

$^{87}\text{Sr}$        $Z = 38$        $N = 49$       adopted link      ENSDF link

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

BE = 757.356 ( 0.000) MeV

	Energy T	J+	J-	J-other	T1/2
87SR 1	0.000	9/2+			1 STABLE
87SR 2			0.389 1/2-		2 2.815 H 12
87SR 3			0.873 3/2-		3 1.7 PS 7
87SR 4	1.228	5/2+			4 1.0 PS 4
87SR 5			1.254 5/2-		5 2.8 PS +28-9
87SR 6	1.740	13/2+			6 0.28 PS 9
87SR 7				1.742 5/2+,7/2+	7
87SR 8	1.770	5/2+			8 5.5 PS +63-21
87SR 9	1.920	7/2+			9 0.14 PS 3
87SR 10			2.110 3/2-		10 0.092 PS +21-16
87SR 11				2.154 (11/2)+	11 0.09 PS LT
87SR 12	2.169	1/2+			12 0.15 PS GE
87SR 13	2.236	9/2+			13 0.15 PS 4
87SR 14				2.262	14
87SR 15				2.415 3/2-,5/2-	15 0.13 PS 4
87SR 16				2.420 (5/2-)	16 0.08 PS 4
87SR 17				2.488 -	17
87SR 18				2.533 7/2+,9/2+	18
87SR 19			2.536 11/2-		19 0.19 PS 8
87SR 20				2.539 -	20
87SR 21				2.550 (7/2)+	21 0.22 PS 7
87SR 22				2.555 (9/2)-	22 0.06 PS 4
87SR 23			2.596 13/2-		23 1.0 PS 3
87SR 24				2.633 1/2-,3/2-	24
87SR 25				2.656 5/2-,7/2-	25
87SR 26	2.677	3/2+			26
87SR 27				2.679 1/2-,3/2-	27
87SR 28				2.682 (3/2)+	28 0.25 PS 9
87SR 29				2.707 7/2+,9/2+	29 0.55 PS 14
87SR 30				2.803	30
87SR 31	2.819	9/2+			31
87SR 32				2.821 (9/2)+	32 0.7 PS 3
87SR 33			2.831 15/2-		33 0.35 PS LT
87SR 34				2.851 1/2-,3/2-	34
87SR 35				2.893 (-)	35
87SR 36				2.904	36
87SR 37				2.921 7/2+,9/2+	37
87SR 38			2.921 3/2-		38

87SR 39		2.941	1/2+						39
87SR 40						2.980	-		40
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87SR 41					3.007	3/2-			41
87SR 42						3.019	1/2-, 3/2-		42
87SR 43						3.036			43
87SR 44						3.047			44
87SR 45						3.066	(1/2-, 3/2)		45
87SR 46						3.102			46
87SR 47					3.117	13/2-			47 0.38 PS 12
87SR 48						3.118			48
87SR 49		3.125	1/2+						49
87SR 50						3.136	5/2-, 7/2-		50
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87SR 51						3.152	(3/2)+		51
87SR 52						3.155			52
87SR 53						3.166	(5/2)+		53
87SR 54						3.232	(1/2, 3/2)		54
87SR 55						3.249	(17/2)-		55 1.3 PS +16-6
87SR 56		3.259	5/2+						56
87SR 57		3.271	9/2+						57
87SR 58		3.277	5/2+						58
87SR 59						3.372	1/2+, 3/2, 5/2+		59
87SR 60		3.385	5/2+						60
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87SR 61						3.391	(19/2-)		61
87SR 62						3.416	1/2(-), 3/2(-)		62
87SR 63						3.426	(5/2-)		63
87SR 64						3.431	1/2-, 3/2, 5/2+		64
87SR 65						3.447	(-)		65
87SR 66						3.483			66
87SR 67						3.507	(3/2)+		67
87SR 68						3.521	5/2-, 7/2-		68
87SR 69		3.548	5/2+						69
87SR 70						3.551	(-)		70
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87SR 71						3.591	(3/2+, 5/2+)		71
87SR 72		3.603	3/2+						72
87SR 73						3.608	1/2+, 3/2, 5/2+		73
87SR 74						3.611	(21/2)		74
87SR 75						3.628	(1/2-, 3/2-)		75
87SR 76						3.657			76
87SR 77						3.668			77
87SR 78						3.674	(3/2+)		78
87SR 79						3.682	7/2+, 9/2+		79
87SR 80						3.686	(17/2)		80
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87SR 81						3.691			81
87SR 82						3.706			82
87SR 83						3.717	1/2, 3/2, 5/2+		83

87SR 84				3.718	(19/2)	84
87SR 85				3.731	3/2	85
87SR 86				3.740		86
87SR 87				3.750	7/2+,9/2+	87
87SR 88				3.765	1/2-,3/2,5/2	88
87SR 89	3.776	3/2+				89
87SR 90				3.792		90
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87SR 91				3.824		91
87SR 92	3.872	1/2+				92
87SR 93				3.874	(-)	93
87SR 94				3.881	7/2+,9/2+	94
87SR 95				3.894		95
87SR 96				3.920		96
87SR 97				3.943		97
87SR 98				3.951	1/2,3/2,5/2+	98
87SR 99	3.959	3/2+				99
87SR 100				3.960	5/2-,7/2-	100
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87SR 101				3.981	(+)	101
87SR 102				4.020	7/2+,9/2+	102
87SR 103				4.026	1/2-,3/2	103
87SR 104				4.031	7/2+,9/2+	104
87SR 105				4.051		105
87SR 106				4.056	1/2,3/2,5/2+	106
87SR 107				4.081	(3/2+,5/2+)	107
87SR 108				4.090		108
87SR 109				4.115	(5/2-,7/2-)	109
87SR 110				4.116	(+)	110
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87SR 111				4.150	(-)	111
87SR 112				4.165	1/2(-),3/2(-)	112
87SR 113				4.172	(17/2+)	113
87SR 114				4.180	5/2-,7/2-	114
87SR 115	4.182	1/2+				115
87SR 116				4.187	(+)	116
87SR 117	4.197	3/2+				117
87SR 118				4.224	1/2+,3/2+	118
87SR 119				4.236	3/2+,5/2+	119
87SR 120				4.252	7/2+,9/2+	120
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87SR 121				4.288		121
87SR 122				4.310		122
87SR 123				4.323		123
87SR 124				4.337	1/2+,3/2	124
87SR 125				4.354	(5/2-,7/2-)	125
87SR 126				4.380		126
87SR 127				4.414		127
87SR 128				4.433		128
87SR 129				4.436	1/2+,3/2	129

87SR 130		4.440	(23/2)	130
87SR 131		4.443		131
87SR 132		4.449		132
87SR 133		4.463		133
87SR 134		4.486		134
87SR 135		4.501		135
87SR 136		4.514		136
87SR 137		4.537	1/2-,3/2	137
87SR 138		4.541		138
87SR 139		4.551	1/2+,3/2	139
87SR 140		4.565		140
87SR 141		4.571	(19/2+)	141
87SR 142		4.585		142
87SR 143		4.596		143
87SR 144		4.605	1/2,3/2,5/2+	144
87SR 145		4.619		145
87SR 146		4.632		146
87SR 147		4.644	1/2+,3/2	147
87SR 148		4.651	1/2+,3/2,5/2+	148
87SR 149		4.653		149
87SR 150		4.672	(21/2+)	150
87SR 151		4.676		151
87SR 152		4.685	1/2-,3/2	152
87SR 153		4.689		153
87SR 154		4.696		154
87SR 155		4.708		155
87SR 156		4.718	5/2-,7/2-	156
87SR 157		4.751		157
87SR 158		4.784	1/2+,3/2,5/2+	158
87SR 159		4.790	3/2	159
87SR 160		4.799		160
87SR 161		4.823		161
87SR 162		4.827	1/2+,3/2	162
87SR 163		4.846	1/2-,3/2-	163
87SR 164		4.878		164
87SR 165		4.887		165
87SR 166		4.905		166
87SR 167		4.922		167
87SR 168		4.926		168
87SR 169		4.934		169
87SR 170		4.943		170
87SR 171		4.949		171
87SR 172		4.953	1/2,3/2,5/2+	172
87SR 173		4.964	1/2+,3/2	173
87SR 174		4.969		174

87SR 175			4.975		175
87SR 176			4.991		176
87SR 177			5.020	5/2-, 7/2-	177
87SR 178			5.063	1/2+, 3/2, 5/2+	178
87SR 179			5.068	1/2+, 3/2, 5/2+	179
87SR 180			5.082	1/2, 3/2, 5/2+	180
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87SR 181			5.091	1/2, 3/2, 5/2+	181
87SR 182			5.107	1/2-, 3/2-	182
87SR 183			5.120	5/2-, 7/2-	183
87SR 184			5.142	1/2, 3/2, 5/2+	184
87SR 185			5.169		185
87SR 186			5.174	(23/2+)	186
87SR 187			5.207	1/2+, 3/2	187
87SR 188			5.260	5/2-, 7/2-	188
87SR 189			5.282	1/2-, 3/2-	189
87SR 190			5.296	1/2+, 3/2	190
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87SR 191			5.333	1/2, 3/2, 5/2+	191
87SR 192			5.379	1/2-, 3/2	192
87SR 193			5.397	1/2, 3/2, 5/2+	193
87SR 194			5.420	5/2-, 7/2-	194
87SR 195			5.560	5/2-, 7/2-	195
87SR 196			5.647	1/2-, 3/2	196
87SR 197			5.673	1/2, 3/2, 5/2+	197
87SR 198			5.770	5/2-, 7/2-	198
87SR 199			5.811	1/2, 3/2, 5/2+	199
87SR 200			5.843	3/2	200
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87SR 201			5.885	(25/2+)	201
87SR 202			5.920	5/2-, 7/2-	202
87SR 203			5.943	3/2	203
87SR 204			6.074	1/2+, 3/2, 5/2+	204
87SR 205			6.075	(25/2+)	205
87SR 206			6.094	1/2+, 3/2	206
87SR 207			6.189	1/2(+), 3/2, 5/2+	207
87SR 208			6.374	(27/2+)	208
87SR 209			6.675	(29/2+)	209
87SR 210			7.032	1/2-, 3/2	210
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S-alpha=	7.314	( 0.000)	-----		
87SR 211			7.443	31/2(+)	211
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S-p	=	9.422	( 0.000)	-----	
S-n	=	8.428	( 0.000)	-----	
S-2p	=	17.978	( 0.002)	-----	
S-2n	=	19.919	( 0.003)	-----	
S-alpha=	7.314	( 0.000)	-----		

S+p = -6.708 ( 0.001)  
S+n = -11.113 ( 0.000)  
S+2p = -14.576 ( 0.003)  
S+2n = -17.472 ( 0.000)  
S+alpha = -5.440 ( 0.000)

gap p = 2.714 ( 0.002)  
gap n = -2.685 ( 0.000)  
gap 2p = 3.402 ( 0.003)  
gap 2n = 2.448 ( 0.003)  
gap alpha = 1.874 ( 0.000)