

⁸³Ge

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 ⁸³Ge ([1972De43](#)). A uranyl nitrate solution of ²³⁵U was irradiated with neutrons from the Mol BR1 graphite reactor. Gamma-ray spectra were recorded with a Ge(Li) detector following chemical separation. “A half-life of 1.9 ± 0.4 s was determined for ⁸³Ge by applying the ‘milking’ method to the 356 keV γ -ray from 22.6 min ⁸³Se after complete decay of its predecessors and of 70 s ^{83m}Se”

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).

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