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Memo CP-E/132

Date: May 1, 2007
To: Distribution
From: KATO Kiyoshi
Subject: Addition to Dictionary 25 (Data Units) , 213 (Reaction Type) and 236 (Quantities)

New data unit code and quantity code are proposed to compile angular differential cross section integrated over resonance peak [1]:

Dictionary 25 (Data Units)

B*EV/SR Barns * eV per Steradian

Dictionary 213 (Reaction Type)

IAR Angular distribution integrated over incident energy at resonance

Dictionary 236 (Quantities)

, INT/DA , , RES Integral over incident energy at resonance of angular distribution

Quantity	Reaction Type	CINDA quantity	Dimension
236	213	45	26
, INT/DA , , RES	IAR	INT	BEDA

Reference

[1] E. Arai et al., J. Phys. Soc. Jpn. **52** (1983) 802 (EXFOR E0900)

Coding sample (E0900.002 in PRELIM.E053)

SUBENT	E0900002	20071004		E090000200001
BIB	5	8		E090000200002
REACTION	(24-CR-50(P,INL)24-CR-50,,INT/DA,,RES)			E090000200003
	dsigma/dOmega integrated over resonance region in			E090000200004
	b*eV/sr			E090000200005
EN-SEC	ANG is polar angle between beam and proton in			E090000200006
	laboratory system			E090000200007
ERR-ANALYS	(DATA-ERR) No information on source of uncertainties			E090000200008
STATUS	(CURVE) Scanned from Fig.4, p807 in reference			E090000200009
HISTORY	(20071004A) At. Re-digitized			E090000200010
ENDBIB	8	0		E090000200011
COMMON	4	3		E090000200012
EN-RES	SPIN J	PARITY	MOMENTUM L	E090000200013
MEV	NO-DIM	NO-DIM	NO-DIM	E090000200014
3.1956	2.5	1.	2.	E090000200015
ENDCOMMON	3	0		E090000200016
DATA	3	4		E090000200017
ANG	DATA	DATA-ERR		E090000200018
ADEG	B*EV/SR	B*EV/SR		E090000200019
9.011E+01	7.800E+00	1.535E+00		E090000200020
1.206E+02	8.997E+00	1.779E+00		E090000200021
1.360E+02	1.360E+01	1.456E+00		E090000200022
1.608E+02	1.055E+01	1.698E+00		E090000200023
ENDDATA	6	0		E090000200024
ENDSUBENT	23	0		E090000299999

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