^{29}S

In 1964, Hardy and Verrall reported the first observation of ^{29}S in "Delayed protons following the decay of S^{29}" (1964Ha45). A thin sulfur target was inserted on a radial probe into the circulating proton beam of the McGill synchrocyclotron. Beta delayed protons were measured with a surface barrier silicon detector. "Typical decay curves for the three main peaks are shown in [the figure]. The data for the 5.59 MeV peak has been corrected for the small Si^{25} peak (5.62 MeV). From such curves, the half-life we adopt for S^{29} is 195±8 msec."

Adapted from reference (2012Th10)

1964Ha45 J. C. Hardy and R. I. Verrall, Phys. Lett. **13**, 148 (1964).
2012Th10 M. Thoennessen, At. Data Nucl. Data Tables **98**, 933 (2012).

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