# $^{156}$Ho

"Nuclear spectroscopy of neutron-deficient rare earths (Tb through Hf)" was published in 1957 by Mihelich et al. describing the observation of $^{156}$Ho (1957Mi67). A dysprosium oxide target was irradiated with 22 MeV protons from the ORNL 86-inch cyclotron. The resulting activities were measured with a conversion electron spectrograph and a scintillation counter following chemical separation. "Ho$^{156}$($\sim$1 hr)$\rightarrow$Dy$^{156}$. — As mentioned before, there is evidence for a Ho$^{156}$ activity of 1-hr half-life which decays by electron capture to a 138-kev level in Dy$^{156}$."

Adapted from reference (2013Fr10)


1957Mi67 J. W. Mihelich, B. Harmatz, and T. H. Handley, Phys. Rev. **108**, 989 (1957).

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