^{108}Tc

The credit for the discovery of ^{108}Tc is given to John et al. from the University of California at Livermore for the 1970 paper "Four-Parameter Measurements of Isomeric Transitions in ^{252}Cf Fission Fragments " (1970Jo20). Delayed γ-rays between 3 ns and 2 μs were measured in coincidence with both fragments form ^{252}Cf fission. Most masses were determined with an uncertainty of only one mass unit, however, Z was not measured. By comparing the delayed γ-rays with previously measured prompt γ-rays by Watson et al. (1970Wa05), John et al. reassigned ^{107}Tc to ^{108}Tc. The corresponding delayed γ-rays are included in the ENSDF evaluation (2000Bl21). The ground state of ^{108}Tc was discovered two years later by Trautmann et al. (1972Tr08) reporting a half-life of 5.0(2) s.

This assignment was changed (2016Th03) from the original compilation (2012Ny02) which credited Watson et al. (1970Wa05) with the discovery of ^{108}Tc.

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