

^{20}Mg $Z = 12$ $N = 8$ adopted link ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

BE = 134.561 (0.002) MeV

Qbeta+ = 10.627 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2
20MG 1	0.000	0+			1 90.4 MS 7
20MG 2	1.598 2	2+			2
S-p	= 2.741 (0.011)				
S-2p	= 2.418 (0.002)				
20MG 3				3.700 (2+,4+)	3 0.47 MEV 6
20MG 4				5.370	4
20MG 5				0.000	5

S-p = 2.741 (0.011)-----
 S-n = 22.432 (0.060)-----
 S-2p = 2.418 (0.002)-----
 S-2n = 0.000 (0.000)-----
 S-alpha= 8.934 (0.021)-----

S+p = 2.324 (0.609)
 S+n = -14.645 (0.002)
 S+2p = 1.592 (0.506)
 S+2n = -34.020 (0.002)
 S+alpha = -9.157 (0.020)

gap p = 5.064 (0.609)
 gap n = 7.787 (0.060)
 gap 2p = 4.010 (0.506)
 gap 2n = 0.000 (0.000)
 gap alpha = -0.223 (0.028)