

^{118}Ce

Fukuda et al. reported the discovery of ^{118}Ce in the 2026 article “First Observation of Twenty-two Exotic Isotopes Using a ^{208}Pb Primary Beam at RIBF” ([2026Fu06](#)). A 345-MeV/nucleon ^{208}Pb from the RI Beam Factory at RIKEN in Japan, impinged on 2–5 mm thick Be targets and resulting fragments were separated and identified with the large-acceptance two-stage BigRIPS separator. “Five distinct loci observed beyond the boundaries were identified as new proton-rich isotopes: $^{154}_{73}\text{Ta}$ and $^{153,152}_{72}\text{Hf}$ in Fig. [...] and $^{120}_{59}\text{Pr}$ and $^{118}_{58}\text{Ce}$ in Fig. [...]”

[2026Fu06](#) N. Fukuda, S. Michimasa, H. Suzuki, Y. Shimizu *et al.*, Prog. Theor. Exp. Phys. **2026**, 061D01 (2026).

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