

⁹⁸Y

Grüter et al. observed ⁹⁸Y as reported in the 1970 paper “Identification of μ s-Isomers among Primary Fission Products,” (1970Gr38). Neutrons from the Jülich FRJ-2 reactor irradiated a ²³⁵U target and the fission fragments were identified with a gas-filled on-line mass separator. Gamma-rays of isomeric transitions were recorded with Ge(Li)-diodes. A half-life of 0.83(10) μ s for ⁹⁸Y which corresponds to an isomeric state was listed in a table. Together with another isomeric state at 8.0(2) μ s assigned to either ⁹⁸Y or ⁹⁷Y the measured γ -ray cascade populated the ground state. The half-life of the ground state (0.60 \pm 0.05 s) was measured for the first time four years later by Khan et al. (1974Ka05).

Adapted from reference (2012Ny02)

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