

^{246}Cm $Z = 96$ $N = 150$ adopted link ENSDF link

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

BE = 1847.822 (0.002) MeV

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

S-alpha=	-5.475 (0.002)	-----			

246CM 1	0.000	0+			1 4706 Y 40
246CM 2	0.043	2+			2 123 PS 2
246CM 3	0.142	4+			3
246CM 4	0.295	6+			4
246CM 5	0.501	8+			5
246CM 6	0.753	(10+)			6
246CM 7			0.842	2-	7
246CM 8			0.876	3-	8
246CM 9			0.923	(4)-	9
246CM 10			0.981	(5)-	10

246CM 11	1.050	(12+)			11
246CM 12			1.051	(6-)	12
246CM 13				1.059	13
246CM 14			1.079	1-	14
246CM 15			1.105	(2)-	15
246CM 16	1.124	2+			16
246CM 17			1.128	3-	17
246CM 18			1.129	(7-)	18
246CM 19	1.165	(3+)			19
246CM 20	1.175	0+			20

246CM 21			1.180	(8-)	21
246CM 22	1.211	2+			22
246CM 23	1.220	(4+)			23
246CM 24				1.221	24
246CM 25			1.250	1-	25
246CM 26	1.289	0+			26
246CM 27			1.300	(3-)	27
246CM 28	1.318	(2)+			28
246CM 29				1.340	29
246CM 30			1.349	1-	30

246CM 31			1.367	(2-)	31
246CM 32	1.379	(4+)			32
246CM 33	1.387	(14+)			33
246CM 34			1.397	(5-)	34
246CM 35	1.452	1+			35
246CM 36	1.478	(2+)			36

246CM	37	1.509	(3+)				37
246CM	38			1.526	3-		38
246CM	39	1.574	(1+)				39
246CM	40			1.594	2-		40

246CM	41	1.601	(3)+				41
246CM	42			1.604	(1-)		42
246CM	43			1.621	3-		43
246CM	44					1.629	44
246CM	45			1.634	(2)-		45
246CM	46			1.659	(1-)		46
246CM	47	1.662	(1+)				47
246CM	48			1.671	(3-)		48
246CM	49	1.681	2+				49
246CM	50	1.712	(3+)				50

246CM	51	1.760	(16+)				51
246CM	52	1.781	2+				52
246CM	53					1.822	53
246CM	54					1.837 (2+,1-)	54
246CM	55	1.857	(3+)				55
246CM	56					1.870 1,2+	56
246CM	57					1.876 1,2+	57
246CM	58	1.887	(1+)				58
246CM	59	1.898	(2+)				59
246CM	60					1.901 2+,3	60

246CM	61					1.906 2+,3,4+	61
246CM	62					1.909 1-,2+	62
246CM	63					1.925 1,2+	63
246CM	64					1.947 2+,3,4+	64
246CM	65					1.965	65
246CM	66					1.983 (1+,2+)	66
246CM	67					2.033 1,2+	67
246CM	68					2.146 1,2+	68
246CM	69	2.165	(18+)				69
246CM	70					2.171 2+,3	70

246CM	71	2.598	(20+)				71
246CM	72	3.056	(22+)				72
246CM	73	3.535	(24+)				73
246CM	74	4.033	(26+)				74

S-p = 6.573 (0.002) -----
S-n = 6.459 (0.002) -----
S-2p = 11.767 (0.003) -----
S-2n = 11.978 (0.002) -----
S-alpha= -5.475 (0.002) -----

S+p = -4.416 (0.005)
S+n = -5.155 (0.004)
S+2p = -9.957 (0.005)
S+2n = -11.367 (0.003)
S+alpha = 6.129 (0.002)

gap p = 2.156 (0.006)
gap n = 1.304 (0.005)
gap 2p = 1.810 (0.006)
gap 2n = 0.611 (0.003)
gap alpha = 0.653 (0.003)