

$^{203}\text{Pb}$        $Z = 82$        $N = 121$       adopted link      ENSDF link

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

BE = 1599.112 ( 0.007) MeV

Qbeta+ = 0.975 ( 0.007) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-2.335	( 0.007)	-----		
203PB 1			0.000	5/2-	1 51.92 H 3
203PB 2			0.126	1/2-	2 75 NS 3
203PB 3			0.187	3/2-	3
203PB 4			0.595	3/2-	4
203PB 5				0.775 (1/2)-	5
203PB 6			0.820	7/2-	6
203PB 7	0.825	13/2+			7 6.21 S 8
203PB 8			0.866	5/2-	8
203PB 9			0.897	9/2-	9
203PB 10				0.909	10
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203PB 11				0.933 (5/2)-	11
203PB 12				0.969	12
203PB 13			1.034	7/2-	13
203PB 14				1.084	14
203PB 15				1.161 (7/2)-	15
203PB 16				1.177	16
203PB 17			1.199	9/2-	17
203PB 18				1.203 (7/2)-	18
203PB 19				1.262	19
203PB 20				1.536 (7/2)-	20
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203PB 21	1.548	9/2+			21
203PB 22			1.560	7/2-	22
203PB 23				1.593 (7/2)-	23
203PB 24	1.641	9/2+			24
203PB 25	1.664	17/2+			25
203PB 26				1.683 (7/2)-	26
203PB 27				1.802 (7/2)+	27
203PB 28				1.895 (9/2+)	28
203PB 29	1.922	21/2+			29 42 NS 3
203PB 30	1.944	19/2+			30
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203PB 31				2.034 (7/2)+	31
203PB 32				2.049 (9/2+)	32
203PB 33				2.079 (11/2)+	33
203PB 34				2.118 (19/2)+	34
203PB 35				2.161 (21/2)+	35
203PB 36				2.250	36

203PB 37						2.372	(7/2)+	37
203PB 38						2.388	(9/2)+	38
203PB 39						2.472	(9/2+,11/2-)	39
203PB 40		2.569	9/2+					40
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203PB 41						2.620	(7/2+,9/2+)	41
203PB 42						2.668	(7/2,9/2)+	42
203PB 43		2.713	9/2+					43
203PB 44						2.749	(11/2-)	44
203PB 45						2.754	(9/2)+	45
203PB 46						2.775	(7/2,9/2-)	46
203PB 47						2.794	(9/2)+	47
203PB 48		2.796	23/2+					48
203PB 49						2.821	(7/2,9/2)+	49
203PB 50						2.871	(7/2,9/2)+	50
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203PB 51						2.923	(21/2-)	51

S-p = 6.095 ( 0.007)-----  
S-n = 6.917 ( 0.008)-----  
S-2p = 11.702 ( 0.007)-----  
S-2n = 15.658 ( 0.015)-----  
S-alpha= -2.335 ( 0.007)-----

S+p = -3.148 ( 0.011)  
S+n = -8.395 ( 0.007)  
S+2p = -7.313 ( 0.012)  
S+2n = -15.126 ( 0.007)  
S+alpha = 5.216 ( 0.009)

gap p = 2.947 ( 0.013)  
gap n = -1.477 ( 0.010)  
gap 2p = 4.389 ( 0.014)  
gap 2n = 0.532 ( 0.017)  
gap alpha = 2.881 ( 0.011)