^{235}Am

In 1996, Guo et al. announced the discovery of ^{235}Am in "A new neutron-deficient isotope, ^{235}Am" (1996Gu11). Enriched ^{238}Pu targets were bombarded with 35 MeV protons from the Beijing proton linear accelerator producing ^{235}Am in (p,4n) reactions. X- and γ-ray spectra were measured with a planar HPGe and a GMX HPGe detector following chemical separation. "A radioactive series decay-analyzing program was used to fit the growth and decay curve for 101.1-keV Kx ray. Half-lives of 15$\pm$5 min for ^{235}Am and 25$\pm$4 min for ^{235}Pu were determined from the fit."

Adapted from reference (2013Fr02)

1996Gu11 J. Guo, Z. Gan, H. Liu, W. Yang *et al.*, Z. Phys. A **355**, 111 (1996).
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