^{109}Tc

The discovery of ^{109}Tc was described by Trautmann et al. in the 1976 paper "Identification of ^{109}Tc and ^{110}Tc in Fission of ^{249}Cf" (1976Tr02). A ^{249}Cf target was irradiated with thermal neutrons at the Mainz Triga reactor. Gamma-ray spectra were recorded with a Ge(Li) detector following chemical separation: "From this curve a half-life of 1.4±0.4 sec for the parent ^{109}Tc is deduced." Earlier reported γ-ray transitions in ^{109}Tc (1970Wa05, 1971Ho29) were incorrect.

Adapted from reference (2012Ny02)

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