

$^{199}\text{Pt}$        $Z = 78$        $N = 121$       adopted link      ENSDF link

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

BE = 1572.558 ( 0.002) MeV

Qbeta- = 1.705 ( 0.002) MeV

	Energy T	J+	J-	J-other	T1/2
199PT 1			0.000	5/2-	1 30.80 M 21
199PT 2				0.032 (7/2)-	2
199PT 3				0.036 (3/2)-	3
199PT 4				0.042 1/2-,3/2-	4
199PT 5				0.087 (3/2)-	5
199PT 6			0.132	1/2-	6
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S-alpha=	0.302 ( 0.056)				
199PT 7				0.351 5/2-,7/2-	7
199PT 8			0.384	3/2-	8
199PT 9				0.424 (13/2)+	9 13.6 S 4
199PT 10				0.431	10
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199PT 11			0.475	3/2-	11
199PT 12				0.495 (11/2+,13/2+)	12
199PT 13				0.514 (7/2-)	13
199PT 14				0.581 (7/2-)	14
199PT 15				0.646 (1/2-,3/2-)	15
199PT 16				0.888 1/2,3/2	16
199PT 17				0.910 1/2-,3/2-	17
199PT 18				0.937 1/2-,3/2-	18
199PT 19				0.960 1/2-,3/2-	19
199PT 20				0.979 (5/2-,7/2-)	20
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199PT 21				1.058 (1/2-,3/2-)	21
199PT 22				1.161 (1/2,3/2)	22
199PT 23				1.243 (5/2-,7/2-)	23
199PT 24				1.279	24
199PT 25				1.339	25
199PT 26				1.365 (1/2,3/2)	26
199PT 27				1.403	27
199PT 28				1.442	28
199PT 29				1.499	29
199PT 30				1.527 (5/2-,7/2-)	30
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199PT 31				1.578	31
199PT 32				1.604	32
199PT 33				1.690	33
199PT 34				1.718 (5/2-,7/2-)	34
199PT 35				1.781	35
199PT 36				1.823 (1/2,3/2)	36

199PT 37				1.923	37
199PT 38				2.009	38
199PT 39				2.052	39
199PT 40				2.136	40
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199PT 41				2.164	41
199PT 42				2.205	42
199PT 43				2.225	43
199PT 44				2.270	44
199PT 45				2.297	45
199PT 46				2.356	46
199PT 47				2.392	47
199PT 48				2.440	48
199PT 49				2.480	49
199PT 50				2.550	50
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199PT 51				2.700	51
199PT 52				2.760	52
199PT 53				2.830	53
199PT 54				2.880	54
199PT 55				2.990	55
199PT 56				3.080	56
199PT 57				3.150	57
199PT 58				3.230	58
199PT 59				3.310	59
199PT 60				3.410	60
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199PT 61				3.560	61
199PT 62				3.670	62
199PT 63				3.730	63
199PT 64				3.800	64
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S-p	=	8.952	( 0.198)	-----	
S-n	=	5.556	( 0.003)	-----	
S-2p	=	16.849	( 0.197)	-----	
S-2n	=	13.112	( 0.002)	-----	
S-alpha	=	0.302	( 0.056)	-----	
S+p	=	-7.140	( 0.027)		
S+n	=	-7.282	( 0.020)		
S+2p	=	-14.852	( 0.002)		
S+2n	=	-12.495	( 0.050)		
S+alpha	=	-0.305	( 0.003)		
gap p	=	1.812	( 0.200)		
gap n	=	-1.726	( 0.020)		
gap 2p	=	1.997	( 0.197)		
gap 2n	=	0.617	( 0.050)		
gap alpha	=	-0.003	( 0.056)		