

^{38}P $Z = 15$ $N = 23$ [link to full NNDC output](#)

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

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= 14.046 (0.073)-----

S+p = -15.830 (0.088)

S+n = -6.224 (0.134)

S+2p = -27.514 (0.079)

S+2n = -9.635 (0.170)

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 = 0.878 (0.185)

gap alpha = 1.411 (0.119)