

^{188}Pb $Z = 82$ $N = 106$ [link to full NNDC output](#)

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

BE = 1471.071 (0.011) MeV

Qbeta+ = 4.521 (0.032) MeV

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

S-alpha=	-6.109	(0.015)	-----		
188PB 1	0.000	0+			1 25.5 S 1
188PB 2	0.591	0+			2
188PB 3	0.724	2+			3 5.9 PS 24
188PB 4	0.725	0+			4
188PB 5	0.952	2+			5
188PB 6	1.064	4+			6 11.0 PS 7
188PB 7				1.195 (3,4+)	7
188PB 8				1.219 (1-)	8
188PB 9	1.315	4+			9
188PB 10	1.411	4+			10

188PB 11	1.434	6+			11 2.8 PS 4
188PB 12				1.517 (3-)	12
188PB 13	1.786	6+			13
188PB 14	1.788	5+			14
188PB 15	1.867	8+			15 1.7 PS 3
188PB 16				1.956 (5-)	16
188PB 17				2.138 (6+)	17
188PB 18				2.211 (5-)	18
188PB 19	2.217	7+			19
188PB 20	2.299	8+			20

188PB 21	2.366	10+			21
188PB 22				2.448 (6-)	22
188PB 23				2.465	23
188PB 24				2.474 (7-)	24
188PB 25				2.516 (7-)	25
188PB 26			2.577	8-	26 800 NS 20

S-p	= 2.660	(0.013)	-----		
188PB 27				2.663 (8)	27
188PB 28			2.702	11-	28 26 NS 3
188PB 29				2.703 (9+)	29
188PB 30	2.710	12+			30 97 NS 8

188PB 31				2.725 (9-)	31
188PB 32			2.752	9-	32
188PB 33				2.778 (8-)	33
188PB 34	2.833	10+			34
188PB 35				2.854 (9-)	35

188PB 36		2.924	12+						36
188PB 37					2.945	10-			37
188PB 38					3.147	11-			38
188PB 39								3.166 (10-)	39
188PB 40					3.183	11-			40

188PB 41					3.229	12-			41
188PB 42								3.241 (11+)	42
188PB 43								3.242 (11-)	43
188PB 44		3.390	12+						44
188PB 45					3.399	12-			45
188PB 46		3.530	14+						46
188PB 47					3.617	13-			47
188PB 48					3.650	13-			48
188PB 49								3.680 (13-)	49
188PB 50		3.700	14+						50

188PB 51								3.754 (13-)	51
188PB 52								3.803 (13+)	52
188PB 53								3.821 (12)	53
188PB 54								3.844 (13-)	54
S-2p	=	3.854 (0.016)			-----				
188PB 55					3.930	14-			55
188PB 56								3.983 (14+)	56
188PB 57								3.984 (13)	57
188PB 58					4.096	15-			58
188PB 59								4.136 (13)	59
188PB 60		4.163	16+						60

188PB 61					4.212	15-			61
188PB 62		4.245	15+						62
188PB 63								4.250 (15-)	63
188PB 64								4.294 (13)	64
188PB 65								4.390	65
188PB 66								4.409 (14-)	66
188PB 67		4.512	16+						67
188PB 68					4.533	16-			68
188PB 69					4.566	17-			69
188PB 70								4.780 (17)	70

188PB 71								4.783 (19-)	71
188PB 72								4.868 (18+)	72
188PB 73								5.084 (18-)	73
188PB 74								5.128 (20-)	74
188PB 75								5.435 (19)	75
188PB 76								5.725 (21-)	76

S-p	=	2.660 (0.013)			-----				
S-n	=	10.900 (0.012)			-----				

S-2p = 3.854 (0.016)-----
S-2n = 19.276 (0.016)-----
S-alpha= -6.109 (0.015)-----

S+p = 0.462 (0.023)
S+n = -8.100 (0.018)
S+2p = -1.326 (0.017)
S+2n = -18.744 (0.016)
S+alpha = 7.320 (0.015)

gap p = 3.121 (0.027)
gap n = 2.800 (0.021)
gap 2p = 2.528 (0.023)
gap 2n = 0.532 (0.023)
gap alpha = 1.211 (0.021)