

$^{191}\text{Pt}$        $Z = 78$        $N = 113$       adopted link      ENSDF link

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

BE = 1516.297 ( 0.004) MeV

Qbeta+ = 1.010 ( 0.004) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-3.096 ( 0.004)				
191PT 1			0.000 3/2-		1 2.83 D 2
191PT 2				0.010 (5/2,7/2)-	2
191PT 3				0.030 1/2-,3/2-	3
191PT 4				0.101 (9/2)-	4 1 US GT
191PT 5				0.149 (13/2)+	5 95 US 5
191PT 6				0.159 1/2-,3/2-,5/2-	6
191PT 7				0.167 (3/2,5/2)-	7
191PT 8				0.173 (11/2)+	8
191PT 9				0.254 (3/2,5/2,7/2)-	9
191PT 10				0.278 (3/2,5/2)-	10
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191PT 11				0.281 (3/2,5/2,7/2)-	11
191PT 12				0.293 (5/2)-	12
191PT 13				0.306 (9/2)+	13
191PT 14				0.400 5/2-,7/2-	14
191PT 15				0.452 (3/2)-	15
191PT 16				0.454 (7/2,9/2)+	16
191PT 17				0.471 (17/2)+	17
191PT 18				0.488 (7/2)-	18
191PT 19				0.529 (15/2)+	19
191PT 20				0.535 (3/2,5/2,7/2)-	20
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191PT 21				0.560 1/2-,3/2-	21
191PT 22				0.575 (1/2,3/2,5/2)-	22
191PT 23				0.594 (1/2 TO 7/2)-	23
191PT 24				0.599 (15/2)+	24
191PT 25				0.613 (1/2 TO 7/2)-	25
191PT 26				0.626 (1/2 TO 7/2)-	26
191PT 27				0.660 (5/2)+	27
191PT 28				0.662 (3/2,5/2,7/2)-	28
191PT 29				0.690 7/2,9/2,11/2	29
191PT 30				0.732 1/2-,3/2-	30
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191PT 31				0.810 (11/2+,13/2+)	31
191PT 32				0.864 (5/2,7/2)+	32
191PT 33				0.885 (1/2-,3/2-)	33
191PT 34				0.919 (17/2+)	34
191PT 35				0.929 (1/2 TO 7/2-)	35
191PT 36				0.951 (21/2)+	36

191PT 37				0.965	(11/2+,13/2+)	37		
191PT 38				0.986		38		
191PT 39				0.989	(19/2)+	39		
191PT 40				0.996	(13/2+,15/2,17/2	40+)		
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191PT 41				1.074	(5/2)+	41		
191PT 42				1.113	(5/2)+	42		
191PT 43				1.159	(19/2)+	43		
191PT 44				1.175	(3/2-,5/2-,7/2-)	44		
191PT 45				1.194	(11/2+,13/2+)	45		
191PT 46				1.290	(1/2-,3/2-,5/2-)	46		
191PT 47				1.301	(1/2-,3/2-,5/2-	47)		
191PT 48				1.303	(17/2,19/2)+	48		
191PT 49				1.310	(15/2+,17/2,19/2	49+)		
191PT 50				1.382	(21/2)-	50		
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191PT 51				1.453	(1/2 TO 7/2+)	51		
191PT 52				1.472		52		
191PT 53				1.546	(25/2)-	53	1.07 NS	6
191PT 54				1.550	(25/2)+	54		
191PT 55				1.591	(19/2,21/2,23/2)	55		
191PT 56				1.863	(27/2)-	56		
191PT 57				1.925		57		
191PT 58				1.939		58		
191PT 59				2.125	(29/2)-	59		
191PT 60				2.152	(29/2)-	60		
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191PT 61				2.234	(29/2)+	61		
191PT 62				2.385	(29/2)-	62		
191PT 63				2.467	(31/2-)	63		
191PT 64				2.581	(33/2-)	64		
191PT 65				2.608	(33/2)-	65		
191PT 66				2.738	(33/2)-	66		
191PT 67				2.825	(33/2)+	67		
191PT 68				2.826	(33/2)-	68		
191PT 69				2.890	(33/2)-	69		
191PT 70				2.941	(33/2)+	70		
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191PT 71				2.957	(33/2)+	71		
191PT 72				3.109	(35/2-)	72		
191PT 73				3.189	(37/2)-	73		
191PT 74				3.272	(37/2)+	74		
191PT 75				3.278	(35/2+,37/2+)	75		
191PT 76				3.299	(37/2+)	76		
191PT 77				3.301	(37/2)-	77		
191PT 78				3.317	(35/2)+	78		
191PT 79				3.433	(37/2)-	79		
191PT 80				3.452	(39/2)+	80		
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191PT 81				3.679	(43/2)+	81		

191PT 82				3.685	(41/2+)	82
191PT 83				3.717	(41/2)-	83
191PT 84				3.780	(39/2-)	84
191PT 85				3.874	(41/2)+	85
191PT 86				4.005	(45/2+)	86
191PT 87				4.330	(47/2)+	87
191PT 88				4.389	(45/2-)	88
191PT 89				4.419	(43/2-)	89
191PT 90				4.516	(49/2+)	90
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191PT 91				4.588	(45/2)+	91
191PT 92				4.630	(43/2,45/2)	92
191PT 93				4.992	(51/2)+	93
191PT 94				5.297	(53/2+)	94
191PT 95				5.366	(49/2)+	95
191PT 96				5.438	(55/2)+	96
191PT 97				5.576	(53/2)+	97
191PT 98				5.883	(59/2)+	98
191PT 99				6.122	(57/2)+	99
191PT 100				6.149	(63/2+)	100
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S-p = 6.234 ( 0.004)-----  
S-n = 6.463 ( 0.004)-----  
S-2p = 11.290 ( 0.004)-----  
S-2n = 15.372 ( 0.011)-----  
S-alpha= -3.096 ( 0.004)-----

S+p = -4.363 ( 0.016)  
S+n = -8.661 ( 0.005)  
S+2p = -9.942 ( 0.016)  
S+2n = -14.924 ( 0.004)  
S+alpha = 2.260 ( 0.024)

gap p = 1.871 ( 0.017)  
gap n = -2.198 ( 0.006)  
gap 2p = 1.348 ( 0.017)  
gap 2n = 0.448 ( 0.012)  
gap alpha = -0.836 ( 0.024)