^{115}Ag

In the 1949 paper "Radioactive Silver Isotopes Produced by Photo-Disintegration of Cadmium", Duffield and Knight reported the discovery of ^{115}Ag (1949Du06). Cadmium oxide enriched with ^{116}Cd was bombarded with 21 MeV betatron x-rays at the University of Illinois. ^{115}Ag was produced in the (γ,p) reaction and identified following chemical separation: "...the 20-min. silver activity was found to be Ag 115 made by Cd 116 (γ,p)." A previously observed 20 m activity (1946Se30) had been tentatively assigned incorrectly to ^{114}Ag (1947Se34).

Adapted from reference (2010Sc10)

1946Se30 W. Seelmann-Eggebert, Naturwissenschaften **33**, 279 (1946).
1947Se34 W. Seelmann-Eggebert and F. Strassmann, Z. Naturforsch. **2**, 80 (1947).
1949Du06 R. B. Duffield and J. D. Knight, Phys. Rev. **75**, 1613 (1949).
2010Sc10 A. Schuh, A. Fritsch, J. Q. Ginepro, M. Heim *et al.*, At. Data Nucl. Data Tables **96**, 531 (2010).

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