

^{152}Ce $Z = 58$ $N = 94$ adopted link ENSDF link

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

BE = 1240.472 (-0.152) MeV

Qbeta- = 4.750 (0.153) MeV

	Energy T	J+	J-	J-other	T1/2
152CE 1	0.000	0+			1 1.4 S 2
152CE 2	0.081	2+			2 2.5 NS
152CE 3	0.264	4+			3
152CE 4	0.539	6+			4
152CE 5	0.894	8+			5
152CE 6				1.269 (7-)	6
152CE 7	1.321	10+			7
152CE 8				1.565 (9-)	8
152CE 9	1.808	12+			9
152CE 10				1.937 (11-)	10
152CE 11	2.347	14+			11
152CE 12				2.381 (13-)	12
152CE 13	2.925	16+			13

S-p = 12.987 (-0.461)-----
 S-n = 5.854 (-0.153)-----
 S-2p = 23.696 (-0.152)-----
 S-2n = 10.304 (-0.152)-----
 S-alpha= 3.888 (-0.152)-----

S+p = -9.850 (-0.152)
 S+n = -4.030 (-0.216)
 S+2p = -21.150 (-0.152)
 S+2n = -9.392 (-0.216)
 S+alpha = -3.619 (-0.152)

gap p = 3.137 (0.486)
 gap n = 1.824 (0.264)
 gap 2p = 2.546 (0.215)
 gap 2n = 0.912 (0.265)
 gap alpha = 0.269 (0.215)