

## $^{164}\text{Ho}$

The first detection of  $^{164}\text{Ho}$  was reported in 1938 by Pool and Quill in “Radioactivity induced in the rare earth elements by fast neutrons” ([1938Po05](#)). Fast neutrons produced with 6.3 MeV deuterons from the University of Michigan cyclotron irradiated holmium-rich yttrium and pure yttrium targets for comparison. Decay curves were measured with a Wulf string electrometer. “The 47-min. period emits electrons and is assigned to  $\text{Ho}^{164}$ .”

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

[1938Po05](#) M. L. Pool and L. L. Quill, Phys. Rev. **53**, 437 (1938).

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

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