^{51}Ca

In 1980, Huck et al. described the first observation of ^{51}Ca in the paper "β Decay of ^{51}Ca" (1980Hu14). ^{51}K was produced by bombarding uranium with 600 MeV protons at the CERN synchrotron, which decayed to ^{51}Ca through positron emission. Decay curves of γ-ray spectra were measured. "From the decay of the six strongest lines in the multispectrum, the half-life of ^{51}Ca was found equal to 10.0$\pm$0.8 s." Only a month later Mayer et al. independently reported the detection of ^{51}Ca by measuring the mass excess (1980Ma40).

Adapted from reference (2011Am01)

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