

^{36}P $Z = 15$ $N = 21$ [link to full NNDC output](#)

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

BE = 299.083 (0.013) MeV

Qbeta- = 10.413 (0.013) MeV

	Energy T	J+	J-	J-other	T1/2
36P 1			0.000 4-		1 5.6 S 3
36P 2				0.250	2
36P 3				0.425 (1+)	3
36P 4	1.303	1+			4
36P 5				1.346	5
36P 6				2.000	6
36P 7	2.281	1+			7
36P 8				2.640	8
36P 9				3.060	9
S-n =	3.465 (0.013)	-----			
36P 10				3.630	10

S-p = 13.149 (0.038)-----
 S-n = 3.465 (0.013)-----
 S-2p = 31.829 (0.013)-----
 S-2n = 11.845 (0.013)-----
 S-alpha= 11.577 (0.015)-----

S+p = -13.934 (0.013)
 S+n = -6.816 (0.040)
 S+2p = -24.125 (0.013)
 S+2n = -10.513 (0.074)
 S+alpha = -9.732 (0.035)

gap p = -0.786 (0.040)
 gap n = -3.352 (0.042)
 gap 2p = 7.704 (0.019)
 gap 2n = 1.332 (0.075)
 gap alpha = 1.845 (0.038)