

^{244}Pu $Z = 94$ $N = 150$ adopted link ENSDF link

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

BE = 1836.055 (0.002) MeV

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

S-alpha=	-4.666	(0.003)	-----					
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

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

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

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	

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	

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	=	7.237	(0.002)	-----				
S-n	=	6.020	(0.003)	-----				
S-2p	=	13.311	(0.242)	-----				
S-2n	=	11.054	(0.003)	-----				
S-alpha	=	-4.666	(0.003)	-----				

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)					

gap p	=	2.043	(0.004)					
gap n	=	1.321	(0.014)					
gap 2p	=	1.544	(0.242)					
gap 2n	=	0.500	(0.015)					
gap alpha	=	0.496	(0.005)					