

$^{179}\text{Pt}$        $Z = 78$        $N = 101$       adopted link      ENSDF link

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

BE = 1416.011 ( 0.008) MeV

Qbeta+ = 5.814 ( 0.013) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-5.412	( 0.014)	-----		
179PT 1			0.000	1/2-	1 21.2 S 4
179PT 2			0.071	3/2-	2
179PT 3			0.087	5/2-	3
179PT 4				0.145 (7/2-)	4
179PT 5			0.241	7/2-	5
179PT 6				0.255 (9/2-)	6
179PT 7			0.277	9/2-	7
179PT 8				0.299 (9/2+)	8
179PT 9				0.356 (11/2+)	9
179PT 10				0.391 (11/2-)	10
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179PT 11				0.417 (13/2+)	11
179PT 12				0.548 (13/2-)	12
179PT 13			0.557	13/2-	13
179PT 14				0.582 (15/2+)	14
179PT 15				0.681 (17/2+)	15
179PT 16				0.727 (15/2-)	16
179PT 17			0.910	17/2-	17
179PT 18				0.926 (19/2+)	18
179PT 19				0.927 (17/2-)	19
179PT 20				1.050 (21/2+)	20
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179PT 21				1.140 (19/2-)	21
179PT 22			1.339	21/2-	22
179PT 23				1.358 (23/2+)	23
179PT 24				1.375 (21/2-)	24
179PT 25				1.503 (25/2+)	25
179PT 26				1.619 (23/2-)	26
179PT 27			1.831	25/2-	27
179PT 28				1.865 (27/2+)	28
179PT 29				1.888 (25/2-)	29
179PT 30				2.027 (29/2+)	30
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179PT 31				2.158 (27/2-)	31
179PT 32				2.375 (29/2-)	32
179PT 33				2.434 (31/2+)	33
179PT 34				2.458 (29/2-)	34
179PT 35				2.616 (33/2+)	35
179PT 36				2.747 (31/2-)	36

179PT	37				2.951	(33/2-)	37
179PT	38				3.060	(35/2+)	38
179PT	39				3.099	(33/2-)	39
179PT	40				3.267	(37/2+)	40

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S-p = 3.303 ( 0.020)-----

179PT	41				3.341		41
179PT	42				3.360		42
179PT	43				3.534	(37/2-)	43
179PT	44				3.741	(39/2+)	44
179PT	45				3.816	(37/2-)	45
179PT	46				3.969		46
179PT	47				3.973	(41/2+)	47
179PT	48				4.019		48
179PT	49				4.144	(41/2-)	49
179PT	50				4.477	(43/2+)	50

179PT	51				4.571	(41/2-)	51
179PT	52				4.729	(45/2+)	52
179PT	53				4.800	(45/2-)	53

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S-2p = 4.890 ( 0.017)-----

179PT	54				5.264	(47/2+)	54
179PT	55				5.504	(49/2-)	55
179PT	56				5.526	(49/2+)	56
179PT	57				6.255	(53/2-)	57
179PT	58				6.367	(53/2+)	58
179PT	59				7.253	(57/2+)	59
179PT	60				8.175	(61/2+)	60

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S-p = 3.303 ( 0.020)-----

S-n = 8.342 ( 0.013)-----

S-2p = 4.890 ( 0.017)-----

S-2n = 19.040 ( 0.017)-----

S-alpha= -5.412 ( 0.014)-----

S+p = -0.646 ( 0.009)

S+n = -10.233 ( 0.013)

S+2p = -2.971 ( 0.017)

S+2n = -18.256 ( 0.016)

S+alpha = 6.039 ( 0.011)

gap p = 2.656 ( 0.022)

gap n = -1.891 ( 0.018)

gap 2p = 1.919 ( 0.024)

gap 2n = 0.784 ( 0.023)

gap alpha = 0.626 ( 0.018)