^{171}Lu

In "Radioactive isotopes of lutetium and hafnium" Wilkinson and Hicks described the identification of ^{171}Lu in 1951 (1951Wi08). Targets of rare earth elements were irradiated with various light particles produced with the Berkeley 60-in. cyclotron and the linear accelerator. ^{171}Lu was primarily produced by bombarding thulium targets with 15−38 MeV α particles. Decay curves, absorption curves, and electron spectra were measured following chemical separation. "8.5±0.2-day Lu^{171} — Growth of the 1.7 day-Lu^{170} together with growth of the 8.5-day species was observed only in hafnium activities produced by 60 to 75-Mev protons on lutetium and hence, in view of the production of both isotopes in alpha particle bombardments of thulium, allocation of the 8.5-day activity is made to mass 171."

Adapted from reference (2012Gr19)

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