

¹⁵⁹Tm

In 1971, Ekström et al. identified ¹⁵⁹Tm in the paper entitled “Nuclear spins of neutron deficient thulium isotopes” (1971Ek01). Stable erbium targets were irradiated with 90 MeV protons from the Uppsala synchrocyclotron. ¹⁵⁹Tm was identified with the atomic-beam magnetic resonance method. “The half-life of $T_{1/2}=9$ min of ¹⁵⁹Tm obtained in our measurements is in reasonable agreement with the value 11 ± 3 min obtained by Gromov et al. and the 12 ± 1 min obtained by de Boer et al.” The previous measured half-lives of 11(3) min (1968GrZU) and 12(1) min (1970DeZF) mentioned in the quote were only included in internal reports.

Adapted from reference (2013Fr10)

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

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