

^{27}P $Z = 15$ $N = 12$ adopted link ENSDF link

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

BE = 206.849 (0.009) MeV

Qbeta+ = 11.725 (0.009) MeV

	Energy T	J+	J-	J-other	T1/2
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27P	1 0.000	1/2+			1 260 MS 80
S-p	= 0.807 (0.009)	-----	-----	-----	-----
27P	2			1.120 (3/2+)	2
27P	3			1.625	3
27P	4			3.453	4

S-p = 0.807 (0.009)-----

S-n = 19.701 (0.208)-----

S-2p = 6.321 (0.009)-----

S-2n = 36.999 (0.400)-----

S-alpha= 9.832 (0.009)-----

S+p = -2.557 (0.160)

S+n = -14.560 (0.009)

S+2p = 0.108 (0.203)

S+2n = -32.436 (0.009)

S+alpha = -8.800 (0.010)

gap p = -1.750 (0.161)

gap n = 5.141 (0.208)

gap 2p = 6.429 (0.203)

gap 2n = 4.563 (0.400)

gap alpha = 1.032 (0.013)