

^{196}Pt $Z = 78$ $N = 118$ [link to full NNDC output](#)

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

BE = 1553.600 (0.001) MeV

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

S-alpha=	-0.813	(0.002)	-----			
196PT 1	0.000	0+			1 STABLE	
196PT 2	0.356	2+			2 34.15 PS 15	
196PT 3	0.689	2+			3 33.8 PS 7	
196PT 4	0.877	4+			4 3.55 PS 5	
196PT 5	1.015	3+			5	
196PT 6	1.135	0+			6 4.2 PS +17-6	
196PT 7			1.270	5-	7 1.1 NS 2	
196PT 8	1.293	4+			8 2.6 PS +7-4	
196PT 9	1.362	2+			9	
196PT 10			1.374	7-	10 5.2 NS 2	

196PT 11	1.403	0+			11 1.6 PS 3	
196PT 12				1.430	(5-,6+)	12
196PT 13			1.447	3-	13 0.62 NS 17	
196PT 14	1.526	6+			14 0.98 PS +11-5	
196PT 15	1.536	4+			15	
196PT 16	1.604	2+			16	
196PT 17				1.610	(5+)	17
196PT 18	1.677	2+			18	
196PT 19				1.680	(6-)	19
196PT 20				1.755	3-,4+	20

196PT 21				1.795	2+, (1-)	21
196PT 22				1.802	1+, 2+	22
196PT 23				1.805	(3+), 4+	23
196PT 24			1.821	9-	24 1 NS LT	
196PT 25	1.823	0+			25	
196PT 26	1.826	2+			26	
196PT 27	1.832	3+			27	
196PT 28	1.847	2+			28	
196PT 29	1.854	2+			29	
196PT 30				1.883	3+, 4+	30

196PT 31				1.888	1+, 2+	31 1.3 PS +8-6
196PT 32				1.902	(8-)	32
196PT 33				1.902	5, 6, 7	33
196PT 34	1.919	0+			34	
196PT 35				1.932	0+, 1+, 2+	35
196PT 36				1.957	(4), 5+, 6+	36
196PT 37				1.969	1+, (2+)	37

196PT	38				1.985	1+,2+	38
196PT	39				1.988	1+,2+	39
196PT	40				1.992	3,4+	40

196PT	41	1.999	2+				41
196PT	42				2.002	(3+),4+	42
196PT	43	2.006	4+				43
196PT	44	2.007	6+				44 0.77 PS 19
196PT	45	2.014	2+				45
196PT	46	2.030	3+				46
196PT	47	2.047	2+				47
196PT	48				2.055	1+,2+	48
196PT	49				2.067	5-,6	49
196PT	50				2.069	0+,1+,2+	50

196PT	51	2.072	6+				51
196PT	52				2.084	4-,5,6-	52
196PT	53				2.087	3-,4+	53
196PT	54				2.093	(2+)	54
196PT	55				2.116		55
196PT	56				2.124	3-,4+	56
196PT	57	2.127	2+				57
196PT	58				2.161	(9-,10,11-)	58
196PT	59	2.163	2+				59
196PT	60				2.171	(5),6(-)	60

196PT	61				2.174	0+,2+	61
196PT	62				2.184	1+,2+	62
196PT	63	2.199	0+				63
196PT	64				2.204	1+,2+	64
196PT	65	2.230	2+				65
196PT	66				2.236	(5),6-,7-	66
196PT	67				2.245	3+,4,5+	67
196PT	68				2.246	1+,2+	68 0.13 PS 4
196PT	69	2.253	8+				69 0.42 PS +4-5
196PT	70	2.262	2+				70

196PT	71	2.271	2+				71
196PT	72			2.277	9-		72
196PT	73	2.280	4+				73
196PT	74				2.296	(7-,8+)	74
196PT	75				2.309	(2)+	75
196PT	76				2.324	1+,2+	76
196PT	77				2.345	1+,2+	77
196PT	78	2.366	2+				78
196PT	79				2.375	1+,2+	79
196PT	80				2.383	0+,1+,2+	80

196PT	81				2.393		81
196PT	82	2.404	2+				82

196PT 83						2.420	(2,3,4+)	83	68 FS	
196PT 84						2.423	0+,1+,2+	84		
196PT 85						2.423	(1+,2+,3)	85	67 FS	+58-24
196PT 86				2.424	3-			86		
196PT 87				2.430	3-			87	166 FS	GT
196PT 88						2.434	(0,1,2,3,4)	88	17 FS	+12-7
196PT 89						2.438	(1+,2,3,4+)	89	53 FS	+37-17
196PT 90		2.444	2+					90		

196PT 91						2.454	(7-,8+)	91		
196PT 92						2.460	0+,1+,2+	92		
196PT 93						2.468	10-,11-	93	1 NS	LT
196PT 94						2.470	1-,2+	94		
196PT 95						2.488	1+,2+	95		
196PT 96						2.493	0+,1+,2+	96		
196PT 97		2.505	2+					97		
196PT 98						2.528	1+,2+	98		
196PT 99		2.529	2+					99		
196PT 100						2.545		100		

196PT 101						2.554	0+,2+	101		
196PT 102		2.571	1+					102	0.021 PS	4
196PT 103						2.587	0+,2+	103		
196PT 104						2.599	(0,1-,2)	104		
196PT 105						2.603	(1,2,3,4,5)	105	66 FS	GT
196PT 106						2.606	(2,3,4,5)	106	111 FS	GT
196PT 107						2.607	0+,2+,(1+)	107		
196PT 108				2.608	3-			108	31 FS	+12-8
196PT 109						2.615	0+,1+,2+	109		
196PT 110						2.626	(1,2,3)	110	83 FS	

196PT 111		2.630	2+					111		
196PT 112						2.631	(2+,3,4+)	112	24 FS	+14-8
196PT 113				2.638	3-			113		
196PT 114						2.660	0+,1+,2+	114		
196PT 115						2.667	1+,2+	115	0.14 PS	+2-1
196PT 116						2.676		116		
196PT 117						2.692		117		
196PT 118				2.711	3-			118	55 FS	GT
196PT 119						2.723		119		
196PT 120				2.729	11-			120		

196PT 121						2.736	(1+)	121	0.13 PS	5
196PT 122						2.750	(7-,8+)	122	0.46 PS	+8-6
196PT 123						2.757		123		
196PT 124						2.766		124		
196PT 125						2.774		125		
196PT 126						2.779		126		
196PT 127						2.797		127		
196PT 128						2.817		128		

