

^{53}Ca $Z = 20$ $N = 33$ [link to full NNDC output](#)

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

BE = 441.521 (0.044) MeV

Qbeta- = 9.519 (0.104) MeV

	Energy T	J+	J-	J-other	T1/2
53CA	1			0.000 (1/2-)	1 461 MS 90
53CA	2			1.753 (5/2-)	2
53CA	3			2.200 (3/2-)	3

S-p = 19.539 (0.055)-----
S-n = 3.193 (0.044)-----
S-2p = 0.000 (0.000)-----
S-2n = 9.198 (0.044)-----
S-alpha= 0.000 (0.000)-----

S+p = -11.792 (0.276)
S+n = -3.844 (0.065)
S+2p = -26.858 (0.167)
S+2n = 0.000 (0.000)
S+alpha = -6.953 (0.260)

gap p = 7.747 (0.282)
gap n = -0.651 (0.079)
gap 2p = 0.000 (0.000)
gap 2n = 0.000 (0.000)
gap alpha = 0.000 (0.000)