

^{210}Bi $Z = 83$ $N = 127$ adopted link ENSDF link

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

BE = 1644.834 (0.001) MeV

Qbeta- = 1.161 (0.002) MeV

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

S-alpha=	-5.036	(0.002)	-----		
210BI 1			0.000	1-	1 5.012 D 5
210BI 2			0.047	0-	2 3 NS LT
210BI 3			0.271	9-	3 3.04E+6 Y 6
210BI 4			0.320	2-	4 5.2 PS 10
210BI 5			0.348	3-	5
210BI 6			0.433	7-	6 57.5 NS 10
210BI 7			0.439	5-	7 38 NS 1
210BI 8			0.503	4-	8 1.4 NS LT
210BI 9			0.550	6-	9 1.4 NS LT
210BI 10				0.563 (1-)	10

210BI 11			0.583	8-	11 1.7 PS LT
210BI 12			0.669	10-	12 100 PS 18
210BI 13			0.916	8-	13
210BI 14				0.972 (2-)	14
210BI 15				0.994 (3+)	15
210BI 16				1.165 (1-)	16
210BI 17				1.175 (2-)	17
210BI 18				1.184 (8-)	18
210BI 19				1.197	19
210BI 20				1.208 (6-)	20

210BI 21				1.248 (4-)	21
210BI 22				1.301 (7-)	22
210BI 23				1.322 (11+)	23
210BI 24				1.336 (5-)	24
210BI 25				1.339 (6-)	25
210BI 26				1.346	26
210BI 27				1.374 (3-)	27
210BI 28				1.382 (7-)	28
210BI 29				1.390 (4-)	29
210BI 30				1.463 (5-)	30

210BI 31				1.473 (12+)	31
210BI 32				1.476 (3-)	32
210BI 33				1.479 (9-)	33
210BI 34				1.523 (4+)	34
210BI 35				1.531 (2+)	35
210BI 36				1.585 (2-)	36

210BI 37				1.707	(5+)	37
210BI 38				1.753	(10+)	38
210BI 39				1.776	(6+)	39
210BI 40				1.793	(8+)	40

210BI 41				1.801	(11+)	41
210BI 42				1.812	(8+)	42
210BI 43				1.837	(7+)	43
210BI 44				1.897	(3+)	44
210BI 45				1.897	(9-)	45
210BI 46				1.908		46
210BI 47				1.924	(2-)	47
210BI 48				1.980	(7-)	48
210BI 49				1.985	(3-)	49
210BI 50				1.987		50

210BI 51				1.990	(3-)	51
210BI 52				2.006	(8-)	52
210BI 53				2.006	(4+)	53
210BI 54				2.016	(6+)	54
210BI 55				2.027	(1+)	55
210BI 56				2.034	(5-)	56
210BI 57				2.073	(9+)	57
210BI 58				2.079	(4-)	58
210BI 59				2.099	(5-)	59
210BI 60				2.099	(11+)	60

210BI 61				2.108	(6-)	61
210BI 62				2.135	(7-)	62
210BI 63				2.138	(5-)	63
210BI 64				2.143		64
210BI 65				2.177	(4-)	65
210BI 66				2.238	(6-)	66
210BI 67				2.259	(7+)	67
210BI 68				2.280		68
210BI 69				2.314	(6-)	69
210BI 70				2.464		70

210BI 71				2.525	(4-)	71
210BI 72				2.543		72
210BI 73				2.579	(5-)	73
210BI 74				2.610	(4-)	74
210BI 75				2.664		75
210BI 76				2.724	(8+)	76
210BI 77				2.725	(14-)	77
210BI 78				2.737	(8-)	78
210BI 79				2.759	(6+)	79
210BI 80				2.765	(3+)	80

210BI 81				2.765	(3-)	81

210BI 82				2.818	(1-)	82
210BI 83				2.819	(4+)	83
210BI 84				2.840	(6-)	84
210BI 85				2.868		85
210BI 86				2.910	(7+)	86
210BI 87				2.921	(5-)	87
210BI 88				2.966	(4-)	88
210BI 89				3.005	(2-)	89
210BI 90				3.011	(2-)	90

210BI 91				3.040	(3-)	91
210BI 92				3.070	(4-)	92
210BI 93				3.109	(5-)	93
210BI 94				3.123		94
210BI 95				3.141	(6-)	95
210BI 96				3.182	(4-)	96
210BI 97				3.210	(5-)	97
210BI 98				3.245	(7-)	98
210BI 99				3.294	(13+)	99
210BI 100				3.330		100

210BI 101				3.399		101
210BI 102				3.412		102
210BI 103				3.443		103
210BI 104				3.469	(15+)	104 11.1 NS 7
210BI 105				3.502		105
210BI 106				3.538		106
210BI 107				4.030	(16+)	107
210BI 108				4.086	(14-)	108
210BI 109				4.188		109
210BI 110				4.239	(15-)	110

210BI 111				4.463	(16-)	111
S-p = 4.466 (0.002)	-----					
210BI 112				4.594	(17-)	112
S-n = 4.605 (0.002)	-----					
210BI 113				4.605	(5)	113
210BI 114				4.607	(4)	114
210BI 115				4.608	(5)	115
210BI 116				4.609	(5)	116
210BI 117				4.610	(5)	117
210BI 118				4.611	(4)	118
210BI 119				4.611	(3)	119
210BI 120				4.614	(6)	120

210BI 121				4.614	(5)	121
210BI 122				4.614	(4)	122
210BI 123				4.614	(3)	123
210BI 124				4.617		124
210BI 125				4.620	(5)	125

210BI 126			4.622	(6)	126
210BI 127			4.622	(5)	127
210BI 128			4.626	(5)	128
210BI 129			4.626	(4)	129
210BI 130			4.627	(5)	130

210BI 131			4.628	(6)	131
210BI 132			4.965	(19-)	132
210BI 133			5.182		133
210BI 134			5.478		134
210BI 135			5.748		135
210BI 136			5.845		136
210BI 137			5.996		137

S-p = 4.466 (0.002)-----
 S-n = 4.605 (0.002)-----
 S-2p = 12.620 (0.002)-----
 S-2n = 12.064 (0.003)-----
 S-alpha= -5.036 (0.002)-----

S+p = -4.930 (0.002)
 S+n = -5.139 (0.006)
 S+2p = -8.414 (0.003)
 S+2n = -9.469 (0.002)
 S+alpha = 8.988 (0.004)

gap p = -0.464 (0.003)
 gap n = -0.534 (0.006)
 gap 2p = 4.205 (0.004)
 gap 2n = 2.596 (0.004)
 gap alpha = 3.951 (0.005)