

¹¹⁶Pd

Evidence for ¹¹⁶Pd was observed by Cheifetz et al. from the University of California at Berkeley, in the 1970 paper “Experimental information concerning deformation of neutron rich nuclei in the A ~ 100 region” ([1970Ch11](#)). Fission fragments from the spontaneous fission of ²⁵²Cf were observed in coincidence with X- and γ -rays measured in Ge(Li) detectors. The observed γ -rays were not discussed in detail for each isotopes and the results were presented in a table. For ¹¹⁶Pd levels at 340.6 (2⁺) and 878.6 (4⁺) keV were reported. The first measurement of the ground state half-life was reported less than a month later by Aron et al. ([1970Ar19](#)).

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

- [1970Ar19](#) P. O. Aronsson, E. Ehn, and J. Rydberg, Phys. Rev. Lett. **25**, 590 (1970).
[1970Ch11](#) E. Cheifetz, R. C. Jared, S. G. Thompson, and J. B. Wilhelmy, Phys. Rev. Lett. **25**, 38 (1970).
[2013Ka01](#) J. Kathawa, C. Fry, and M. Thoennessen, At. Data Nucl. Data Tables **99**, 22 (2013).

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