

^{42}P $Z = 15$ $N = 27$ [link to full NNDC output](#)

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

BE = 326.250 (0.314) MeV

Qbeta- = 18.647 (0.314) MeV

	Energy T	J+	J-	J-other	T1/2
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^{42}P	1			0.000	1 48.5 MS 15

S-p = 18.399 (0.638)-----

S-n = 2.082 (0.337)-----

S-2p = 0.000 (0.000)-----

S-2n = 7.019 (0.350)-----

S-alpha= 17.625 (0.489)-----

S+p = -20.494 (0.314)

S+n = -4.401 (0.638)

S+2p = -35.972 (0.343)

S+2n = 0.000 (0.000)

S+alpha = -17.294 (0.377)

gap p = -2.095 (0.711)

gap n = -2.319 (0.721)

gap 2p = 0.000 (0.000)

gap 2n = 0.000 (0.000)

gap alpha = 0.331 (0.618)