^{120}La

In the 1984 article "Beta-delayed proton emission observed in new lanthanide isotopes" Nitschke et al. reported the first observation of ^{120}La (1984Ni03). A 253 MeV ^{64}Zn beam from the Berkeley SuperHILAC was used to form ^{120}La in the fusion-evaporation reaction ^{58}Ni(^{64}Zn,pn). Beta-delayed protons and characteristic X-rays were measured in coincidence at the on-line isotope separator OASIS. "In an experiment with a ^{64}Zn beam and a ^{58}Ni target we observed beta-delayed protons in coincidence with Ba x-rays and conclude that the new precursor is ^{120}La".

Adapted from reference (2012Ma48)

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Please cite this abstract as: "FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:10.11578/frib/2279152"