

^{250}Cf $Z = 98$ $N = 152$ adopted link ENSDF link

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

BE = 1869.989 (0.002) MeV

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

S-alpha=	-6.129	(0.002)	-----					
250CF 1	0.000	0+					1 13.08 Y 9	
250CF 2	0.043	2+					2 96 PS 10	
250CF 3	0.142	4+					3	
250CF 4	0.296	6+					4	
250CF 5	0.500	8+					5	
250CF 6				0.872	2-		6	
250CF 7				0.906	3-		7	
250CF 8				0.952	4-		8	
250CF 9				1.009	5-		9	
250CF 10	1.032	2+					10 0.94 PS 10	

250CF 11						1.070 (6-)	11	
250CF 12	1.071	3+					12	
250CF 13						1.123 (4+)	13	
250CF 14	1.154	0+					14	
250CF 15				1.176	1-		15	
250CF 16	1.189	2+					16	
250CF 17						1.210 (2)-	17	
250CF 18						1.211 (3)-	18	
250CF 19						1.218	19	
250CF 20	1.245	2+					20	

250CF 21						1.247 (3-)	21	
250CF 22				1.255	4-		22	
250CF 23	1.267	0+					23	
250CF 24						1.272	24	
250CF 25	1.297	2+					25	
250CF 26				1.311	5-		26	
250CF 27						1.313 (5)-	27	
250CF 28						1.335 (3)-	28	
250CF 29				1.378	6-		29	
250CF 30						1.385 1,2+	30	

250CF 31						1.396 (5)-	31	
250CF 32						1.411 (1,2+)	32	
250CF 33						1.427 (3)-	33	
250CF 34						1.458 (6)-	34	
250CF 35						1.478 (5)-	35	
250CF 36						1.500 (6)-	36	
250CF 37						1.530 (7)-	37	

250CF	38				1.541	(5-)	38
250CF	39				1.550	(6-)	39
250CF	40				1.570		40

250CF	41				1.575	(7-)	41
250CF	42				1.600	(6-)	42
250CF	43				1.626		43
250CF	44		1.658			2+	44
250CF	45				1.695	(3+)	45
250CF	46				1.735		46
250CF	47				1.915		47
250CF	48				2.015		48

S-p = 5.965 (0.002)-----
 S-n = 6.624 (0.002)-----
 S-2p = 10.800 (0.003)-----
 S-2n = 12.210 (0.005)-----
 S-alpha= -6.129 (0.002)-----

S+p = -3.948 (0.006)
 S+n = -5.107 (0.004)
 S+2p = -8.932 (0.005)
 S+2n = -11.278 (0.003)
 S+alpha = 7.307 (0.002)

gap p = 2.017 (0.006)
 gap n = 1.517 (0.005)
 gap 2p = 1.869 (0.006)
 gap 2n = 0.932 (0.006)
 gap alpha = 1.179 (0.003)