

# Japan Charged-Particle Nuclear Reaction Data Group

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## Memo CP-E/061

**Date:** December 13, 2004  
**To:** Distribution  
**From:** OTSUKA Naohiko  
**Subject:** Dictionary 34 (Modifiers) and Dictionary 36 (Quantities)  
**Reference:** CP-D/417

I appreciate comments in CP-D/417. I withdraw new codes proposed in CP-E/060. I checked the definition of partial reaction in EXFOR. LEXFOR "Partial Reactions" gives

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### Partial reactions leaving the residual nuclide (reaction product) in an excited state.

The excited state is defined by specifying one, several or a range of:

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- secondary particle energy (of particle considered)

...

The particle considered in an experiment is

- either the particle given in REACTION SF3 (Process),
- or, for other particles,, given in SF7 (Particle Considered).

...

In our database, we can find many entries in which SF3=X, SF4=light products (e.g. 0-G-0, 0-NN-1, 1-H-1), SF5=PAR, and SF7 is blank. Therefore the use of PAR, PY, DA, , TT and PAR, PY, , TT in E1858.009 and E1858.010 can keep consistency with existing compilations. REACTION codes in E1858.009-010 will be corrected in final TRANS.E030.

### **Distribution:**

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## Corrected subentries (E1858.009-010)

SUBENT	E1858009	20041211	E185800900001
BIB	6	14	E185800900002
REACTION	(26-FE-0(P,X)0-NN-1,PAR,PY/DA,,TT)		E185800900003
EN-SEC	ANG is polar angle between beam and neutron in laboratory system		E185800900004
	(E,N) Lower limit energy to obtain double differential multiplicity integrated over neutron energy		E185800900005
ANALYSIS	(INTED) Integration for energy range above 5 MeV		E185800900006
ERR-ANALYS	(ERR-S) Statistical error		E185800900007
ADD-RES	(COMP) Intranuclear cascade model (MCNPX [L.S.Waters(Ed.) MCNPX User's Manual Version 2.4.0, LA-CP-02-408, LANL, 2002] and NMTC/JAM [K.Niita et al., Nucl. Instr. Meth. B184(2001)406].)		E185800900008
			E185800900009
			E185800900010
			E185800900011
			E185800900012
			E185800900013
			E185800900014
STATUS	(TABLE) Data (Fig. 11, p742 in reference) received by e-mail from S.Yonai (2003.12.8)		E185800900015
			E185800900016
ENDBIB	14	0	E185800900017
COMMON	1	3	E185800900018
E-MIN			E185800900019
MEV			E185800900020
5.			E185800900021
ENDCOMMON	3	0	E185800900022
DATA	3	7	E185800900023
ANG	DATA	ERR-S	E185800900024
ADEG	PRD/INC/SR	PRD/INC/SR	E185800900025
0.	7.640E-02	8.340E-05	E185800900026
7.5	6.120E-02	6.690E-05	E185800900027
15.	5.230E-02	6.210E-05	E185800900028
30.	4.530E-02	7.960E-05	E185800900029
60.	1.880E-02	3.090E-05	E185800900030
90.	1.000E-02	3.560E-05	E185800900031
110.	7.340E-03	3.160E-05	E185800900032
ENDDATA	9	0	E185800900033
ENDSUBENT	32	0	E185800999999
SUBENT	E1858010	20041211	E185801000001
BIB	5	8	E185801000002
REACTION	(26-FE-0(P,X)0-NN-1,PAR,PY,,TT)		E185801000003
EN-SEC	(E,N) Lower limit energy to obtain double differential multiplicity integrated over neutron energy		E185801000004
ANALYSIS	(INTED) Integrated over energy range above 5 MeV		E185801000005
	(INTAD) Integrated over whole angular range		E185801000006
ERR-ANALYS	(ERR-S) Statistical error		E185801000007
STATUS	(TABLE) Data (Fig. 13, p743 in reference) received by e-mail from S.Yonai (2003.12.8)		E185801000008
			E185801000009
			E185801000010
ENDBIB	8	0	E185801000011
COMMON	1	3	E185801000012
E-MIN			E185801000013
MEV			E185801000014
5.			E185801000015
ENDCOMMON	3	0	E185801000016
DATA	2	1	E185801000017
DATA	ERR-S		E185801000018
PRD/INC	PRD/INC		E185801000019
2.060E-01	1.640E-04		E185801000020
ENDDATA	3	0	E185801000021
ENDSUBENT	20	0	E185801099999