^{32}Na

In 1972, Klapisch et al. reported the first observation of ^{32}Na in "Half-life of the new isotope ^{32}Na; Observation of ^{33}Na and other new isotopes produced in the reaction of high-energy protons on U" (1972Kl04). Uranium targets were bombarded with 24 GeV protons from the CERN proton synchrotron. ^{32}Na was identified by on-line mass spectrometry and decay curves were measured. "[The figure] then shows that peaks do occur for ^{32}Na in the positions expected from the calibration with the known isotope ^{22}Na." The half-life of ^{32}Na was listed in a table as 14.5(3) s.

Adapted from reference (2012Th10)

1972Kl04 R. Klapisch, C. Thibault, A. M. Poskanzer, R. Prieels *et al.*, Phys. Rev. Lett. **29**, 1254 (1972).

2012Th10 M. Thoennessen, At. Data Nucl. Data Tables **98**, 933 (2012).

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