

${}^{36}\text{Ar}({}^3\text{He,d})$ 1967Go18

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	John Cameron, Jun Chen and Balraj Singh, Ninel Nica		NDS 113, 365 (2012)	15-Jan-2012

1967Go18: E=11.8 MeV; measured deuteron spectra, $\sigma(\theta)$; deduced L values.

 ${}^{37}\text{K}$ Levels

E(level)	$J^{\pi\dagger}$	L	Relative peak height ‡
0	$3/2^+, 5/2^+$	2	300
1380 [#] 10	$5/2^-, 7/2^-$	3	800
2169	$1/2^-, 3/2^-$	1	700
2750			23
3311			46

† From L values measured by 1967Go18 ($J=L\pm 1/2$, $\pi=(-1)^L$).

‡ Obtained by evaluators As an indication of relative intensities (1967Go18 fig. 17, deuteron spectrum At $\theta=55^\circ$).

$^{\#}$ Mainly 1380, of the doublet 1368,1380 (1967Go18).