^{83}Ga

Rudstam and Lund reported the observation of ^{83}Ga in "Delayed-neutron activities produced in fission: mass range 79-98" in 1976 (1976Ru01). ^{235}U targets were irradiated with neutrons from the Studsvik R2-0 reactor. Fission fragments were separated with the OSIRIS isotope separator and half-lives were measured with 20 ^{3}He neutron counters. "Mass number 83: ...We have found only one activity of half-life 0.31±0.01 s. This activity can be assigned to gallium, as ^{83}Ge is reported to be a precursor with half-life of 1.9 ± 0.4 s."

Adapted from reference (2012Gr19)

1976Ru01 G. Rudstam and E. Lund, Phys. Rev. C **13**, 321 (1976).

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"