

^{78}Cu $Z = 29$ $N = 49$ adopted link ENSDF link

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

BE = 651.664 (0.013) MeV

Qbeta- = 12.694 (0.013) MeV

	Energy T	J+	J-	J-other	T1/2
78CU 1				0.000 (4-,5-,6-)	1 335 MS 11

S-p = 14.720 (0.385)-----
 S-n = 3.998 (0.013)-----
 S-2p = 33.708 (0.532)-----
 S-2n = 9.951 (0.013)-----
 S-alpha= 13.683 (0.370)-----

S+p = -15.932 (0.014)
 S+n = -5.690 (0.106)
 S+2p = -29.012 (0.014)
 S+2n = -8.016 (0.320)
 S+alpha = -10.566 (0.014)

gap p = -1.211 (0.385)
 gap n = -1.692 (0.107)
 gap 2p = 4.696 (0.532)
 gap 2n = 1.935 (0.321)
 gap alpha = 3.116 (0.370)