

^{82}Zn $Z = 30$ $N = 52$ adopted link ENSDF link

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

BE = 680.692 (0.003) MeV

Qbeta- = 10.617 (0.004) MeV

	Energy T	J+	J-	J-other	T1/2
82ZN 1	0.000	0+			1 166 MS 11
82ZN 2				0.618 (2+)	2
82ZN 3				0.987 (0+)	3
82ZN 4				1.310 (4+)	4

S-p = 17.707 (0.324)-----
 S-n = 4.186 (0.006)-----
 S-2p = 33.652 (0.560)-----
 S-2n = 6.808 (0.004)-----
 S-alpha= 9.832 (0.390)-----

S+p = -14.232 (0.004)
 S+n = -2.066 (0.332)
 S+2p = -30.412 (0.004)
 S+2n = -5.672 (0.420)
 S+alpha = -9.511 (0.438)

gap p = 3.475 (0.324)
 gap n = 2.119 (0.332)
 gap 2p = 3.239 (0.560)
 gap 2n = 1.136 (0.420)
 gap alpha = 0.321 (0.586)