

⁷⁷Zr

The first identification of ⁷⁷Zr was reported in 2017 by Suzuki et al. in the paper “Discovery of ⁷²Rb: A Nuclear Sandbank Beyond the Proton Drip Line” (2017Su31). A 345 MeV/nucleon ¹²⁴Xe beam from RIBF impinged on a 740 mg/cm² thick beryllium target. In-flight fragments were separated by BigRIPS and the ZeroDegree spectrometer and implanted in the active silicon stopper WAS3ABi. “Tentative evidence for the existence of ⁷⁷Zr was also observed with one count.”

2017Su31 H. Suzuki, L. Sinclair, P. A. Soderstrom, G. Lorusso *et al.*, Phys. Rev. Lett. **119**, 192503 (2017).

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