

^{78}Zn $Z = 30$ $N = 48$ [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 663.576 (0.002) MeV

Qbeta- = 6.223 (0.003) 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 = 0.000 (0.000)-----
 S-n = 6.765 (0.003)-----
 S-2p = 0.000 (0.000)-----
 S-2n = 11.323 (0.002)-----
 S-alpha= 0.000 (0.000)-----

S+p = -12.353 (0.003)
 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 = 0.000 (0.000)
 gap n = 2.745 (0.004)
 gap 2p = 0.000 (0.000)
 gap 2n = 1.015 (0.004)
 gap alpha = 0.000 (0.000)