

^{175}Yb

The identification of ^{175}Yb was reported by Atterling et al. in 1945 in “Neutron-induced radioactivity in lutecium and ytterbium” ([1945At02](#)). Ytterbium samples were bombarded with fast and slow neutrons produced by bombarding LiOH with 6 MeV deuterons and beryllium with 6.5 MeV deuterons from the Stockholm cyclotron, respectively. The resulting activities were measured with a Wulf string electrometer and a Geiger-Müller counter. “An initial slope of 4.2 would mean that the mother substance had a half-life of only 2.6 d and the decay curve would soon approach the 6.6 d period. We therefore assign the 4.2 d period to Yb^{175} .”

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

[1945At02](#) H. Atterling, E. Bohr, and T. Sigurgeirsson, *Arkiv Mat. Astron. Fysik A* **32**, No. 2 (1945).

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

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