

⁹⁰As

Bernas et al. reported the observation of ⁹⁰As in “Discovery and Cross-Section Measurement of 58 New Fission Products in Projectile-Fission of 750-A MeV ²³⁸U” at GSI in Darmstadt, Germany, in 1997 ([1997Be70](#)). The experimental and analysis procedures were the same as in the 1994 experiment with the only difference being that a beryllium target was used instead of a lead target. “The projectile fission of uranium at relativistic energy impinging on a Be target was investigated with the fragment separator, FRS, in order to produce and identify new isotopes and to measure their production yields.” 228 counts of ⁹⁰As were observed.

Adapted from reference ([2010Sh34](#))

- [1997Be70](#) M. Bernas, C. Engelmann, P. Armbruster, S. Czajkowski *et al.*, Phys. Lett. B **415**, 111 (1997).
[2010Sh34](#) A. Shore, A. Fritsch, M. Heim, A. Schuh, and M. Thoennessen, At. Data Nucl. Data Tables **96**, 299 (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)”