^{77}Br

Woodward et al. described the first observation of ^{75}Br in the 1948 paper "Radioactive Br Isotopes" (1948Wo08). Deuterons and α-particles from the Ohio State cyclotron bombarded enriched ^{74}Se and ^{76}Se targets. Gamma- and β-rays were measured with a Wulf electrometer attached to a Freon-filled ionization chamber. A 2.4-day activity was observed with α-particles on ^{74}Se and with deuterons on ^{76}Se. Following the latter observation it was concluded that "Since bombardment of Se with alpha-particles had previously located the activity as either Kr^{77} or Br^{77}, assignment of the activity was made to Br^{77}."

Adapted from reference (2012Gr02)

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