

^{53}Ca $Z = 20$ $N = 33$ adopted link ENSDF link

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

BE = 441.521 (0.044) MeV

Qbeta- = 9.382 (0.047) MeV

	Energy T	J+	J-	J-other	T1/2
53CA 1				0.000 (1/2-)	1 461 MS 90
53CA 2				1.746 (5/2-)	2
53CA 3				2.220 (3/2-)	3

S-p = 19.539 (0.055)-----
 S-n = 3.193 (0.044)-----
 S-2p = 37.499 (0.410)-----
 S-2n = 9.198 (0.044)-----
 S-alpha= 14.757 (0.394)-----

S+p = -12.339 (0.046)
 S+n = -3.844 (0.065)
 S+2p = -27.023 (0.052)
 S+2n = -5.405 (0.166)
 S+alpha = -7.439 (0.210)

gap p = 7.200 (0.072)
 gap n = -0.651 (0.079)
 gap 2p = 10.476 (0.414)
 gap 2n = 3.793 (0.172)
 gap alpha = 7.318 (0.447)