^{79}Zr

^{79}Zr was first reported in "Observation of the Z = N + 1 Nuclei $^{77}_{39}$Y, $^{79}_{40}$Zr, and $^{83}_{42}$Mo" in 1999 by Janas et al. (1999Ja02). At GANIL, France, nickel targets were bombarded with a 60 MeV/nucleon ^{92}Mo beam. ^{79}Zr was separated with the LISE3 spectrometer and the kinetic energy, energy loss, and time-of-flight were measured. "The projections of the $T_z = 0$ and $-1/2$ species onto the Z axis are presented in [the figure] and clearly show the presence of the even-Z, Z = N + 1 nuclei, $^{75}_{38}$Sr, $^{79}_{40}$Zr, and $^{83}_{42}$Mo in our spectra."

Adapted from reference (2012Ny02)

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