

## $^{108}\text{Y}$

The discovery of  $^{108}\text{Y}$  was reported in the 2010 article “Identification of 45 New Neutron-Rich Isotopes Produced by In-Flight Fission of a  $^{238}\text{U}$  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  $^{238}\text{U}$  beam on a beryllium target.  $^{108}\text{Y}$  and  $^{109}\text{Y}$  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. 132 individual counts for  $^{108}\text{Y}$  were recorded.

Adapted from reference ([2012Ny02](#))

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

[2012Ny02](#) A. Nystrom and M. Thoennessen, At. Data Nucl. Data Tables **98**, 95 (2012).

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