^{42}Ca(^{14}C,^{16}O) 1980Ma40

Type	Author	History Citation	Literature Cutoff Date
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1980Ma40: E=78 MeV ^{14}C beam was produced from the Munich MP tandem accelerator. Target was enriched ^{48}Ca with ^{42}Ca component. Reaction products were momentum analyzed with the Q3D magnetic spectrograph and detected by a position-sensitive ionization chamber. Measured σ(E). Deduced levels.

^{40}Ar Levels

E(level)[†]
0
1500
2130[‡]
3200
4300
4700
5300

[†] Values were read off by evaluator from measured ^{16}O spectrum in Fig.2 in 1980Ma40, with uncertainty estimated as 100 keV.
[‡] Very weak.