^{36}Ar(d,d′)   **1969Me20**

History

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

Includes ^{36}Ar(pol d, d′).

1969Me20: (d,d′) E=18 MeV; measured $\sigma(\theta)$ and did DWBA and coupled channels analysis.
1987Nu01: (pol d,d′) E=52 MeV; measured $\sigma(\theta)$ and vector analysis powers (VAP).
Others: 1982Cl01, (pol d,d′).

^{36}Ar Levels

E(level)[†]	J^{π}[‡]	L[‡]	Comments
0	0^+	0	
1970	2^+	2	
4178	(3^-)	(3)	
4330			J^{π}: 2^+ and 4^+ are suggested In fig. 9 but there is No DWBA fit to data.
4410			
4980	$(3^-,(2^+))$	(3,(2))	
5170	(5^-)	(5)	
5890			

[†] According to 1969Me20, except for the g.s. and 1970 all the other levels are unresolved doublets (for 5890 they indicate triplet).
[‡] Based on $\sigma(\theta)$ and DWBA analysis done by 1969Me20. Except for g.s. and 1790, all the other levels are made tentative by evaluators because of their unresolved multiplet structure. The g.s. and 1790 levels′ J^{π}′s were also deduced by 1987Nu01 (VAP).