

^{34}Mg $Z = 12$ $N = 22$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 256.713 (0.007) MeV

Qbeta- = 11.321 (0.007) MeV

	Energy T	J+	J-	J-other	T1/2
34MG 1	0.000	0+			1 20 MS 10
34MG 2	0.660	2+			2 40 PS 8
34MG 3	2.120	(4+)			3

S-p = 22.746 (0.450) -----
 S-n = 4.711 (0.007) -----
 S-2p = 43.241 (0.512) -----
 S-2n = 6.990 (0.008) -----
 S-alpha= 17.382 (0.253) -----

S+p = -15.836 (0.010)
 S+n = -0.755 (0.270)
 S+2p = -35.337 (0.072)
 S+2n = -4.086 (0.690)
 S+alpha = -14.919 (0.105)

gap p = 6.910 (0.450)
 gap n = 3.956 (0.270)
 gap 2p = 7.904 (0.517)
 gap 2n = 2.905 (0.690)
 gap alpha = 2.463 (0.274)