

^{36}Mg $Z = 12$ $N = 24$ adopted link ENSDF link

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

BE = 260.799 (0.690) MeV

Qbeta- = 14.430 (0.706) MeV

	Energy T	J+	J-	J-other	T1/2
36MG 1	0.000	0+			1 7.6 MS +5-8
36MG 2	0.662	2+			2 41 PS +12-8
36MG 3				2.008 (4+)	3

S-p = 24.724 (0.958)-----
 S-n = 3.331 (0.741)-----
 S-2p = 47.041 (0.858)-----
 S-2n = 4.086 (0.690)-----
 S-alpha= 19.031 (0.859)-----

S+p = -17.860 (0.713)
 S+n = -0.240 (0.982)
 S+2p = -39.128 (0.698)
 S+2n = -2.465 (0.849)
 S+alpha = -17.138 (0.701)

gap p = 6.865 (1.195)
 gap n = 3.091 (1.230)
 gap 2p = 7.913 (1.106)
 gap 2n = 1.621 (1.094)
 gap alpha = 1.893 (1.109)