

¹⁴⁶Ba

The paper “Ground-State Bands in Neutron-Rich Even Te, Xe, Ba, Ce, Nd, and Sm Isotopes Produced in the Fission of ²⁵²Cf” published in 1970 reported the first identification of ¹⁴⁶Ba by Wilhelmy et al. at Berkeley ([1970Wi16](#)). They measured γ -spectra following spontaneous fission of ²⁵²Cf and observed the first two γ -ray transitions of the ¹⁴⁶Ba ground state band. They did not mention the first observation of ¹⁴⁶Ba: “The data, which in some of the cases can be correlated with previously reported results...” implies that some of the cases were new observations.

Adapted from reference ([2010Sh20](#))

[1970Wi16](#) J. B. Wilhelmy, S. G. Thompson, R. C. Jared, and E. Cheifetz, Phys. Rev. Lett. **25**, 1122 (1970).

[2010Sh20](#) A. Shore, A. Fritsch, J. Q. Ginepro, M. Heim *et al.*, At. Data Nucl. Data Tables **96**, 749 (2010).

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