^{206}Au

In 2011, Morales et al. observed of ^{206}Au in "Synthesis of N = 127 isotones through (p,n) charge-exchange reactions induced by relativistic ^{208}Pb projectiles" (2011Mo18). A 1 GeV/nucleon ^{238}U from the GSI SIS-18 synchrotron impinged on a thick beryllium target and the projectile fragments were selected and identified in-flight by the Fragment Separator FRS. "While the residue ^{205}Au was most commonly produced by the removal of three protons, the nucleus ^{206}Au was unequivocally synthesized through a (p,n) charge-exchange interaction plus the removal of two protons."

2011Mo18 A. I. Morales, J. Benlliure, J. Agramunt, A. Algora *et al.*, Phys. Rev. C **84**, 011601 (2011).

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