^{112}Zr

The discovery of ^{112}Zr was reported in the 2010 article "Identification of 45 New Neutron-Rich Isotopes Produced by In-Flight Fission of a ^{238}U Beam at 345 MeV/nucleon," by Ohnishi et al. (2010Oh02). The experiment was performed at the RI Beam Factory at RIKEN, where the new isotopes were created by in-flight fission of a 345 MeV/nucleon ^{238}U beam on a beryllium target. ^{112}Zr was separated and identified with the BigRIPS superconducting in-flight separator. The results for the new isotopes discovered in this study were summarized in a table. One individual count for ^{112}Zr were recorded. The observation of only one ^{112}Zr event should be considered tentative until it is confirmed by an independent measurement.

Adapted from reference (2012Ny02)

2010Oh02 T. Ohnishi, T. Kubo, K. Kusaka, A. Yoshida *et al.*, J. Phys. Soc. Jap. **79**, 073201 (2010).

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