

¹⁹⁵Tl

Knight and Baker discovered ¹⁹⁵Tl in the 1955 paper “Radiochemical study of Tl¹⁹⁵, Tl¹⁹⁷, and Tl^{198m}” (1955Kn34). The Brookhaven 60-inch cyclotron was used to bombard enriched ¹⁹⁶Hg targets with 20-MeV deuterons. The resulting decay curves were measured following chemical separation. “The decay of the Tl¹⁹⁵ and Tl¹⁹⁷, as obtained from the activities of their mercury daughters, is plotted in [the figure]. The Tl¹⁹⁵ half-life was found to be 1.2±0.1 hours.”

Adapted from reference (2013Fr04)

1955Kn34 J. D. Knight and E. W. Baker, Phys. Rev. **100**, 1334 (1955).

2013Fr04 C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 365 (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)”