

$^{190}\text{Pb}$        $Z = 82$        $N = 108$       [link to full NNDC output](#)

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

BE = 1489.814 ( 0.013) MeV

Qbeta+ = 3.955 ( 0.015) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-5.698	( 0.017)	-----		
190PB 1	0.000	0+			1 71 S 1
190PB 2	0.658	0+			2 0.22 NS LE
190PB 3	0.774	2+			3
190PB 4				1.163 (2+)	4
190PB 5				1.229 (4+)	5
190PB 6				1.521 (4+)	6
190PB 7				1.736 (6+)	7
190PB 8				1.906 (5-)	8
190PB 9				1.937 (6+)	9
190PB 10				2.252 (8+)	10
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190PB 11				2.276 (8+)	11
190PB 12				2.406 (7-)	12
190PB 13				2.463 (8+)	13
190PB 14				2.606 (7-)	14
190PB 15				2.615 (10+)	15 150 NS
190PB 16				2615+X	16 25 US
190PB 17				2.623 (9-)	17
190PB 18				2.658 (11)-	18 7.2 US 6
190PB 19				2.825 (10+)	19
190PB 20				2.973 (9-)	20
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190PB 21				3.055 (11-)	21
S-p	= 3.089	( 0.015)	-----		
190PB 22				3.180 (12-)	22
190PB 23				3.197 (12+)	23
190PB 24				3.238 (12-)	24
190PB 25				3.350 (11-)	25
190PB 26				3.435 (12+)	26
190PB 27				3512.0+X	27
190PB 28				3.601 (13-)	28
190PB 29				4030.0+X	29
190PB 30				4.093 (14-)	30
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190PB 31				4.328 (15-)	31
190PB 32				4507.0+X	32
190PB 33				4.517 (16+)	33 14 NS AP
S-2p	= 4.793	( 0.018)	-----		
190PB 34				4.865 (17+)	34

190PB 35				5.111	(18+)	35
190PB 36				5.330	(19+)	36
190PB 37				Y		37
190PB 38				309.7+Y		38
190PB 39				660.0+Y		39
190PB 40				1048.8+Y		40
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190PB 41				1476.7+Y		41
190PB 42				1942.7+Y		42
190PB 43				2446.7+Y		43
190PB 44				2985.7+Y		44
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S-p	=	3.089	( 0.015)	-----		
S-n	=	10.644	( 0.019)	-----		
S-2p	=	4.793	( 0.018)	-----		
S-2n	=	18.744	( 0.016)	-----		
S-alpha	=	-5.698	( 0.017)	-----		
S+p	=	-0.112	( 0.015)			
S+n	=	-7.886	( 0.039)			
S+2p	=	-2.232	( 0.017)			
S+2n	=	-18.282	( 0.018)			
S+alpha	=	6.987	( 0.018)			
gap p	=	2.978	( 0.021)			
gap n	=	2.758	( 0.044)			
gap 2p	=	2.561	( 0.024)			
gap 2n	=	0.462	( 0.025)			
gap alpha	=	1.289	( 0.025)			