

Japan Charged-Particle Nuclear Reaction Data Group

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Memo CP-E/057

Date: December 8, 2004
To: Distribution
From: OTSUKA Naohiko
Subject: Addition to Dictionary 36 (Quantities)

According to the decision at NRDC 2004, we propose the following quantity codes:

Dictionary 36 (Quantities)

, PAR, DA/DA, T+A/3-LI-6 DA2 Partial double differential cross section with respect to the angles of triton-alpha pair and ${}^6\text{Li}$

, DA/DA, T+A/3-LI-6 DA2 Double differential cross section with respect to the angles of triton-alpha pair and ${}^6\text{Li}$

Quantity	Reaction Type	Dimension	Reference	Subentry
PAR, DA/DA, T+A/3-LI-6	DAA	DA2	Y. Tokimoto <i>et al.</i> , Phys. Rev. C 63 (2001)035801	E1748.015-019
, DA/DA, T+A/3-LI-6				E1748.046-053

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Sample of coded entry (E1748.015)

Y. Tokimoto *et al.*, Phys. Rev. C**63** (2001) 035801 Fig. 21

SUBENT	E1748015	20041013		E174801500001
BIB	8	21		E174801500002
REACTION	(28-NI-58(3-LI-7,T+A)28-NI-58,PAR,DA/DA,T+A/3-LI-6)			E174801500003
	double differential cross section with respect to			E174801500004
	angle for relative motion between alpha and triton and			E174801500005
	angle for motion of the center of mass of the			E174801500006
	7Li(=alpha+triton) system			E174801500007
EN-SEC	- ANG1 is polar angle between beam and triton in			E174801500008
	laboratory system			E174801500009
	- ANG2 is polar angle between beam and alpha in			E174801500010
	laboratory system			E174801500011
	(E-LVL,3-LI-7)			E174801500012
LEVEL-PROP	(3-LI-7,E-LVL=4.63,SPIN=3.5,PARITY=-1.)			E174801500013
SAMPLE	Target-thickness is 2.1 mg/cm**2.			E174801500014
ERR-ANALYS	(DATA-ERR) No information on source of uncertainties			E174801500015
ADD-RES	(COMP) 1. first-order perturbation theory			E174801500016
	2. Semi-classical model (time-dependent			E174801500017
	Schroedinger equation assuming classical			E174801500018
	trajectory of 7Li system in the Coulomb field			E174801500019
	of the target)			E174801500020
STATUS	(TABLE) Data sent by H.Utsunomiya, corresponding			E174801500021
	figure is Fig.21(top), p035801-13 in reference			E174801500022
HISTORY	(20041012A) SF7 in REACTION is corrected.			E174801500023
ENDBIB	21	0		E174801500024
COMMON	2	3		E174801500025
EN	E-LVL			E174801500026
MEV	MEV			E174801500027
42.	4.63			E174801500028
ENDCOMMON	3	0		E174801500029
DATA	4	5		E174801500030
ANG1	ANG2	DATA	DATA-ERR	E174801500031
ADEG	ADEG	MUB/SR2	MUB/SR2	E174801500032
15.	15.	449.892	33.257	E174801500033
20.	20.	590.886	29.005	E174801500034
25.	25.	287.734	29.837	E174801500035
30.	30.	146.741	10.055	E174801500036
40.	40.	55.0513	4.904	E174801500037
ENDDATA	7	0		E174801500038
ENDSUBENT	37	0		E174801599999