

¹²⁵Pd

The discovery of ¹²⁵Pd was reported in the 2008 article “Identification of new isotopes ¹²⁵Pd and ¹²⁶Pd produced by in-flight fission of 345 MeV/nucleon ²³⁸U: First results from the RIKEN RI beam factory ” by Ohnishi et al. ([2008Oh06](#)). The experiment was performed at the RI Beam Factory at RIKEN, where the new isotopes were created by in-flight fission of a 345 MeV/nucleon ²³⁸U beam on a beryllium target. The isotope was separated and identified with the BigRIPS superconducting in-flight separator. “We observed the production of two new isotopes ¹²⁵Pd and ¹²⁶Pd, even though the uranium beam intensity was far from the goal for the RIBF and the total observation time was only about a day.”

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

[2008Oh06](#) T. Ohnishi, T. Kubo, K. Kusaka, A. Yoshida *et al.*, J. Phys. Soc. Jap. **77**, 83201 (2008).

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

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