

^{172}Tm

The discoveries of ^{172}Tm was announced in 1956 by Nethaway et al. in the paper “New isotopes: Er^{172} and Tm^{172} ” (1956Ne08). Erbium oxide was irradiated with neutrons from the Idaho Materials Testing Reactor, and ^{172}Tm was populated by β -decay from ^{152}Er which was formed by sequential neutron capture from ^{170}Er . Decay curves were measured following chemical separation. “Two new isotopes, Er^{172} of half-life 49.8 ± 1 hr, and Tm^{172} of half-life 63.6 ± 0.3 hr, have been found.”

Adapted from reference (2013Fr10)

1956Ne08 D. R. Nethaway, M. C. Michel, and W. E. Nervik, Phys. Rev. **103**, 147 (1956).

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

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