Nuclear Data Section
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Memo CP-D/630

Date: 29 March 2010
To: Distribution
From: N. Otsuka

Subject: **Dictionary transmission 9100**

- Dictionary transmission 9099 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-2010-03-29.zip.

- All memos submitted before 27 February (for dictionary 1, 2, 4, 16, 24-25, 30-35, 37, 236) and 27 March (for other dictionaries) are considered in this update.

- The French part of the dictionary 3 was systematically updated by E. Dupont (NEA Data Bank). See also CP-N/084.

- Many typographical mistakes reported by M. Bossant (NEA Data Bank) were removed.

- According to a request from M. Mikhaylyukova (CJD), usage of "Moskva" and "Moscow" was improved. They are used for expansions in Russian and English, respectively in this update.

- The following codes have been existed with the status code PRO (not yet approved) and therefore deleted. Two affected entries (M0065 and M0256) should be corrected by the originating centre.

Dictionary 3 (Institutes)

,DA,N/P	(Used in M0256.002-004)
,DA/DE,,LEG	(Not used in the current master.)
,DE,P/RSD	(Used in M0065.005, 009)

- The following code was made obsolete because a new code PAR,DA,*+* replaces it. There is no entry affected by this update.

Dictionary 236 (Quantities)

PAR,DA,*/* (Obsolete; use PAR,DA,*+*)

- The following "trivial" corrections (not proposed in previous memos) are implemented.

Dictionary 3 (Institutes)

KT-ERR (Unit family changed from TEM to E)

Dictionary 213 (Reaction types)

DPR (Independent variable family code 3 added)

Dictionary 236 (Quantities)

CHN,SIG (Unit family changed from CS to B)
SEQ/PAR,DA/DA,*/* (Reaction type changed from DAA to D2P)

- All corrections (except trivial editorial corrections) are summarized below. "Status" gives alteration flags and status codes defined in EXFOR/CINDA Dictionary Manual. "Manuel" and "Marina" below "Memo" means corrections of typographical mistakes based on the report from M. Bossant and corrections of "Moskva" and "Moscow" based on a request from M.Mikhaylyukova, respectively, while "Editorial" means very trivial change (deletion of space, addition of comma etc.)

Dict.	Status	Code	Expansion	Memo
3	MTRA	1USABRK	Lawrence Berkeley National Laboratory, Berkeley, CA	CP-D/594
3	MTRA	1USAINL	Idaho National Laboratory, Idaho Falls, ID	CP-D/594
3	MTRA	1USAVIR	University of Virginia, Charlottesville, VA	Manuel
3	MTRA	2BLGGHT	Universiteit Gent, Gent	CP-E/107
3	SEXT	2FR AAA	Groupement Atomique Alsacienne Atlantique	CP-N/084
3	MTRA	2FR BOR	Universite de Bordeaux	CP-N/084
3	MTRA	2FR BRC	CEA/DAM Ile-de-France, Bruyeres-le-Chatel	CP-N/084
3	MTRA	2FR CAD	CEA/Cadarache	CP-N/084
3	MTRA	2FR CAE	Universite de Caen	CP-N/084
3	SEXT	2FR CEL	CEN Limeil	CP-N/084
3	MTRA	2FR CLE	Universite Blaise Pascal, Clermont-Ferrand	CP-N/084
3	MTRA	2FR CRI	Centre d'Etudes et de Rech. par Irrad., CNRS-Orleans	CP-N/084
3	MTRA	2FR CSN	Centre Spectro. Nucl. et Spectro. de Masse, Orsay	CP-N/084
3	MTRA	2FR EDF	Electricite de France, Paris	CP-N/084
3	MTRA	2FR ENS	Ecole Normale Superieure, Paris	CP-N/084
3	MTRA	2FR FAR	CEA/Fontenay-aux-Roses	CP-N/084
3	MTRA	2FR GAN	Grand Accelerateur National d'Ions Lourds, Caen	CP-N/084
3	MTRA	2FR GRA	Centre d'Etudes Nucleaires de Bordeaux-Gradignan	CP-N/084
3	MTRA	2FR GRE	Universite Joseph Fourier, Grenoble	CP-N/084
3	MTRA	2FR ILL	Institut Laue-Langevin, Grenoble	CP-N/084

3	MTRA	2FR ITL	CEA/Valduc, Is-sur-tille	CP-N/084
3	SEXT	2FR LIM	CEN Limeil	CP-N/084
3	MTRA	2FR LRM	Lab. de Recherche des Musees de France, Paris	CP-N/084
3	MTRA	2FR LYO	Universite de Lyon	CP-N/084
3	MTRA	2FR NTE	Universite de Nantes	CP-N/084
3	MTRA	2FR PAR	Universite de Paris (incl. Orsay)	CP-N/084
3	MOBS	2FR PAU	Dept. de Recherches Physiques, St-Paul-les-Durance	CP-N/084
3	MTRA	2FR PCF	College de France, Paris	CP-N/084
3	MTRA	2FR SAC	CEA/Saclay	CP-N/084
3	SEXT	2FR SAT	Laboratoire National SATURNE, Saclay	CP-N/084
3	MTRA	2FR STR	IPHC, Strasbourg	CP-N/084
3	MTRA	2FR TOU	Universite de Toulouse	CP-N/084
3	SEXT	2FR ULP	Universite Louis Pasteur, Strasbourg	CP-N/084
3	SEXT	2FR VNV	Centre d'Etudes de Limeil, Villeneuve-Saint-Georges	CP-N/084
3	MTRA	3ARGCNE	Comision Nacional de Energia Atomica, Buenos Aires	Editorial
3	ATRA	3AULARP	Australian Radiat.Protect.&Nucl.Safe.Agency,Melbourne	CP-D/603
3	MTRA	3BURBUR	Myanmar (formerly Burma) Myanmar	Manuel
3	ATRA	3HUNTBP	Budapest Univ. of Technology and Economics, Budapest	CP-D/625
3	MTRA	3INDITB	Indian Institute of Technology, Bangalore	Manuel
3	MTRA	3INDNSD	Inter-University Accelerator Centre, New Delhi	CP-D/602
3	MTRA	3INDPOO	University of Pune	CP-D/580
3	MTRA	3INDURJ	Univ.of Rajasthan, Jaipur	Manuel
3	SOBS	3MEXCNM	Centro Nuclear de Mexico, Salazar, Edo. de Mexico	CP-D/595
3	MTRA	3MEXINI	Instituto Nacional de Investigaciones Nucleares	CP-D/595
3	MTRA	3MEXIFM	Inst.de Fis.,Univ.Nacional Autonoma de Mexico(IFUNAM)	CP-D/595
3	MTRA	3MEXIPN	Instituto Politecnico Nacional, Mexico City	CP-D/595
3	MTRA	3MEXITM	Tecnologico de Monterrey	CP-D/595
3	MTRA	3MEXUGM	Universidad de Guanajuato	CP-D/595
3	MTRA	3MEXUMX	Universidad Nacional Autonoma de Mexico	CP-D/595
3	MTRA	3VN IPH	Inst. of Phys. & Electronics, Viet. Acad. Sci., Hanoi	Editorial
3	MOBS	4CCPIFP	Inst. Fizicheskikh Problem, Moskva	Marina
3	MOBS	4CCPITE	Inst. Teoret. i Experiment. Fiziki, Moskva	Marina
3	MOBS	4CCPJIA	Inst. Yadernych Issledovanii A.N. SSSR, Moskva	Marina
3	MOBS	4CCPKUR	Institut Atomnoi Energii I.V. Kurchatova, Moskva	Marina
3	MOBS	4CCPLEB	Fiz. Inst. Lebedev (FIAN), Moskva	Marina
3	MOBS	4CCPMBP	Inst. Mediko-Biologicheskikh Problem, Moskva	Marina
3	MOBS	4CCPMFT	Moskovskii Fiziko-Tekhnicheskii Inst., Moskva	Marina
3	MOBS	4CCPOFI	Inst. Optiko-Fizicheskikh Izmerenii, Moskva	Marina
3	MTRA	4RUSIFP	Inst. Fizicheskikh Problem, Moskva	Marina
3	MTRA	4RUSITE	Inst. Teoret. + Experiment. Fiziki, Moskva	Marina
3	MTRA	4RUSJIA	Inst. Yadernych Issledovaniy Rossiiskoi A.N., Moskva	Marina
3	MTRA	4RUSKUR	Institut Atomnoi Energii I.V. Kurchatova,	Marina

			Moskva	
3	MTRA	4RUSMBP	Inst. Mediko-Biologicheskikh Problem, Moskva	Marina
3	MTRA	4RUSOFI	Inst. Optiko-Fizicheskikh Izmerenii, Moskva	Marina
5	ATRA	FED	Fusion Engineering and Design	CP-N/085
5	SEXT	KNS	Journal of the Korean Nuclear Society	CP-N/597
5	SEXT	PRS	Proc. of the Royal Society (London)	CP-D/615
5	MTRA	VAT/F	Voprocy Atomnoy Nauki i Tekhniki, Seriya Fiziki	CP-D/628
5	MTRA	VAT/I	Vopr.Atomn.Nauki i Tekhn.,Ser.Yad..Fiz..Issledo.	CP-D/628
5	MEXT	VAT/O	Voprocy Atomnoy Nauki i Tekhniki, Seriya Obshch.	CP-D/628
5	MEXT	VAT/R	Voprocy Atomnoy Nauki i Tekhniki, Seriya Reak.	CP-D/628
5	MTRA	VAT/Y	Voprocy Atomn.Nauki i Tekhniki,Ser.Fiz.Yad.Reak.	CP-D/628
6	MEXT	IDO-	1USAMTRPhilips Petroleum Co., Idaho Falls Reports	Manuel
6	MTRA	PTR-	1USAMTRPhillips Petroleum Co., Idaho Falls Reports	Manuel
6	ATRA	RIKEN-NC-NP	2JPNIPCRIKEN Nishina Center: Nuclear Physics preprint	CP-E/142
7	MTRA	71MOCKBA	Neutron Metrology Conf, Moscow 1971	Marina
7	MTRA	77BNL	Symp.on Neutr.Cross-Sect. 10 - 40 MeV,Brookhaven 1977	Manuel
7	MTRA	92ALMAAT	Int.Conf.Nucl.Spectroscopy Nucl.Struct.,Alma-Ata 1992	Manuel
7	ATRA	96PANTNG	Dept.Atom.Energ.Symp.on Nucl.Phys., Pantnagar, 1996	CP-D/601
7	SOBS	2006BOROVE	Workshop Neutron Meas., Eval.& Appl., Borovets, 2006	CP-D/601
7	ATRA	2006SMOLEN	6th Int.Conf.Dynamical Aspects Nucl.Fiss., Smolenice	CP-N/082
7	MTRA	2006VANCOU	Advances in Nucl.Analysis and Simul.,Vancouver, 2006	Editorial
7	ATRA	2007CORSEN	Seminar on Fissssion, Corsendonk Priory, 2007	CP-N/082
7	ATRA	2008BUDA	7th Int.Conf. on Nucl. and Radiochem., Budapest, 2008	CP-D/591
8	MTRA	112	Copernicium	CP-D/620
13	MINT	FYE	Fission product yield, differential, d/dE	Manuel
13	MINT	INP	Cross section integral over inc.en. for E' or level	Editorial
13	MINT	YAE	Double-diff. multiplicity for thick target	Manuel
16	ATRA	DASTR	Data converted from DASTAR file	CP-D/593
23	ATRA	CHGDS	Corrected for charge distribution	CP-D/585
23	ATRA	INTPD	Integration of momentum distribution	CP-D/616
24	ATRA	+ERR-2	+ Unsymmetric 2nd Systematic Error, see 'ERR-ANALYS'.	CP-D/586
24	ATRA	-ERR-2	- Unsymmetric 2nd Systematic Error, see 'ERR-ANALYS'.	CP-D/586
24	MTRA	KT-ERR	Error in Spectrum Temperature (energy units)	This memo
25	MTRA	MB/SR2MEV2	mb per steradian**2 MeV**2	Manuel
25	MTRA	MBQ/C/MEV	Mega-Becquerel/Coulomb/MeV	Manuel
25	MTRA	P/IN/MEVSR	particl./inc.proj. per Sr per MeV	Manuel
25	MTRA	P/MEVMUCSR	particles/(MeV muC sr)	Manuel
26	MOBS	YAE	thick target multiplicity	Manuel
32	ATRA	TRN	Transmission	CP-D/579
34	ATRA	RYL	Reaction yield	CP-D/584

36	MOBS	,COR,N/T/A	Angular correlation neutrons/tritons/alphas	Manuel
36	MTRA	,DA/DA/DE,N/A/A	Triple diff.cross section d3/dA(n)/dA(a)/dE(a)	Manuel
36	MTRA	,PY/DA	Differential product yield d/dA	Manuel
36	MTRA	,PY/DA/DE	Differential product yield d/dA/dE	Manuel
36	MTRA	,SGV	Reaction rate (sigma*velocity)	Manuel
36	MTRA	CUM,TTY	Saturated cumul.thick/thin target yield	Manuel
36	MTRA	TER,DA,A	Angular distribution of alphas, ternary fission	Manuel
45	MTRA	ALF	Alpha	CP-D/612
125	MINT	MB/MEV	mb/MeV	Manuel
125	MINT	MB/SR/MEV2	mb/sr/MeV{+2}	Manuel
125	MINT	MEV-SQ	MeV{+2}	Manuel
136	MINT	PAR/PER,ISP	T [peripheral]	Manuel
144	MTRA	BROND-	Russian Recommended Evaluated Neutron Data Library	CP-D/086
144	MTRA	CENDL-	Chinese Evaluated Nuclear Data Library (CENDL)	CP-D/086
144	MTRA	EFF-	European Fusion File	CP-D/086
144	MTRA	ENDF/B-	Evaluated Nuclear Data File (ENDF) B Library	CP-D/086
144	MTRA	ENDL-	Livermore Evaluated Nuclear Data Library (ENDL)	CP-D/086
144	MTRA	FENDL	Fusion Evaluated Nuclear Data Library (FENDL)	CP-D/086
144	MTRA	IRDF-	International Reactor Dosimetry File (IRDF) in	CP-D/086
144	MTRA	JEF-	Joint Evaluated File (JEF)	CP-D/086
144	MTRA	JEFF-	Joint Evaluated Fission and Fusion (JEFF) Library,	CP-D/086
144	MTRA	JENDL-	Japanese Evaluated Nuclear Data Library (JENDL)	CP-D/086
144	MTRA	JENDL-A-	JENDL Activation File (JENDL/A)	CP-D/086
144	MTRA	JENDL-AC-	JENDL Actinoid File (JENDL/AC)	CP-D/086
144	MTRA	JENDL-AN-	JENDL (alpha,n) Reaction Data File (JENDL/AN)	CP-D/086
144	MTRA	JENDL-D-	JENDL Dosimetry File (JENDL/D)	CP-D/086
144	ATRA	JENDL-FP-	JENDL/FPD, Fission Product Decay Data	CP-D/086
144	MTRA	JENDL-F-	JENDL Fusion File (JENDL/F)	CP-D/086
144	MTRA	JENDL-HE-	JENDL High Energy File (JENDL/HE)	CP-D/086
144	MTRA	JENDL-PD-	JENDL Photonuclear Data File (JENDL/PD)	CP-D/086
207	MTRA	BYCHKOV	Bychkov et al,Cross Sect.f.Thresh.React.,Moscow 1982	Marina
207	MTRA	DMITRIEV	Dmitriev, Yields of Radionuclides, Moscow 1986	Marina
207	MTRA	GAMMAATLAS	Atlas of Gamma-Ray Spectra, Moscow 1978	Marina
207	MTRA	LANDOLT	Landolt-Boernstein, New Series, Springer	Editorial
207	MTRA	LEVKOVSKIJ	Levkovskij,Act.Cs.By Protons and Alphas,Moscow 1991	Marina
207	ATRA	NEUT.RES	Atlas of Neutron Resonances, S.F.Mughabghab, 2006	CP-N/087
207	MTRA	NIKOLAEV	Nikolaev,Anisotr.of Elast.Scatt.Neutr.,Moscow 1972	Marina
213	MTRA	ALF	Alpha (capture-to-fission cs ratio)	CP-D/612
213	MTRA	ALR	Alpha at resonance	CP-D/612
213	MTRA	DPR	Partial angular distribution at resonance	This memo
213	MTRA	FYE	Fission product yield, differential, d/dE	Manuel
213	ATRA	P2A	Analyzing power dA1/dA2 for 2 particles	CP-E/143
213	MTRA	YAE	Double-diff. multiplicity for thick target	Manuel
236	MOBS	,COR,N/T/A	Angular correlation neutrons/tritons/alphas	Manuel

236	DPRO	,DA,N/P	Angular distribution of neutron/proton pair	This memo
236	MTRA	,DA/DA/DP,*/*+*/*+*	Triple diff cs dA(*)/dA(*+*.)/dP(*+*)	Manuel
236	DPRO	,DA/DE,,LEG	Partl.leg.coef. 4pi/Sig d2/dA/dE=Sum(a(L)p(L))	This memo
236	DPRO	,DE,P/RSD	Energy spectrum of proton/residual nucleus pair	This memo
236	ATRA	,NU/DE	Diff. fiss. neutron multiplicity d/dE(n)	CP-D/610
236	MTRA	,POL,*	Spin-polarization probability of particle specified	Manuel
236	MTRA	,POL/DA,*	Diff. spin-polariz. prob. d/dA of part.specified	Manuel
236	ATRA	,POL/DA/DA,*/*,ANA	Analyzing power d2/dA(*)/dA(*)	CP-E/143
236	MTRA	,PY/DA	Differential product yield d/dA	Manuel
236	MTRA	,PY/DA/DE	Differential product yield d/dA/dE	Manuel
236	MTRA	,SGV	Reaction rate (sigma*velocity)	Manuel
236	ATRA	,TRN,,YLD	Reaction yield	CP-D/584
236	MTRA	CHN,SIG	Total chain yield cross section f. fiss.products	This memo
236	MTRA	CUM,TTY	Saturated cumul.thick/thin target yield	Manuel
236	ATRA	LL,POL/DA/DE,,ANA	Tensor analyzing power A(zz)/dA/dE	CP-E/142
236	ATRA	NN,POL/DA/DE,,ANA	Tensor analyzing power A(yy)/dA/dE	CP-D/608
236	ATRA	NN,POL/DA/DE,*,ANA	Tensor analyzing power A(yy)/dA(*)/dE(*)	CP-D/608
236	MTRA	PAR,AKE,FF	Av.neutron en.as a fct.of total fragm.energy	Editorial
236	MTRA	PAR,AKE,N	Average energy for specific group of neutrons	Manuel
236	SOBS	PAR,DA,*/*	Partial angular distrib. of particle pair	This memo
236	ATRA	PAR,DA,*+*	Partial angular distr. of particle pair	CP-C/385
236	ATRA	PAR,DE,*+*	Partial energy distr. of particle pair	CP-C/385
236	DTRA	PAR,POL/DA/DA,*/*	Partial analyzing power d2/dA(*)/dA(*)	CP-D/608
236	ATRA	PAR,POL/DA/DA,*/*,ANA	Partial analyzing power d2/dA(*)/dA(*)	CP-D/608
236	ATRA	PAR,PY/IPA,,TT	Partial product yield d/dA for thick target,int.ang.range	CP-E/142
236	MTRA	PAR,SGV	Partial reaction rate (sigma*velocity)	Manuel
236	MTRA	PR,DE,N	Energy spectrum of prompt fission neutrons	CP-D/610
236	ATRA	PRE,KE,LF+HF	Tot.kin.energy of primary fission fragments specified	CP-D/583
236	ATRA	PRE,KE,G	Pre-neutron emiss.fiss.gamma energy	CP-C/386
236	SOBS	PRE,KE/CRL,LF/HF	Total kinetic energy of primary frag. pair	CP-D/583
236	ATRA	PRE,MLT,G	Pre-neutron emisson fiss.gamma multiplicity	CP-C/386
236	MTRA	PRV,AP,HF	Most prob.provisional mass for heavy frag.	Manuel
236	MTRA	PRV,AP,LF	Most prob.provisional mass for light frag.	Manuel
236	MTRA	SEQ/PAR,DA/DA,*/*	Partial ang.correl.of spec.particles,spec.reac.seq.	This memo
236	ATRA	SL,POL/DA/DA/DE,*/*/*+*,ANA	Tensor analyzing power A(xz)/dA1/dA2/dE	CP-E/142
236	ATRA	SS,POL/DA/DE,,ANA	Tensor analyzing power A(xx)/dA/dE	CP-D/608
236	ATRA	SS,POL/DA/DE,*,ANA	Tensor analyzing power A(xx)/dA(*)/dE(*)	CP-D/608
236	ATRA	SS,POL/DA/DA/DE,*/*/*+*,ANA	Tensor analyzing power A(xx)/dA1/dA2/dE	CP-E/142

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