^{173}Hf

In "Radioactive isotopes of lutetium and hafnium" Wilkinson and Hicks described the identification of ^{173}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. "23.6±0.1 hour Hf^{173} — In the bombardments of ytterbium with 20-Mev alpha-particles and of lutetium with 18- to 32-Mev protons from the linear accelerator, an activity of 23.6 hours half-life was obtained; the radiation characteristics were identical in both cases."

Adapted from reference (2012Gr19)

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