

¹⁰¹Br

¹⁰¹Br was discovered by Sumikama et al. in the 2021 paper entitled “Observation of new neutron-rich isotopes in the vicinity of ¹¹⁰Zr” ([2021Su01](#)). The isotopes were produced by in-flight fission from a 345 MeV/nucleon ²³⁸U at the RIKEN Radioactive Isotope Beam Factory (RIBF) and separated and identified with the large-acceptance two-stage fragment separator BigRIPS and the ZeroDegree spectrometer. “Nine new isotopes, ¹⁰¹Br, ¹⁰²Kr, ^{105,106}Rb, ¹⁰⁸Sr, ^{110,111}Y, ¹¹⁴Zr, and ¹¹⁷Nb are reported for the first time, with their measured production cross sections compared with the extrapolations of lighter isotopes down to the femtobarn regime.”

Adapted from reference ([2023Th03](#))

[2021Su01](#) T. Sumikama, N. Fukuda, N. Inabe, D. Kameda *et al.*, Phys. Rev. C **103**, 014614 (2021).

[2023Th03](#) M. Thoennessen, Int. J. Mod. Phys. E **32**, 2330001 (2023).

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