EXFOR News (June 2015)

New experimental data available from Nuclear Reaction Data Centres

EXFOR [1] is a world-wide data library for experimental neutron, charged-particle and photon induced reaction data compiled by the International Network of the Nuclear Reaction Data Centres (NRDC)[a] co-ordinated by the IAEA Nuclear Data Section. Regularly updated web retrieval databases are available at IAEA-NDS as well as NNDC, NEADB, JAEA, JCPRG and CDFE.

This News lists newly created EXFOR entries as well as revised EXFOR entries where new data subentries are added. Entries from articles pubslished in past 10 years are flagged by asterisks (*). Please send an email to N.Otsuka (NRDC Coordinator n.otsuka@iaea.org) for inclusion in the EXFOR News distribution list as well as any question on EXFOR.

[1] N.Otuka et al., Nucl.Data.Sheets **120**(2014)272.

Quantity codes

ALF	α-value ($\sigma_{\rm capt}/\sigma_{\rm fis}$)	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 dΩ_1/dΩ_2/dE'	NUD	Delayed fission neutron multiplicity $\bar{\nu_d}$
D3E	Triple differential dΩ/dE'_1/dE'_2	NUF	Fragment neutrons
D4A	Quadruple diff. dΩ_1/dΩ_2/dE'_1/dE'_2	POL	Polarization
DA	Differential d/dΩ	POD	Differential polarization
DAA	Double differential dΩ_1/dΩ_2	PY	Product yield (other than fission)
DAE	Double differential dΩ/dE'	RI	Resonance integral
DAP	Partial differential d/dΩ	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 $\bar{\nu}\sigma_{\rm fis}/(\sigma_{\rm capt}+\sigma_{\rm fis})$	TTD	Differential thick target yield, d/dΩ
EVL	Evaluation	TTP	Partial thick target yield

Special codes in outgoing particle field

abs	Absorption	fus	Fusion	sct	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), CDFE (Russia), CNPD (Russia), UkrNDC (Ukraine)

6 Carbon 12

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,p	^{12}B	RI	2ZZZCER	1.0+10	1.4+07	Jour	PR/C,90,021601	14	P.Zugec+	23259

10 Neon 20

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,0		RP	2GERKFK			Jour	PR/C,90,045804	14	M.Heil+	23265
*	n,γ	^{21}Ne	CS	2GERKFK	Maxwl		Jour	PR/C,90,045804	14	M.Heil+	23265

10 Neon 21

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,0		RP	2GERKFK			Jour	PR/C,90,045804	14	M.Heil+	23265
*	n,γ	^{22}Ne	CS	2GERKFK	Maxwl		Jour	PR/C,90,045804	14	M.Heil+	23265

10 Neon 22

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,0		RP	2GERKFK			Jour	PR/C,90,045804	14	M.Heil+	23265
*	n,γ	^{23}Ne	CS	2GERKFK	Maxwl		Jour	PR/C,90,045804	14	M.Heil+	23265

11 Sodium 23

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{24}Na	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{24}Na	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

12 Magnesium 24

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,inel	^{24}Mg	CS	2ZZZGEL		1.4+06	Jour	PR/C,90,034603	14	A.Olacel+	23258
*	n,inel	^{24}Mg	CSP	2ZZZGEL		6.3+06	Jour	PR/C,90,034603	14	A.Olacel+	23258
	n,p	^{24}Na	CS	3INDDLH	4.5+06	4.5+06	Jour	IJP,28,396	54	S.K.Nandi+	33077

12 Magnesium 25

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	0,0		NQ	2ZZZGEL	Spont		Jour	PR/C,90,034603	14	A.Olacel+	23258

12 Magnesium 26

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{27}Mg	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{27}Mg	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

13 Aluminium 27

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{28}Al	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{28}Al	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266
	n,p	^{27}Mg	CS	3INDDLH	4.5+06	4.5+06	Jour	IJP,28,396	54	S.K.Nandi+	33077

17 Chlorine 37

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{38}Cl	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{38}Cl	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

19 Potassium 41

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{42}K	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{42}K	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

21 Scandium 45

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{46}Sc	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{46}Sc	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

22 Titanium

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	γ,x	^{46}Sc	INT	4RUSMOS		5.5+07	Jour	YF,78,(3-4),246	15	S.S.Belyshev+	M0905
*	γ,x	^{46}Sc	?	4RUSMOS		5.5+07	Jour	YF,78,(3-4),246	15	S.S.Belyshev+	M0905
*	γ,x	^{47}Sc	INT	4RUSMOS		5.5+07	Jour	YF,78,(3-4),246	15	S.S.Belyshev+	M0905
*	γ,x	^{47}Sc	?	4RUSMOS		5.5+07	Jour	YF,78,(3-4),246	15	S.S.Belyshev+	M0905
*	γ,x	^{48}Sc	INT	4RUSMOS		5.5+07	Jour	YF,78,(3-4),246	15	S.S.Belyshev+	M0905
*	γ,x	^{48}Sc	?	4RUSMOS		5.5+07	Jour	YF,78,(3-4),246	15	S.S.Belyshev+	M0905
*	γ,x	^{49}Sc	INT	4RUSMOS		5.5+07	Jour	YF,78,(3-4),246	15	S.S.Belyshev+	M0905
*	γ,x	^{49}Sc	?	4RUSMOS		5.5+07	Jour	YF,78,(3-4),246	15	S.S.Belyshev+	M0905
*	γ,x	^{45}Ti	INT	4RUSMOS		5.5+07	Jour	YF,78,(3-4),246	15	S.S.Belyshev+	M0905

22 Titanium 47

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	γ,p	^{46}Sc	CS	4UZ NUU		2.2+07	Conf	88BAKU,320	88	M.G.Davydov+	M0901

22 Titanium 50

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{51}Ti	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{51}Ti	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

23 Vanadium 51

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{52}V	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{52}V	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

24 Chromium 50

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{51}Cr	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{51}Cr	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

25 Manganese 55

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	n,α	^{52}V	CS	3INDSAH	1.4+07	1.4+07	Jour	NP,39,325	62	O.N.Kaul	33075

*	n,γ	^{56}Mn	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
	n,γ	^{56}Mn	?	3HUNKFI			Jour	JRN,81,397	84	A.Simonits+	31750
*	n,γ	^{56}Mn	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

26 Iron 54

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	γ,n	^{53}Fe	CS	4UZ NUU		2.2+07	Conf	88BAKU,320	88	M.G.Davydov+	M0901

26 Iron 56

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	$n,2n$	^{55}Fe	CSP	2ZZZGEL		1.3+07	Jour	PR/C,88,027601	13	A.Negret+	23073
*	n,inel	^{56}Fe	CSP	2ZZZGEL		4.5+06	Jour	PR/C,88,027601	13	A.Negret+	23073
*	n,inel	^{56}Fe	?	2ZZZGEL		8.6+05	Jour	PR/C,88,027601	13	A.Negret+	23073

26 Iron 57

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	0,0		NQ	2ZZZGEL	Spont		Jour	PR/C,88,027601	13	A.Negret+	23073

26 Iron 58

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{59}Fe	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
	n,γ	^{59}Fe	?	3HUNKFI			Jour	JRN,81,397	84	A.Simonits+	31750
*	n,γ	^{59}Fe	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

27 Cobalt 59

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{60}Co	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{60}Co	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

28 Nickel 64

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{65}Ni	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266

*	n,γ	^{65}Ni	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

29 Copper 63

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{64}Cu	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{64}Cu	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

29 Copper 65

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{66}Cu	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{66}Cu	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

30 Zinc 64

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{65}Zn	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{65}Zn	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

30 Zinc 68

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{69}Zn	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{69}Zn	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

31 Gallium 71

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{72}Ga	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{72}Ga	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

33 Arsenic 75

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{76}As	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{76}As	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

34 Selenium 74

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	γ,n	^{73}Se	CS	4UZ NUU		2.2+07	Conf	88BAKU,320	88	M.G.Davydov+	M0901

35 Bromine 81

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{82}Br	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{82}Br	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

37 Rubidium 85

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	γ,n	^{84}Rb	CS	4UZ NUU		2.5+07	Conf	94PETRBG,402	94	S.R.Palvanov+	M0902
*	n,γ	^{86}Rb	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{86}Rb	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

37 Rubidium 87

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	γ,n	^{86}Rb	CS	4UZ NUU		2.5+07	Conf	94PETRBG,402	94	S.R.Palvanov+	M0902
*	n,γ	^{88}Rb	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{88}Rb	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

38 Strontium 84

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{85}Sr	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{85}Sr	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

38 Strontium 86

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{87}Sr	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{87}Sr	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

39 Yttrium 89

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{90}Y	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{90}Y	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

40 Zirconium 90

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	γ,el		RP	4RUSMOS	1.0+07	1.0+07	Conf	83MOSCOW,,347	83	A.S.Alimov+	M0904

40 Zirconium 91

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	γ,el		RP	4RUSMOS	8.7+06	8.7+06	Conf	83MOSCOW,,347	83	A.S.Alimov+	M0904

40 Zirconium 92

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	γ,el		RP	4RUSMOS	9.0+06	9.0+06	Conf	83MOSCOW,,347	83	A.S.Alimov+	M0904

40 Zirconium 94

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	γ,el		RP	4RUSMOS	8.5+06	8.5+06	Conf	83MOSCOW,,347	83	A.S.Alimov+	M0904
*	n,γ	^{95}Zr	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{95}Zr	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

40 Zirconium 96

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{97}Zr	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260

41 Niobium 93

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

	γ,el		RP	4RUSMOS	7.0+06	7.0+06	Conf	83MOSCOW,,347	83	A.S.Alimov+	M0904
*	n,γ	^{94}Nb	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{94}Nb	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

42 Molybdenum 94

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	γ,el		RP	4RUSMOS	9.7+06	9.7+06	Conf	83MOSCOW,,347	83	A.S.Alimov+	M0904

42 Molybdenum 98

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{99}Mo	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{99}Mo	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

42 Molybdenum 100

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{101}Mo	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{101}Mo	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

44 Ruthenium 96

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{97}Ru	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{97}Ru	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

44 Ruthenium 102

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{103}Ru	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{103}Ru	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

44 Ruthenium 104

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{105}Ru	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{105}Ru	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

46 Palladium 108

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{109}Pd	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{109}Pd	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

46 Palladium 110

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{111}Pd	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{111}Pd	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

47 Silver 107

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{108}Ag	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{108}Ag	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

47 Silver 109

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{110}Ag	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{110}Ag	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

48 Cadmium 114

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{115}Cd	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{115}Cd	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

49 Indium

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,x	^{112}In	CS	2SWDUPP	1.8+07	4.7+07	Jour	NIM/A,726,84	13	J.Vrzalova+	31714

49 Indium 113

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{114}In	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{114}In	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

49 Indium 115

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{116}In	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{116}In	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

50 Tin 112

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{113}Sn	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{113}Sn	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

50 Tin 116

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{117}Sn	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{117}Sn	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

50 Tin 118

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	γ,p	^{117}In	CS	4UZ NUU		2.2+07	Conf	88BAKU,320	88	M.G.Davydov+	M0901

50 Tin 124

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{125}Sn	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{125}Sn	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

51 Antimony 121

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	γ,n	^{120}Sb	CS	4UZ NUU		2.2+07	Conf	88BAKU,320	88	M.G.Davydov+	M0901
*	n,γ	^{122}Sb	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{122}Sb	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

51 Antimony 123

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	γ,n	^{122}Sb	CS	4UZ NUU		2.2+07	Conf	88BAKU,320	88	M.G.Davydov+	M0901
*	n,γ	^{124}Sb	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{124}Sb	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

53 Iodine 127

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,$8n$	^{120}I	CS	2SWDUPP	9.4+07	9.4+07	Jour	NIM/A,726,84	13	J.Vrzalova+	31714

56 Barium 130

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{131}Ba	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{131}Ba	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

56 Barium 132

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	γ,n	^{131}Ba	CS	4UZ NUU		2.2+07	Conf	88BAKU,320	88	M.G.Davydov+	M0901
*	n,γ	^{133}Ba	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{133}Ba	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

56 Barium 134

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{135}Ba	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{135}Ba	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{135}Ba	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{135}Ba	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

56 Barium 138

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{139}Ba	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{139}Ba	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

57 Lanthanum 139

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{140}La	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{140}La	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

58 Cerium 138

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	γ,n	^{137}Ce	CS	4UZ NUU		2.5+07	Conf	94PETRBG,403	94	S.R.Palvanov+	M0903

58 Cerium 140

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	γ,n	^{139}Ce	CS	4UZ NUU		2.5+07	Conf	94PETRBG,403	94	S.R.Palvanov+	M0903

59 Praseodymium 141

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{142}Pr	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{142}Pr	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

60 Neodymium 142

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,α	^{139}Ce	CS	2TUKCNA	1.4+07	1.5+07	Jour	ARI,91,44	14	I.A.Reyhancan	23239

60 Neodymium 143

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	n,γ	^{144}Nd	SPC	4LATIFL	2.5-02	2.5-02	Jour	IZV,40,(1),68	76	D.Rabenstein+	41606

62 Samarium 152

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{153}Sm	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{153}Sm	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

63 Europium 151

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{152}Eu	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{152}Eu	CS	3HUNKFI	2.5-02	2.5-02	Jour	NDS,119,88	14	M.S.Basunia+	31751

63 Europium 153

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{154}Eu	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{154}Eu	CS	3HUNKFI	2.5-02	2.5-02	Jour	NDS,119,88	14	M.S.Basunia+	31751

64 Gadolinium 152

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{153}Gd	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{153}Gd	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

64 Gadolinium 158

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{159}Gd	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{159}Gd	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

65 Terbium 159

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{160}Tb	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{160}Tb	CS	2SPNSEU	Maxwl		Jour	NDS,120,205	14	J.Praena+	23249
*	n,γ	^{160}Tb	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

66 Dysprosium 164

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{165}Dy	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{165}Dy	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

67 Holmium 165

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{166}Ho	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{166}Ho	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

69 Thulium 169

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{170}Tm	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{170}Tm	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

70 Ytterbium 168

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{169}Yb	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260

70 Ytterbium 174

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{175}Yb	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{175}Yb	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

70 Ytterbium 176

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{177}Yb	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{177}Yb	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

71 Lutetium 176

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	n,inel	^{176}Lu	CS	4LATIFL	1.0+06	1.0+06	Conf	84ALMAAT,,143	Apr 84	M.R.Beytin'Sh+	40907

72 Hafnium 174

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{175}Hf	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{175}Hf	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

72 Hafnium 179

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{180}Hf	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{180}Hf	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

72 Hafnium 180

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{181}Hf	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{181}Hf	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

73 Tantalum 181

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	γ,fis	Many	CS	4ARMJER		3.5+09	Jour	PR/C,91,024620	15	A.Deppman+	M0906
*	n,γ	^{182}Ta	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{182}Ta	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

74 Tungsten

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,tot		CS	4ZZZDUB	1.3-03	1.3-03	Jour	PTE,,(5),27	06	Zh.V.Mezentseva+	41491

74 Tungsten 180

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{181}W	CS	3HUNKFI	2.5-02	2.5-02	Jour	NDS,119,91	14	A.M.Hurst+	31752

74 Tungsten 186

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{187}W	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{187}W	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

75 Rhenium 185

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{186}Re	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{186}Re	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

75 Rhenium 187

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{188}Re	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,296,931	13	F.Farinaarbocco+	23266
*	n,γ	^{188}Re	?	2BLGMOL	5.5-01		Jour	JRN,296,931	13	F.Farinaarbocco+	23266

76 Osmium 184

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	n,γ	^{185}Os	SPC	4LATIFL	2.5-02	2.5-02	Jour	IZV,38,(10),2135	74	P.T.Prokofev+	41604

76 Osmium 186

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	n,γ	^{187}Os	SPC	4LATIFL	2.5-02	2.5-02	Jour	IZV,38,(10),2135	74	P.T.Prokofev+	41604

76 Osmium 190

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	n,γ	^{191}Os	SPC	4LATIFL	2.5-02	2.5-02	Jour	IZV,38,(10),2135	74	P.T.Prokofev+	41604

78 Platinum 196

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{197}Pt	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{197}Pt	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

78 Platinum 198

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,γ	^{199}Pt	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{199}Pt	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

79 Gold 197

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	$n,7n$	^{191}Au	CS	2SWDUPP	5.9+07	8.9+07	Jour	NIM/A,726,84	13	J.Vrzalova+	31714

90 Thorium 232

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	γ,fis	^{135}Xe	CS	4ZZZDUB		1.4+07	Jour	JRN,303,(1),99	15	Tranducthiep+	M0899
	n,fis		NUF	4RUSFEI	7.3+06	7.3+06	Jour	YK,1996,(1),102	96	G.N.Lovchikova+	41238
*	n,γ	^{233}Th	CS	2BLGMOL	2.5-02	2.5-02	Jour	JRN,302,655	14	F.Farinaarbocco+	23260
*	n,γ	^{233}Th	?	2BLGMOL	5.0-01		Jour	JRN,302,655	14	F.Farinaarbocco+	23260

92 Uranium 233

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	γ,fis	^{135}Xe	CS	4ZZZDUB		1.4+07	Jour	JRN,303,(1),99	15	Tranducthiep+	M0899

92 Uranium 235

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	n,fis		NUF	4RUSFEI	1.5+06	1.5+06	Jour	YK,1996,(1),102	96	G.N.Lovchikova+	41238
	n,fis	^{4}He	DA	3INDITK	1.4+05	1.0+06	Jour	PRM,24,131	85	M.M.Sharma+	33078
*	n,γ	^{236}U	CS	2GERKFK		4.3+05	Jour	PRL,112,192501	14	A.Wallner+	23170

92 Uranium 238

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	0,fis		NU	4ZZZDUB	Spont		Jour	YF,24,(3),473	76	A.G.Popeko+	41605
	0,fis		?	4ZZZDUB	Spont		Jour	YF,24,(3),473	76	A.G.Popeko+	41605
*	n,γ	^{239}U	CS	2GERKFK		4.3+05	Jour	PRL,112,192501	14	A.Wallner+	23170
*	n,γ	^{239}U	?	2GERKFK		4.3+05	Jour	PRL,112,192501	14	A.Wallner+	23170

94 Plutonium 239

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	n,fis		NUF	4RUSFEI	1.5+06	7.5+06	Jour	YK,1996,(1),102	96	G.N.Lovchikova+	41238

94 Plutonium 242

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
	n,el	^{242}Pu	CS	2FR BRC	6.0+05	3.4+06	Jour	NSE,81,(4),491	82	G.Haouat+	21782
	n,el	^{242}Pu	DA	2FR BRC	1.0+06	2.5+06	Jour	NSE,81,(4),491	82	G.Haouat+	21782
	n,el	^{242}Pu	DA	2FR BRC	2.5+06	2.5+06	Rept	INDC(FR)-0044	81	G.Haouat+	23257
	n,el	^{242}Pu	DA	2FR BRC	6.0+05	3.4+06	Jour	NSE,81,(4),491	82	G.Haouat+	21782
	n,inel	^{242}Pu	CSP	2FR BRC	6.0+05	3.4+06	Jour	NSE,81,(4),491	82	G.Haouat+	21782
	n,inel	^{242}Pu	DAP	2FR BRC	1.0+06	2.5+06	Jour	NSE,81,(4),491	82	G.Haouat+	21782
	n,inel	^{242}Pu	DAP	2FR BRC	2.5+06	2.5+06	Rept	INDC(FR)-0044	81	G.Haouat+	23257
	n,inel	^{242}Pu	DAP	2FR BRC	6.0+05	3.4+06	Jour	NSE,81,(4),491	82	G.Haouat+	21782

95 Americium 243

	Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
*	n,0		RP	2ZZZCER		4.0+02	Jour	PR/C,90,034608	14	E.Mendoza+	23254
*	n,el		RP	2ZZZCER		4.2+04	Jour	PR/C,90,034608	14	E.Mendoza+	23254
*	n,γ		RP	2ZZZCER	3.0+00	4.3+01	Jour	PR/C,90,034608	14	E.Mendoza+	23254
*	n,γ	^{244}Am	CS	2ZZZCER	7.3-01	2.5+03	Jour	PR/C,90,034608	14	E.Mendoza+	23254
*	n,γ	^{244}Am	RI	2ZZZCER		5.0-01	Jour	PR/C,90,034608	14	E.Mendoza+	23254

96 Curium 244

Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
0,fis		NU	4ZZZDUB	Spont		Jour	SNP,16,641	73	M.Dakovskii+	40141

100 Fermium 256

Reaction	Product	Quant.	Lab.	Energy (eV) Min	Energy (eV) Max	Type	Documentation Ref Vol Page	Date	Author	Data #
0,fis		NU	4ZZZDUB	Spont		Jour	SNP,16,641	73	M.Dakovskii+	40141