^{158}Er

^{158}Er was first observed by Dneprovskii in 1960 as reported in "New isotopes of holmium and erbium" (1960Dn01). Tantalum targets were bombarded with 660 MeV protons from the Dubna synchrocyclotron and ^{158}Er was populated in spallation reactions. Conversion electrons were measured with a magnetic beta-spectrograph following chemical separation. "From the facts accumulated, we may ascertain the presence of the decay chain Er $\xrightarrow{2.4hr}$ Ho $\xrightarrow{27min}$ Dy... The position of the first excitation level as a function of neutron number suggests that the mass number of the nuclei belonging to the above decay chain is A=158."

Adapted from reference (2013Fr10)

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