

^{198}Pt $Z = 78$ $N = 120$ [link to full NNDC output](#)

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

BE = 1567.002 (0.002) MeV

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

S-alpha=	-0.106	(0.003)			

198PT 1	0.000	0+			1 STABLE
198PT 2	0.407	2+			2 22.25 PS 15
198PT 3	0.775	2+			3 27 PS 4
198PT 4	0.915	0+			4
198PT 5	0.985	4+			5 3.3 PS 3
198PT 6				1.140	6
198PT 7				1.248 (3+)	7
198PT 8	1.279	2+			8 9.7 PS 5
198PT 9				1.286 (4+)	9 9.3 PS 22
198PT 10				1.367 (5-)	10

198PT 11				1.445	11
198PT 12	1.481	0+			12
198PT 13				1.502 (7-)	13 3.4 NS 2
198PT 14				1.517	14
198PT 15				1.550 (2+)	15
198PT 16				1.637 (2+)	16
198PT 17				1.657	17
198PT 18				1.672 (1,2)	18
198PT 19			1.680 3-		19
198PT 20				1.714 (6+)	20 0.7 PS LT

198PT 21				1.718 (2+)	21
198PT 22				1.722	22
198PT 23				1.741	23
198PT 24				1.785 (4+)	24
198PT 25				1.815	25
198PT 26				1.827	26
198PT 27				1.849	27
198PT 28	1.869	0+			28
198PT 29				1.892 (4+)	29
198PT 30	1.944	6+			30

198PT 31				1.949 (2+)	31
198PT 32				1.979	32
198PT 33				1.996	33
198PT 34				2.059	34
198PT 35				2.070	35
198PT 36				2.083 (4+)	36
198PT 37				2.089 (9-)	37

198PT 38						2.120	(2+)		38
198PT 39						2.155	(4+)		39
198PT 40						2.160	(8-)		40

198PT 41						2.178	(2+)		41
198PT 42						2.229	(2+)		42
198PT 43						2.252			43
198PT 44						2.289	(4+)		44
198PT 45						2.319	(2+)		45
198PT 46						2.339			46
198PT 47						2.356	(2+)		47
198PT 48						2.387			48
198PT 49						2.411	(2+)		49
198PT 50						2.441	(3-)		50

198PT 51						2.469			51
198PT 52						2.514	(3-)		52
198PT 53						2.527	(8+)		53
198PT 54						2.573			54
198PT 55						2.603	(3-)		55
198PT 56						2.633			56
198PT 57						2.666			57
198PT 58						2.680	(10-)		58
198PT 59						2.726			59
198PT 60		2.747		8+					60

198PT 61						2.782			61
198PT 62						2.796	(3-)		62
198PT 63		2.802		0+					63
198PT 64						2.826	(3-)		64
198PT 65						2.884			65
198PT 66						2.912	(11-)		66
198PT 67						3.005			67
198PT 68						3.017	(12-)		68 36 NS 2
198PT 69						3.170			69
198PT 70						3.197			70

S-p = 8.929 (0.020)-----
S-n = 7.555 (0.002)-----
S-2p = 16.205 (0.040)-----
S-2n = 13.402 (0.002)-----
S-alpha= -0.106 (0.003)-----

S+p = -6.479 (0.002)
S+n = -5.556 (0.003)
S+2p = -14.177 (0.002)
S+2n = -12.838 (0.020)
S+alpha = 0.134 (0.002)

gap p = 2.450 (0.020)
gap n = 1.999 (0.004)
gap 2p = 2.027 (0.040)
gap 2n = 0.564 (0.020)
gap alpha = 0.027 (0.004)