

^{198}Pt $Z = 78$ $N = 120$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

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
198PT 69							3.170	69
198PT 70							3.197	70

S-p = 8.929 (0.020) -----
S-n = 7.556 (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 = 2.000 (0.004)
gap 2p = 2.028 (0.040)
gap 2n = 0.564 (0.020)
gap alpha = 0.028 (0.004)