

$^{40}\text{Ar}(^6\text{Li},\text{d})$ **1976Be27,1971Fo13**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen and Balraj Singh		NDS 190,1 (2023)	20-Jun-2023

Target ^{40}Ar $J^\pi=0^+$.

1976Be27, 1971Fo13: E=17, 22 MeV $^6\text{Li}^{3+}$ beam was produced from the University of Pennsylvania tandem accelerator. Target was natural Ar gas. Deuterons were momentum-analyzed with a multiangle spectrograph. Measured $\sigma(E_d,\theta)$. Deduced levels, J^π , L-transfers from DWBA analysis.

 ^{44}Ca Levels

E(level) [†]	L [†]	relative yield [‡]
0	0	100
1160	2 [#]	
1880	0	17
2280	4 [#]	
2660	2 [#]	
3040		
3590	0	<1.5
5850	0	89

[†] From [1976Be27](#), unless otherwise stated.

[‡] From [1976Be27](#).

From [1971Fo13](#).