

$^{20}\text{Ne}(\alpha,d)$ 1969Lu07,1986Ka36

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

$J^\pi(^{20}\text{Ne})=0^+$.

1969Lu07: $^{20}\text{Ne}(\alpha,d)$ E=40.1,46,45.4,44.5 MeV. Counter telescope, measured $\sigma(E_d,\theta)$.

1986Ka36: $^{20}\text{Ne}(\alpha,d)$ E=64.4 MeV. Magnetic spectrograph.

Others: 1964Ri03, 1975La11.

 ^{22}Na Levels

E(level) [†]	L [‡]	Comments
0.0	2	
580	2	
890	4	
1528 20	4	
1946 30	(0,2)	
2558 40	(1)	
2976 20	2	
3690		
3940	2	
4488 30	(1)	
4733 20	(2)	
5110	1	
5339 30	4	
5620	2	
6274 20	(0)	
6617 30	4	
7042 30	(3)	
7200	(3,4)	
7460 30	5	
7874 30	5	
8091 40	4	
8659 40	5	
9356 40	5	
9990 40	5	
10220		
10990 40	6	
11540	5	E(level): Possible doublet.
11770		
12200	(5)	
12520	(3,4)	
12800	(2)	
13370		
13750		

[†] From 1969Lu07, if ΔE is given. Otherwise from 1986Ka36.

[‡] From 1986Ka36.