

^{37}Ca $Z = 20$ $N = 17$ adopted link ENSDF link

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

BE = 296.128 (0.001) MeV

Qbeta+ = 11.664 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
37CA 1				0.000 (3/2+)	1 181.1 MS 10
37CA 2				1.606 (1/2+)	2
37CA 3				2.939 (3/2+,5/2+)	3
S-p	= 3.008 (0.001)	-----			
37CA 4				3.104 (7/2-)	4
37CA 5				3.354 (3/2+,5/2-)	5
37CA 6				3.530 (3/2+,5/2-)	6
37CA 7				3.612 (3/2+,5/2-)	7
37CA 8				3.842 (3/2+)	8
37CA 9				0.000	9

S-p = 3.008 (0.001)-----

S-n = 14.756 (0.040)-----

S-2p = 4.667 (0.001)-----

S-2n = 34.468 (0.210)-----

S-alpha= 6.177 (0.001)-----

S+p = 1.590 (0.190)

S+n = -16.994 (0.001)

S+2p = 1.054 (0.195)

S+2n = -30.289 (0.001)

S+alpha = -4.986 (0.028)

gap p = 4.598 (0.190)

gap n = -2.237 (0.040)

gap 2p = 5.721 (0.195)

gap 2n = 4.179 (0.210)

gap alpha = 1.190 (0.028)