

$^{200}\text{Pb}$        $Z = 82$        $N = 118$       [link to full NNDC output](#)

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

BE = 1576.362 ( 0.011) MeV

Qbeta+ = 0.796 ( 0.012) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-3.150	( 0.011)	-----		
200PB 1	0.000	0+			1 21.5 H 4
200PB 2	1.027	2+			2
200PB 3	1.489	4+			3 0.33 NS 2
200PB 4	1.625	0+			4
200PB 5				1.739 1,2+	5
200PB 6				1.762 (5)+	6
200PB 7	1.867	0+			7
200PB 8			1.909 5-		8 1.35 NS 6
200PB 9			2.154 7-		9 45.1 NS 7
200PB 10				2.183 (9-)	10 448 NS 12
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200PB 11				2183.3+X	11
200PB 12			2.257 6-		12
200PB 13				2.268 (7)-	13
200PB 14				2.355 (6,7)-	14
200PB 15				2493.4+X	15
200PB 16				2.551 (5)-	16
200PB 17				2.699 (6,7,8)-	17
200PB 18				2.960 (10+)	18
200PB 19				3.003 (6,7,8)-	19
200PB 20				3.006 (12+)	20 199 NS 3
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200PB 21				3019.6+X	21
200PB 22				3.181 (11-)	22
200PB 23				3.192	23
200PB 24				3.395 (12-)	24
200PB 25				3.483 (6,7)-	25
200PB 26				3550.0+X	26
200PB 27				3.829 (13+)	27
200PB 28				3.867 (14+)	28
200PB 29				3.873 (13+)	29
200PB 30				3885.2+X	30
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200PB 31				4.068 (14+)	31
200PB 32				4.146 (16+)	32 3.1 NS 3
200PB 33				4.254 (15+)	33
200PB 34				4.343 (16+)	34
200PB 35				4342.5+Y	35
200PB 36				4442.9+Y	36

200PB 37			4566.2+Y		37			
200PB 38			4726.5+Y		38			
200PB 39			4935.1+Y		39			
200PB 40			5.008	(17-)	40			
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200PB 41			5.076	(19-)	41	72 NS	3	
200PB 42			5.148	(18-)	42			
200PB 43			5197.6+Y		43			
200PB 44			5.437	(18)	44			
200PB 45			5517.1+Y		45			
S-p	=	5.481 ( 0.030)	-----					
200PB 46			5.753	(20-)	46			
200PB 47			5.801	(21-)	47			
200PB 48			5891.8+Y		48			
200PB 49			6.076	(21,22,23-)	49			
200PB 50			6.161	(21,22)	50			
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200PB 51			6161.1+Z		51			
200PB 52			6161.1+U		52			
200PB 53			6.279	(19-,20,21-)	53			
200PB 54			6321.2+Y		54			
200PB 55			6373.6+Z		55			
200PB 56			6398.5+U		56			
200PB 57			6613.9+Z		57			
200PB 58			6679.8+U		58			
200PB 59			6.800	(23-)	59			
200PB 60			6801.8+Y		60			
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200PB 61			6897.2+Z		61			
200PB 62			6.948	(25-)	62	58 NS	4	
200PB 63			7014.4+U		63			
200PB 64			7226.8+Z		64			
200PB 65			7334.8+Y		65			
200PB 66			7395.8+U		66			
200PB 67			7606.9+Z		67			
200PB 68			7819.3+U		68			
200PB 69			7916.9+Y		69			
200PB 70			8045.7+Z		70			
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200PB 71			8.170		71			
200PB 72			8.437	(26)	72			
200PB 73			8549.2+Y		73			
200PB 74			8.630		74			

S-p = 5.481 ( 0.030)-----  
S-n = 9.091 ( 0.015)-----  
S-2p = 9.875 ( 0.011)-----  
S-2n = 16.326 ( 0.014)-----  
S-alpha= -3.150 ( 0.011)-----

S+p = -2.454 ( 0.019)  
S+n = -7.091 ( 0.018)  
S+2p = -6.269 ( 0.014)  
S+2n = -15.832 ( 0.012)  
S+alpha = 5.485 ( 0.016)

gap p = 3.026 ( 0.035)  
gap n = 2.000 ( 0.023)  
gap 2p = 3.606 ( 0.018)  
gap 2n = 0.494 ( 0.018)  
gap alpha = 2.335 ( 0.019)