

$^{244}\text{Pu}$        $Z = 94$        $N = 150$       [link to full NNDC output](#)

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

BE = 1836.055 ( 0.002) MeV

	Energy T	J+	J-	J-other	T1/2
-----					
S-alpha=	-4.666	( 0.004)	-----		
244PU 1	0.000	0+			1 8.13E+7 Y 3
244PU 2	0.044	2+			2 158 PS 11
244PU 3	0.150	4+			3
244PU 4	0.313	6+			4
244PU 5	0.530	8+			5
244PU 6				0.708 (2+,3-)	6
244PU 7	0.798	10+			7
244PU 8			0.957 3-		8
244PU 9				1.015 (2+)	9
244PU 10				1.068 (5-)	10
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244PU 11				1.068	11
244PU 12				1.108 (3-)	12
244PU 13	1.111	12+			13
244PU 14				1.194 (5-)	14
244PU 15			1.202 7-		15
244PU 16				1.210	16
244PU 17			1.211 8-		17 1.75 S 12
244PU 18			1.321 9-		18
244PU 19				1.353	19
244PU 20				1.378	20
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244PU 21			1.390 9-		21
244PU 22				1.434	22
244PU 23			1.442 10-		23
244PU 24	1.467	14+			24
244PU 25			1.575 11-		25
244PU 26				1.613 (3-)	26
244PU 27			1.623 11-		27
244PU 28			1.718 12-		28
244PU 29				1.783	29
244PU 30				1.805	30
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244PU 31				1.847	31
244PU 32	1.859	16+			32
244PU 33			1.873 13-		33
244PU 34				1.896	34
244PU 35			1.899 13-		35
244PU 36			2.038 14-		36
244PU 37			2.214 15-		37

244PU 38				2.215	15-		38	
244PU 39		2.284	18+				39	
244PU 40				2.399	16-		40	
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244PU 41						2.400	41 380 PS 80	
244PU 42				2.568	17-		42	
244PU 43				2.595	17-		43	
244PU 44		2.738	20+				44	
244PU 45				2.800	18-		45	
244PU 46				2.952	19-		46	
244PU 47				3.014	19-		47	
244PU 48		3.211	22+				48	
244PU 49				3.237	20-		49	
244PU 50				3.360	21-		50	
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244PU 51				3.468	21-		51	
244PU 52		3.686	24+				52	
244PU 53				3.706	22-		53	
244PU 54				3.784	23-		54	
244PU 55				3.949	23-		55	
244PU 56		4.145	26+				56	
244PU 57				4.192	24-		57	
244PU 58				4.227	25-		58	
244PU 59		4.606	28+				59	
244PU 60				4.690	27-		60	
-----								
244PU 61		5.086	30+				61	
244PU 62		5.590	32+				62	
S-n	=	6.020	( 0.003)	-----				
244PU 63		6.120	34+				63	
-----								
S-p	=	0.000	( 0.000)	-----				
S-n	=	6.020	( 0.003)	-----				
S-2p	=	0.000	( 0.000)	-----				
S-2n	=	11.054	( 0.003)	-----				
S-alpha	=	-4.666	( 0.004)	-----				
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S+p	=	-5.194	( 0.003)					
S+n	=	-4.699	( 0.014)					
S+2p	=	-11.767	( 0.003)					
S+2n	=	-10.554	( 0.015)					
S+alpha	=	5.162	( 0.003)					
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gap p	=	0.000	( 0.000)					
gap n	=	1.321	( 0.014)					
gap 2p	=	0.000	( 0.000)					
gap 2n	=	0.500	( 0.015)					
gap alpha	=	0.497	( 0.005)					