^{48}Ca(^{14}C,^{14}N) 1980Ma40

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jun Chen	NDS 179, 1 (2022)	30-Nov-2021

1980Ma40: E=75 and 78 MeV ^{14}C beam. 100 μg/cm^2 ^{48}Ca target on a 4 μg/cm^2 carbon backing. Reaction products were momentum-analyzed with a Q3D magnetic spectrograph and detected with a position-sensitive ionization chamber. Measured $\sigma(\theta=15°)$. Deduced levels, mass excess=−29720 keV *50*.

^{48}K Levels

E(level)	Comments
0.0	$\sigma\approx$80 μb/sr at E(beam)=75 MeV (1980Ma40).
≈350?	
≈800?	
≈2100?	