^{165}Er

"Radioactive^{165}Er" by Butement reported the observation of ^{165}Er in 1950 (1950Bu85). A holmium oxide target was bombarded with 10 MeV protons from the Harwell cyclotron and ^{165}Er was produced in the ^{165}Ho(p,n)^{165}Er charge exchange reaction. The subsequent decay curve was measured with a Geiger counter following chemical separation. "The radioactivitiy of the erbium decayed entirely with a half-life of 10.0±0.1 hrs." A previous assignment of a 1.1 min half-life (1938Po05) was incorrect. A 12 h half-life had been measured without a mass assignment (1935He03) or assigned to ^{169}Er (1938Po05).

Adapted from reference (2013Fr10)

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