

¹³⁷Gd

Xu et al. identified ¹³⁷Gd in 1999 as described in “New β -delayed proton precursors in the rare-earth region near the proton drip line” (1999Xu05). A 220 MeV ³⁶Ar beam was accelerated with the Lanzhou sector-focused cyclotron and bombarded an enriched ¹⁰⁶Cd target. Proton- γ coincidences were measured in combination with a He-jet type transport system. “From the decay curve of the proton coincident 255-keV γ line, the half-life of the ¹³⁷Gd decay was extracted to be 2.2 ± 0.2 s.” A previously measured half-life of 7(3) s (1983Ni05) was incorrect.

Adapted from reference (2013Ma01)

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