

^{71}Ge $Z = 32$ $N = 39$ [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 617.935 (0.001) MeV

Qbeta+ = 0.233 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
71GE 1			0.000	1/2-	1 11.43 D 3
71GE 2			0.175	5/2-	2 79 NS 2
71GE 3	0.198	9/2+			3 20.41 MS 18
71GE 4			0.500	3/2-	4
71GE 5	0.525	5/2+			5
71GE 6	0.590	7/2+			6
71GE 7			0.708	3/2-	7 10.7 PS GT
71GE 8			0.747	5/2-	8
71GE 9				0.801	9
71GE 10				0.808 1/2(-)	10
71GE 11				0.817	11
71GE 12			0.831	3/2-	12
71GE 13				0.887 (3/2,5/2-)	13
71GE 14			1.027	5/2-	14 1.2 PS GT
71GE 15	1.038	9/2+			15
71GE 16			1.096	3/2-	16 0.62 PS 14
71GE 17			1.096	7/2-	17
71GE 18			1.139	3/2-	18 4.0 PS 14
71GE 19				1.154	19
71GE 20	1.171	5/2+			20
71GE 21	1.173	13/2+			21 0.87 PS 17
71GE 22	1.192	11/2+			22 0.90 PS 18
71GE 23	1.205	5/2+			23 1.11 PS 28
71GE 24			1.212	5/2-	24 1.2 PS GT
71GE 25				1.237	25
71GE 26			1.289	1/2-	26
71GE 27			1.299	3/2-	27 0.42 PS 9
71GE 28	1.349	1/2+			28 0.46 PS 11
71GE 29				1.379 (3/2+,5/2,7/2)	29
71GE 30				1.379 (1/2-)	30
71GE 31				1.407 (7/2)-	31
71GE 32				1.416 (1/2-,3/2,5/2-)	32
71GE 33			1.422	9/2-	33 1.0 PS 2
71GE 34				1.450	34
71GE 35				1.454 (1/2+)	35
71GE 36				1.476 (5/2-)	36
71GE 37	1.477	11/2+			37 0.54 PS 10

71GE 38						1.485				38
71GE 39				1.506		7/2-				39 0.51 PS 16
71GE 40						1.542		(1/2+,3/2-)		40

71GE 41		1.559		5/2+						41
71GE 42						1.566		(5/2-,7/2+)		42
71GE 43				1.599		3/2-				43 0.55 PS 15
71GE 44						1.629		(3/2+,5/2-)		44
71GE 45						1.631		(1/2-,3/2,5/2-)		45
71GE 46						1.698		(9/2)+		46
71GE 47				1.743		3/2-				47 0.42 PS 15
71GE 48						1.781		5/2-,7/2-		48
71GE 49						1.792		(3/2+,5/2-)		49
71GE 50						1.801		(5/2+,7/2)		50

71GE 51						1.814				51
71GE 52						1.836				52
71GE 53						1.841				53
71GE 54						1.868				54
71GE 55						1.891				55
71GE 56						1.909				56
71GE 57						1.937		(3/2+,5/2-)		57 0.69 PS 28
71GE 58						1.941		(1/2,3/2,5/2-)		58
71GE 59						1.941		(9/2)+		59
71GE 60						1.949				60

71GE 61						1.960		11/2(+),13/2(+)		61
71GE 62				1.965		3/2-				62
71GE 63						1.979				63
71GE 64						2.032		(1/2-,3/2)		64
71GE 65						2.043		1/2-,3/2-		65
71GE 66						2.076		(1/2,3/2)		66
71GE 67						2.082				67
71GE 68						2.094				68
71GE 69						2.139		(5/2-,7/2-)		69
71GE 70						2.141		(1/2,3/2)		70

71GE 71						2.146		(1/2,3/2)		71
71GE 72						2.180				72
71GE 73						2.210		(1/2+,5/2-,7/2-		73)
71GE 74		2.224		1/2+						74
71GE 75						2.240				75
71GE 76						2.257		(1/2,3/2)		76
71GE 77						2.278		(5/2+,1/2-,3/2-)		77
71GE 78						2.297				78
71GE 79						2.299		17/2(+)		79
71GE 80						2.314		15/2(+)		80

71GE 81						2.330				81
71GE 82		2.345		5/2+						82

71GE 83				2.349	13/2(-)	83
71GE 84				2.352	1/2-, 3/2-	84
71GE 85				2.364	(1/2+)	85
71GE 86				2.386	5/2-, 7/2-	86
71GE 87				2.427	1/2, 3/2, 5/2+	87
71GE 88				2.435	1/2, 3/2, 5/2+	88
71GE 89				2.455		89
71GE 90				2.462	(1/2, 3/2)	90

71GE 91				2.479		91
71GE 92		2.486	1/2+			92
71GE 93				2.515	1/2, 3/2, 5/2+	93
71GE 94				2.519	(1/2, 3/2)	94
71GE 95		2.523	5/2+			95
71GE 96				2.534	(1/2, 3/2)	96
71GE 97				2.543		97
71GE 98				2.572		98
71GE 99				2.590		99
71GE 100				2.616		100

71GE 101		2.644	5/2+			101
71GE 102				2.676	1/2-, 3/2-	102
71GE 103				2.696		103
71GE 104				2.709	7/2+, 9/2+	104
71GE 105				2.725		105
71GE 106				2.742	(1/2-, 3/2-)	106
71GE 107				2.756	3/2+, 5/2+	107
71GE 108				2.775	(1/2, 3/2-)	108
71GE 109				2.789		109
71GE 110				2.802		110

71GE 111				2.830		111
71GE 112				2.857	3/2+, 5/2+	112
71GE 113		2.868	1/2+			113
71GE 114		2.881	3/2+			114
71GE 115				2.893	1/2-, 3/2-	115
71GE 116				2.912	3/2+, 5/2+	116
71GE 117				2.922		117
71GE 118				2.940		118
71GE 119				2.952	(1/2, 3/2)	119
71GE 120		2.960	1/2+			120

71GE 121		3.003	5/2+			121
71GE 122				3.025	(1/2, 3/2)	122
71GE 123		3.035	5/2+			123
71GE 124				3.065	3/2+, 5/2+	124
71GE 125				3.077		125
71GE 126		3.087	1/2+			126
71GE 127				3.101		127
71GE 128				3.114		128

71GE 129						3.129		129
71GE 130						3.158	(1/2,3/2)	130

71GE 131		3.184		1/2+				131
71GE 132						3.200	3/2+,5/2+	132
71GE 133						3.208	(1/2,3/2)	133
71GE 134						3.214	(1/2,3/2)	134
71GE 135						3.224	(1/2,3/2)	135
71GE 136						3.232	(1/2+)	136
71GE 137						3.261		137
71GE 138						3.286	(1/2-)	138
71GE 139						3.293		139
71GE 140						3.311	(1/2-)	140

71GE 141						3.334	(3/2+,5/2+)	141
71GE 142						3.339	(1/2,3/2)	142
71GE 143						3.365		143
71GE 144						3.375		144
71GE 145						3.382	(1/2+)	145
71GE 146						3.405	(1/2,3/2)	146
71GE 147						3.407	(1/2,3/2)	147
71GE 148						3.422	3/2+,5/2+	148
71GE 149						3.444		149
71GE 150						3.463	(1/2,3/2)	150

71GE 151						3.473	3/2+,5/2+	151
71GE 152						3.482	(3/2)+	152
71GE 153						3.496		153
71GE 154						3.514	1/2-,3/2-	154
71GE 155						3.533		155
71GE 156						3.556	(3/2)+	156
71GE 157						3.570	1/2-,3/2-	157
71GE 158				3.597		3/2-		158
71GE 159						3.615	(1/2+)	159
71GE 160						3.633		160

71GE 161						3.647		161
71GE 162						3.661		162
71GE 163						3.680		163
71GE 164						3.681	(1/2-,3/2,5/2+)	164
71GE 165		3.721		1/2+				165
71GE 166						3.744		166
71GE 167						3.767	(5/2+)	167
71GE 168						3.774	5/2-,7/2-	168
71GE 169						3.792	1/2-,3/2-	169
71GE 170						3.824		170

71GE 171						3.843		171
71GE 172						3.855		172
71GE 173						3.866	(1/2,3/2)	173

71GE 174				3.884		174
71GE 175				3.894	1/2-, 3/2-	175
71GE 176				3.899	(3/2)+	176
71GE 177				3.910	(5/2+)	177
71GE 178				3.924		178
71GE 179				3.942	1/2-, 3/2-	179
71GE 180				3.960	(1/2, 3/2-)	180

71GE 181				3.980		181
71GE 182				3.996		182
71GE 183				4.062		183
71GE 184				4.080		184
71GE 185				4.090		185
71GE 186				4.140		186
71GE 187				4.227	(1/2, 3/2)	187
71GE 188				4.307	(1/2, 3/2)	188
71GE 189				4.410	(1/2+)	189
S-alpha=	4.451	(0.001)	-----			
71GE 190				4.500		190

71GE 191				4.520		191
71GE 192				5.000		192
71GE 193				6.000		193
71GE 194	7.416	1/2+				194
S-n	=	7.416	(0.001)	-----		
71GE 195	7.417	1/2+				195
71GE 196	7.417	1/2+				196
71GE 197				7.418		197
71GE 198				7.419		198
71GE 199				7.420		199
71GE 200	7.420	1/2+				200

71GE 201	7.421	1/2+				201
71GE 202	7.423	1/2+				202
71GE 203	7.425	1/2+				203
71GE 204	7.426	1/2+				204
71GE 205	7.426	1/2+				205
71GE 206	7.428	1/2+				206
71GE 207	7.429	1/2+				207
71GE 208	7.434	1/2+				208
71GE 209	7.440	1/2+				209
71GE 210	7.442	1/2+				210

71GE 211	7.443	1/2+				211
71GE 212	7.445	1/2+				212
71GE 213	7.452	1/2+				213
71GE 214	7.456	1/2+				214
71GE 215				7.940		215
S-p	=	8.285	(0.001)	-----		
71GE 216		8.932	3/2-			216

S-p	=	8.285	(0.001)	-----
S-n	=	7.416	(0.001)	-----
S-2p	=	16.067	(0.001)	-----
S-2n	=	18.948	(0.002)	-----
S-alpha	=	4.451	(0.001)	-----
S+p	=	-5.612	(0.004)	
S+n	=	-10.751	(0.001)	
S+2p	=	-12.899	(0.007)	
S+2n	=	-17.534	(0.001)	
S+alpha	=	-4.688	(0.001)	
gap p	=	2.673	(0.004)	
gap n	=	-3.335	(0.001)	
gap 2p	=	3.168	(0.008)	
gap 2n	=	1.415	(0.002)	
gap alpha	=	-0.237	(0.001)	