

^{211}Bi $Z = 83$ $N = 128$ adopted link ENSDF link

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

BE = 1649.972 (0.005) MeV

Qbeta- = 0.573 (0.006) MeV

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

S-alpha=	-6.750	(0.008)	-----		
211BI 1			0.000	9/2-	1 2.14 M 2
211BI 2			0.405	7/2-	2 0.317 NS 11
211BI 3				0.767 (9/2,11/2)-	3
211BI 4				0.793 -	4
211BI 5				0.828 (13/2)-	5
211BI 6			0.832	9/2-	6 90 PS LT
211BI 7				0.951	7
211BI 8				0.987	8
211BI 9				1.014 7/2-,9/2-,11/2-	9
211BI 10				1.050 (-)	10

211BI 11				1.080 -	11
211BI 12				1.104	12
211BI 13			1.109	9/2-	13
211BI 14				1.118	14
211BI 15				1.130 (17/2)-	15
211BI 16				1.136	16
211BI 17				1.150 (15/2)-	17
211BI 18				1.196	18
211BI 19				1.227 (21/2-)	19 70 NS 5
211BI 20				1.234	20

211BI 21				1.242	21
211BI 22				1.257 (25/2-)	22 1.4 US 3
211BI 23				1.271 (7/2,9/2,11/2)	23
211BI 24				1.304	24
211BI 25				1.307	25
211BI 26				1.354	26
211BI 27				1.369	27
211BI 28				1.389	28
211BI 29				1.398	29
211BI 30				1.420	30

211BI 31				1.442	31
211BI 32				1.472	32
211BI 33				1.489	33
211BI 34				1.553	34
211BI 35				1.579	35
211BI 36				1.589	36

211BI 37			1.614		37
211BI 38			1.630	(+)	38
211BI 39			1.666		39
211BI 40			1.686		40

211BI 41			1.713		41
211BI 42			1.825		42
211BI 43			1.872		43
211BI 44			1.978		44
211BI 45			1.992		45
211BI 46			2.015		46
211BI 47			2.050	(+)	47
211BI 48			2.059		48
211BI 49			2.069		49
211BI 50			2.102		50

211BI 51			2.316		51
211BI 52			2.409		52
211BI 53			2.615		53
211BI 54			2.782		54
211BI 55			3.138		55
211BI 56			3.603		56
S-p	=	4.420 (0.006)	-----		
211BI 57			4.836	(41/2+)	57
211BI 58			4.979		58
S-n	=	5.139 (0.006)	-----		
211BI 59			5.257		59
211BI 60			5.334		60

211BI 61			5.445		61
211BI 62			5.945		62
211BI 63			6.191		63

S-p	=	4.420 (0.006)	-----		
S-n	=	5.139 (0.006)	-----		
S-2p	=	12.792 (0.008)	-----		
S-2n	=	9.743 (0.006)	-----		
S-alpha	=	-6.750 (0.008)	-----		

S+p	=	-5.799 (0.006)			
S+n	=	-4.330 (0.006)			
S+2p	=	-9.298 (0.007)			
S+2n	=	-9.515 (0.007)			
S+alpha	=	8.178 (0.009)			

gap p	=	-1.380 (0.008)			
gap n	=	0.808 (0.008)			
gap 2p	=	3.494 (0.011)			
gap 2n	=	0.228 (0.009)			

gap alpha = 1.427 (0.012)