

^{197}Pt $Z = 78$ $N = 119$ adopted link ENSDF link

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

BE = 1559.446 (0.001) MeV

Qbeta- = 0.720 (0.001) MeV

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

S-alpha=	-0.550	(0.002)	-----		
197PT 1			0.000	1/2-	1 19.8915 H 19
197PT 2			0.053	5/2-	2 16.58 NS 17
197PT 3			0.072	3/2-	3
197PT 4			0.099	3/2-	4
197PT 5			0.131	1/2-	5
197PT 6				0.269 1/2-,3/2-	6
197PT 7				0.273 (5/2-,7/2-)	7
197PT 8			0.299	5/2-	8
197PT 9				0.371 (7/2+,9/2+)	9
197PT 10	0.400	13/2+			10 95.41 M 18

197PT 11				0.426	11
197PT 12			0.457	5/2-	12
197PT 13				0.483 (7/2)-	13
197PT 14			0.502	3/2-	14
197PT 15				0.520 7/2+,9/2+	15
197PT 16			0.529	7/2-	16
197PT 17				0.595 (5/2)-,(1/2-)	17
197PT 18				0.612 (13/2)+	18
197PT 19			0.708	3/2-	19
197PT 20				0.713 5/2-,7/2-	20

197PT 21			0.748	1/2-	21
197PT 22				0.767 (17/2+)	22
197PT 23				0.797	23
197PT 24				0.810	24
197PT 25				0.825 1/2-,3/2-	25
197PT 26			0.854	7/2-	26
197PT 27			0.859	5/2-	27
197PT 28				0.895 1/2-,3/2-	28
197PT 29				0.956	29
197PT 30				0.965	30

197PT 31				0.971 1/2-,3/2-	31
197PT 32				0.978 1/2-,3/2-	32
197PT 33			1.028	7/2-	33
197PT 34				1.055 5/2-,7/2-	34
197PT 35			1.061	3/2-	35
197PT 36				1.081 1/2-,3/2-	36

197PT 37				1.099		37
197PT 38				1.108	1/2,3/2	38
197PT 39				1.124	(5/2-,7/2-)	39
197PT 40				1.135	1/2-,3/2-	40

197PT 41				1.136	(13/2)+	41
197PT 42				1.159	(1/2)-	42
197PT 43				1.175		43
197PT 44				1.212		44
197PT 45		1.248	7/2-			45
197PT 46				1.276	5/2-,7/2-	46
197PT 47		1.292	5/2-			47
197PT 48				1.297	1/2,3/2	48
197PT 49				1.318	5/2-,7/2-	49
197PT 50		1.330	3/2-			50

197PT 51				1.350	1/2-,3/2-	51
197PT 52				1.378	(5/2-)	52
197PT 53		1.397	3/2-			53
197PT 54				1.412		54
197PT 55				1.431	(13/2+)	55
197PT 56				1.464	(1/2-,3/2-)	56
197PT 57				1.507		57
197PT 58				1.525		58
197PT 59				1.548	(13/2+)	59
197PT 60				1.582	(5/2-,7/2-)	60

197PT 61				1.608		61
197PT 62				1.632	(1/2-,3/2-)	62
197PT 63				1.657		63
197PT 64				1.687		64
197PT 65				1.711	(1/2-,3/2-)	65
197PT 66				1.743		66
197PT 67				1.775	(13/2+)	67
197PT 68				1.792	(7/2)-	68
197PT 69				1.797	(9/2+)	69
197PT 70				1.812	(-)	70

197PT 71				1.861	(13/2+)	71
197PT 72				1.908	7/2-,9/2-	72
197PT 73				1.929	(13/2+)	73
197PT 74				1.947		74
197PT 75				1.999		75
197PT 76				2.009		76
197PT 77				2.050		77
197PT 78				2.082	(1/2-,3/2-)	78
197PT 79				2.143		79
197PT 80				2.176		80

197PT 81				2.186		81

S-p = 8.273 (0.038)-----
S-n = 5.847 (0.001)-----
S-2p = 15.486 (0.056)-----
S-2n = 13.769 (0.001)-----
S-alpha= -0.550 (0.002)-----

S+p = -6.450 (0.001)
S+n = -7.556 (0.002)
S+2p = -13.704 (0.001)
S+2n = -13.112 (0.002)
S+alpha = 0.332 (0.001)

gap p = 1.823 (0.038)
gap n = -1.709 (0.002)
gap 2p = 1.782 (0.056)
gap 2n = 0.657 (0.002)
gap alpha = -0.217 (0.003)