

**Nuclear Data Section
International Atomic Energy Agency
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Memo CP-D/656

Date: 23 July 2010
To: Distribution
From: N. Otsuka

Subject: Dictionary transmission 9101

- Dictionary transmission 9101 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-2010-07-23.zip>.
- All memos submitted before 23 June (for dictionary 1, 2, 4, 16, 24-25, 30-35, 37, 236) and 23 July (for other dictionaries) are considered in this update.
- The following code was added with wildcard in SF7.

Dictionary 236 (Quantities)

PAR, DE, * (Proposed in Memo CP-D/624 as PAR, DE, N)

- The following codes were deleted because they were replaced by a more generic codes with wildcard in SF7.

Dictionary 236 (Quantities)

TER, AKE, FF (Delete; replaced by TER, AKE, *F)

TER, AKE, HF (Delete; replaced by TER, AKE, *F)

TER, AKE, LF (Delete; replaced by TER, AKE, *F)

- The following change in expansion was introduced:

Dictionary 236 (Quantities)

PR, DE, N Differential cross section with respect to prompt fission neutron energy (see also Memo CP-C/390).

- The following codes were added :

Dictionary 26 (Family Flags)

TTTE (production thick target yield/energy (e.g.mCi/muAhr/MeV))

Dictionary 213 (Reaction Type)

FY2 (Fission product yield, differential, d/dA/dE)

- The following minor corrections were implemented:

Dictionary 6 (Reports)

JIA- (Area code changed from 3 to 4)

Dictionary 24 (Data Headings)

E-RL (Deletion of “Lab. System” from the expansion)

Dictionary 236 (Quantities)

PR, NU/DA/DE, N+LF/N (Addition of “/dE(n)” to the expansion)

- All corrections (except trivial editorial corrections) are summarized below. “Status” gives alteration flags and status codes defined in EXFOR/CINDA Dictionary Manual.

Dict.	Status	Code	Expansion	Memo
003	MTRA	2GERZFK	Forschungszentrum Dresden-Rossendorf (FZD), Dresden	CP-D/653
003	MTRA	2ITYBAU	Universita degli Studi di Bari + INFN Bari	CP-D/640
003	MTRA	2ITYFIR	Universita degli Studi di Firenze + INFN Firenze	CP-D/640
003	MEXT	3DDRROS	Zentralinstitut fuer Kernforschung (ZFK), Rossendorf	Editorial
003	MTRA	3INDIIB	Indian Institute of Technology, Mumbai	CP-D/641
003	MTRA	3INDKUD	Karnatak University, Dharwad	CP-D/641
003	MTRA	3INDTAT	Tata Institute, Mumbai	CP-D/641
003	MTRA	3POLIFJ	Instytut Fizyki Jadrowej	Editorial
005	MTRA	YFE	Yaderna Fizika ta Energetika	CP-D/655
006	MTRA	JIA-	Inst. Nucl. Res., Russian Acad. Sci. Preprint	This memo
016	ATRA	BERMN	Data converted from file of B.Berman	CP-D/642
016	MTRA	RIDER	Data converted from file of B.F.Rider	Editorial
024	MTRA	E-RL	Relative energy of outgoing particles	This memo
024	ATRA	E-RL-ERR	Error in Relative energy of outgoing particles	CP-A/167
024	SOBS	E-RL-CM	Relative Energy of Outgoing Particle, C.M. System	CP-D/611
024	ATRA	MISC-MAX	Upper limit of miscellaneous value	CP-D/651
024	ATRA	MISC-MIN	Lower limit of miscellaneous value	CP-D/651
025	ATRA	ARAD	radians	CP-A/168
025	MOBS	PART/MUAHR	particles/micro-Ampere-hour	CP-D/631
026	AINT	TTTE	production thick target yid/en (e.g.mCi/muAhr/MeV)	This memo
031	SOBS	(DEF)	Uncertain if reaction channel defined	CP-D/644
213	ATRA	FY2	Fission product yield, differential, d/dA/dE	This memo
236	MTRA	(CUM), TTY, , DT	Production thick/thin target yld(assum.cum.)	CP-D/631
236	SOBS	(DEF), SIG	Cross section (assumed reaction defined)	CP-D/644
236	MTRA	(M), TTY, , DT	Production thick/thin-target yld.(uncert.if isom.trans.incl)	CP-D/631
236	ATRA	22, POL/DA, *, TAP	Tensor analyzing power, T22/dA(*)	CP-E/144
236	SOBS	, AKE	Average kinetic energy of outgoing particle	CP-D/599
236	SOBS	, AKE, *	Average kinetic energy of specified particle	CP-D/599
236	ATRA	, AKE, *F	Average kinetic energy of specified fragment	CP-D/599
236	SOBS	, AKE, *, RES	Average kinetic en. of specif.part. at reson.	CP-D/599

236	SOBS	, AKE/DA, *	Avg.kinetic en. of specified part. given angle	CP-D/599
236	SOBS	, DA/KE, FF	Kinetic en. of fission frag. with resp.to angle	CP-D/599
236	ATRA	, KE	Kinetic energy of reaction product	CP-D/598
236	SOBS	, KE, FF	Kinetic energy of fission fragments	CP-D/599
236	DTRA	, KEM, N	Temp.of Maxwell.distr.of outgoing neutrons	CP-D/599
236	ATRA	, NU/DA/DE, N+*F/N	Diff. prompt neut.mult.d/dA(n+frag.spec.)/dE(n)	CP-D/624
236	MTRA	, TRN, , RYL	Reaction yield	CP-D/584
236	MTRA	, TTY, , DT	Production thick/thin-target yield	CP-D/631
236	DOBS	, TTY/DA, , DT	Diff.prod.thick/thin target yield	CP-D/631
236	DTRA	, TTY/DE, , DT	Diff.production thick target yield d/dE	CP-D/631
236	MTRA	CUM, TTY, , DT	Cum.production thick-target yield (unsat.)	CP-D/631
236	MOBS	CUM/UND, TTY, , DT	Cumul.thick-target yield/unit time,undef.react.	CP-D/631
236	SOBS	DL, AKE, N	Average kinetic energy of delayed neutrons	CP-D/599
236	SOBS	DL/GRP, AKE, N	Avg. kinetic en. for specif. delayed neut.group	CP-D/599
236	ATRA	DL/GRP, KE	Kin.ene.of del.reac.prod.f.given half-life grp.	CP-D/598
236	ATRA	EP/PAR, SIG, , SFC	S-factor for electric polarity given, partial	CP-E/144
236	DTRA	FIS, AKE	Avg.kin.energy of outg.part.for high en.fission	CP-D/599
236	SOBS	IND, AKE/DA	Avg.kin.energy at given angle, direct formation	CP-D/599
236	MTRA	IND, TTY, , DT	Indep.production thick/thin-target yld (unsat.)	CP-D/631
236	MTRA	IND/M+, TTY, , DT	Ind.production thick-target yld incl.isom.tr.	CP-D/631
236	MOBS	IND/UND, TTY, , DT	Indep.thick-target yield/unit time,undef.react.	CP-D/631
236	ATRA	LL, POL/DA, *, ANA	Tensor analyzing power, A(zz)/dA(*)	CP-E/144
236	MTRA	M+, TTY, , DT	Thick-target yield per unit time incl.isom.tr.	CP-D/631
236	SOBS	M+ / (DEF), SIG	Cross section,incl.isom.trans.(uncert.reac.def)	CP-D/644
236	MOBS	M+ /UND, TTY, , DT	Thick-targ.yld/unit time incl.isom.tr.,undef.	CP-D/631
236	MTRA	M-, TTY, , DT	Product.thick/thin target yield excl.isom.trans	CP-D/631
236	ATRA	NN, POL/DA, *, ANA	Tensor analyzing power, A(yy)/dA(*)	CP-E/144
236	DTRA	PAR, AKE, G	Average gamma energy for specific group of g's	CP-D/599
236	SOBS	PAR, AKE, G/N	Av.gamma energy as fct.of energ.of emitt.neutr.	CP-D/599
236	SOBS	PAR, AKE, N	Average energy for specific group of neutrons	CP-D/599
236	ATRA	PAR, DA/DE, */*	Part.double diff.cross-section d2/dA(*)/dE(*)	CP-E/144
236	ATRA	PAR, DE, *	Spectrum of particle specified for specif.level	CP-D/624*
236	ATRA	PAR, KE	Kinetic energy of reaction product f. given en.grp.	CP-D/598
236	SOBS	PAR / (DEF), SIG	Partial cross section (uncert.if react.defined)	CP-D/644
236	SOBS	PAR/PRE, AKE	Primary frag.avg.kin.energy for given exc.energy	CP-D/599
236	SOBS	PR, AKE, N	Average kinetic energy of prompt neutrons	CP-D/599
236	SOBS	PR, AKE/DE, N/FF	Av.energy of prompt neutr.dep.on fiss.frag.en.	CP-D/599
236	SOBS	PR, AKE/DA, N	Av.E of pr.neutr.at given angle(neutron)	CP-D/599
236	MTRA	PR, DE, N	Diff.cs.with respect to pr.fiss.neutron energy	This memo
236	ATRA	PR, KE	Kin.energy averaged for prompt prod. specified	CP-D/599
236	SOBS	PR, KE/CRL, N/HF	Energy correl. neutron / heavy fission fragment	CP-D/599
236	SOBS	PR, KE/CRL, N/LF	Energy correl. neutron / light fission fragment	CP-D/599
236	SOBS	PR, KEM, N	Temp.of Maxwell.distr.of prompt neutrons	CP-D/599
236	MTRA	PR, NU/DA/DE, N+LF/N	Diff.prompt neut.mult.d/dA(n+light frag.)/dE(n)	This memo

236	SOBS	PR/PAR, AKE, N	Aver. energy f.specif.group of prompt neutrons	CP-D/599
236	SOBS	PRE, DA/KE, FF	Kin. energy ang.distr. of primary fission frag.	CP-D/599
236	ATRA	PRE, KE	Kinetic energy of primary fission fragments specified	CP-N/088
236	SOBS	PRE, KE, *F	Kinetic energy of primary fission fragments specified	CP-N/088
236	SOBS	PRE/TER, AKE/CRL, A/FF	Av.kin.en.of tern.alphas corr.w.pr.fragm.energy	CP-D/599
236	DTRA	PRE/TER, KEP/CRL, A/FF	Most prob.en.of alphas corr.w.pr.fragm.energy	CP-D/599
236	SOBS	SEC, KE, FF	Av.kin.energy.of post-n-emiss.frag.specified	CP-D/599
236	SOBS	SPL, AKE	Average kinetic energy of spallation products	CP-D/599
236	ATRA	SS, POL/DA, *, ANA	Tensor analyzing power, A(xx)/dA(*)	CP-E/144
236	SOBS	TER, AKE, *	Avg. kin.en. of particle specif., ternary fiss.	CP-D/599
236	ATRA	TER, AKE, *F	Avg. kin.en. of fragment specif., ternary fiss.	CP-D/599*
236	DTRA	TER, AKE, FF	Avg. kin.energy of fission frag., ternary fiss.	This memo
236	DTRA	TER, AKE, HF	Avg.kin.energy of heavy fiss.frag.,tern. fiss.	This memo
236	SOBS	TER, AKE, LCP	Avg. kin.energy light chg. part., ternary fiss.	CP-D/599
236	DTRA	TER, AKE, LF	Avg.kin.energy of light fiss.frag.,tern. fiss.	This memo
236	SOBS	TER, DA/KE, *	Kin. energy angular distr.of part.spec.,ternary fiss.	CP-D/599
236	ATRA	TER, FY/DA	Diff. fission yield dY/dA for tern. fission	CP-D/613
236	ATRA	TER, FY/DA/DE	Diff. fission yield dY/dA/dE for tern. fission	CP-D/613
236	SOBS	TER, KE, FF	Kin.energy of fiss.frag.specified,ternary fis.	CP-D/599
236	SOBS	TER/BIN, FY/RAT, A	Ternary/binary fission alpha yield ratio	CP-D/600
236	SOBS	TER/BIN, FY/RAT, T	Ternary/binary fission triton yield ratio	CP-D/600
236	MOBS	UND, TTY, , DT	Thick-target yield per unit time, undef.reactio	CP-D/631

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