

## $^{171}\text{Er}$

The first identification of  $^{171}\text{Er}$  was reported in 1938 by Pool and Quill in “Radioactivity induced in the rare earth elements by fast neutrons” ([1938Po05](#)). Fast and slow neutrons produced with 6.3 MeV deuterons from the University of Michigan cyclotron irradiated erbium oxide targets. Decay curves were measured with a Wulf string electrometer. “Since the 5.1-hr period is not present with fast neutron bombardment, it is assigned to  $\text{Er}^{171}$ .”

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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