

^{189}Yb

Fukuda et al. reported the discovery of ^{189}Yb 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 “Consequently, a total of 17 new neutron-rich isotopes were identified for the first time in this study: $^{179}_{67}\text{Ho}$, $^{181,182}_{68}\text{Er}$, $^{184-186}_{69}\text{Tm}$, $^{188,189}_{70}\text{Yb}$, $^{191}_{71}\text{Lu}$, $^{193,194}_{72}\text{Hf}$, $^{195,196}_{73}\text{Ta}$, $^{198,199}_{74}\text{W}$, and $^{200,201}_{75}\text{Re}$.”

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

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