^{35}K

Benenson et al. discovered ^{35}K as reported in the 1976 paper "Mass of ^{35}K" (1976Be08). An enriched ^{40}Ca target was bombarded with 73.7 and 75.8 MeV ^{3}He beams from the Michigan State cyclotron. ^{35}K was produced in the reaction ^{40}Ca(^{3}He,^{8}Li) and identified by detecting the ejectiles with an Enge split pole spectrograph. "The Q value for the reaction was found to be -29.693 ± 0.020 MeV and the mass excess to be -11.170 ± 0.020 MeV. Excited states of ^{35}K were found at 1.56 and 2.69 MeV."

Adapted from reference (2012Th10)

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