

^{122}Ce $Z = 58$ $N = 64$ adopted link ENSDF link

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

BE = 997.228 (-0.366) MeV

Qbeta+ = 6.660 (0.440) MeV

	Energy T	J+	J-	J-other	T1/2

S-alpha=	-1.854	(-0.435)			
122CE 1	0.000	0+			1
122CE 2				0.136 (2+)	2
122CE 3				0.435 (4+)	3
122CE 4				0.872 (6+)	4
122CE 5				1.429 (8+)	5
122CE 6				2.087 (10+)	6
122CE 7				2.831 (12+)	7
S-p =	2.971	(-0.439)			
S-2p =	3.593	(-0.473)			
122CE 8				3.643 (14+)	8

S-p = 2.971 (-0.439)-----
 S-n = 13.256 (-0.515)-----
 S-2p = 3.593 (-0.473)-----
 S-2n = 24.268 (-0.604)-----
 S-alpha= -1.854 (-0.435)-----

S+p = 0.436 (-0.520)
 S+n = -10.511 (-0.441)
 S+2p = -1.468 (-0.616)
 S+2n = -23.168 (-0.442)
 S+alpha = 2.152 (-0.444)

gap p = 3.407 (0.680)
 gap n = 2.745 (0.678)
 gap 2p = 2.125 (0.777)
 gap 2n = 1.100 (0.748)
 gap alpha = 0.298 (0.622)