^{44}Ca(^{3}He,^{7}Be) 1976St11

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jun Chen	NDS 140, 1 (2017)	30-Sep-2015

1976St11: E=70 MeV ^{3}He beam was produced from the Michigan State university Cyclotron. Target was 90 μg/cm^{2} metallic ^{44}Ca (98.56% purity). Reaction products were momentum analyzed with an Engel split-pole spectrograph (FWHM=140 keV) and detected by a single-wire proportional counter backed by a plastic scintillator. Measured σ(E,θ). Deduced levels, J, π, spectroscopic factor from DWBA analysis.

^{40}Ar Levels

E(level)	S[†]
0	0.015
1460	
2120	
2520	
2890	
3210	
3510	
3680	

[†] From a DWBA fit to measured angular distribution (1976St11).