

^{37}P $Z = 15$ $N = 22$ adopted link ENSDF link

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

BE = 305.900 (0.038) MeV

Qbeta- = 7.900 (0.038) MeV

	Energy T	J+	J-	J-other	T1/2
37P 1				0.000 (1/2+)	1 2.31 S 13
37P 2				0.861 (3/2+)	2
37P 3				1.300 (5/2+)	3
37P 4				2.481 (9/2+)	4
37P 5				2.570 (7/2+)	5
37P 6				3.350 (13/2+)	6
37P 7				3.560 (11/2+)	7
37P 8				4.395	8
37P 9				6.052	9
S-n =	6.816 (0.040)				
37P 10				7.897	10
37P 11				0.000 (1/2+)	11

S-p = 13.849 (0.081)-----
 S-n = 6.816 (0.040)-----
 S-2p = 33.350 (0.039)-----
 S-2n = 10.281 (0.038)-----
 S-alpha= 12.924 (0.039)-----

S+p = -15.154 (0.039)
 S+n = -3.697 (0.082)
 S+2p = -25.382 (0.038)
 S+2n = -9.921 (0.119)
 S+alpha = -10.736 (0.079)

gap p = -1.305 (0.090)
 gap n = 3.119 (0.091)
 gap 2p = 7.968 (0.054)
 gap 2n = 0.360 (0.125)
 gap alpha = 2.187 (0.087)