

^{59}Zn $Z = 30$ $N = 29$ adopted link ENSDF link

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

BE = 499.953 (0.001) MeV

Qbeta+ = 9.143 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
59ZN 1			0.000	3/2-	1 178.6 MS 18
59ZN 2				0.540	2
59ZN 3				0.894 (5/2-)	3
59ZN 4				1.320	4
59ZN 5				1.397 (7/2-)	5
59ZN 6				1.814 (7/2-)	6
59ZN 7				2.333 (9/2-)	7
59ZN 8				2.609 (9/2-)	8
S-p =	2.837 (0.001)	-----			
59ZN 9				3.386 (13/2-)	9

S-p = 2.837 (0.001)-----

S-n = 12.988 (0.050)-----

S-2p = 5.710 (0.001)-----

S-2n = 30.786 (0.228)-----

S-alpha= 4.305 (0.001)-----

S+p = 0.333 (0.180)

S+n = -15.030 (0.001)

S+2p = -1.162 (0.305)

S+2n = -25.276 (0.016)

S+alpha = -2.131 (0.037)

gap p = 3.170 (0.180)

gap n = -2.042 (0.050)

gap 2p = 4.548 (0.305)

gap 2n = 5.510 (0.229)

gap alpha = 2.174 (0.037)