

¹⁰⁴Rb

In the 2018 paper “Observation of new neutron-rich isotopes among fission fragments from in-flight fission of 345 MeV/nucleon ²³⁸U: Search for new isotopes conducted concurrently with decay measurement campaigns” Shimizu et al. reported the discovery of ¹⁰⁴Rb ([2018Sh11](#)). The RIKEN RIBF accelerator complex was used to bombard a 2.92-mm-thick beryllium target with a 345 MeV/nucleon ²³⁸U beam. Fission fragments were then identified following the BigRIPS and the ZeroDegree spectrometer. The subsequent decays were recorded with the EURICA setup. A table listed the counts and production cross sections for the newly identified nuclides. Two events of ¹⁰⁴Rb were observed.

Adapted from reference ([2019Th02](#))

[2018Sh11](#) Y. Shimizu, T. Kubo, N. Fukuda, N. Inabe *et al.*, J. Phys. Soc. Jap. **87**, 014203 (2018).

[2019Th02](#) M. Thoennessen, Int. J. Mod. Phys. E **28**, 1930002 (2019).

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