

^{252}Cf $Z = 98$ $N = 154$ [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

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 2.645 Y 8
252CF 2	0.046	2+			2 92 PS 6
252CF 3	0.152	4+			3
252CF 4				0.805 (2+)	4
252CF 5				0.831 (2-)	5
252CF 6				0.846 (3+)	6
252CF 7				0.868 (3-)	7
252CF 8				0.900 (4+)	8
252CF 9				0.917 (4-)	9
252CF 10				0.970 (3+)	10

S-p = 6.482 (0.011)-----
 S-n = 6.172 (0.005)-----
 S-2p = 11.533 (0.010)-----
 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 = 7.027 (0.006)

gap p = 2.169 (0.011)
 gap n = 1.368 (0.007)
 gap 2p = 1.823 (0.011)
 gap 2n = 0.443 (0.012)
 gap alpha = 0.811 (0.007)