

¹⁴⁷Tb

In the 1969 paper “Isomerism in ¹⁴⁷Tb” Chu et al. described the identification of ¹⁴⁷Tb ([1969Ch32](#)). Tantalum targets were irradiated with 28 GeV protons from the Brookhaven Alternating Gradient Synchrotron. Subsequent activities were measured with NaI(Tl) and Ge(Li) detectors following chemical separation. “Two ¹⁴⁷Tb isomers with half-lives of 1.1 ± 0.17 h and 2.5 ± 0.1 min were found and their γ -ray spectra determined.” A previously measured 24 min half-life tentatively assigned to ¹⁴⁷Tb ([1960To04](#)) was incorrect.

Adapted from reference ([2013Ma01](#))

- [1960To04](#) K. S. Toth and J. O. Rasmussen, *J. Inorg. Nucl. Chem.* **12**, 236 (1960).
[1969Ch32](#) Y. Y. Chu, E. M. Franz, and G. Friedlander, *Phys. Rev.* **187**, 1529 (1969).
[2013Ma01](#) E. May and M. Thoennessen, *At. Data Nucl. Data Tables* **99**, 1 (2013).

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