

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

Based on ENSDF from Oct 2022, 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+			1    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)