

¹¹⁹Pd

In “First observation of the beta decay of ¹¹⁷Pd and the discovery of a new isotope ¹¹⁹Pd”, Penttilä et al. identified ¹¹⁹Pd in 1991 (1991Pe04). A ²³⁸U target was bombarded with 20 MeV protons and fission fragments were separated with the on-line mass separator IGISOL in Jyväskylä, Finland. Gamma-, X- and beta-rays were measured with a HPGe, a planar Ge and a plastic scintillator detector, respectively. “For ¹¹⁹Pd, the existence of two beta-decaying states with the same half-life but of opposite parity cannot be excluded. The measured half-life for ¹¹⁹Pd is 0.92 ± 0.13 s.”

Adapted from reference (2013Ka01)

1991Pe04 H. Penttilä, J. Aysto, K. Eskola, Z. Janas *et al.*, *Z. Phys. A* **338**, 291 (1991).

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

Please cite this abstract as: “FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:[10.11578/frib/2279152](https://doi.org/10.11578/frib/2279152)”