

^{207}Bi $Z = 83$ $N = 124$ adopted link ENSDF link

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

BE = 1625.883 (0.002) MeV

Qbeta+ = 2.397 (0.003) MeV

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

S-alpha=	-3.282	(0.003)	-----		
207BI 1			0.000	9/2-	1 31.55 Y 4
207BI 2			0.670	11/2-	2
207BI 3			0.743	7/2-	3
207BI 4			0.892	9/2-	4
207BI 5			0.932	13/2-	5
207BI 6			0.992	7/2-	6
207BI 7			1.148	5/2-	7
207BI 8			1.211	9/2-	8
207BI 9			1.241	13/2-	9
207BI 10				1.335	10

207BI 11			1.358	15/2-	11
207BI 12				1.360 (7/2)-	12
207BI 13			1.373	5/2-	13
207BI 14				1.459 (9/2-,11/2-,13/2	14-)
207BI 15				1.512	15
207BI 16				1.556 (9/2-,11/2-,13/2	16-)
207BI 17				1.588	17
207BI 18	1.608	13/2+			18
207BI 19			1.646	15/2-	19
207BI 20				1.667 (-)	20

207BI 21				1.680 (3/2)-	21
207BI 22			1.691	5/2-	22
207BI 23				1.715	23
207BI 24				1.748	24
207BI 25			1.763	5/2-	25
207BI 26				1.770 (-)	26
207BI 27				1.813 (-)	27
207BI 28				1.869	28
207BI 29	1.902	1/2+			29
207BI 30				1.942 (-)	30

207BI 31				1.949 (5/2)-	31
207BI 32				1.976	32
207BI 33				1.996 (-)	33
207BI 34				2.044	34
207BI 35	2.060	3/2+			35 103 PS 10
207BI 36				2.081 (-)	36

207BI 37		2.102	21/2+					37	182 US	6
207BI 38						2.111	(-)	38		
207BI 39						2.120	(3/2)-	39		
207BI 40						2.174		40		

207BI 41					2.181	17/2-		41		
207BI 42						2.221		42		
207BI 43						2.231		43		
207BI 44						2.265		44		
207BI 45						2.335		45		
207BI 46		2.406	5/2+					46		
207BI 47						2.546	GT 5/2	47		
207BI 48		2.601	25/2+					48		
207BI 49						2.650	GT 5/2	49		
207BI 50						2.699		50		

207BI 51						2.801	(5/2)-	51		
207BI 52						2.931	(3/2-)	52		
207BI 53						2.949	(5/2-)	53		
207BI 54						3.030	(1/2-, 3/2-)	54		
207BI 55						3.060	(1/2-, 3/2-)	55		
207BI 56						3.134	(1/2, 3/2)-	56		
207BI 57						3.310	(1/2, 3/2)-	57		
207BI 58						3.345	(1/2, 3/2)-	58		
207BI 59						3.468	(1/2-, 3/2-)	59		
207BI 60		3.501	27/2+					60		

207BI 61						3.530	(1/2-, 3/2-)	61		
S-p	=	3.558	(0.003)	-----						
207BI 62					3.887	29/2-		62	12.7 NS	9
207BI 63						4.560	(31/2-)	63		

S-p	=	3.558	(0.003)	-----						
S-n	=	8.098	(0.008)	-----						
S-2p	=	10.812	(0.003)	-----						
S-2n	=	15.132	(0.005)	-----						
S-alpha	=	-3.282	(0.003)	-----						

S+p	=	-4.704	(0.003)							
S+n	=	-6.887	(0.003)							
S+2p	=	-7.407	(0.005)							
S+2n	=	-14.347	(0.003)							
S+alpha	=	5.982	(0.004)							

gap p	=	-1.146	(0.004)							
gap n	=	1.211	(0.009)							
gap 2p	=	3.404	(0.006)							
gap 2n	=	0.785	(0.006)							
gap alpha	=	2.701	(0.005)							