

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

Based on ensdf\_240402 (Apr 2024), 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)