

## **<sup>120</sup>Pd**

In “Gamow-Teller decay of <sup>118</sup>Pd and of the new isotope <sup>120</sup>Pd”, Janas et al. reported the discovery of <sup>120</sup>Pd in 1993 ([1993Ja03](#)). A <sup>238</sup>U target was bombarded with 20 MeV protons from the Jyväskylä MC-20 cyclotron and fission fragments were separated with the on-line mass separator IGISOL. Gamma-, X- and beta-rays were measured with an intrinsic germanium, a planar germanium and a plastic scintillator detector, respectively. “The decay of <sup>118</sup>Pd was reinvestigated in detail, and evidence for the new isotope <sup>120</sup>Pd, with a half-life  $T_{1/2}=0.5\pm 0.1$  s, was found.”

Adapted from reference ([2013Ka01](#))

[1993Ja03](#) Z. Janas, J. Aysto, K. Eskola, P. P. Jauho *et al.*, Nucl. Phys. A **552**, 340 (1993).

[2013Ka01](#) J. Kathawa, C. Fry, and M. Thoennessen, At. Data Nucl. Data Tables **99**, 22 (2013).

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