

^{52}Ca $Z = 20$ $N = 32$ adopted link ENSDF link

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

BE = 438.328 (0.001) MeV

Qbeta- = 6.257 (0.003) MeV

	Energy T	J+	J-	J-other	T1/2
52CA 1	0.000	0+			1 4.6 S 3
52CA 2	2.563	2+			2
52CA 3				3.150	3
52CA 4				3.990 (3-)	4
52CA 5				5.190	5
52CA 6				5.550	6
52CA 7				5.760	7
52CA 8				5.950	8
52CA 9				5.951	9
S-n	= 6.005 (0.001)				
52CA 10				6.700	10
52CA 11				6.940	11
52CA 12				7.160	12
52CA 13				7.410	13
52CA 14				7.570	14
52CA 15				8.090	15
52CA 16				8.290	16
52CA 17				8.370	17
52CA 18				8.580	18
52CA 19				8.710	19
52CA 20				8.950	20
52CA 21				9.130	21
52CA 22				9.390	22
52CA 23				9.630	23

S-p = 19.040 (0.013)

S-n = 6.005 (0.001)

S-2p = 35.628 (0.500)

S-2n = 10.820 (0.002)

S-alpha = 14.336 (0.017)

S+p = -11.792 (0.018)

S+n = -3.193 (0.044)

S+2p = -26.055 (0.016)

S+2n = -7.037 (0.048)

S+alpha = -7.582 (0.100)

gap p = 7.248 (0.022)
gap n = 2.812 (0.044)
gap 2p = 9.572 (0.500)
gap 2n = 3.783 (0.048)
gap alpha = 6.755 (0.102)