^{84}Cu

In 2024, Shimizu et al. reported the observation of ^{84}Cu in the paper "Production of new neutron-rich isotopes near the N=60 isotones ^{92}Ge and ^{93}As by in-flight fission of a 345 MeV/nucleon ^{238}U 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: ^{84}Cu, ^{86,87}Zn, ^{88,89}Ga, ^{91,92}Ge, ^{93,94,95}As, ^{96,97}Se, ^{99,100}Br, and ^{103}Kr." Three events for ^{84}Cu were recorded. Preliminary results had been presented earlier in an annual report (2018ShZZ).

2018ShZZ Y. Shimizu, N. Fukuda, K. P. Rykaczewski, R. K. Grzywacz *et al.*, REPT-RIKEN **51**, p. 84 (2018).

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

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