^{157}Dy

Handley and Olson discovered ^{157}Dy as reported in the 1953 paper "Dysprosium 157" (1953Ha81). Terbium oxide was bombarded with 24 Mev protons from the Oak Ridge 86-in. cyclotron. Decay curves and γ-spectra were measured following chemical separation. An excitation energy function was measured with the stacked foil technique. "From the [the figure] the high threshold of 19$\pm$1 Mev indicates a (p,3n) reaction, thus assigning the 8.2-hour activity to Dy^{157}."

Adapted from reference (2013Fr10)

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