^{40}P $Z = 15$ $N = 25$ adopted link   ENSDF link

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

BE   =   319.257 (0.084) MeV
Qbeta- =   14.699 (0.084) MeV

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

S-p   = 17.749 (0.159)--
S-n   =   3.436 (0.140)--
S-2p   = 39.197 (0.173)--
S-2n   =   9.660 (0.111)--
S-alpha= 16.514 (0.171)--

S+p   = -18.158 (0.084)
S+n   = -4.912 (0.146)
S+2p   = -31.271 (0.103)
S+2n   = -6.912 (0.127)
S+alpha   = -14.765 (0.120)

gap p   = -0.410 (0.180)
gap n   = -1.476 (0.203)
gap 2p   =   7.926 (0.202)
gap 2n   =   2.749 (0.168)
gap alpha =   1.750 (0.209)