

**Nuclear Data Section
International Atomic Energy Agency
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Memo CP-D/723

Date: 15 December 2011

To: Distribution

From: N. Otsuka

Subject: Dictionary transmission 9103

- Dictionary transmission 9103 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-2011-12-14.zip>.
- All memos submitted before 14 November (for dictionary 1, 2, 4, 16, 24-25, 30-35, 37, 236) and 14 December (for other dictionaries) are considered in this update.
- The backup dictionary was inspected by Nicolas Soppera (NEA Data Bank). He reported that JANIS detects 78 uses of quantities (SF5-SF8) not defined in dictionary 236 on the latest EXFOR Master (Ver.2011-11-02) with this new dictionary. (It was detecting 230 such error messages with the previous dictionary.)
- Additional changes introduced in this memo

1. Change in expansion

Dictionary 3 (Institute Codes)

3IRNKRJ	Agricult., Med. & Indust. Res. School (AMIRS), Karaj
3POLIFJ	Niewodniczanski Instytut Fizyki Jadrowej, Krakow
3POLUJK	Jagellonian University, Krakow

Dictionary 207 (Books)

PR.NUC.EN. Progress in Nuclear Energy Ser.1 Phys. & Mathematics

Dictionary 236 (Quantities)

, DA, *, LEG/RSL Leg.coef. $4\pi/\text{Sig}$ $d/dA=1+\text{Sum}((2L+1)a(L)p(L))$

2. Addition of new codes

Dictionary 3 (Institute Codes)

2JPN0EC Osaka Electro-Communication Univ., Neyagawa, Osaka
(Original proposal in Memo CP-E/149 was 2JPNODE.)

Dictionary 7 (Conference codes)

2010KRAKOW 6th Workshop on Nuclear Measurements, Evaluation and Applications (NEMEA-6), Krakow, Poland, October 25-28, 2010

Dictionary 213 (Reaction types)

MAP Partial multiplicity d/dA
(See also CP-C/397.)

3. Other major corrections

Dictionary 236 (Quantities)

, DA, *, COS (Reaction type changed from FL to FC)

- 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	2ITYCAT	Universita degli Studi di Catania + INFN Catania	CP-N/099
003	ATRA	2JPNKYP	Kyoto Prefectural Univ., Kyoto	CP-E/149
003	ATRA	2JPN0EC	Osaka Electro-Communication Univ., Neyagawa, Osaka	CP-E/149; This memo
003	MTRA	3HUNII	Izotop Intezete, Budapest	editorial
003	MTRA	3IRNKRJ	Agricult., Med. & Indust. Res. School (AMIRS), Karaj	This memo
003	MTRA	3POLIFJ	Niewodniczanski Instytut Fizyki Jadrowej, Krakow	This memo
003	MTRA	3POLUJK	Jagellonian University, Krakow	This memo
005	MTRA	EPJ/CS	EPJ Web of Conferences	editorial
005	MTRA	FCY/L	Fiz. Elementarnykh Chastich i Atomn. Yadra, Letters	editorial
005	ATRA	MDLC	Mendelev Communications	CP-A/173
005	MEXT	ND/A	Nuclear Data Tables (Nuclear Data Sect.A)	editorial
005	SEXT	ND/B	Nuclear Data Sheets (Nuclear Data Sect.B)	CP-D/711
005	ATRA	NDS	Nuclear Data Sheets	CP-D/711
005	ATRA	NET	Nuclear Engineering and Technology	CP-D/713
005	MTRA	PPN/L	Physics of Particles and Nuclei Letters	editorial
005	MTRA	PR	Physical Review	editorial
005	MTRA	PR/A	Physical Review, Part A, General Physics	editorial
005	MTRA	PR/B	Physical Review, Part B, Condensed Matter	editorial
005	MTRA	PR/C	Physical Review, Part C, Nuclear Physics	editorial
005	MTRA	PR/D	Physical Review, Part D, Particles and Fields	editorial
005	ATRA	RDC	Radiochemistry	CP-D/713
005	SEXT	SRA	Soviet Radiochemistry	CP-D/713
005	MTRA	VAT/F	Voprosy Atomnoy Nauki i Tekhniki, Seriya Fiziki	editorial
005	MTRA	VAT/O	Voprosy Atomnoy Nauki i Tekhniki, Seriya Obshch.	editorial

005	MTRA	VAT/R	Voprosy Atomnoy Nauki i Tekhniki, Seriya Reak.	editorial
005	MTRA	VAT/Y	Voprosy Atomn.Nauki i Tekhniki,Ser.Fiz.Yad.Reak.	editorial
007	ATRA	2010KRAKOW	6 Workshop Neutron Meas., Eval.& Appl., Krakow, 2010	This memo
016	ATRA	PENTZ	Data converted from GMA input file of W.P.Poenitz	4C-4/191
017	ATRA	O	Reference to related data compiled in another entry	CP-N/096
025	ATRA	PD/FIS/MEV	products per fission per MeV	CP-C/399
032	ATRA	TKE	Total kinetic energy	CP-D/720
032	ATRA	(PHY)	Uncertain if corrected for decay during irradiation	CP-D/696
032	ATRA	RRE	relative to square-root(E)	CP-C/398
207	MTRA	PR.NUC.EN.	Progress in Nuclear Energy Ser.1 Phys. & Mathematics	This memo
213	ATRA	MAP	Partial multiplicity d/dA	This memo
236	MTRA	, DA, *, COS	Coeff. of cosine expansion for particle specif.	This memo
236	MTRA	, DA, *, LEG/RSD	Leg.coef. d/dA=1+Sum(a(L))rel.90deg f.spec.part.	editorial
236	MTRA	, DA, *, LEG/RSL	Leg.coef.4pi/Sig d/dA=1+Sum((2L+1)a(L)p(L))	This memo
236	SOBS	, INT, , RES	Cross-section integral over inc. energy at res.	CP-D/693
236	MTRA	, KE, LF+HF	Tot.kin. energ.of light/heavy frag.pair specified	editorial
236	MTRA	, MLT, , TT	Multiplicity for thick target,no.part./inc.	editorial
236	ATRA	, MLT/DA	Particle multiplicity d/dA	CP-C/397
236	ATRA	, NU/DE, , RRE	Diff. fiss. neutron mult.rel.to square root(E)	CP-C/398
236	SOBS	, SIG, , DSP	Cross sect. (spins antiparallel-spins parallel)	CP-D/691
236	ATRA	, SIG, ER, SFC	S-factor for unspecified evaporation residue	CP-D/708
236	ATRA	, TTY, , (PHY)	Thick/thin-target yield, unc. if physical	CP-D/696
236	ATRA	NL, POL/DA, , C	Initial spin correlation parameter, C(NL)	CP-C/396
236	ATRA	PAR, DA, G, RES	Partial diff. cross section d/dA at resonance	CP-N/097
236	ATRA	PAR, MLT/DA	Partial multiplicity d/dA	CP-C/397
236	ATRA	PAR/PRE, KE	Primary fragm.kinetic.energy for givn sec.energ	CP-C/396
236	ATRA	PR, FY/DE	Energy spectrum of prompt fission particles	CP-C/399
236	ATRA	PR, KEM	Temp.of Maxwell.distr.of prompt neutrons	CP-D/719
236	DTRA	PR, NU/DA, N+LF	Diff.prompt neut.mult.d/dA(n+light frag.)	CP-D/707
236	ATRA	PR, NU/DA, N+*F	Diff.prompt neut.mult.d/dA(n+frag.specified)	CP-D/707
236	ATRA	PR, NU/DE, , RRE	Prompt neut.spect. relative to square root(E)	CP-C/398
236	SOBS	PR, NU/DE, , RTE	Prompt neut.spect. relative to square root(E)	CP-C/398
236	ATRA	PR, NU/TKE	Prompt neut.mult.for a given tot.kin.energy	CP-D/720
236	ATRA	PR/PAR, FY	Partial yield of prompt fission particles	CP-C/399
236	SOBS	PR/PAR, MLT, G	Partial prompt gamma multiplicity	CP-C/399
236	ATRA	SEC/TER, AKE, *F	Av.kin.energ.of post-neut-emission frag.,ter.fiss.	CP-D/707
236	ATRA	SEC/TER, AKE, LF+HF	Av.tot.kin.e.of post-neut-emission frag.,ter.fiss.	CP-D/707
236	ATRA	SEC/TER, KE, *F	kin.energ.of post-neut-emission frag.,ternary fis.	CP-D/707q
236	ATRA	SL, POL/DA, *, ANA	kin.energ.of post-neut-emission frag.,ternary fis.	CP-C/396

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