

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

Based on ENSDF from Oct 2022, 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+			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	= 0.002 (0.396)					
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 = 3.237 (0.396)

gap n = -4.730 (0.002)

gap 2p = 3.890 (0.506)

gap 2n = 4.557 (0.060)

gap alpha = -1.480 (0.010)