^{177}Yb

The identification of ^{177}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. "As the cross-section for the 1.9 h period is very small we can hardly expect to find the 6.6 d period in the decay curve of Yb. We therefore assign the 4.2 d period to Yb^{175} and the 1.9 h period to Yb^{177}."

Adapted from reference (2013Fr10)

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

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Please cite this abstract as: "FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:10.11578/frib/2279152"