

^{40}Mg $Z = 12$ $N = 28$ adopted link ENSDF link

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

BE = 263.920 (-0.520) MeV

Qbeta- = 20.742 (0.591) MeV

	Energy T	J+	J-	J-other	T1/2
40MG 1	0.000	0+			1
40MG 2				0.500 (2+)	2

S-p = 27.736 (-0.905)-----
 S-n = 1.294 (-0.726)-----
 S-2p = 0.000 (-0.000)-----
 S-2n = 0.656 (-0.717)-----
 S-alpha= 0.000 (-0.000)-----

S+p = -22.260 (-0.662)
 S+n = 0.495 (-0.716)
 S+2p = -47.300 (-0.597)
 S+2n = 0.000 (-0.000)
 S+alpha = -22.648 (-0.710)

gap p = 5.476 (1.122)
 gap n = 1.789 (1.020)
 gap 2p = 0.000 (0.000)
 gap 2n = 0.000 (0.000)
 gap alpha = 0.000 (0.000)