

^{252}Cf $Z = 98$ $N = 154$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 1881.267 (0.002) MeV

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

S-alpha=	-6.217	(0.003)	-----			

252CF	1	0.000	0+			1 2.647 Y 3
252CF	2	0.046	2+			2 92 PS 6
252CF	3	0.152	4+			3
252CF	4	0.316	6+			4
252CF	5	0.537	8+			5
252CF	6	0.805	(2+)			6
252CF	7	0.809	10+			7
252CF	8				0.831 (2-)	8
252CF	9	0.846	(3+)			9
252CF	10				0.868 (3-)	10

252CF	11	0.900	(4+)			11
252CF	12				0.917 (4-)	12
252CF	13	0.970	(3+)			13

S-p = 6.482 (0.011) -----
S-n = 6.172 (0.005) -----
S-2p = 11.533 (0.011) -----
S-2n = 11.278 (0.003) -----
S-alpha= -6.217 (0.003) -----

S+p = -4.313 (0.003)
S+n = -4.804 (0.005)
S+2p = -9.710 (0.003)
S+2n = -10.836 (0.012)
S+alpha = 7.025 (0.004)

gap p = 2.169 (0.011)
gap n = 1.367 (0.007)
gap 2p = 1.823 (0.011)
gap 2n = 0.442 (0.012)
gap alpha = 0.808 (0.005)