^{77}Sr

Hardy et al. published the discovery of ^{77}Sr in the 1976 paper "A new series of beta-delayed proton precursors" (1976Ha29). A 130 MeV ^{40}Ca beam from the Chalk River MP tandem accelerator was incident upon a calcium target and ^{77}Sr was produced in the fusion-evaporation reaction ^{40}Ca(^{40}Ca,2pn). Beta-delayed protons were recorded with a surface barrier counter telescope; in addition X-rays and γ-rays were measured in coincidence with a NaI(Tl) detector. "The half-life of the previously unreported ^{77}Sr is 9.0$\pm$1.0 seconds."

Adapted from reference (2012Pa21)

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