

^{113}Cs $Z = 55$ $N = 58$ adopted link ENSDF link

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

BE = 920.794 (0.009) MeV

Qbeta+ = 10.439 (0.011) MeV

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

S-alpha=	-3.483	(0.011)	-----		
S-p	= -0.973	(0.012)	-----		
113CS	1			0.000 (3/2+)	1 17.7 US 4
113CS	2			0.074 (5/2+)	2
113CS	3			0.165 (7/2+)	3
113CS	4			0.166 (5/2+)	4
113CS	5			0.549 (11/2+)	5
113CS	6			0.677 (9/2+)	6
113CS	7			1.145 (15/2+)	7
113CS	8			1.287 (13/2+)	8

S-2p	= 1.389	(0.010)	-----		
113CS	9			1.882 (19/2+)	9
113CS	10			2.006 (17/2+)	10

113CS	11			2.696 (23/2+)	11
113CS	12			2.817 (21/2+)	12
113CS	13			3.204 (27/2+)	13
113CS	14			3.475 (25/2+)	14
113CS	15			3.820 (31/2+)	15
113CS	16			4.093 (29/2+)	16
113CS	17			4.565 (35/2+)	17
113CS	18			4.828 (33/2+)	18
113CS	19			5.384 (39/2+)	19
113CS	20			5.622 (37/2+)	20

113CS	21			6.282 (43/2+)	21
113CS	22			6.474 (41/2+)	22
113CS	23			7.240 (47/2+)	23
113CS	24			7.425 (45/2+)	24
113CS	25			8.290 (51/2+)	25
113CS	26			0.000 (3/2+)	26

S-p	= -0.973	(0.012)	-----		
S-n	= 13.370	(0.112)	-----		
S-2p	= 1.389	(0.010)	-----		
S-2n	= 25.024	(0.222)	-----		
S-alpha=	-3.483	(0.011)	-----		

S+p	= -1.430	(0.103)	-----		

S+n = -10.993 (0.085)
S+2p = 0.000 (0.000)
S+2n = -24.046 (0.115)
S+alpha = 3.028 (0.234)

gap p = -2.403 (0.104)
gap n = 2.378 (0.141)
gap 2p = 0.000 (0.000)
gap 2n = 0.979 (0.250)
gap alpha = -0.455 (0.234)