

Japan Charged-Particle Nuclear Reaction Data Group

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

Telephone +81(JPN)-11-706-2684
Facsimile +81(JPN)-11-706-4850
E-mail nrdf@nucl.sci.hokudai.ac.jp

Memo CP-E/009

Date: August 8, 2002
To: Distribution
From: KATO Kiyoshi
Subject: Dictionary 27 update (Nuclides used as projectile),
Dictionary 36 update (Analyzing power)

1. Neutron rich Lithium used as projectile

We are compiling an experiment which measured ${}^9\text{Li}+p$ and ${}^{11}\text{Li}+p$ elastic scattering cross sections at 60MeV/A (C.-B. Moon et al., Phys. Lett. **B297** (1992) 39). The secondary beams of ${}^9\text{Li}$ and ${}^{11}\text{Li}$ were produced at RIKEN Ring Cyclotron facility. We propose to put flag 2 at column 14 for these nuclei in Dictionary 27.

Dictionary 27 (Nuclides)

3-LI-9 Flag 2 at column 14
3-LI-11 Flag 2 at column 14

2. Analyzing power with respect to two angles and energy

We are compiling an experiment which gives analyzing power as a function of emitted proton energy at fixed angles of proton and coincident alpha in $(p,p+\alpha)$ reactions (T. Yoshimura et al., Nucl. Phys. **A641** (1998) 3). We propose to add the following code:

Dictionary 36 (Quantities)

, POL/DA/DA/DE, P/A/P, ANA NO Analyzing power $d^3/dA(p)/dA(a)/dE(p)$

Distribution:

J.H. Chang, KAERI
M. Chiba, JCPRG
F.E. Chukreev, CAJaD

S. Dunaeva, Sarov
O. Gritzay, KINR
A. Hasegawa, JAERI

K.Kato, JCPRG

M. Kellett, NEADB
M. Lammer, NDS

S. Maev, CJD
V.N. Manokhin, CJD
V. McLane, NNDC

P. Oblozinsky, NNDC
Y. Ohbayasi, JCPRG
N. Otuka, JCPRG

V. Pronyaev, NDS
O. Schwerer, NDS
S. Takacs, ATOMKI

F.T. Tárkányi, ATOMKI
V. Varlamov, CDFE
M. Vlasov, KINR

M. Wirz, NDS
V. Zerkin, NDS
Y.X.Zhuang, CNDC