

^{40}P $Z = 15$ $N = 25$ [link to full NNDC output](#)

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

BE = 319.232 (0.154) MeV

Qbeta- = 14.724 (0.154) MeV

	Energy T	J+	J-	J-other	T1/2
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^{40}P	1			0.000 (2-,3-)	1 150 MS 8

S-p = 17.724 (0.205)-----

S-n = 3.411 (0.190)-----

S-2p = 38.902 (0.405)-----

S-2n = 9.635 (0.170)-----

S-alpha= 16.490 (0.214)-----

S+p = -18.183 (0.154)

S+n = -4.937 (0.195)

S+2p = -31.295 (0.165)

S+2n = -7.019 (0.350)

S+alpha = -14.695 (0.205)

gap p = -0.460 (0.256)

gap n = -1.526 (0.273)

gap 2p = 7.607 (0.437)

gap 2n = 2.617 (0.389)

gap alpha = 1.795 (0.297)