

^{33}Mg $Z = 12$ $N = 21$ adopted link ENSDF link

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

BE = 252.002 (0.003) MeV

Qbeta- = 13.460 (0.007) MeV

	Energy T	J+	J-	J-other	T1/2
33MG 1			0.000	3/2-	1 90.5 MS 16
33MG 2				0.484 (3/2-)	2
33MG 3				0.546	3
33MG 4				0.705 (1/2+,3/2+,5/2+)	4
33MG 5				1.242 (1/2+,3/2,5/2)	5
S-n	= 2.280 (0.004)	-----			
33MG 6				3.780	6
33MG 7				4.000	7

S-p = 20.966 (0.037)-----

S-n = 2.280 (0.004)-----

S-2p = 40.797 (0.266)-----

S-2n = 8.058 (0.004)-----

S-alpha= 15.862 (0.150)-----

S+p = -15.249 (0.003)

S+n = -4.711 (0.007)

S+2p = -33.932 (0.036)

S+2n = -5.466 (0.270)

S+alpha = -13.959 (0.114)

gap p = 5.717 (0.038)

gap n = -2.431 (0.009)

gap 2p = 6.864 (0.269)

gap 2n = 2.592 (0.270)

gap alpha = 1.903 (0.188)