

^{203}Bi $Z = 83$ $N = 120$ adopted link ENSDF link

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

BE = 1595.068 (0.013) MeV

Qbeta+ = 3.262 (0.014) MeV

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

S-alpha=	-4.110	(0.031)	-----		
203BI 1			0.000	9/2-	1 11.76 H 5
203BI 2			0.883	11/2-	2
203BI 3			0.894	5/2-	3
203BI 4			0.909	7/2-	4
203BI 5			0.933	13/2-	5
203BI 6			1.091	7/2-	6
203BI 7	1.098	1/2+			7 305 MS 5
203BI 8				1.124 (7/2)-	8
203BI 9			1.231	9/2-	9
203BI 10			1.248	15/2-	10

203BI 11			1.249	13/2-	11
203BI 12				1.277 (7/2)-	12
203BI 13				1.299 (7/2,9/2,11/2)-	13
203BI 14	1.313	3/2+			14 410 PS 30
203BI 15			1.353	7/2-	15
203BI 16			1.409	13/2-	16
203BI 17				1.479 (5/2-,7/2-,9/2-	17)
203BI 18				1.483 (13/2)-	18
203BI 19	1.488	5/2+			19
203BI 20				1.495 (15/2-)	20

203BI 21				1.499 (17/2-)	21
203BI 22	1.561	13/2+			22
203BI 23				1.576 (17/2)-	23
203BI 24				1.610 (5/2)-	24
203BI 25			1.673	15/2-	25
203BI 26				1.714 (9/2)-	26
203BI 27	1.893	13/2+			27
203BI 28	1.904	17/2+			28
203BI 29	1.991	21/2+			29 90 NS 7
203BI 30				2.029	30

203BI 31	2.042	25/2+			31 194 NS 30
203BI 32				2.088 (21/2+)	32
203BI 33				2.136 (3/2,5/2)+	33
203BI 34				2.231 (3/2,5/2)+	34
203BI 35				2.287 (3/2,5/2+)	35
203BI 36				2.567 (3/2-,5/2,7/2)	36

203BI	37				2.689	(3/2-,5/2,7/2)	37
203BI	38		2.731	27/2+			38
203BI	39				2.752	(3/2,5/2,7/2)	39
203BI	40		2.855	27/2+			40

S-p	=	2.873	(0.013)	-----		
203BI	41			3.032	29/2-		41 22.4 NS 9
203BI	42				3.131	(3/2,5/2+)	42
203BI	43			3.530	31/2-		43

S-p = 2.873 (0.013)-----
 S-n = 8.845 (0.019)-----
 S-2p = 8.922 (0.019)-----
 S-2n = 16.239 (0.018)-----
 S-alpha= -4.110 (0.031)-----

S+p = -4.105 (0.016)
 S+n = -7.192 (0.016)
 S+2p = -6.038 (0.018)
 S+2n = -15.683 (0.014)
 S+alpha = 5.872 (0.018)

gap p = -1.232 (0.021)
 gap n = 1.653 (0.025)
 gap 2p = 2.884 (0.026)
 gap 2n = 0.555 (0.022)
 gap alpha = 1.763 (0.036)