

^{82}Cu $Z = 29$ $N = 53$ adopted link ENSDF link

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

BE = 664.856 (-0.410) MeV

Qbeta- = 16.618 (0.410) MeV

	Energy T	J+	J-	J-other	T1/2
82CU 1				0.000	1 33 MS +7-6

S-p = 16.856 (-0.836)-----
 S-n = 1.871 (-0.523)-----
 S-2p = 0.000 (-0.000)-----
 S-2n = 5.176 (-0.520)-----
 S-alpha= 12.794 (-0.813)-----

S+p = -17.902 (-0.528)
 S+n = -2.796 (-0.645)
 S+2p = -32.976 (-0.411)
 S+2n = -4.204 (-0.650)
 S+alpha = -10.500 (-0.594)

gap p = -1.046 (0.989)
 gap n = -0.925 (0.830)
 gap 2p = 0.000 (0.000)
 gap 2n = 0.972 (0.832)
 gap alpha = 2.294 (1.007)