

⁷⁵Sr

Mohar et al. first observed ⁷⁵Sr in the 1991 paper “Identification of new nuclei near the proton-dripline for $31 \leq Z \leq 38$ ” (1991Mo10). A 65 A·MeV ⁷⁸Kr beam produced by the Michigan State K1200 cyclotron reacted with an enriched ⁵⁸Ni target. ⁷⁵Sr was identified by measuring the rigidity, ΔE , E_{total} , and velocity in the A1200 fragment separator. “Several new isotopes at or near the proton-drip line are indicated in the mass spectra: ⁶¹Ga, ⁶²Ge, ⁶³Ge, ⁶⁵As, ⁶⁹Br, and ⁷⁵Sr.”

Adapted from reference (2012Pa21)

1991Mo10 M. F. Mohar, D. Bazin, W. Benenson, D. J. Morrissey *et al.*, Phys. Rev. Lett. **66**, 1571 (1991).

2012Pa21 A. M. Parker and M. Thoennessen, At. Data Nucl. Data Tables **98**, 812 (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)”