

⁸⁹Ga

In 2024, Shimizu et al. reported the observation of ⁸⁹Ga in the paper “Production of new neutron-rich isotopes near the N=60 isotones ⁹²Ge and ⁹³As by in-flight fission of a 345 MeV/nucleon ²³⁸U beam” ([2024Sh17](#)). The beam was provided by the RIBF accelerator complex at RIKEN and the fission fragments were separated and identified with the large-acceptance two-stage separator BigRIPS. “In total, we have produced and identified the following 15 new neutron-rich isotopes: ⁸⁴Cu, ^{86,87}Zn, ^{88,89}Ga, ^{91,92}Ge, ^{93,94,95}As, ^{96,97}Se, ^{99,100}Br, and ¹⁰³Kr.” Six events for ⁸⁹Ga were recorded.

[2024Sh17](#) Y. Shimizu, T. Kubo, T. Sumikama, N. Fukuda *et al.*, Phys. Rev. C **109**, 044313 (2024).

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