

## <sup>171</sup>Hf

In “Radioactive isotopes of lutetium and hafnium” Wilkinson and Hicks described the identification of <sup>171</sup>Hf in 1951 ([1951Wi08](#)). Ytterbium was irradiated with 20 and 38 MeV  $\alpha$ -particles from the Berkeley 60-in. cyclotron and lutetium was irradiated with 15 to 75 MeV protons from the linear accelerator. Decay curves, absorption curves, and electron spectra were measured following chemical separation. “ $16.0 \pm 0.5$  hour Hf<sup>171</sup> — Successive chemical separations of lutetium showed that the decay of the 16-hour activity formed the 8.5-day Lu<sup>171</sup>.”

Adapted from reference ([2012Gr19](#))

- [1951Wi08](#) G. Wilkinson and H. G. Hicks, Phys. Rev. **81**, 540 (1951).  
[2012Gr19](#) J. L. Gross and M. Thoennessen, At. Data Nucl. Data Tables **98**, 983 (2012).

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