

³⁰Si(pol p, π^-) [1987Ca05](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen and Balraj Singh		NDS 184,29 (2022)	24-Jun-2022

[1987Ca05](#): E=199.6 MeV polarized protons from IUCF. A quadrupole split dipole pion spectrograph with vertical drift chamber and plastic scintillator detectors at focal plane. Energy spread due to target <100 keV, beam energy spread 200 keV. Enriched ³⁰Si (oxide) target. Measured spectra at 30° lab. Also [1986CaZR](#) thesis.
Reaction expected to selectively populate high-J, 2p-1h states.

³¹S Levels

E(level)[†]
50
2200
3190
8330
10580
13330

[†] ΔE=100 keV.