^{85}As

In 1967, at Mol, Belgium, del Marmol and de Mevergnies were the first to identify ^{85}As which they reported in "Investigation of delayed neutron precursors of As, Sb and Ge" (1967De01). ^{85}As was produced in thermal neutron fission of ^{235}U and identified via chemical separation where a neutron activity of 2.14 s was observed. "Regarding mass assignments for this 2.15-sec activity, prospective d.n.p. [delayed neutron precursors] are expected among isotopes within masses 85 and 87; ... However, owing to the absence of any 56-sec neutron activity from the ^{87}Br grand-daughter, ^{87}As could be ruled out as being responsible for the 2.15-sec activity,...".

Adapted from reference (2010Sh34)

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