^{163}Tm

Harmatz et al. reported their observation of ^{163}Tm in the 1959 paper "Nuclear spectroscopy of odd-mass (161-173) Nuclides produced by proton irradiation of Er and Yb" (1959Ha09). Enriched ^{164}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. "Proton irradiation of targets enriched with Er^{164} gave rise to an activity of 2.0-hr half-life which, on the basis of activation data is due to Tm^{163}." A year later a 2-h half-life was assigned to ^{163}Tm independently by Butement and Glentworth (1960Bu27).

Adapted from reference (2013Fr10)

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