

$^{208}\text{Bi}$        $Z = 83$        $N = 125$       adopted link      ENSDF link

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

BE = 1632.770 ( 0.002) MeV

Qbeta+ = 2.878 ( 0.003) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-3.051	( 0.003)	-----		
208BI 1	0.000	5+			1 3.68E+5 Y 4
208BI 2	0.063	4+			2
208BI 3	0.510	6+			3 118 PS 14
208BI 4	0.601	4+			4 5.5 PS 21
208BI 5	0.628	5+			5
208BI 6	0.633	3+			6
208BI 7	0.651	7+			7 1.0 NS GT
208BI 8	0.886	5+			8 0.18 PS +8-6
208BI 9	0.925	2+			9
208BI 10	0.936	3+			10 1.7 PS GT
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208BI 11	0.959	4+			11
208BI 12	1.033	4+			12 0.72 PS +26-17
208BI 13	1.069	3+			13 0.44 PS +21-12
208BI 14	1.095	6+			14 0.13 PS +5-4
208BI 15				1.469	4+,5+,6+
208BI 16				1.529	3+,4+
208BI 17				1.539	2+,3+
208BI 18				1.563	3+,4+
208BI 19			1.571	10-	19 2.58 MS 4
208BI 20				1.603	20
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208BI 21			1.625	6-	21
208BI 22			1.657	8-	22
208BI 23			1.667	7-	23
208BI 24			1.703	5-	24
208BI 25				1.716	6-,7-
208BI 26				1.716	6-,7-
208BI 27				1.731	27
208BI 28			1.786	9-	28
208BI 29	1.802	1+			29
208BI 30				1.824	30
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208BI 31				1.836	(5+,6+,7+)
208BI 32			1.839	4-	32
208BI 33				1.871	3+,4+
208BI 34				1.882	2+,3,4,5+
208BI 35			1.920	3-	35
208BI 36				2.078	0-,1-,2-

208BI 37						2.127		2+,3,4+	37
208BI 38						2.132			38
208BI 39						2.160			39
208BI 40						2.179		4+,5,6,7+	40
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208BI 41						2.180		4+,5,6,7+	41
208BI 42						2.203		1-,2-,3-	42
208BI 43						2.246			43
208BI 44						2.308		2+,3,4	44
208BI 45		2.340		7+					45
208BI 46						2.358		2+,3,4,5+	46
208BI 47						2.384		4+,5+	47
208BI 48						2.386		4+,5+	48
208BI 49						2.404			49
208BI 50				2.407		9-			50
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208BI 51		2.409		6+					51
208BI 52						2.416		1+,2,3,4-	52
208BI 53				2.427		11-			53
208BI 54						2.437			54
208BI 55		2.457		3+					55
208BI 56				2.470		9-			56
208BI 57						2.478		2,3,4	57
208BI 58						2.496		4,5+	58
208BI 59		2.502		2+					59
208BI 60						2.514		2+,3,4,5+	60
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208BI 61						2.545			61
208BI 62						2.554			62
208BI 63						2.556		2,3,4	63
208BI 64		2.565		3+					64
208BI 65						2.570		1,2,3	65
208BI 66						2.587		3+,4,5+	66
208BI 67						2.605			67
208BI 68						2.613		4+,5+	68
208BI 69						2.631		5,6,7-	69
208BI 70						2.636		2+,3,4,5+	70
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208BI 71						2.657			71
208BI 72		2.661		8+					72
208BI 73						2.679		1+,2,3	73
208BI 74						2.694		2+,3,4,5+	74
208BI 75						2.719		2,3,4	75
208BI 76						2.719		(6-)	76
208BI 77						2.733			77
208BI 78						2.740		3,4,5	78
208BI 79						2.804		(10-)	79
208BI 80						2.826		(6-,7-,8-)	80
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208BI 81						2.839		1+,2,3	81

208BI 82				2.843		82
208BI 83				2.843		83
208BI 84				2.870	3+,4,5,6+	84
208BI 85				2.880	2+,3,4,5+	85
208BI 86				2.881	3+,4,5+	86
208BI 87		2.884	1+			87
208BI 88				2.887		88
208BI 89				2.888		89
208BI 90			2.894	2-		90
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208BI 91				2.904	0+,1,2,3+	91
208BI 92				2.912		92
208BI 93				2.933	3+,4,5+	93
208BI 94		2.943	2+			94
208BI 95				2.951	2+,3	95
208BI 96				3.049		96
208BI 97		3.069	2+			97
208BI 98				3.091	(8)-	98
208BI 99				3.114	3+,4+,5+,6+	99
208BI 100				3.141	3+,4+,5+,6+	100
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208BI 101				3.154	-	101
208BI 102				3.155		102
208BI 103				3.166	1+,2,3,4+	103
208BI 104		3.171	1+			104
208BI 105				3.201	(12+)	105
208BI 106				3.207		106
208BI 107				3.212		107
208BI 108				3.240		108
208BI 109				3.246		109
208BI 110				3.257	1+,2+	110
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208BI 111				3.271	+	111
208BI 112		3.286	2+			112
208BI 113				3.300	-	113
208BI 114				3.318	+	114
208BI 115				3.327	4-,5-	115
208BI 116				3.332		116
208BI 117				3.347	4-,5-	117
208BI 118				3.351		118
208BI 119				3.362	+	119
208BI 120				3.379		120
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208BI 121				3.387		121
208BI 122				3.391		122
208BI 123				3.407	1+,2+	123
208BI 124				3.411		124
208BI 125				3.412	+	125
208BI 126				3.425		126
208BI 127				3.427		127

208BI 128				3.449	(13+)	128
208BI 129				3.453	-	129
208BI 130				3.457	1+,2+	130
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208BI 131				3.461	+	131
208BI 132				3.500	(11+)	132
208BI 133		3.521	9-			133
208BI 134				3.524	+	134
208BI 135				3.532		135
208BI 136				3.541	+	136
208BI 137				3.547		137
208BI 138				3.563	-	138
208BI 139				3.565	+	139
208BI 140				3.601	(12+)	140
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208BI 141				3.611	1+,2+	141
208BI 142				3.631		142
208BI 143				3.662		143
208BI 144				3.688		144
S-p	=	3.707	( 0.003)	-----		
208BI 145				3.718	+	145
208BI 146				3.742		146
208BI 147				3.751		147
208BI 148				3.766		148
208BI 149				3.767		149
208BI 150				3.795		150
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208BI 151				3.851		151
208BI 152				3.854		152
208BI 153	3.863	1+				153
208BI 154				3.886	(+)	154
208BI 155				3.905		155
208BI 156				3.906		156
208BI 157				3.967		157
208BI 158				4.013		158
208BI 159				4.015	+	159
208BI 160				4.015		160
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208BI 161	4.043	1+				161
208BI 162				4.049		162
208BI 163				4.087		163
208BI 164				4.137		164
208BI 165				4.156		165
208BI 166				4.159	(13+)	166
208BI 167				4.183		167
208BI 168				4.236		168
208BI 169				4.238		169
208BI 170				4.284		170
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208BI 171				4.291	(13)	171

208BI 172				4.357		172
208BI 173				4.399		173
208BI 174				4.448		174
208BI 175				4.484	(14+)	175
208BI 176				4.543	+	176
208BI 177				4.556	+	177
208BI 178				4.587	+	178
208BI 179		4.617	1+			179
208BI 180				4.635	(15+)	180
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208BI 181				4.652		181
208BI 182				4.697		182
208BI 183				4.836	(14-)	183
208BI 184				4.885		184
208BI 185				5.008		185
208BI 186				5.067		186
208BI 187				5.463	(15-)	187
208BI 188				5.552		188
208BI 189				5.627	(16-)	189
208BI 190		5.900	1+			190
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S-n	=	6.887	( 0.003)	-----		
208BI 191				7.130		191
208BI 192		8.190	1+			192
208BI 193				9.000		193 40 NS AP
208BI 194				9.160	(1)+	194
208BI 195		9.800	1+			195
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S-p	=	3.707	( 0.003)	-----		
S-n	=	6.887	( 0.003)	-----		
S-2p	=	11.195	( 0.003)	-----		
S-2n	=	14.985	( 0.008)	-----		
S-alpha	=	-3.051	( 0.003)	-----		
S+p	=	-4.785	( 0.003)			
S+n	=	-7.460	( 0.003)			
S+2p	=	-7.680	( 0.008)			
S+2n	=	-12.064	( 0.003)			
S+alpha	=	7.817	( 0.003)			
gap p	=	-1.077	( 0.004)			
gap n	=	-0.573	( 0.004)			
gap 2p	=	3.515	( 0.008)			
gap 2n	=	2.920	( 0.008)			
gap alpha	=	4.766	( 0.004)			