

⁶⁹Kr

Blank et al. reported the discovery of ⁶⁹Kr in “New Isotopes From ⁷⁸Kr Fragmentation and the Ending Point of the Astrophysical Rapid-Proton-Capture Process” in 1995. They produced the isotopes using SISSI and LISE at the Grand Accélérateur National d’Ions Lourds (GANIL) facility ([1995B106](#)). The discovery was made using projectile fragmentation with ⁷⁸Kr at 73 MeV/nucleon on a nickel target. “We obtained clear evidence for the existence of the five new isotopes ⁶⁰Ga, ⁶⁴As, ^{69,70}Kr, and ⁷⁴Sr.” Identification of the new isotope was achieved using time of flight and ΔE-E measurements and confirmed by measuring γ decays of known isomers.

Adapted from reference ([2010He02](#))

[1995B106](#) B. Blank, S. Andriamonje, S. Czajkowski, F. Davi *et al.*, Phys. Rev. Lett. **74**, 4611 (1995).

[2010He02](#) M. Heim, A. Fritsch, A. Schuh, A. Shore, and M. Thoennessen, At. Data Nucl. Data Tables **96**, 333 (2010).

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