

¹⁵⁶Dy

“A new naturally occurring isotope of dysprosium” was published in 1948 by Hess and Inghram describing the observation of ¹⁵⁶Dy ([1948He02](#)). Dysprosium oxide samples were placed on a surface ionization type filament of a mass spectrometer. Three separate samples were investigated using optical spectrographic analysis at Argonne. “However, in spite of the known presence of all these impurities and consideration of other possible impurities, the peak observed at mass 156 in the metallic ion group could not be explained... We therefore conclude that dysprosium has a previously unknown isotope of mass 156 which is present to about 0.05 percent of the total.”

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

[1948He02](#) D. C. Hess Jr. and M. G. Inghram, Phys. Rev. **74**, 1724 (1948).

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

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