^{64}As

In the 1995 article "New Isotopes from ^{78}Kr Fragmentation and the Ending Point of the Astrophysical Rapid-Proton-Capture Process" Blank et al. reported the discovery of ^{64}As at the SISSI/LISE facility of the Grand Accélérateur National d'Ions Lourds in Caen, France, via the projectile fragmentation of a 73 MeV/nucleon ^{78}Kr beam on a nickel target (1995Bl06). The new isotope was identified by its time of flight through the separator and the ΔE-E in a silicon detector telescope. A lower limit for the half-life was established, "The observation of ^{64}As in our experiment and the comparison of the counting rate to neighboring nuclei excludes half-lives much shorter than 1 μs."

Adapted from reference (2010Sh34)

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