

^{58}Ca $Z = 20$ $N = 38$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 454.024 (-0.522) MeV

Qbeta- = 13.945 (0.556) MeV

	Energy T	J+	J-	J-other	T1/2
58CA 1	0.000	0+			1
58CA 2	1.115	(2+)			2

S-p = 22.933 (-0.816) -----
 S-n = 3.040 (-0.657) -----
 S-2p = 0.000 (-0.000) -----
 S-2n = 4.167 (-0.579) -----
 S-alpha= 16.516 (-0.964) -----

S+p = -16.584 (-0.579)
 S+n = -0.748 (-0.788)
 S+2p = -35.143 (-0.575)
 S+2n = -3.596 (-0.889)
 S+alpha = -13.060 (-0.641)

gap p = 6.349 (1.000)
 gap n = 2.292 (1.026)
 gap 2p = 0.000 (0.000)
 gap 2n = 0.571 (1.061)
 gap alpha = 3.456 (1.157)