^{77}Cu

In the 1987 paper "Identification of the New-Neutron Rich Isotopes $^{70-74}$Ni and $^{74-77}$Cu in Thermal Neutron Fission of ^{235}U" Armbruster et al. described the discovery of ^{77}Cu (1987Ar21). At the Institut Laue-Langevin in Grenoble, France, fragments from thermal neutron induced fission of ^{235}U were analyzed in the LOHENGRIN recoil separator. "Events associated with different elements are well enough separated to show unambiguously the occurrence of the isotopes $^{70-74}$Ni and $^{74-77}$Cu among other isotopes already known."

Adapted from reference (2012Ga06)

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