

⁵⁷Zn

Vieira et al. reported the observation of excited states of ⁵⁷Zn in 1976 in the paper “Extension of the $T_z = -3/2$ Beta-Delayed Proton Precursor Series to ⁵⁷Zn” (1976Vi02). The Berkeley 88-in. cyclotron accelerated ²⁰Ne to 62 and 70 MeV which then bombarded natural calcium targets and ⁵⁷Zn was produced in the fusion-evaporation reaction ⁴⁰Ca(²⁰Ne,3n). Beta-delayed protons were measured with a semi-conducting counter telescope. “These activities are, however, very compatible with the β -delayed proton emission expected from ⁵⁷Zn whose predicted threshold via the ⁴⁰Ca(²⁰Ne,3n) reaction is ≈ 50.0 MeV...”

Adapted from reference (2012Gr02)

- 1976Vi02 D. J. Vieira, D. F. Sherman, M. S. Zisman, R. A. Gough, and J. Cerny, Phys. Lett. B **60**, 261 (1976).
2012Gr02 J. L. Gross, J. Claes, J. Kathawa, and M. Thoennessen, At. Data Nucl. Data Tables **98**, 75 (2012).

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