

$^{35}\text{P}$        $Z = 15$        $N = 20$       [link to full NNDC output](#)

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

BE = 295.619 ( 0.002) MeV

Qbeta- = 3.988 ( 0.002) MeV

	Energy T	J+	J-	J-other	T1/2
35P 1	0.000	1/2+			1 47.3 S 8
35P 2	2.387	3/2+			2
35P 3	3.860	5/2+			3
35P 4				4.102 (7/2-)	4
35P 5				4.250	5
35P 6				4.382	6
35P 7				4.494 (7/2-)	7
35P 8	4.664	5/2+			8
35P 9				4.766	9
35P 10				4.869	10
35P 11				4.959	11
35P 12				5.022	12
35P 13				5.088	13
35P 14	5.198	5/2+			14
35P 15				5.488	15
35P 16				5.561	16
35P 17				5.859	17
35P 18				6.220	18
35P 19				6.440	19
35P 20				7.050	20
35P 21				7.440	21
35P 22				7.520	22
35P 23				7.590	23
35P 24				7.920	24
S-n	8.380 ( 0.002)				
35P 25				8.390	25
35P 26				8.600	26
35P 27				9.290	27

S-p = 12.190 ( 0.014)

S-n = 8.380 ( 0.002)

S-2p = 30.938 ( 0.007)

S-2n = 14.663 ( 0.002)

S-alpha= 12.332 ( 0.003)

S+p = -13.095 ( 0.002)

S+n = -3.465 ( 0.013)

S+2p = -21.482 ( 0.002)  
S+2n = -10.281 ( 0.038)  
S+alpha = -7.367 ( 0.003)

gap p = -0.905 ( 0.014)  
gap n = 4.916 ( 0.013)  
gap 2p = 9.457 ( 0.007)  
gap 2n = 4.382 ( 0.038)  
gap alpha = 4.965 ( 0.004)