^{237}Am

In the 1970 paper "Spontaneously fissioning isomers in U, Pu, Am and Cm isotopes" Polikanov and Sletten identified ^{237}Am (1970Po01). A ^{238}Pu target was bombarded with 12.0−14.1 MeV protons from the Copenhagen Van de Graaff accelerator. Fragments from fission-in-flight were measured with polycarbonate fission track detectors."The 5 ns ^{237m}Am fission isomer is observed and assigned through proton bombardments of ^{238}Pu. The half-life is measured by the fission-in-flight method at 14.0 MeV proton energy." The ground state half-life (73.0(10) min) was first observed five years later by Ahmad et al. (1975Ah05).

Adapted from reference (2013Fr02)

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