

Japan Charged-Particle Nuclear Reaction Data Group

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Memo CP-E/089

Date: March 1, 2006
To: Distribution
From: OTSUKA Naohiko
Subject: Problematic entries (3)
Reference: CP-M/16

During production of index files for a new EXFOR-ENDF retrieval system (<http://www.jcprg.org/exfor/>), various errors are found in EXFOR master files stocked in JCPRG server. As the third part of error report, list of codes which are used in entries but not defined in the dictionary are listed. Some format errors are also reported. Asterisks after subentry numbers mean errors reported in CP-M/16. Possible solutions are partly proposed. However they should be checked by responsible centre before corrections.

Detector code for coincidence counter arrangement: COIN or COINC?

Detector code for coincidence counter arrangements is COIN in Dictionary 22 This is occasionally spelt as COINC in a few entries.

EXFOR Exchange Format Manual (Rev.2004/08) 7.6 also uses COINC:

If the code COINC or TELES is used, then the codes for the detectors used in coincidence or in the telescope follow within the same parenthesis;

Example: DETECTOR (COINC, NAICR, NAICR)

Checking code CHEX also allows use of COINC under DETECTOR.

However I believe Dictionary 22 is correct and the manual and checking code should be corrected, because we find numerous examples of COIN in entries.

INSTITUTE		Code	Remark
22371	001	2ITYNTA	2ITYBOL
22763	004	2ZZZEC	2ZZZGEL
22845	001	2GRCINP	2GRCIOA
41095	001	4CCPEPA	4RISEPA
A0193	001	2GERCRC	2GERDKZ (CP-N/15)
M0054	001	4RUSUFT	4UKRKFT
REFERENCE		Code	Remark
20638	001	B, 58GENEVA	C, 58GENEVA
20645	001	B, 73PARIS	C, 73PARIS
30008	001	B, 61MANCH	C, 61MANCH
40037	001	B, 71KIEV	C, 71KIEV
40044	001	JINR-P-2764, 6606	Format error
40101	001	B, 71KIEV	C, 71KIEV
40500	001	C. 75KIEV	Format error
40558	001	C, 83MOSKOW	C, 83MOSCOW
40627	001	C, 82GAUSSIG	
A0203	001	C, 82KHARKV	
C0791	001	J, HIP	Proposed in CP-C/278
F0666	001	B, 73MUNICH	C, 73MUNICH
REL-REF		Code	Remark
M0349	001	N, J. S. HEWITT+, ...	Format error
O1228	001	C, 2004BORMIO, ...	Format error
REACTION (SF5-8)		Code	Remark
20836	004*,016*	SEQ, DA, A	
20837	009*,010*	SEQ, DA, A	
21601	002-035	, DA/DA/DE, P/N/N	
21628	003*	, PAR, DA	PAR, DA
21701	002*,005*	PAR/CUM, FY	
21929	004*	, DA/DE, , LEG	
22876	003	1(53-I-127(N, TOT)...	Format error
	003	2(53-I-127(N, TOT)	Format error
30323	005*	, SIG, , RAT	, SIG/RAT
30326	002-003*	TER/BIN, DA/RAT, FF	

40420	003,005 014-016	DL/PAR,NU,FF	
41319	003	PAR,POL/DA,G	
41443	002-003	PAR,MLT,,RES	
A0361	002	NUM,SIG,HF	
A0578	123	CUM,SIG/RAT	
A0648	003	CUM,SIG/RAT	
C1133	002	,SIG,,DERIV	,SIG,,,,DERIV
D4056	018	(CUM),PY,,TT/DT	
E1681	007	PAR,POL/DA/DA/DE,P/P /P,ANA	Defined in dict. 36 but not in 236
M0133	007*	,DA,,CS2/RS	
M0179	002*	,DA,,SN2/RS	
M0184	002-005*	,DA,,SN2/RS	
M0186	012-016*	,DA,,SN2/RS	
M0191	002*	,DA,,SN2/RS	
M0225	029-030*	,DA,A,LEG/RS	
M0536	004*	,POL/DA,P,AZI	
M0629	002-006	PAR,SIG/RAT	
PART-DET		Code	Remark
30043	002	RCL/HE3	HE3
	003	RCL/T	T
	005	RCL/D	D
INC-SOURCE		Code	Remark
40058	001	BETAN	
INC-SPECT		Code	Remark
22876	003	1.No black filters	Format error
	003	2.Sodium filter	Format error
METHOD		Code	Remark
22232	001	COIN	COINC
40038	001	L-R	LRASY
FACILITY		Code	Remark
22763	001	2ZZZEC	2ZZZGEL

22845	001	2GRCINP	2GRCIOA
40038	001	NONE	
A0193	001	2GERCRC	2GERDKZ (CP-N/15)
M0054	001	4RUSUFT	4UKRKFT
M0670	001	4UKRIED	4UKRIJD
R0053	001	CYCLO , 1USAANL , ...	Format error
ANALYSIS		Code	Remark
40111	001	STATM	
	001	LSF	
40123	001	PWA	
	001	LSF	
40124	001	LSF	
M0346	003	EN-ERR	Should be under ERR-ANALYS
DETECTOR		Code	Remark
13595	001	MSPEC	MAGSP
13712	001	COINC	COIN
13717	001	COINC	COIN
13835	001	SPECC	Should be under FACILITY
31481	001	D\$PI	D4PI
40026	001	LSCIN	SCIN
40047	001	SURBA	SIBAR
40108	001	OSCIN	SCIN
40108	001	GSCIN	SCIN
40125	002	IONCH	IOCH
40125	003	SURBA	SIBAR?
C0179	001	COINC	COIN
D0268	001	SUBAR	SIBAR?
D0299	001	COINC	COIN
D0310	001	COINC	COIN
E1786	008	PSSI	SI
ERR-ANALYS		Code	Remark
40038	001	NONE	
ADD-RES		Code	Remark
22563	001	D-SPC	

STATUS		Code	Remark
20975	003	791112A	Should be under HISTORY
HEADING		Code	Remark
A0540	002	ANG-DN-CM	ANG-CM-DN
	002	ANG-NM-CM	ANG-CM-NM
UNIT		Code	Remark
40110	003	PERCENT	PER-CENT

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