

^{181}Pt $Z = 78$ $N = 103$ adopted link ENSDF link

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

BE = 1434.267 (0.014) MeV

Qbeta+ = 5.082 (0.015) MeV

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

S-alpha=	-5.150	(0.020)	-----		
181PT 1			0.000	1/2-	1 52.0 S 22
181PT 2			0.079	3/2-	2
181PT 3			0.094	5/2-	3
181PT 4				0.117 (7/2)-	4 300 NS GT
181PT 5				0.167 (5/2)-	5
181PT 6				0.235 (9/2)-	6
181PT 7				0.256 (7/2)-	7
181PT 8				0.276 (9/2)+	8 99 NS 9
181PT 9			0.278	7/2-	9
181PT 10				0.287 (7/2)+	10

181PT 11			0.301	9/2-	11
181PT 12				0.320 (11/2+)	12
181PT 13				0.346	13
181PT 14				0.380 (11/2-)	14
181PT 15				0.380 (9/2-)	15
181PT 16				0.381 (13/2+)	16
181PT 17				0.525 (7/2)-	17
181PT 18				0.525 (11/2-)	18
181PT 19				0.542 (15/2+)	19
181PT 20				0.543 (13/2-)	20

181PT 21			0.572	11/2-	21
181PT 22				0.598 (5/2)-	22
181PT 23			0.604	13/2-	23
181PT 24				0.643 (17/2+)	24
181PT 25				0.651 (5/2)+	25
181PT 26				0.659 (5/2,7/2)-	26
181PT 27				0.662 (1/2,3/2,5/2)-	27
181PT 28				0.695 (13/2-)	28
181PT 29				0.709 (1/2,3/2,5/2)-	29
181PT 30				0.726 (15/2-)	30

181PT 31				0.729 1/2-,3/2-	31
181PT 32				0.750 (1/2-)	32
181PT 33				0.761 (7/2-,9/2-,11/2	33-)
181PT 34				0.765	34
181PT 35				0.784 (5/2-)	35
181PT 36				0.822 (5/2+,7/2,9/2-)	36

181PT 37				0.835	(5/2)-	37
181PT 38				0.850	(5/2,7/2,9/2)-	38
181PT 39				0.855	(1/2,3/2,5/2)-	39
181PT 40				0.869		40

181PT 41				0.881	5/2-,7/2-	41
181PT 42				0.883	(15/2-)	42
181PT 43				0.886	(7/2)+	43
181PT 44				0.887	(19/2+)	44
181PT 45				0.904	(5/2-,7/2-)	45
181PT 46				0.918		46
181PT 47				0.920	(5/2+,7/2,9/2-)	47
181PT 48				0.922	(5/2-,7/2,9/2-)	48
181PT 49				0.925	(17/2-)	49
181PT 50				0.943	(3/2,5/2,7/2)+	50

181PT 51		0.949	15/2-			51
181PT 52				0.966	+	52
181PT 53				0.967		53
181PT 54		0.990	17/2-			54
181PT 55				1.006		55
181PT 56				1.008	(1/2-,3/2-)	56
181PT 57				1.012	(21/2+)	57
181PT 58				1.050	(5/2+,7/2)	58
181PT 59				1.087		59
181PT 60				1.092	(17/2-)	60

181PT 61				1.141	(19/2-)	61
181PT 62				1.217		62
181PT 63				1.256	(5/2,7/2,9/2)-	63
181PT 64				1.282		64
181PT 65				1.309	(1/2)-	65
181PT 66				1.314	(19/2-)	66
181PT 67				1.322	(23/2+)	67
181PT 68				1.326	(3/2-,5/2-)	68
181PT 69				1.370	(21/2-)	69
181PT 70				1.372	(LE 7/2)	70

181PT 71		1.397	19/2-			71
181PT 72				1.401	(1/2,3/2,5/2-)	72
181PT 73				1.418	(1/2,3/2,5/2-)	73
181PT 74		1.445	21/2-			74
181PT 75				1.456	(1/2-,3/2,5/2-)	75
181PT 76				1.465	(25/2+)	76
181PT 77				1.474	(1/2,3/2,5/2-)	77
181PT 78				1.555	(21/2-)	78
181PT 79				1.615	(23/2-)	79
181PT 80				1.806	(23/2-)	80

181PT 81				1.828	(27/2+)	81

181PT 82				1.870	(25/2-)	82
181PT 83		1.906	23/2-			83
181PT 84		1.959	25/2-			84
181PT 85				1.987	(29/2+)	85
181PT 86				2.015	(1/2-, 3/2, 5/2-)	86
181PT 87				2.053	(3/2-, 5/2-)	87
181PT 88				2.073	(25/2-)	88
181PT 89				2.083	(3/2-, 5/2-)	89
181PT 90				2.085	(5/2)-	90

181PT 91				2.095	(5/2-)	91
181PT 92				2.102	(1/2, 3/2, 5/2)-	92
181PT 93				2.123	(LE 7/2)-	93
181PT 94				2.127	(1/2, 3/2, 5/2)-	94
181PT 95				2.137	(1/2-, 3/2, 5/2-)	95
181PT 96				2.141	(27/2-)	96
181PT 97				2.153	(5/2-, 7/2-)	97
181PT 98				2.241	(LE 7/2)	98
181PT 99				2.349	(27/2-)	99
181PT 100				2.389	(31/2+)	100

181PT 101				2.421	(29/2-)	101
181PT 102		2.465	27/2-			102
181PT 103				2.484		103
181PT 104		2.521	29/2-			104
181PT 105				2.571	(33/2+)	105
181PT 106				2.628		106
181PT 107				2.717	(31/2-)	107
181PT 108				2.923		108
181PT 109				2.994	(35/2+)	109
181PT 110				3.013	(33/2-)	110

181PT 111				3.024	(33/2-)	111
181PT 112				3.067	(31/2-)	112
181PT 113				3.085		113
181PT 114				3.147	(33/2-)	114
181PT 115				3.201		115
181PT 116				3.213	(37/2+)	116
181PT 117				3.331	(35/2-)	117
181PT 118				3.388	(35/2-)	118
181PT 119				3.595	(37/2-)	119
181PT 120				3.649	(39/2+)	120

181PT 121				3.669	(37/2-)	121
S-p =	3.693 (0.026)	-----				
181PT 122				3.751		122
181PT 123				3.781	(37/2-)	123
181PT 124				3.839	(39/2-)	124
181PT 125				3.907	(41/2+)	125
181PT 126				4.074	(41/2-)	126

181PT 127			4.266		127
181PT 128			4.358	(43/2+)	128
181PT 129			4.421	(43/2-)	129
181PT 130			4.644	(45/2+)	130

181PT 131			4.661	(45/2-)	131
181PT 132			5.093		132
181PT 133			5.114	(47/2+)	133
181PT 134			5.334		134
181PT 135			5.416	(49/2+)	135
181PT 136			5.899	(51/2+)	136
S-2p	=	5.939 (0.021)	-----		
181PT 137			6.213	(53/2+)	137
181PT 138			6.698		138
181PT 139			7.038		139
S-p	=	3.693 (0.026)	-----		
S-n	=	8.023 (0.017)	-----		
S-2p	=	5.939 (0.021)	-----		
S-2n	=	18.256 (0.016)	-----		
S-alpha	=	-5.150 (0.020)	-----		
S+p	=	-1.211 (0.023)			
S+n	=	-9.858 (0.019)			
S+2p	=	-4.001 (0.015)			
S+2n	=	-17.534 (0.020)			
S+alpha	=	5.773 (0.019)			
gap p	=	2.481 (0.035)			
gap n	=	-1.835 (0.025)			
gap 2p	=	1.938 (0.026)			
gap 2n	=	0.722 (0.025)			
gap alpha	=	0.623 (0.028)			