

$^{42}\text{Ca}(^3\text{He}, ^7\text{Be})$ 1976St11

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Jun Chen	NDS 152, 1 (2018)	30-Sep-2017

1976St11: E=70 MeV beam was produced from the Michigan State University Cyclotron. Target was $100 \mu\text{g}/\text{cm}^2$ ^{42}Ca (98.42% enriched). Reaction products were momentum-analyzed with an Engel split-pole magnetic spectrograph and detected with a single-wire proportional counter backed by a plastic scintillator. Measured ^7Be spectrum at 18° . Deduced levels.

 ^{38}Ar Levels

<u>E(level)[†]</u>	<u>Comments</u>
0	
2170	
3380	
3900	E(level): unresolved structure composed of 3810+3940+(3380+429 level from ^7Be).
5590	
5820	
6030	
6250	

[†] Uncertainty ≈ 50 keV.