^{40}Ca(d,^{6}Li) 1984Um04,1980Ya02,1979Oe02

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Ninel Nica, John Cameron and Balraj Singh	NDS 113, 1 (2012)	31-Dec-2011

1984Um04: E=54.2 MeV.
1980Ya02: E=54.25 MeV.
1979Oe02: E=80 MeV.
1973Ma46: E=28 MeV.
1972Be29: E=28 MeV.
1971Gu07: E=19.5 MeV.
All papers measured $\sigma(\theta)$, did DWBA analysis and deduced spectroscopic factors.
Others: 1975Be01, 1988Ra20.

^{36}Ar Levels

E(level)	J^{π}†	L†	S	Comments
0	0^+	0	0.13	E(level): observed by 1984Um04, 1980Ya02, 1979Oe02, 1973Ma46, 1972Be29, 1971Gu07. S: 0.13 (1984Um04), 0.50 (1980Ya02), 0.40 (1979Oe02, relative mean value), 0.54 (1973Ma46, relative), 0.09 (1972Be29, relative).
1970	2^+	2	0.18	E(level): observed by 1984Um04, 1980Ya02, 1979Oe02, 1973Ma46, 1972Be29. S: 0.18 (1984Um04), 1.08 (1980Ya02), 1 (1979Oe02, relative mean value), 1.15 (1973Ma46, relative), 0.22 (1972Be29, relative).
4410	4^+	4	0.37	E(level): observed by 1984Um04, 1980Ya02, 1979Oe02, 1973Ma46. S: 0.37 (1984Um04), 1.15 (1980Ya02), 1.7 (1979Oe02, relative mean value), 1.90 (1973Ma46, relative).
4440	2^+	2		E(level): observed by 1984Um04 (4420), 1973Ma46 (4450). not resolved from 4410.

† From DWBA analysis.