

^{38}P $Z = 15$ $N = 23$ adopted link ENSDF link

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

BE = 309.596 (0.073) MeV

Qbeta- = 12.240 (0.073) MeV

	Energy T	J+	J-	J-other	T1/2
38P 1				0.000 (2-)	1 0.64 S 14
38P 2				0.380 (4-)	2
38P 3				1.120 (1+)	3
38P 4	1.694	1+			4
38P 5	1.874	1+			5

S-p = 15.339 (0.135)-----
 S-n = 3.697 (0.082)-----
 S-2p = 35.150 (0.166)-----
 S-2n = 10.513 (0.074)-----
 S-alpha= 14.049 (0.073)-----

S+p = -15.830 (0.088)
 S+n = -6.224 (0.134)
 S+2p = -27.514 (0.079)
 S+2n = -9.660 (0.111)
 S+alpha = -12.635 (0.094)

gap p = -0.491 (0.161)
 gap n = -2.528 (0.157)
 gap 2p = 7.636 (0.184)
 gap 2n = 0.853 (0.133)
 gap alpha = 1.414 (0.119)