

## <sup>158</sup>Dy

<sup>158</sup>Dy was discovered by Dempster as described in the 1938 paper “The isotopic constitution of gadolinium, dysprosium, erbium and ytterbium” ([1938De01](#)). Two samples of dysprosium oxide reduced with lanthanum and another sample reduced in addition with calcium were used for the analysis in the Chicago mass spectrograph. “Both samples showed two new isotopes at masses 160 and 158... The isotope at 160 was found on 12 photographs with exposures from one-half to forty minutes, the one at 158 on 4 photographs”.

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

[1938De01](#) A. J. Dempster, Phys. Rev. **53**, 727 (1938).

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

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