

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

Based on ensdf_240402 (Apr 2024), 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)