

$^{249}\text{Cm}$        $Z = 96$        $N = 153$       adopted link      ENSDF link

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

BE = 1863.902 ( 0.002) MeV

Qbeta- = 0.905 ( 0.003) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-5.148	( 0.014)	-----		
249CM 1	0.000	1/2+			1 64.15 M 3
249CM 2				0.026 3/2(+)	2
249CM 3				0.048 5/2(+)	3
249CM 4	0.049	7/2+			4 23 US
249CM 5				0.109 (9/2+)	5
249CM 6				0.110 (7/2+)	6
249CM 7				0.148 (9/2+)	7
249CM 8				0.183 (11/2+)	8
249CM 9				0.208 (3/2+)	9
249CM 10	0.242	5/2+			10
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249CM 11				0.245 (11/2+)	11
249CM 12				0.269 (13/2+)	12
249CM 13				0.289 (7/2+)	13
249CM 14				0.299 (13/2+)	14
249CM 15				0.307 1/2,3/2	15
249CM 16				0.350 (9/2+)	16
249CM 17				0.375 (11/2-)	17 19 NS 1
249CM 18				0.430 (15/2+)	18
249CM 19				0.452	19
249CM 20				0.470 (3/2-)	20
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249CM 21			0.494 1/2-		21
249CM 22				0.499 (17/2+)	22
249CM 23				0.502 (7/2-)	23
249CM 24				0.518	24
249CM 25				0.526 (9/2+)	25
249CM 26				0.530 (5/2+)	26
249CM 27				0.533 (15/2-)	27
249CM 28				0.547 (5/2-)	28
249CM 29				0.578 (11/2-)	29
249CM 30				0.578 (7/2+)	30
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249CM 31				0.593 (15/2-)	31
249CM 32				0.604 (11/2+)	32
249CM 33				0.634	33
249CM 34				0.663 (19/2+)	34
249CM 35				0.691	35
249CM 36				0.699 (15/2-)	36

249CM	37				0.718		37
249CM	38				0.740	(21/2+)	38
249CM	39				0.773	(3/2-)	39
249CM	40				0.819	(5/2-)	40
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249CM	41				0.859	(1/2-, 3/2)	41
249CM	42				0.868	(19/2-)	42
249CM	43				0.918	(1/2-)	43
249CM	44				0.942	(23/2+)	44
249CM	45				0.963	(3/2-)	45
249CM	46				0.971	(5/2-)	46
249CM	47				1.011	(1/2, 3/2)	47
249CM	48				1.030	(25/2+)	48
249CM	49				1.030	(9/2+)	49
249CM	50				1.048	(1/2, 3/2, 5/2)	50
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249CM	51				1.090		51
249CM	52				1.153	(1/2, 3/2, 5/2)	52
249CM	53				1.176	(1/2, 3/2, 5/2)	53
249CM	54				1.204	(1/2, 3/2)	54
249CM	55				1.263	(1/2, 3/2)	55
249CM	56				1.265	(27/2+)	56
249CM	57				1.269	(1/2, 3/2)	57
249CM	58				1.314	(1/2, 3/2)	58
249CM	59				1.353	(13/2+)	59
249CM	60				1.360	(29/2+)	60
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249CM	61				1.382		61
249CM	62				1.505	(17/2+)	62
249CM	63				1.528		63
249CM	64				1.550		64
249CM	65				1.560		65
249CM	66				1.570		66
249CM	67				1.628	(31/2+)	67
249CM	68				1.650		68
249CM	69				1.725	(33/2+)	69
249CM	70				1.838	(15/2-)	70
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249CM	71				1.898		71
249CM	72				2.024	(35/2+)	72
249CM	73				2.124	(37/2+)	73
249CM	74				2.451	(39/2+)	74
249CM	75				2.549	(41/2+)	75
249CM	76				2.899	(43/2+)	76
249CM	77				2.994	(45/2+)	77
249CM	78				3.365	(47/2+)	78
249CM	79				3.457	(49/2+)	79
249CM	80				3.843	(51/2+)	80
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249CM	81				3.934	(53/2+)	81

249CM	82				4.338	(55/2+)	82
249CM	83				4.426	(57/2+)	83
S-n	=	4.713	( 0.003)	-----			
249CM	84		4.713				84

S-p	=	7.126	( 0.248)	-----			
S-n	=	4.713	( 0.003)	-----			
S-2p	=	13.131	( 0.247)	-----			
S-2n	=	10.925	( 0.004)	-----			
S-alpha	=	-5.148	( 0.014)	-----			

S+p	=	-5.088	( 0.004)
S+n	=	-5.833	( 0.011)
S+2p	=	-11.194	( 0.005)
S+2n	=	-10.245	( 0.023)
S+alpha	=	6.126	( 0.005)

gap p	=	2.038	( 0.248)
gap n	=	-1.119	( 0.011)
gap 2p	=	1.937	( 0.247)
gap 2n	=	0.680	( 0.023)
gap alpha	=	0.978	( 0.015)