

²⁰²Pt

The first observation of ²⁰²Pt was described in 1992 by Shi et al. in “Identification of a New Neutron Rich Isotope ²⁰²Pt” (1992Sh12). 250 MeV protons from the Shanghai Institute of Nuclear Research K=40 cyclotron bombarded a beryllium target to produce neutrons, which then irradiated a mercury target. ²⁰²Pt was identified by measuring the γ -ray spectra of the chemically separated activities with a HpGe detector. “The gamma ray 439.6 keV from the decay ²⁰²Pt \rightarrow ²⁰²Au \rightarrow ²⁰²Hg was detected... The half-life of ²⁰²Pt is determined to be 43.6 ± 15.2 h.”

Adapted from reference (2011Am01)

- 1992Sh12 S. Shi, W. D. Huang, Y. Li, D. Z. Yin *et al.*, Z. Phys. A **342**, 369 (1992).
2011Am01 S. Amos, J. L. Gross, and M. Thoennessen, At. Data Nucl. Data Tables **97**, 383 (2011).

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