^{14}F

In 2010, Goldberg et al. reported the discovery of ^{14}F in "First observation of ^{14}F" (2010Go16). A secondary 31 MeV/u ^{13}O beam produced by in-flight separation at the Texas A&M University Cyclotron was used to bombard a methane gas target. Proton-unbound states of ^{14}F were populated by elastic scattering on hydrogen. "The ground state and several low-lying excited states in ^{14}F were observed and spin/parity assignments were made."

Adapted from reference (2012Th01)

2010Go16 V. Z. Goldberg, B. T. Roeder, G. V. Rogachev, G. G. Chubarian *et al.*, Phys. Lett. B **692**, 307 (2010).

2012Th01 M. Thoennessen, At. Data Nucl. Data Tables **98**, 43 (2012).

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