

⁹⁸Sn

The discovery of ⁹⁸Sn was reported for the first time in “Discovery of ⁹⁸Sn Produced by the Projectile Fragmentation of a 345-MeV/Nucleon ¹²⁴Xe Beam” by Suzuki et al. in 2025 ([2025Su07](#)). The primary 345-MeV/nucleon ¹²⁴Xe beam was delivered by the RI Beam Factory at RIKEN and projectile fragments were separated using the $B\rho - E - B\rho$ method with the BigRIPS separator. Neutron deficient isotopes around ¹⁰⁰Sn were identified by $TOF - B\rho - E$. “Figure 3 (a) shows that three of the four events at ⁹⁸Sn in the Z versus A/q plots were located in the F3X systematics shown by the pink line; thus, we concluded that the new isotope of ⁹⁸Sn was surely observed.” Previously, the observation of ⁹⁸Sn had been reported in a thesis ([2013CeZZ](#)).

[2013CeZZ](#) I. Celikovic, Thesis, Univ. Caen (2013).

[2025Su07](#) H. Suzuki, N. Fukuda, H. Takeda, Y. Shimizu *et al.*, Prog. Theor. Exp. Phys. **2025**, 053 (2025).

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