

³⁶S(¹⁴C, ¹⁷O)

1984Ma49

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen and Balraj Singh	NDS 199,1 (2025)	30-Sep-2024

1984Ma49: E=71 MeV ¹⁴C beam was produced from the Munich MP-Tandem accelerator. Target was 80% enriched Ag₂S with 14 μg/cm² sulphur on a 3 μg/cm² carbon backing. Reaction products were momentum-analyzed with the Munich Q3D spectrograph (FWHM=30-150 keV). Measured particle spectra. Deduced levels, mass excess.

³³Si Levels

E(level) [†]	Comments
0	dσ/dΩ=0.12 μb/sr at θ _{lab} =10°.
1040 30	dσ/dΩ=0.13 μb/sr at θ _{lab} =10°.

[†] From 1984Ma49.