

$^{245}\text{Cm}$        $Z = 96$        $N = 149$       adopted link      ENSDF link

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

BE = 1841.363 ( 0.001) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-5.625 ( 0.002)	-----			
245CM 1	0.000	7/2+			1 8423 Y 74
245CM 2	0.055	9/2+			2 0.10 NS LE
245CM 3	0.122	11/2+			3
245CM 4	0.197	13/2+			4
245CM 5	0.253	5/2+			5
245CM 6	0.296	7/2+			6
245CM 7	0.351	9/2+			7
245CM 8	0.356	1/2+			8 0.29 US 2
245CM 9				0.361 (3/2+)	9
245CM 10			0.388 9/2-		10 0.450 NS 20
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245CM 11	0.417	11/2+			11
245CM 12				0.419 (5/2+)	12
245CM 13				0.431 (7/2+)	13
245CM 14			0.443 11/2-		14
245CM 15	0.498	13/2+			15
245CM 16			0.509 13/2-		16
245CM 17				0.532 (9/2+)	17
245CM 18				0.545	18
245CM 19				0.555 (11/2+)	19
245CM 20				0.588 (15/2-)	20
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245CM 21				0.598 (15/2+)	21
245CM 22				0.634 (3/2)-	22
245CM 23				0.638	23
245CM 24				0.644 (7/2-)	24
245CM 25				0.660	25
245CM 26			0.662 5/2-		26
245CM 27				0.672 (17/2-)	27
245CM 28				0.702 (9/2-)	28
245CM 29				0.722 (7/2+)	29
245CM 30				0.736	30
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245CM 31				0.741 (1/2)+	31
245CM 32				0.769 (3/2+)	32
245CM 33				0.772 (11/2-)	33
245CM 34				0.774 (11/2-)	34
245CM 35				0.785 (9/2+)	35
245CM 36				0.791 (5/2+)	36
245CM 37				0.841	37

245CM	38				0.849		38
245CM	39				0.853	(11/2+)	39
245CM	40				0.856	(7/2+)	40
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245CM	41				0.866	(13/2-)	41
245CM	42				0.891	(9/2+)	42
245CM	43				0.900		43
245CM	44				0.907		44
245CM	45				0.913	(1/2-)	45
245CM	46				0.936		46
245CM	47				0.942		47
245CM	48				0.956	(3/2-,5/2-)	48
245CM	49				0.971		49
245CM	50				0.980		50
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245CM	51				0.995		51
245CM	52				1.009		52
245CM	53				1.017		53
245CM	54				1.042		54
245CM	55				1.050		55
245CM	56				1.055		56
245CM	57				1.083		57
245CM	58				1.102		58
245CM	59				1.259		59
245CM	60				1.271		60
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245CM	61				1.473		61
245CM	62				2.100		62 13.2 NS 18

S-p = 6.164 ( 0.002)-----  
S-n = 5.519 ( 0.002)-----  
S-2p = 11.328 ( 0.003)-----  
S-2n = 12.320 ( 0.002)-----  
S-alpha= -5.625 ( 0.002)-----

S+p = -4.327 ( 0.060)  
S+n = -6.459 ( 0.002)  
S+2p = -9.473 ( 0.014)  
S+2n = -11.614 ( 0.004)  
S+alpha = 6.293 ( 0.002)

gap p = 1.837 ( 0.060)  
gap n = -0.940 ( 0.002)  
gap 2p = 1.855 ( 0.015)  
gap 2n = 0.706 ( 0.004)  
gap alpha = 0.669 ( 0.002)