

^{29}Mg $Z = 12$ $N = 17$ [link to full NNDC output](#)

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

BE = 235.283 (0.011) MeV

Qbeta- = 7.605 (0.011) MeV

	Energy T	J+	J-	J-other	T1/2

29MG 1	0.000	3/2+			1 1.30 S 12
29MG 2				0.055	2 1.27 NS 7
29MG 3				0.590	3
29MG 4				1.095 (1/2-,3/2-)	4
29MG 5				1.431 (5/2-,7/2-)	5 1.4 NS 5
29MG 6				1.638 (3/2+,5/2+)	6
29MG 7				2.266	7
29MG 8				2.500 (3/2 TO 7/2)	8
29MG 9				2.615 (1/2,3/2)	9
29MG 10				3.224	10

29MG 11				3.227 (3/2+,5/2+)	11
S-n	= 3.655 (0.012)				

29MG 12				3.674	12
29MG 13				3.986	13
29MG 14				4.280	14

S-p = 16.903 (0.015)-----
S-n = 3.655 (0.012)-----
S-2p = 32.232 (0.091)-----
S-2n = 12.159 (0.011)-----
S-alpha= 10.992 (0.031)-----

S+p = -12.551 (0.012)
S+n = -6.352 (0.012)
S+2p = -26.924 (0.011)
S+2n = -8.662 (0.012)
S+alpha = -12.336 (0.011)

gap p = 4.352 (0.019)
gap n = -2.697 (0.017)
gap 2p = 5.307 (0.092)
gap 2n = 3.497 (0.016)
gap alpha = -1.344 (0.033)