

Japan Charged-Particle Nuclear Reaction Data Group

Division of Physics, Graduate School of Science
Hokkaido University
060-0810 Sapporo, JAPAN

E-mail: nrdf@jcprg.org
Internet: <http://www.jcprg.org/>

Telephone +81(JPN)-11-706-2684
Facsimile +81(JPN)-11-706-4850

Memo CP-E/058

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

We propose the following quantity codes:

Dictionary 36 (Quantities)

, DA/DE , , TST	DAE	Total spin transfer * d/dA/dE
LL , DA/DE , , SF	DAE	Spin-flip probability S(LL)*d/dA/dE
SS , DA/DE , , SF	DAE	Spin-flip probability S(SS)*d/dA/dE
PAR , POL/DA , , TST	NO	Partial total spin transfer with respect to angle

Quantity	Reaction Type	Dimension	Reference	Subentry
, DA/DE , , TST	DAE	DAE	A. Tamii <i>et al.</i> , Phys. Lett., B459 (1999)61	E1807.003
LL , DA/DE , , SF SS , DA/DE , , SF	DAE	DAE		E1807.004
PAR , POL/DA , , TST	PPD	NO		E1807.007

Distribution:

S. Babykina, CAJaD	J.H. Chang, KAERI	M. Chiba, JCPRG	F.E. Chukreev, CAJaD
S. Dunaeva, NDS	Z.G. Ge, CNDC	O. Gritzay, KINR	A. Hasegawa, JAERI
H. Henriksson, NEA-DB	A. Kaltchenko, KINR	K. Katō, JCPRG	M. Kellet, NEA-DB
M. Lammer, NDS	S. Maev, CJD	V.N. Manokhin, CJD	V. McLane, NNDC
M. Mikhaylyukova, CJD	C. Nordborg, NEA-DB	P. Obložinský, NNDC	A. Ohnishi, JCPRG
O. Schwerer, NDS	S. Tákacs, ATOMKI	S. Taova, VNIIEF	T. Tárkányi, ATOMKI
V. Varlamov, CDFE	M. Vlasov, KINR	M. Wirtz, NDS	H.W. Yu, CNDC
V. Zerkin, NDS	Y.X. Zhuang, CNDC	EXFOR, NEA-DB	JCPRG Distribution

Sample of coded entry (E1807.003-004, 007)

A. Tamii *et al.*, Phys. Lett. **B459** (1999) 61 Fig. 2 and Table 1

```
SUBENT      E1807003   20041105                E180700300001
BIB          4         7                E180700300002
REACTION    (6-C-12(P,INL)6-C-12,,DA/DE,,TST) E180700300003
            Double differential cross section multiplied by total E180700300004
            spin transfer E180700300005
...
ENDBIB      7         0                E180700300010
NOCOMMON    0         0                E180700300011
DATA        3         126             E180700300012
E-EXC      DATA     ERR-S             E180700300013
MEV        MB/SR/MEV  MB/SR/MEV E180700300014
            7.500E+00  5.840E-03  3.164E-03 E180700300015
...
ENDDATA     128        0                E180700300141
ENDSUBENT   140        0                E180700399999
SUBENT      E1807004   20041105                E180700400001
BIB          4         9                E180700400002
REACTION    ((6-C-12(P,INL)6-C-12,LL,DA/DE,,SF)- E180700400003
            (6-C-12(P,INL)6-C-12,SS,DA/DE,,SF)) E180700400004
            Double differential cross section multiplied by E180700400005
            (longitudinal spin-flip probability S(L'L)-transverse E180700400006
            spin-flip probability S(S'S)) E180700400007
...
ENDBIB      9         0                E180700400012
NOCOMMON    0         0                E180700400013
DATA        3         126             E180700400014
E-EXC      DATA     ERR-S             E180700400015
MEV        MB/SR/MEV  MB/SR/MEV E180700400016
            7.500E+00 -5.875E-03  5.680E-03 E180700400017
...
ENDDATA     128        0                E180700400143
ENDSUBENT   142        0                E180700499999
SUBENT      E1807007   20041105                E180700700001
BIB          7         10               E180700700002
REACTION    (6-C-12(P,INL)6-C-12,PAR,POL/DA,,TST) E180700700003
LEVEL-PROP  ((1.) 6-C-12,E-LVL=7.65,SPIN=0,PARITY=+1.) E180700700006
...
ENDBIB     10         0                E180700700013
NOCOMMON    0         0                E180700700014
DATA        5         3                E180700700015
E-LVL      LVL-FLAG  DATA     ERR-S     MISC     E180700700016
MEV        NO-DIM    NO-DIM    NO-DIM    NO-DIM    E180700700017
            7.65      1.        -0.02     0.04     0.        E180700700018
            12.7     2.        0.88     0.04     0.        E180700700019
            15.1     3.        0.99     0.01     1.        E180700700020
ENDDATA     5         0                E180700700021
ENDSUBENT   20         0                E180700799999
```