas+	C1898
<i>p,x</i>	¹³⁵ Ba	CS	LINAC	8.0+08	1.2+10	Jour	PR/C,20,(4),1467	79	S.Biswas+	C1898
<i>p,x</i>	¹⁴⁰ Ba	CS	LINAC	8.0+08	1.2+10	Jour	PR/C,20,(4),1467	79	S.Biswas+	C1898
<i>p,x</i>	¹³¹ La	CS	LINAC	8.0+08	1.2+10	Jour	PR/C,20,(4),1467	79	S.Biswas+	C1898
<i>p,x</i>	¹³¹ Ce	CS	LINAC	8.0+08	1.2+10	Jour	PR/C,20,(4),1467	79	S.Biswas+	C1898

98

Californium

252

Reaction	Product	Quant.	Lab.	Energy (eV)		Type	Documentation		Date	Author	Data #
				Min	Max		Ref	Vol Page			
0,fis		NUF	2GERPTB	Spont		Rept	IAEA-TECDOC-410,158	87	W.Mannhart	V0101	