

## **<sup>109</sup>Zr**

<sup>109</sup>Zr was discovered by Bernas et al. in 1997, as reported in “Discovery and Cross-Section Measurement of 58 New Fission Products in Projectile-Fission of 750-A MeV <sup>238</sup>U” (1997Be70). The experiment was performed using projectile fission of <sup>238</sup>U at 750 MeV/nucleon on a beryllium target at GSI in Germany. “Fission fragments were separated using the fragment separator FRS tuned in an achromatic mode and identified by event-by-event measurements of  $\Delta E$ -B $\rho$ -ToF and trajectory.” During the experiment, 47 individual counts for <sup>109</sup>Zr were recorded.

Adapted from reference (2012Ny02)

1997Be70 M. Bernas, C. Engelmann, P. Armbruster, S. Czajkowski *et al.*, Phys. Lett. B **415**, 111 (1997).

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

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)”