^{176}Dy

In 2018, Fukuda et al. discovered ^{176}Dy in "Identification of new neutron-rich isotopes in the rare-earth region produced by 345 MeV/nucleon ^{238}U" (2018Fu08). A 345 MeV/nucleon ^{238}U beam from the RIKEN RIBF accelerator complex bombarded beryllium targets and in-flight fission fragments were separated with the BigRIPS separator. The two-stage isotope separation mode was used and the nuclides were identified using the ΔE-TOF-Bρ method. A table listed the counts and production cross sections for the newly identified nuclides. Three ^{176}Dy events were observed.

Adapted from reference (2019Th02)

2018Fu08 N. Fukuda, T. Kubo, D. Kameda, N. Inabe *et al.*, J. Phys. Soc. Jap. **87**, 014202 (2018).

2019Th02 M. Thoennessen, Int. J. Mod. Phys. E **28**, 1930002 (2019).

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