

^{21}Mg $Z = 12$ $N = 9$ [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 149.206 (0.001) MeV

Qbeta+ = 13.088 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2	
21MG 1	0.000	5/2+			1	122 MS 3
21MG 2	0.201	1/2+			2	
21MG 3			1.081	1/2-	3	
21MG 4	1.651	3/2+			4	
21MG 5			1.989	3/2-	5	
21MG 6				2.048 (1/2,3/2)-	6	
21MG 7				3.086 (3/2+,5/2+)	7	(2)
S-p	= 3.236 (0.001)-----					
21MG 8				3.244 (3/2+,5/2+)	8	(2)
21MG 9				3.347 (7/2+)	9	4
21MG 10				3.643 (7/2+,9/2+)	10	(4)
21MG 11				3.752 (1/2-,3/2-)	11	1
21MG 12				3.901	12	3,
21MG 13				4.008 (1/2+)	13	(0)
21MG 14				4.228 (5/2+)	14	
21MG 15				4.261	15	
21MG 16				4.538 (3/2+)	16	
21MG 17				4.987	17	
21MG 18				5.158	18	
21MG 19				5.318	19	
21MG 20				5.421	20	
S-2p	= 5.426 (0.001)-----					
21MG 21				5.614	21	
21MG 22				5.757	22	
21MG 23				5.862	23	
21MG 24				6.052	24	
S-p	= 3.236 (0.001)-----					
S-n	= 14.645 (0.002)-----					
S-2p	= 5.426 (0.001)-----					
S-2n	= 37.067 (0.050)-----					
S-alpha	= 8.022 (0.001)-----					
S+p	= 0.000 (0.000)					
S+n	= -19.375 (0.001)					
S+2p	= 0.000 (0.000)					
S+2n	= -32.520 (0.001)					

S+alpha = -9.501 (0.010)

gap p = 0.000 (0.000)

gap n = -4.730 (0.002)

gap 2p = 0.000 (0.000)

gap 2n = 4.547 (0.050)

gap alpha = -1.480 (0.010)