

## $^{152}\text{Ba}$

The discovery of  $^{152}\text{Ba}$  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 lead target.  $^{152}\text{Ba}$  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. 17 counts of  $^{152}\text{Ba}$  was recorded.

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

Please cite this abstract as: “FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:[10.11578/frib/2279152](https://doi.org/10.11578/frib/2279152)”