

Japan Charged-Particle Nuclear Reaction Data Group

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Memo CP-E/006

Date: June 28, 2002
To: Distribution
From: KATO Kiyoshi
Subject: Nucleus Codes

We propose updating Dict.27 for the following two compilations:

1. Beam and residual nuclei in measurements of fusion-evaporation residue

We are compiling some experiments of fusion-evaporation residue measurements at JAERI (S. Mitsuoka *et al.*, Phys. Rev. C**62** (2000) 054603, K. Nishio *et al.*, Phys. Rev. C**62** (2000) 014602 and K. Nishio *et al.*, and Phys. Rev. C**63** (2001) 044610). In these experiments, ^{60}Ni , ^{76}Ge and ^{82}Se were used as beam nuclei. ^{208}Ac , ^{209}Ac , ^{210}Th , ^{211}Th and ^{212}Th were identified as evaporation residues by measuring alpha particle energies emitted from these nuclei.

2. Beam nuclei in measurements of neutron yield from thick target

We are also compiling an experiment for the measurements of neutron yield in thick target experiment (T. Kurosawa *et al.*, Phys. Rev. C**62** (2000) 044615). In this experiment they used ^{132}Xe as beam nuclei.

Dictionary 27 (Nuclides)

28-NI-60	Flag 2 at column 14
32-GE-76	Flag 2 at column 14
34-SE-82	Flag 2 at column 14
54-XE-132	Flag 2 at column 14
89-AC-208	Flag 3 at column 15
89-AC-209	Flag 3 at column 15
90-TH-210	Flag 3 at column 15
90-TH-211	Flag 3 at column 15
90-TH-212	Flag 3 at column 15

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