

^{117}Mo

The discovery of ^{117}Mo 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. The isotopes were 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. 6 counts for ^{117}Mo were recorded.

Adapted from reference ([2012Pa21](#))

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

[2012Pa21](#) A. M. Parker and M. Thoennessen, At. Data Nucl. Data Tables **98**, 812 (2012).

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