^{52}Fe

"Products of High Energy Deuteron and Helium Ion Bombardments of Copper" presented the first observation of ^{52}Fe by Miller et al. in 1948 (1948Mi12). The bombardment of natural copper with 190 MeV deuterons from the Berkeley 184-inch frequency-modulated cyclotron was used to produce ^{52}Fe in a spallation type reaction. "An aluminum absorption curve of the parent-daughter equilibrium mixture showed, in addition to a component of ca. 2.3 Mev attributable to the 21-min ^{52}Mn, a component of ca. 0.55-Mev maximum energy presumably as a result of the 7.8-hour parent, assigned to ^{52}Fe."

Adapted from reference (2010Sc18)

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