^{161}Tm

Harmatz et al. reported their observation of ^{161}Tm in the 1959 paper "Nuclear spectroscopy of odd-mass (161-173) Nuclides produced by proton irradiation of Er and Yb" (1959Ha09). Enriched ^{162}Er targets were irradiated with 12−22 MeV proton beams from the Oak Ridge 86-in. cyclotron. Conversion electron spectra were measured following chemical separation. "A target enriched in Er^{162} gave rise to an activity which we assign to Tm^{161}. The half-life is 30±10 minutes and a number of internally converted gamma-ray transitions were observed to follow the electron-capture decay of Tm^{161}." A year later a 32-min half-life was assigned to ^{161}Tm independently by Butement and and Glentworth (1960Bu27).

Adapted from reference (2013Fr10)

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