

$^{203}\text{Po}$        $Z = 84$        $N = 119$       adopted link      ENSDF link

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

BE = 1590.071 ( 0.005) MeV

Qbeta+ = 4.214 ( 0.014) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-5.496 ( 0.008)				
203PO 1			0.000 5/2-		1 36.7 M 5
203PO 2			0.063 3/2-		2
203PO 3				0.133 (1/2-)	3
203PO 4				0.532 (5/2-)	4
203PO 5			0.639 7/2-		5
203PO 6	0.642	13/2+			6 45 S 2
203PO 7				0.686 (5/2-)	7
203PO 8			0.719 7/2-		8
203PO 9			0.803 9/2-		9
203PO 10				1.029 (7/2-)	10
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203PO 11				1.056 (7/2,9/2)-	11
203PO 12				1.113 (7/2-)	12
203PO 13	1.129	9/2+			13
203PO 14				1.154 (7/2-)	14
203PO 15				1.175 (9/2-)	15
203PO 16	1.255	17/2+			16
203PO 17				1.280 (11/2)+	17
203PO 18				1.369 (7/2,9/2)-	18
203PO 19				1.380 (9/2)+	19
203PO 20				1.429 (7/2-)	20
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203PO 21				1.527 (7/2,9/2)+	21
203PO 22				1.528 (7/2,9/2-)	22
203PO 23				1.543 (7/2,9/2)	23
203PO 24				1.624 (9/2,11/2)+	24
203PO 25				1.671 (11/2)+	25
203PO 26				1.698 (7/2,9/2)+	26
203PO 27	1.721	21/2+			27
203PO 28				1.767 (7/2,9/2)	28
203PO 29				1.864 (7/2,9/2)	29
203PO 30				1.976 (9/2)+	30
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203PO 31				2.010 (7/2,9/2)+	31
203PO 32				2.043 (7/2,9/2)+	32
203PO 33	2.057	25/2+			33
203PO 34	2.079	21/2+			34
203PO 35				2.158	35 200 NS GT
203PO 36				2.187 (7/2,9/2)	36

203P0	37						2.276			37
203P0	38		2.406		25/2+					38
203P0	39		2.488		23/2+					39
203P0	40		2.502		23/2+					40
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203P0	41		2.526		27/2+					41
203P0	42						2.530	(7/2,9/2)		42
203P0	43						2.792	25/2-		43 12 NS 2
203P0	44						2.825	29/2-		44 7 NS 2
203P0	45		2.871		29/2+					45
203P0	46						3.017	(29/2+)		46
203P0	47						3.070	(29/2+)		47
203P0	48						3.112			48
203P0	49		3.236		31/2+					49
203P0	50						3.241	(33/2)+		50
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203P0	51						3.382			51
203P0	52						3.430	29/2-		52
203P0	53						3.717			53
S-p	=		3.849	(	0.015)	-----				
203P0	54						3.881	(31/2)-		54
203P0	55						4.358	(35/2)-		55

S-p = 3.849 ( 0.015)-----  
S-n = 7.441 ( 0.010)-----  
S-2p = 6.618 ( 0.015)-----  
S-2n = 16.932 ( 0.007)-----  
S-alpha= -5.496 ( 0.008)-----

S+p = -1.853 ( 0.023)  
S+n = -9.102 ( 0.011)  
S+2p = -4.977 ( 0.007)  
S+2n = -16.353 ( 0.011)  
S+alpha = 6.251 ( 0.007)

gap p = 1.995 ( 0.027)  
gap n = -1.661 ( 0.015)  
gap 2p = 1.641 ( 0.016)  
gap 2n = 0.579 ( 0.013)  
gap alpha = 0.755 ( 0.011)