

$^{185}\text{Pt}$        $Z = 78$        $N = 107$       adopted link      ENSDF link

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

BE = 1468.859 ( 0.026) MeV

Qbeta+ = 3.647 ( 0.038) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-4.437	( 0.036)	-----		
185PT 1	0.000	9/2+			1 70.9 M 24
185PT 2				0.095 (11/2)+	2
185PT 3			0.103 1/2-		3 33.0 M 8
185PT 4			0.181 3/2-		4 1.68 PS 4
185PT 5			0.201 5/2-		5 728 NS 20
185PT 6				0.212 (13/2)+	6
185PT 7			0.311 7/2-		7
185PT 8				0.373 (15/2)+	8
185PT 9				0.388 (1/2)-	9
185PT 10				0.424 (7/2)-	10
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185PT 11			0.435 3/2-		11
185PT 12				0.450 (7/2)-	12
185PT 13				0.452 (9/2)-	13
185PT 14				0.487 (9/2)-	14
185PT 15			0.488 5/2-		15
185PT 16			0.510 5/2-		16
185PT 17			0.521 3/2-		17
185PT 18				0.531 (17/2)+	18
185PT 19				0.576 (9/2)-	19
185PT 20			0.591 7/2-		20
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185PT 21			0.593 5/2-		21
185PT 22				0.615 (9/2)+	22
185PT 23				0.616 (7/2)-	23
185PT 24			0.645 1/2-		24
185PT 25				0.657 (9/2,11/2)+	25
185PT 26			0.659 3/2-		26
185PT 27				0.682 (11/2)-	27
185PT 28				0.693 (5/2)+	28
185PT 29			0.700 5/2-		29
185PT 30				0.707 (7/2)+	30
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185PT 31			0.724 3/2-		31
185PT 32				0.728 (5/2)-	32
185PT 33				0.744 (7/2,9/2,11/2)-	33
185PT 34				0.746 +	34
185PT 35				0.746 (7/2,9/2)-	35
185PT 36				0.753 (19/2)+	36

185PT	37				0.757	(7/2,9/2)-	37
185PT	38		0.758	5/2-			38
185PT	39				0.768	+	39
185PT	40				0.779	(7/2)-	40
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185PT	41		0.785	5/2-			41
185PT	42				0.794	7/2+,9/2+,11/2	42+
185PT	43				0.801	(9/2)-	43
185PT	44				0.816	(5/2)-	44
185PT	45				0.817	(13/2)-	45
185PT	46				0.847	(7/2)-	46
185PT	47				0.874	(7/2,9/2,11/2)	47-
185PT	48				0.879	(13/2)-	48
185PT	49				0.898	(5/2,7/2,9/2)-	49
185PT	50		0.914	5/2-			50
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185PT	51				0.916	(7/2)-	51
185PT	52				0.938	(21/2)+	52
185PT	53				0.943	(7/2)-	53
185PT	54				0.955	(1/2)-	54
185PT	55				0.955	(9/2,11/2)+	55
185PT	56		0.959	3/2-			56
185PT	57				0.962	(5/2)+	57
185PT	58				0.969	(5/2,7/2,9/2)-	58
185PT	59		0.973	3/2-			59
185PT	60				0.997	(5/2)-	60
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185PT	61				1.016	1/2-,3/2-,5/2-	61
185PT	62		1.022	7/2-			62
185PT	63		1.032	7/2-			63
185PT	64		1.033	5/2-			64
185PT	65				1.040	+	65
185PT	66		1.059	3/2-			66
185PT	67				1.061	(7/2)+	67
185PT	68		1.065	7/2-			68
185PT	69				1.068	(7/2,9/2)-	69
185PT	70				1.083	(3/2,5/2)-	70
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185PT	71				1.090	(15/2)-	71
185PT	72				1.097	-	72
185PT	73				1.116	5/2-,7/2-,9/2-	73
185PT	74				1.124	(3/2,5/2)-	74
185PT	75				1.126	(1/2,3/2)+	75
185PT	76				1.137	(7/2,9/2,11/2)-	76
185PT	77				1.152	(1/2,3/2,5/2-)	77
185PT	78				1.158		78
185PT	79				1.159	(1/2,3/2,5/2-)	79
185PT	80				1.162	+	80
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185PT	81				1.162	(1/2,3/2,5/2-)	81

185PT 82			1.180	1/2-, 3/2-, 5/2-	82
185PT 83			1.187	(3/2, 5/2, 7/2)-	83
185PT 84			1.194		84
185PT 85			1.196	(3/2, 5/2, 7/2)+	85
185PT 86			1.197		86
185PT 87			1.198	1/2-, 3/2-, 5/2-	87
185PT 88			1.209		88
185PT 89			1.210	(1/2, 3/2, 5/2-)	89
185PT 90			1.212	(7/2, 9/2)-	90
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185PT 91			1.215	(23/2)+	91
185PT 92			1.217	(3/2, 5/2, 7/2)+	92
185PT 93			1.224	(5/2, 7/2)-	93
185PT 94			1.227	(3/2)-	94
185PT 95			1.233		95
185PT 96			1.234	(9/2)-	96
185PT 97			1.241		97
185PT 98			1.250	(5/2, 7/2, 9/2)+	98
185PT 99			1.255	-	99
185PT 100			1.256		100
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185PT 101			1.273		101
185PT 102			1.273	(17/2)-	102
185PT 103			1.276		103
185PT 104			1.284	(1/2-, 3/2, 5/2-)	104
185PT 105			1.294		105
185PT 106			1.296	(3/2)+	106
185PT 107			1.314	(17/2)-	107
185PT 108			1.314		108
185PT 109			1.320		109
185PT 110			1.323	(5/2, 7/2)+	110
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185PT 111			1.325	(7/2, 9/2, 11/2)-	111
185PT 112			1.336	(1/2-, 3/2, 5/2-)	112
185PT 113			1.346		113
185PT 114			1.370	(3/2, 5/2, 7/2)+	114
185PT 115			1.384	(1/2, 3/2, 5/2-)	115
185PT 116			1.392	-	116
185PT 117			1.406	(3/2, 5/2)-	117
185PT 118			1.412	7/2-, 9/2-	118
185PT 119			1.417	(25/2)+	119
185PT 120			1.443		120
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185PT 121			1.447		121
185PT 122			1.450	(3/2-, 5/2, 7/2-)	122
185PT 123			1.506		123
185PT 124			1.519	(3/2, 5/2, 7/2)+	124
185PT 125			1.541		125
185PT 126			1.552	(19/2)-	126
185PT 127			1.565	+	127

185PT 128			1.567		128
185PT 129			1.582		129
185PT 130			1.668		130
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185PT 131			1.727		131
185PT 132			1.733	(27/2)+	132
185PT 133			1.758		133
185PT 134			1.776		134
185PT 135			1.786	(21/2)-	135
185PT 136			1.805	(21/2)-	136
185PT 137			1.940	(29/2)+	137
185PT 138			1.962		138
185PT 139			2.049	(23/2)-	139
185PT 140			2.109		140
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185PT 141			2.256	(25/2)-	141
185PT 142			2.271	(31/2)+	142
185PT 143			2.314	(25/2)-	143
185PT 144			2.316	(5/2,7/2)-	144
185PT 145			2.484	(1/2,3/2,5/2-)	145
185PT 146			2.490	(33/2)+	146
185PT 147			2.537		147
185PT 148			2.540		148
185PT 149			2.540		149
185PT 150			2.548	(27/2)-	150
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185PT 151			2.549		151
185PT 152			2.559	(3/2-,5/2,7/2-)	152
185PT 153			2.560	(5/2,7/2)-	153
185PT 154			2.561	(3/2-,5/2,7/2-)	154
185PT 155			2.567	(1/2-,3/2,5/2-	155)
185PT 156			2.578		156
185PT 157			2.578		157
185PT 158			2.581		158
185PT 159			2.587		159
185PT 160			2.588	(3/2-,5/2,7/2-)	160
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185PT 161			2.610		161
185PT 162			2.620	(5/2+,7/2,9/2-)	162
185PT 163			2.626		163
185PT 164			2.649		164
185PT 165			2.674		165
185PT 166			2.726	(29/2)-	166
185PT 167			2.749		167
185PT 168			2.761	(1/2,3/2,5/2-)	168
185PT 169			2.762		169
185PT 170			2.765	(1/2-,3/2,5/2-)	170
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185PT 171			2.766		171
185PT 172			2.766		172

185PT 173			2.793	(1/2-,3/2,5/2-)	173
185PT 174			2.805	(1/2-,3/2,5/2-)	174
185PT 175			2.806	(29/2)-	175
185PT 176			2.832		176
185PT 177			2.833	(35/2)+	177
185PT 178			3.087	(37/2)+	178
185PT 179			3.131	(33/2)-	179
185PT 180			3.287	(33/2)-	180

185PT 181			3.294	(35/2)-	181
185PT 182			3.454	(39/2)+	182
185PT 183			3.511	(37/2)-	183
185PT 184			3.725	(39/2)-	184
185PT 185			3.756	(41/2)+	185
185PT 186			3.872	(37/2)-	186
185PT 187			3.991	(41/2)-	187
185PT 188			4.147	(43/2)+	188
185PT 189			4.263	(43/2)-	189

S-p = 4.366 ( 0.038)

185PT 190			4.501	(45/2)+	190
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185PT 191			4.565	(45/2)-	191
185PT 192			4.902	(47/2)-	192
185PT 193			4.914	(47/2)+	193

S-p = 4.366 ( 0.038)

S-n = 7.427 ( 0.030)

S-2p = 7.602 ( 0.056)

S-2n = 17.057 ( 0.029)

S-alpha= -4.437 ( 0.036)

S+p = -2.316 ( 0.033)

S+n = -9.248 ( 0.034)

S+2p = -6.008 ( 0.029)

S+2n = -16.140 ( 0.035)

S+alpha = 4.637 ( 0.041)

gap p = 2.050 ( 0.051)

gap n = -1.821 ( 0.045)

gap 2p = 1.594 ( 0.063)

gap 2n = 0.918 ( 0.046)

gap alpha = 0.200 ( 0.055)