

^{163}Er

The discovery of ^{163}Er was reported in “Erbium¹⁶³ and Thulium¹⁶⁵” by Handley and Olson in 1953 ([1953Ha43](#)). Holmium oxide was bombarded with 24 MeV protons from the ORNL 86-in. cyclotron and ^{163}Er was produced in the $^{165}\text{Ho}(p,3n)$ reaction. Decay curves and γ -ray spectra were measured with a scintillation spectrometer following chemical separation. “A 75-minute activity produced by bombarding Ho^{165} with protons is assigned to Er^{163} .”

Adapted from reference ([2013Fr10](#))

[1953Ha43](#) T. H. Handley and E. L. Olson, Phys. Rev. **92**, 1260 (1953).

[2013Fr10](#) C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 520 (2013).

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