^{36}Ar(^{3}He,^{6}He) 1974Na07

History

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

1974Na07: E=70 MeV ^{3}He beam was produced from the Michigan State University cyclotron. Target was ^{36}Ar gas. Reaction products were momentum-analyzed with a magnetic spectrograph, FWHM=150 keV. Measured energy spectrum. Deduced levels.

^{33}Ar Levels

E(level)	J^{π} †	Comments
0	$1/2^{+}$	dσ/dΩ=0.13 μb/sr *2*.
1340 *20*	$3/2^{+}$	
1790 *20*	$5/2^{+}$	

† As proposed by 1974Na07 based on their identification as analog states of ^{33}P.