

^{21}Mg $Z = 12$ $N = 9$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 149.206 (0.001) MeV

Qbeta+ = 13.089 (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 = 37.077 (0.060) -----

S-alpha= 8.022 (0.001) -----

S+p = -0.099 (0.001)

S+n = -19.375 (0.001)

S+2p = -1.536 (0.506)

S+2n = -32.520 (0.001)
S+alpha = -9.501 (0.010)

gap p = 3.137 (0.002)
gap n = -4.730 (0.002)
gap 2p = 3.890 (0.506)
gap 2n = 4.557 (0.060)
gap alpha = -1.480 (0.010)