^{113}Tc

The first observation of ^{113}Tc was reported by Äystö et al. in "Discovery of Rare Neutron-Rich Zr, Nb, Mo, Tc and Ru Isotopes in Fission: Test of β Half-life Predictions Very Far from Stability" in 1992 (1992Ay02). At the Ion Guide Isotope Separator On-Line (IGISOL) in Jyväskylä, Finland, targets of uranium were bombarded with 20 MeV protons. β decays were measured with a planar Ge detector, while γ-rays were measured with a 50% Ge detector located behind a thin plastic detector. "The data show clearly the Kα peaks associated with β decay of the new isotopes ^{107}Nb, ^{109}Mo, ^{110}Mo, and ^{113}Tc."

Adapted from reference (2012Ny02)

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