

²⁷P

Benenson et al. observed ²⁷P at the Cyclotron Laboratory of Michigan State University in 1977 as reported in “Mass of ²⁷P and ³¹Cl” (1977Be13). A ³²S target was bombarded with a 70 MeV ³He beam and ²⁷P was formed in a (³He,⁸Li) reaction. The ejectiles were measured with a double proportional counter and a thin plastic scintillator at the focal plane of a split-pole spectrograph. “The spectrum from the ³²S(³He,⁸Li)²⁷P reaction at 7° is given in [the figure]. The ²⁷P ground state is clearly evident although not at all strong.”

Adapted from reference (2012Th10)

1977Be13 W. Benenson, D. Mueller, E. Kashy, H. Nann, and L. W. Robinson, Phys. Rev. C **15**, 1187 (1977).

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

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