^{81}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 ^{81}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. "From the results of both β- and γ-ray measurements an average half-life of 10.1$\pm$0.8 s was chosen for ^{81}Ge"

Adapted from reference (2012Gr19)

1972De43 P. Del Marmol and P. Fettweis, Nucl. Phys. A **194**, 140 (1972).

2012Gr19 J. L. Gross and M. Thoennessen, At. Data Nucl. Data Tables **98**, 983 (2012).

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