

¹⁷⁸Yb

¹⁷⁸Yb was identified in 1973 by Orth et al. and published in “Decay of ¹⁷⁸Yb and the isomers of ¹⁷⁸Lu” ([1973Or03](#)). Enriched ¹⁷⁶Yb targets were bombarded with 12-MeV tritons from the Los Alamos Van de Graaff accelerator and ¹⁷⁸Yb was formed in the (³H,n) reaction. Gamma-and beta-ray spectra were measured following chemical separation. “Our value for the half-life of ¹⁷⁸Yb is, therefore, 74±3 min.”

Adapted from reference ([2013Fr10](#))

[1973Or03](#) C. J. Orth, W. R. Daniels, D. C. Hoffman, and F. O. Lawrence, Phys. Rev. C **8**, 718 (1973).

[2013Fr10](#) C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 520 (2013).

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