

^{182}Pt $Z = 78$ $N = 104$ adopted link ENSDF link

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

BE = 1444.125 (0.013) MeV

Qbeta+ = 2.883 (0.025) MeV

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

S-alpha=	-4.951	(0.019)	-----		
182PT 1	0.000	0+			1 2.67 M 12
182PT 2	0.155	2+			2 479 PS 30
182PT 3	0.420	4+			3 32.5 PS 20
182PT 4	0.500	0+			4
182PT 5	0.668	2+			5
182PT 6	0.775	6+			6 5.28 PS 35
182PT 7	0.856	2+			7
182PT 8				0.943 (3+)	8
182PT 9				1.034 (4+)	9
182PT 10				1.152 (0+)	10

182PT 11				1.182 (2+)	11
182PT 12	1.206	8+			12 2.26 PS 21
182PT 13	1.240	4+			13
182PT 14				1.306 (5+)	14
182PT 15	1.312	2+			15
182PT 16				1.420 (4+)	16
182PT 17				1.438 (6+)	17
182PT 18				1.474	18
182PT 19				1.502	19
182PT 20				1.522	20

182PT 21				1.543 (2+,3,4+)	21
182PT 22				1.569	22
182PT 23	1.650	6+			23
182PT 24				1.671 (5-)	24
182PT 25				1.685	25
182PT 26	1.698	10+			26 1.09 PS 14
182PT 27				1.731 (7+)	27
182PT 28				1.845 (6-)	28
182PT 29				1.864 (6+)	29
182PT 30				1.889	30

182PT 31				1.925 (7-)	31
182PT 32				1.956 (7-)	32
182PT 33				2.083 (8-)	33
182PT 34	2.118	8+			34
182PT 35				2.150 (8-)	35
182PT 36				2.241 (9-)	36

182PT	37				2.242	(9-)	37	
182PT	38	2.242	12+				38 1.18 PS 7	
182PT	39				2.428	(10-)	39	
182PT	40				2.504	(10-)	40	

182PT	41				2.615	(11-)	41	
182PT	42				2.635	(11-)	42	
182PT	43				2.690	(12+)	43	
182PT	44	2.832	14+				44 1.11 PS 14	
182PT	45				2.860	(12-)	45	
182PT	46				2.932	(12-)	46	
182PT	47				3.047	(13-)	47	
182PT	48				3.096	(13-)	48	
182PT	49				3.103	(13-)	49	
182PT	50				3.168	(14+)	50	

182PT	51				3.290	(12,13,14+)	51	
182PT	52				3.358	(14-)	52	
182PT	53				3.425	(14-)	53	
182PT	54	3.461	16+				54 2.57 PS LT	
182PT	55				3.480	(15-)	55	
182PT	56				3.543	(15-)	56	
182PT	57				3.629	(15-)	57	
182PT	58				3.645	(16+)	58	
182PT	59				3.906	(16-)	59	
182PT	60				3.971	(16-)	60	

182PT	61				3.982	(17-)	61	
S-p	=	3.994	(0.014)	-----				
182PT	62				4.078	(17-)	62	
182PT	63	4.094	18+				63	
182PT	64				4.204	(17-)	64	
182PT	65				4.232	(18+)	65	
182PT	66				4.501	(18-)	66	
182PT	67				4.555	(18-)	67	
182PT	68				4.570	(19-)	68	
182PT	69				4.657	(19-)	69	
182PT	70	4.728	20+				70	

182PT	71				4.825	(19-)	71	
182PT	72				4.919	(20+)	72	
182PT	73				5.140	(20-)	73	
182PT	74				5.167	(20-)	74	
182PT	75				5.208	(21-)	75	
182PT	76				5.279	(21-)	76	
182PT	77	5.403	22+				77	
182PT	78				5.494	(21-)	78	
182PT	79				5.638	(22+)	79	
182PT	80				5.776	(22-)	80	

182PT	81				5.805	(22-)	81
182PT	82				5.894	(23-)	82
182PT	83				5.951	(23-)	83
182PT	84		6.127	24+			84
182PT	85				6.208	(23-)	85
182PT	86				6.381	(24+)	86

S-2p	=	6.390	(0.020)				
182PT	87				6.400	(24-)	87
182PT	88				6.480	(24-)	88
182PT	89				6.625	(25-)	89
182PT	90		6.905	26+			90

182PT	91				6.961	(25-)	91
182PT	92				7.397	(27-)	92

S-p	=	3.994	(0.014)				
S-n	=	9.858	(0.019)				
S-2p	=	6.390	(0.020)				
S-2n	=	17.881	(0.016)				
S-alpha	=	-4.951	(0.019)				

S+p	=	-1.312	(0.016)				
S+n	=	-7.676	(0.019)				
S+2p	=	-4.754	(0.016)				
S+2n	=	-17.307	(0.020)				
S+alpha	=	5.204	(0.018)				

gap p	=	2.682	(0.021)				
gap n	=	2.182	(0.027)				
gap 2p	=	1.636	(0.026)				
gap 2n	=	0.574	(0.026)				
gap alpha	=	0.253	(0.026)				