

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

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Date: April 19, 2003
To: Distribution
From: OTUKA Naohiko and KATŌ Kiyoshi
Subject: Dictionary 24 (Data Headings) and Dictionary 27 (Nuclides)

1. Unsymmetrical Level Energy Error

We are compiling an experiment in which ${}^3\text{He}+{}^9\text{Be}$ reaction is studied (H. Akimune *et al.*, Phys. Rev. C **64** (2001) 041305). Angular distributions of emitted tritons are shown for several excited states of residual nuclei, ${}^9\text{B}$. One of these level is given with unsymmetrical error ($E_x=3.82+0.23-0.22$ MeV which is a newly proposed level in this paper). We propose new codes for unsymmetrical level energy error.

Dictionary 24 (Data Headings)

+E-LVL-ERR + Unsymmetric Level Energy Error
-E-LVL-ERR - Unsymmetric Level Energy Error

2. Thorium isotope ${}^{218}\text{Th}$

We are compiling an experiment of fusion-evaporation residue measurement at JAERI (K.Satou *et al.*, Phys. Rev. C **65** (2002) 054602). In this experiment, ${}^{218}\text{Th}$ was identified as an evaporation residue by measuring alpha particle energies emitted from ${}^{218}\text{Th}$. We propose to add nuclide code for ${}^{218}\text{Th}$.

Dictionary 27 (Nuclides)

90-TH-218 Flag 3 at column 15

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