

^{78}Zn $Z = 30$ $N = 48$ adopted link ENSDF link

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

BE = 663.576 (0.002) MeV

Qbeta- = 6.221 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2
78ZN 1	0.000	0+			1 1.47 S 15
78ZN 2	0.730	2+			2 18 PS 4
78ZN 3				1.621 (4+)	3
78ZN 4				2.529 (6+)	4
78ZN 5				2.674 (8+)	5 319 NS 9
78ZN 6				3.106 (4+:8+)	6

S-p = 15.909 (0.002)-----

S-n = 6.765 (0.003)-----

S-2p = 29.888 (0.304)-----

S-2n = 11.323 (0.002)-----

S-alpha= 11.238 (0.222)-----

S+p = -12.354 (0.002)

S+n = -4.020 (0.003)

S+2p = -26.630 (0.003)

S+2n = -10.308 (0.003)

S+alpha = -10.357 (0.003)

gap p = 3.555 (0.003)

gap n = 2.745 (0.004)

gap 2p = 3.258 (0.304)

gap 2n = 1.015 (0.004)

gap alpha = 0.881 (0.222)