^{152}La

In 1994, Bernas et al. published the discovery of ^{152}La in "Projectile fission at relativistic velocities: a novel and powerful source of neutron-rich isotopes well suited for in-flight isotopic separation" 1994 (1994Be24). The isotopes were produced using projectile fission of ^{238}U at 750 MeV/nucleon on a lead target at GSI, Germany. "Forward emitted fragments from ^{80}Zn up to ^{155}Ce were analyzed with the Fragment Separator (FRS) and unambiguously identified by their energy-loss and time-of-flight." This experiment yielded 20 counts of ^{152}La.

Adapted from reference (2012Ma48)

1994Be24 M. Bernas, S. Czajkowski, P. Armbruster, H. Geissel *et al.*, Phys. Lett. B **331**, 19 (1994).

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Please cite this abstract as: "FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:10.11578/frib/2279152"