

**Nuclear Data Section**  
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**P.O.Box 100, A-1400 Vienna, Austria**

**Memo CP-D/519**

**Date:** 5 September 2008  
**To:** Distribution  
**From:** N. Otsuka  
**Subject:** Dictionary transmission 9097

- Dictionary transmission 9097 is available in three formats (Trans, Archive and Backup) from the NDS open area: <http://nds121.iaea.org/ndsx4/trans/dicts/>.
- These dictionaries and ZVV formatted dictionaries in zipped form are also available: <http://www-nds.iaea.org/exfor-master/backup/dicts-2008-09-05.zip>.
- According to our protocol, all memos submitted before 4 August (for dictionary 1, 2, 4, 16, 24-25, 30-35, 37, 236) and 4 September (for other dictionaries) are considered in this update.
- The maximum length of Dictionary 227 is now 10. But the change of the maximum length to 13 is proposed for meta stable states of super heavy elements (e.g. 110-DS-270-M)
- All corrections are summarized below.  
 ("Status" gives alteration flags and status codes defined in EXFOR/CINDA Dictionary Manual.)

#	Status	Code	Expansion	Remark
3	ATRA	2TUKGZU	Gazi University, Ankara	CP-N/73
3	MTRA	3CPRBJG	Peking Univ., Beijing	CP-D/506
3	ATRA	3IRNKRJ	Nucl.Res.Center for Agricult.& Medicine (NRCAM), Karaj	CP-D/518
5	MEXT	AHP	Acta Physica Hungarica	Publication history updated
5	SEXT	AHP/A	Acta Physica Hungarica A (Heavy Ion Physics)	CP-D/510
5	SEXT	AHP/N	Acta Phys.Hungar.New Series (Heavy Ion Physics)	CP-D/510
5	SEXT	CPH	Chinese Physics	CP-D/510
5	ATRA	CPH/C	Chinese Physics C	CP-D/511
5	MTRA	EPJ/A	European Physical	Publication history

			Journal A: Hadrons and Nuclei	updated
5	MTRA	EPJ/C	Europ. Physical Journal C: Particles and Fields	Publication history updated
5	ATRA	EPJ/ST	European Physical Journal: Special Topics	CP-D/508
5	MTRA	EUL	Europhysics Letters	Publication history updated
5	SEXT	HEN	High Energy Physics and Nucl.Phys.,English.ed	CP-D/510
5	MTRA	IPC	Radiation Physics and Chemistry	CP-D/504
5	SEXT	JPR	Journal de Physique	CP-D/508
5	MEXT	JPR/A	Journal de Physique - Appliquee	Publication history updated
5	SEXT	JPR/C	Journal de Physique - Colloque	CP-D/508
5	SEXT	JPR/L	Journal de Physique – Lettres	CP-D/508
5	MEXT	JRC	Journal of Radioanalytical Chemistry	Publication history updated
5	MTRA	JRN	Journal of Radioanalytical and Nuclear Chemistry	Publication history updated
5	SEXT	JRN/L	J. of Radioanalytical and Nucl. Chem., Letters	CP-D/510
5	MTRA	MSK/A	Memoirs Faculty of Sci., Kyoto Univ.,Ser.Phys.	Full title corrected
5	MEXT	NC/A	Nuovo Cimento A	Publication history updated
5	MTRT	NC/B	Nuovo Cimento B	Publication history updated
5	MTRA	NCR	Rivista del Nuovo Cimento	Publication history updated
5	SEXT	NCS	Nuovo Cimento, Supplemento	CP-D/510
5	MEXT	PCM	Physics of Condensed Matter	Publication history updated
5	SEXT	PHE	High Energy Physics and Nucl.Physics,Chinese ed.	CP-D/510
5	ATRA	PSPS	Planetary and Space Science	CP-N/63
5	SEXT	RPA	Revue de Physique Appliquee	CP-D/510
5	SEXT	RRL	Radiochemical and	CP-D/510

			Radioanalytical Letters	
5	MEXT	ZP	Zeitschrift fuer Physik	Publication history updated
5	MEXT	ZP/A	Zeitschrift fuer Physik A, Hadrons and Nuclei	Publication history updated
5	MEXT	ZP/B	Zeitschrift fuer Physik B, Condensed Matter	Publication history updated
6	ATRA	JIA-	Inst. Nucl. Res., Russian Acad. Sci. Preprint	4C-4/171
6	MCIN	KURRI-	Kyoto Univ., Res. Reactor Inst., Reports	Expansion corrected
7	ATRA	95VANCOU	6th Worksh. on Targetry, Vancouver, Canada, 1995	CP-N/69
7	ATRA	98CAEN	15. Conf. on Cyclotrons and Appl., Caen, France, 1998	CP-D/511
7	MTRA	2006CERN	9. Int. Symp. Nuclei in the Cosmos, CERN, Geneva, 2006	Expansion updated
24	ATRA	ANG1-MAX	Upper Limit of First Angular Range, Lab. System	CP-M/24
24	ATRA	ANG1-MIN	Lower Limit of First Angular Range, Lab. System	CP-M/24
24	ATRA	ANG2-MAX	Upper Limit of Second Angular Range, Lab. System	CP-M/24
24	ATRA	ANG2-MIN	Lower Limit of Second Angular Range, Lab. System	CP-M/24
24	MTRA	ELEM1	Atomic Number of 1st Element	Family corrected flag
24	MTRA	ELEM2	Atomic Number of 2nd Element	Family corrected flag
24	MTRA	ELEM3	Atomic Number of 3rd Element	Family corrected flag
25	ATRA	B*EV/SR	Barns * eV per Steradian	CP-E/132
34	SOBS	AXX	Tensor analyzing power, Cartesian coord.	All relevant quantity codes are made obsolete.
34	SOBS	AYY	Tensor analyz. power, inc. proj. spin normal to scatt. plane	All relevant quantity codes are made obsolete.
34	SOBS	AZZ	Tensor analyz. power, inc. proj. spin parall. to	All relevant quantity codes are made obsolete.

			scatt.plane	
34	SOBS	TRN	Transmission	Not used in quantity code.
144	SEXT	3 , JEF-	Joint Evaluated File, compiled at the OECD	Status updated.
144	ATRA	3 , JEFF-	Joint Evaluated Fission and Fusion (JEFF) Library,	CP-N/70
213	MOBS	FFA	Fission fragment angular distribution d/dA	Independent variable family code corrected
213	ATRA	IAR	Cs integral over inc.en. at resonance	CP-E/132
213	MTRA	RE	Resonance energy	Independent variable family code corrected
236	ATRA	20 / PAR , POL / DA , * , TAP	Tensor analyzing power, T20,spher.coord.,partl .for part.spec.	CP-E/133
236	ATRA	20 , POL / DA / DE , * , TAP	Tensor analyzing power, T20/dA(*)/dE(*), spherical coord.	CP-E/133
236	ATRA	21 / PAR , POL / DA , * , TAP	Tensor analyzing power, T21,spher.coord.,partl .for part.spec.	CP-E/133
236	ATRA	21 , POL / DA / DE , * , TAP	Tensor analyzing power, T21/dA(*)/dE(*), spherical coord.	CP-E/133
236	ATRA	22 / PAR , POL / DA , * , TAP	Tensor analyzing power, T22,spher.coord.,partl .for part.spec.	CP-E/133
236	ATRA	22 , POL / DA / DE , * , TAP	Tensor analyzing power, T22/dA(*)/dE(*), spherical coord.	CP-E/133
236	ATRA	, INT / DA , , RES	Integral over incid.energy of ang. distr. at resonance	CP-E/132
236	ATRA	, MLT , *	Multiplicity of particle specified	Expansion corrected
236	ATRA	, MLT , , RES	Multiplicity at resonance	CP-D/507
236	MTRA	, NU / DE , FF	No.of neutrons emitted by fiss.fr.of given E	Dimension corrected
236	ATRA	, POL / DA / DE , * , VAP	Vect.anal.power,iT(11)/dA(*)/dE(*),spher.coord for part.spec.	CP-E/133

236	MTRA	NN/PAR, DA, , NSF	Non-spin-flip probability (1-S(nn))*partial d/dA	Expansion corrected
236	MTRA	NN/PAR, DA, , SF	Spin-flip probability S(nn)*partial d/dA	Expansion corrected
236	ATRA	NN, POL/DA/DE, *, ANA	Tensor analyzing power A(nn)/dA(*)/dE(*)	CP-E/134
236	DTRA	NN/PAR, DA, , SF	Spin-flip prob. S(nn)*d/dA, partl.reaction	Defined twice
236	MTRA	PAR, MLT, , RES	Partial multiplicity at resonance	Reaction type corrected
236	ATRA	PAR, POL/DA, *, VAP	Vect.anal.power,partl.react.,iT(11),spher.coord for part.spec.	CP-E/133
236	ATRA	PAR, POL/DA/DA, */*	Partial analyzing power d2/dA(*)/dA(*)	CP-D/502
236	MTRA	PR, NU/DE, FF	No.of prompt neutr.em.by fiss.fr.of given E	Dimension corrected
236	MTRA	PR, NU/DE, HF	No.of prompt neutr.em.by heavy fiss.fr.of giv.E	Dimension corrected
236	MTRA	PR, NU/DE, LF	No.of prompt neutr.em.by light fiss.fr.of giv.E	Dimension corrected
236	ATRA	PRE, AKE, LF+HF	Average total kin. energy for prim.fiss.frag.	CP-N/72
236	ATRA	SEC, AKE, LF+HF	Avg.tot.kin.energy for post-neutr-em.frag.	CP-N/72
236	ATRA	SS, POL/DA/DE, *, ANA	Tensor analyzing power A(nn)/dA(*)/dE(*)	CP-E/134
236	ATRA	TER, FY/DE	Diff. fiss. product yield for tern. fiss.	CP-N/68 CP-D/514
236	MTRA	TER/PAR, FY, A	Yield of tern.alpha particles for given alpha e	Reaction type corrected
236	MTRA	TER/PAR, MLT, G/LCP	Gamma mult.,tern.fiss.with light chg.part.eng.given	Reaction type and dimension corrected

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