

¹⁵⁸Tm

“New isotopes ¹⁵⁸Tm and ¹⁶⁰Tm” was published in 1970 documenting the observation of ¹⁵⁸Tm by de Boer et al. ([1970De13](#)). Erbium oxide samples enriched in ¹⁶²Er were irradiated with 54 MeV protons from the Amsterdam synchrocyclotron and ¹⁵⁸Tm was populated in (p,5n) reactions. Gamma-ray spectra were measured with two coaxial Ge(Li) detectors. “From the individual values the average half-lives were determined to be (9.2±0.4) min for ¹⁶⁰Tm and (4.3±0.2) min for ¹⁵⁸Tm.”

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

[1970De13](#) F. W. N. de Boer, P. F. A. Goudsmit, P. Koldewijn, and B. J. Meijer, *Radiochim. Acta* **13**, 118 (1970).

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

Please cite this abstract as: “FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:[10.11578/frib/2279152](https://doi.org/10.11578/frib/2279152)”