^{84}Ge

In the 1972 paper "Identification of new germanium isotopes in fission: Decay properties and nuclear charge distribution in the A = 78 to 84 mass region" del Marmol and Fettweis identified ^{84}Ge (1972De43). A uranyl nitrate solution of ^{235}U was irradiated with neutrons from the Mol BR1 graphite reactor. Gamma-ray spectra were recorded with a Ge(Li) detector following chemical separation. "In the present case the 'milking' method was applied to the 881.6 keV γ-ray from ^{84}Br to obtain the half-life of ^{84}Ge; even with a counting time of 1 h, the statistics of this 50% intensity transition were very low."

Adapted from reference (2012Gr19)

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Please cite this abstract as: "FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:10.11578/frib/2279152"