

$^{18}\text{O}(^6\text{Li},\text{d})$ 1994Gi01,1982Ta15

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia		NDS 127, 69(2015)	1-Apr-2015

1994Gi01: $^{18}\text{O}(^6\text{Li},\text{d})$, E=32 MeV, measured $\sigma(\theta)$.

1982Ta15: $^{18}\text{O}(^6\text{Li},\text{d})$, E=72 MeV, measured $\sigma(\theta)$.

1977An03: $^{18}\text{O}(^6\text{Li},\text{d})$, E=32 MeV, measured $\sigma(\theta)$.

 ^{22}Ne Levels

E(level) [†]	J ^π [†]	L [†]	S ^{†‡}	E(level) [†]	J ^π [†]	L [†]	S ^{†‡}
0	0 ⁺	0	1.0	9214 12			
1270	2 ⁺	2	0.64	9315 10	(1 ⁻ ,5 ⁻ ,6 ⁺)	(6)	1.5,0.5,1
3360	4 ⁺	4	0.40	9525 @ 10			
4460	2 ⁺	2	0.16	9630 12			
5360	2 ⁺	2	0.04	9717 10	(2 ⁺ ,3 ⁻)	(3)	2.5,1.1
5520	4 ⁺	4	0.04	9837 15	(1 ⁻ ,2 ⁺ ,3 ⁻)	(2)	2.7,1.05
5910	3 ⁻	3	0.03	10053 15	(0 ⁺ ,1 ⁻)	(0)	15,4.7
6120	2 ⁺	2		10132 12	(2 ⁺ ,3 ⁻ ,4 ⁺)	(4)	1.9,1,0.85
6240	0 ⁺	0	0.86	10207 10	1 ⁻	1	3.5
7340	0 ⁺	0	0.75	10293 @ 10			
7630	2 ⁺	2	0.30	10422 10			
7720	3 ⁻	3	0.12	10607 12			
8140	2 ⁺	2	0.16	10697 @ 15			
≈8628 [#]	(2 ⁺ ,3 ⁻)	(2)	7.5,3	10839 22			
≈8763 [#]	3 ⁻	3	0.4	11026 12			
8989 10	4 ⁺	4	2	11139 12	5 to 8	(6)	1,2.5,3,31
9090 10	(3 ⁻)	3	1.5	≈11248 [#]			
9168 10	(5 ⁻ ,6 ⁺)	(5)	1.3,3.7				

[†] E<4500 from 1982Ta15, 4500-8140 from 1977An03, >8200 from 1994Gi01.

[‡] Relative spectroscopic factor S_α from DWBA analysis.

[#] Approximate because the position of the deuteron group was at the end of the detector.

@ Unresolved.