

^{149}Ce $Z = 58$ $N = 91$ adopted link ENSDF link

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

BE = 1223.920 (0.010) MeV

Qbeta- = 4.369 (0.014) MeV

	Energy T	J+	J-	J-other	T1/2
149CE 1				0.000 (3/2-)	1 5.3 S 2
149CE 2				0.055 (5/2-)	2
149CE 3				0.133 (3/2+)	3 0.60 NS 10
149CE 4				0.143 (5/2+)	4
149CE 5				0.148 (7/2-)	5
149CE 6				0.187 (1/2-:7/2-)	6
149CE 7				0.191 (7/2+)	7
149CE 8				0.207 (9/2+)	8
149CE 9				0.245 (3/2-)	9 0.12 NS LE
149CE 10				0.289	10
149CE 11				0.306 (5/2-)	11
149CE 12				0.336 (11/2+)	12
149CE 13				0.347 (13/2+)	13
149CE 14				0.391 (7/2-)	14
149CE 15				0.433	15
149CE 16				0.444	16
149CE 17				0.460	17
149CE 18				0.557	18
149CE 19				0.575	19
149CE 20				0.589 (15/2+)	20
149CE 21				0.589 (17/2+)	21
149CE 22				0.605	22
149CE 23				0.615	23
149CE 24				0.631	24
149CE 25				0.639	25
149CE 26				0.655	26
149CE 27				0.662	27
149CE 28				0.695	28
149CE 29				0.760	29
149CE 30				0.826	30
149CE 31				0.932 (21/2+)	31
149CE 32				0.946 (19/2+)	32
149CE 33				1.362 (25/2+)	33
149CE 34				1.396 (23/2+)	34
S-alpha=	1.579 (0.013)				
149CE 35				1.791	35
149CE 36				1.842	36

149CE	37				1.864	(29/2+)	37
149CE	38				1.869		38
149CE	39				1.924	(27/2+)	39
149CE	40				2.421	(33/2+)	40

149CE	41				2.511	(31/2+)	41
149CE	42				3.016	(37/2+)	42
149CE	43				3.142	(35/2+)	43
149CE	44				3.634	(41/2+)	44

S-p = 11.250 (0.022)-----
 S-n = 4.343 (0.015)-----
 S-2p = 20.984 (0.022)-----
 S-2n = 10.799 (0.013)-----
 S-alpha= 1.579 (0.013)-----

S+p = -8.919 (0.014)
 S+n = -6.248 (0.016)
 S+2p = -18.851 (0.010)
 S+2n = -10.698 (0.020)
 S+alpha = -3.085 (0.011)

gap p = 2.331 (0.026)
 gap n = -1.905 (0.022)
 gap 2p = 2.133 (0.025)
 gap 2n = 0.101 (0.024)
 gap alpha = -1.507 (0.017)