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

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

Distribution:

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Sample of coded entry (E1748.015)

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

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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
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