

^{188}Pt $Z = 78$ $N = 110$ [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 1494.205 (0.005) MeV

Qbeta+ = 0.524 (0.011) MeV

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

S-alpha=	-4.007	(0.005)	-----		
188PT 1	0.000	0+			1 10.16 D 18
188PT 2	0.266	2+			2 66 PS 3
188PT 3	0.606	2+			3
188PT 4	0.671	4+			4 5.1 PS +15-11
188PT 5	0.799	0+			5
188PT 6	0.936	3+			6
188PT 7	1.085	4+			7
188PT 8	1.115	2+			8
188PT 9	1.184	6+			9 1.53 PS 14
188PT 10				1.215 (2)+	10

188PT 11	1.313	2+			11
188PT 12			1.350 3-		12
188PT 13				1.444	13
188PT 14	1.528	2+			14
188PT 15			1.566 5-		15
188PT 16	1.626	1+			16
188PT 17	1.636	6+			17
188PT 18				1.675 (0+,1,2)	18
188PT 19				1.686 (0+,1,2)	19
188PT 20			1.768 7-		20 0.20 NS 2

188PT 21				1.776 (1-)	21
188PT 22	1.782	8+			22 0.97 PS 14
188PT 23				1.811 (2)+	23
188PT 24				1.954 (1+,2)	24
188PT 25				2.171 (0+,1,2)	25
188PT 26			2.180 8-		26
188PT 27				2.210	27
188PT 28	2.247	8+			28
188PT 29				2.296 (1,2+)	29
188PT 30			2.312 9-		30

188PT 31	2.437	10+			31 0.49 PS +28-21
188PT 32				2.447 (1,2+)	32
188PT 33			2.458 9-		33 0.66 NS AP
188PT 34				2.468 (1,2+)	34
188PT 35				2.497	35
188PT 36				2.525	36

188PT	37					2.589			37
188PT	38					2.620	(8+)		38
188PT	39			2.651	10-				39
188PT	40	2.664	10+						40

188PT	41			2.701	10-				41
188PT	42	2.702	10+						42
188PT	43			2.773	11-				43
188PT	44					2.798			44
188PT	45	2.810	12+					0.66 NS 4	45
188PT	46					2.875	(11+)		46
188PT	47					2.910	(2+)		47
188PT	48			2.960	11-				48
188PT	49					3.047			49
188PT	50			3.102	12-				50

188PT	51	3.104	12+						51 0.42 PS LT
188PT	52	3.139	14+						52
188PT	53	3.182	12+						53
188PT	54			3.227	12-				54
188PT	55					3.232			55
188PT	56					3.261			56
188PT	57					3.261	(13+)		57
188PT	58			3.325	13-				58
188PT	59			3.565	13-				59
188PT	60	3.580	14+						60

188PT	61			3.626	14-				61
188PT	62	3.627	16+						62
188PT	63					3.750	(15+)		63
188PT	64			3.867	14-				64
188PT	65			3.947	15-				65
188PT	66	4.008	16+						66
188PT	67			4.174	16-				67
188PT	68			4.238	15-				68
188PT	69	4.244	18+						69
188PT	70					4.280	(17-)		70

188PT	71					4.353	(17+)		71
188PT	72					4.479	(18+)		72
188PT	73					4.550	(16-)		73
188PT	74					4.593	(18-)		74
188PT	75					4.665	(17-)		75
188PT	76					4.765	(18-)		76
188PT	77					4.948	(19-)		77
188PT	78	4.961	20+						78
188PT	79					5.201			79
188PT	80					5.505			80

S-p	=	5.561 (0.028)-----							

188PT	81				5.745	(22+)	81
188PT	82				6.550	(24+)	82
188PT	83				7.368	(26+)	83

S-p = 5.561 (0.028)-----
 S-n = 9.207 (0.025)-----
 S-2p = 9.399 (0.005)-----
 S-2n = 16.099 (0.022)-----
 S-alpha= -4.007 (0.005)-----

S+p = -3.050 (0.021)
 S+n = -6.720 (0.011)
 S+2p = -8.128 (0.017)
 S+2n = -15.628 (0.005)
 S+alpha = 3.385 (0.016)

gap p = 2.510 (0.035)
 gap n = 2.487 (0.027)
 gap 2p = 1.271 (0.018)
 gap 2n = 0.471 (0.023)
 gap alpha = -0.622 (0.017)