

Japan Charged-Particle Nuclear Reaction Data Group

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Date: August 8, 2002
To: Distribution
From: KATO Kiyoshi
Subject: Dictionary 36 update (Differential cross sections)

1. Quadruple differential cross section with respect to energies and angles of two protons

We are compiling an experiment which gives quadruple differential cross sections with respect to energies and angles for two protons in $^{40}\text{Ca}(\text{p},\text{p}+\text{p})$ (A.A. Cowley et al., Phys. Rev. C **57** (1998) 3185). We propose the following codes:

Dictionary 36 (Quantities)

,DA2/DE2 , P/P D4A Quadruple-diff. cs section d4/dA(p)/dE(p)/dA(p)/dE(p)

2. Partial Differential cross section with respect to emitted proton energy and angle and alpha angle

We are compiling an experiment which gives partial double diff. cross section with respect to the angles of neutron and proton, and triple diff. cross section with respect to the angles of neutron and proton and the energy of proton in (d,p+n) elastic breakup scattering (H. Okamura et al., Phys. Rev C**58** (1998) 2180). We propose the following codes:

Dictionary 36 (Quantities)

PAR , DA/DA , N/P DA2 Partial double-diff. cross section d2/dA(n)dA(p)
PAR , DA/DA/DE , N/P/P D3A Partial triple-diff. cross section d3/dA(n)dA(p)dE(p)

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