

$^{42}\text{Ca}(\text{d},^6\text{Li})$ 1973Ma46

<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

1973Ma46 (also 1972LeXX thesis): E=28 MeV deuteron beam was produced at Grenoble. Target was isotopically enriched ^{42}Ca . Reaction products were detected with $\Delta\text{E-E}$ telescopes. Measured $\sigma(\text{E}(^6\text{Li}),\theta)$. Deduced levels, L-transfers, relative spectroscopic factors from DWBA analysis.

 ^{38}Ar Levels

<u>E(level)</u>	<u>L</u>	<u>relative S factor</u>	<u>Comments</u>
0	0	0.16	
2170	2	0.065	
3380	0	0.15	
3810			E(level): weakly populated.
3940	2	0.45	