

^{43}P $Z = 15$ $N = 28$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 330.283 (-0.301) MeV

Qbeta- = 17.244 (0.301) MeV

	Energy T	J+	J-	J-other	T1/2
43P 1	0.000	1/2+			36.5 MS 15
43P 2	0.184	3/2+			2
43P 3	0.845	(5/2+)			3
43P 4	1.009	(5/2+)			4
43P 5	1.095	(5/2+)			5
43P 6	1.774	(5/2+)			6
43P 7	2.035	(5/2+)			7

S-p = 19.063 (-0.421) -----

S-n = 4.115 (-0.316) -----

S-2p = 44.103 (-0.509) -----

S-2n = 6.114 (-0.324) -----

S-alpha= 18.847 (-0.434) -----

S+p = -21.542 (-0.301)

S+n = -2.005 (-0.497)

S+2p = -37.889 (-0.330)

S+2n = -5.237 (-0.579)

S+alpha = -17.045 (-0.355)

gap p = -2.479 (0.517)

gap n = 2.110 (0.589)

gap 2p = 6.214 (0.607)

gap 2n = 0.877 (0.664)

gap alpha = 1.802 (0.560)