

^{183}Pt $Z = 78$ $N = 105$ adopted link ENSDF link

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

BE = 1451.801 (0.014) MeV

Qbeta+ = 4.429 (0.028) MeV

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

S-alpha=	-4.822	(0.021)	-----		
183PT 1			0.000	1/2-	1 6.5 M 10
183PT 2			0.035	7/2-	2 43 S 5
183PT 3			0.085	3/2-	3
183PT 4			0.096	5/2-	4
183PT 5				0.150 (9/2)-	5
183PT 6				0.196 (9/2)+	6 150 NS GT
183PT 7				0.244 (11/2)+	7
183PT 8				0.290 (11/2)-	8
183PT 9			0.299	7/2-	9
183PT 10			0.314	9/2-	10

183PT 11				0.317 (13/2+)	11
183PT 12				0.348 (5/2)-	12
183PT 13				0.373 (7/2)-	13
183PT 14				0.375 (7/2)+	14
183PT 15				0.449 (13/2)-	15
183PT 16				0.472 (7/2)-	16
183PT 17				0.478 (15/2+)	17
183PT 18				0.532 (9/2)+	18
183PT 19				0.536 (9/2-)	19
183PT 20			0.557	3/2-	20

183PT 21				0.569 (1/2)-	21
183PT 22				0.590 (17/2+)	22
183PT 23				0.611	23
183PT 24				0.613 (3/2,5/2)-	24
183PT 25				0.618 (5/2)-	25
183PT 26			0.627	13/2-	26
183PT 27				0.629 (15/2)-	27
183PT 28				0.636 (7/2+,9/2,11/2-	28)
183PT 29				0.650 (3/2)-	29
183PT 30				0.678 (3/2,5/2)-	30

183PT 31				0.693 (3/2,5/2)-	31
183PT 32				0.702 (7/2)-	32
183PT 33				0.731 (GE5/2)+	33
183PT 34				0.762 (5/2)-	34
183PT 35				0.802 (3/2,5/2,7/2)-	35
183PT 36				0.820 (7/2,9/2)-	36

183PT	37			0.825	(5/2,7/2,9/2)-	37
183PT	38			0.825	(17/2)-	38
183PT	39			0.834	(19/2+)	39
183PT	40			0.835	(3/2,5/2)-	40

183PT	41			0.847	(7/2,9/2,11/2)	41-
183PT	42			0.880	(7/2-,9/2-)	42
183PT	43			0.919	(3/2,5/2,7/2)-	43
183PT	44			0.931	-	44
183PT	45			0.932	(7/2,9/2)-	45
183PT	46			0.964	(7/2,9/2,11/2)-	46
183PT	47			0.966	(21/2+)	47
183PT	48			0.979	(7/2)-	48
183PT	49			0.990	(+)	49
183PT	50			0.999	(GE7/2)	50

183PT	51		1.012	17/2-		51
183PT	52			1.025	(5/2,7/2,9/2)-	52
183PT	53			1.035	(7/2,9/2)-	53
183PT	54			1.038	(19/2)-	54
183PT	55			1.058		55
183PT	56			1.072	(5/2,7/2)-	56
183PT	57			1.126		57
183PT	58			1.263	(21/2-)	58
183PT	59			1.280	(23/2+)	59
183PT	60			1.421	(25/2+)	60

183PT	61		1.444	21/2-		61
183PT	62			1.501	(23/2-)	62
183PT	63			1.748	(25/2-)	63
183PT	64			1.791	(27/2+)	64
183PT	65			1.811		65
183PT	66			1.814	(3/2,5/2,7/2)-	66
183PT	67			1.844	-	67
183PT	68			1.848		68
183PT	69			1.884	(3/2,5/2,7/2)+	69
183PT	70			1.892	(LE7/2)	70

183PT	71		1.901	25/2-		71
183PT	72			1.908	(5/2,7/2)-	72
183PT	73			1.913	(5/2-,7/2-)	73
183PT	74			1.915	(3/2,5/2)-	74
183PT	75			1.936	(29/2+)	75
183PT	76			1.939	(7/2)-	76
183PT	77			1.941	(3/2,5/2)-	77
183PT	78			1.949	(5/2-,7/2)	78
183PT	79			1.957	(7/2)-	79
183PT	80			1.969	(3/2,5/2,7/2)-	80

183PT	81			1.971	(7/2)-	81

183PT 82				1.980		82
183PT 83				2.006	(27/2-)	83
183PT 84				2.269	(29/2-)	84
183PT 85				2.341	(31/2+)	85
183PT 86			2.374	29/2-		86
183PT 87				2.503	(33/2+)	87
183PT 88				2.542	(31/2-)	88
183PT 89				2.819	(33/2-)	89
183PT 90			2.872	33/2-		90

183PT 91				2.919	(35/2+)	91
183PT 92				3.109	(35/2-)	92
183PT 93				3.123	(37/2+)	93
183PT 94				3.397	(37/2-)	94
183PT 95			3.423	37/2-		95
183PT 96				3.543	(39/2+)	96
183PT 97				3.698	(39/2-)	97
183PT 98				3.794	(41/2+)	98
S-p	=	4.010	(0.025)	-----		
183PT 99				4.019	(41/2-)	99
183PT 100			4.025	41/2-		100

183PT 101				4.290	(43/2-)	101
183PT 102				4.508	(45/2+)	102
183PT 103				4.950	(47/2-)	103
183PT 104				5.257	(49/2+)	104

S-p = 4.010 (0.025)-----
S-n = 7.676 (0.019)-----
S-2p = 6.801 (0.029)-----
S-2n = 17.534 (0.020)-----
S-alpha= -4.822 (0.021)-----

S+p = -1.834 (0.026)
S+n = -9.631 (0.020)
S+2p = -4.988 (0.020)
S+2n = -17.057 (0.029)
S+alpha = 5.230 (0.019)

gap p = 2.176 (0.037)
gap n = -1.954 (0.028)
gap 2p = 1.813 (0.035)
gap 2n = 0.477 (0.035)
gap alpha = 0.408 (0.028)