

Japan Charged-Particle Nuclear Reaction Data Group

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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, ^9B . 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}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}Th was identified as an evaporation residue by measuring alpha particle energies emitted from ^{218}Th . We propose to add nuclide code for ^{218}Th .

Dictionary 27 (Nuclides)

90 - TH - 218

Flag 3 at column 15

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