^{185}Hf

^{185}Hf was discovered by Yuan et al. in "New neutron-rich nuclide ^{185}Hf" in 1993 (1993Yu01). Natural tungsten targets were irradiated with 14 MeV neutrons produced by bombarding a TiT target with deuterons from the Lanzhou 300-KV Cockroft-Walton accelerator. ^{185}Hf was produced in the reaction ^{186}W(n,2p) and identified by measuring γ-ray spectra with a HPGe detector following chemical separation. "A radioactive-series decay analyzing program was applied resulting in the half-lives of 3.5±0.6 min and 48.6±5.6 min, for ^{185}Hf and ^{185}Ta, respectively."

Adapted from reference (2012Gr19)

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