^{172}Hf

TIn "Radioactive isotopes of lutetium and hafnium" Wilkinson and Hicks described the identification of ^{172}Hf in 1951 (1951Wi08). Ytterbium was irradiated with 20 and 38 MeV α-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. ".$\sim$5 year Hf^{171} [This is apparently a typo and should read Hf^{172}] — The decay has been followed for over two years, and the half-life appears to be about five years. The activity is the parent of a 6.70-day lutetium daughter; both the decay of the separated daughter and its growth in purified hafnium have been studied."

Adapted from reference (2012Gr19)

1951Wi08 G. Wilkinson and H. G. Hicks, Phys. Rev. **81**, 540 (1951).

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