^{113}Zr

In the 2018 paper "Observation of new neutron-rich isotopes among fission fragments from in-flight fission of 345 MeV/nucleon ^{238}U: Search for new isotopes conducted concurrently with decay measurement campaigns" Shimizu et al. reported the discovery of ^{113}Zr (2018Sh11). The RIKEN RIBF accelerator complex was used to bombard a 2.92-mm-thick berrylium target with a 345 MeV/nucleon ^{238}U beam. Fisision 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. One event of ^{113}Zr was 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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