

$^{33}\text{Mg}$        $Z = 12$        $N = 21$       [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 252.003 ( 0.003) MeV

Qbeta- = 13.460 ( 0.008) 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 = 20.967 ( 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 = -15.252 ( 0.004)

S+n = -4.710 ( 0.029)

S+2p = -33.932 ( 0.036)

S+2n = -5.465 ( 0.270)

S+alpha = -13.959 ( 0.114)

gap p = 5.715 ( 0.038)

gap n = -2.430 ( 0.029)

gap 2p = 6.866 ( 0.269)

gap 2n = 2.593 ( 0.270)

gap alpha = 1.904 ( 0.188)