

$^{114}\text{Sn}$        $Z = 50$        $N = 64$       adopted link      ENSDF link

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

BE = 971.573 ( 0.000) MeV

	Energy T	J+	J-	J-other	T1/2	
114SN 1	0.000	0+			1 STABLE	
114SN 2	1.300	2+			2 0.42 PS 3	
114SN 3	1.953	0+			3 6.5 PS 23	
114SN 4	2.156	0+			4 7.6 PS GT	
114SN 5	2.188	4+			5 5.3 PS 4	
114SN 6	2.239	2+			6	
114SN 7			2.275	3-	7 0.360 PS 21	
114SN 8	2.422	0+			8	
114SN 9	2.454	2+			9	
114SN 10			2.514	3-	10	
114SN 11	2.515	3+			11	
114SN 12	2.576	2+			12	
114SN 13	2.614	4+			13 0.55 PS 10	
S-alpha= 2.637 ( 0.000)						
114SN 14				2.738	14	
114SN 15				2.760	15	
114SN 16	2.765	4+			16 0.56 PS 30	
114SN 17			2.815	5-	17 1.4 PS GT	
114SN 18	2.860	4+			18	
114SN 19			2.905	3-	19	
114SN 20			2.905	3-	20	
114SN 21	2.916	2+			21	
114SN 22	2.943	2+			22	
114SN 23				3.025	2,3+	23
114SN 24	3.025	0+			24	
114SN 25				3.028	2,3+	25
114SN 26				3.071	26	
114SN 27			3.087	7-	27 733 NS 14	
114SN 28				3.100	28	
114SN 29				3.107	29	
114SN 30	3.150	6+			30 1.1 PS 3	
114SN 31	3.186	2+			31	
114SN 32	3.189	6+			32 2.14 PS 10	
114SN 33			3.190	8-	33 0.35 NS 20	
114SN 34	3.208	4+			34	
114SN 35				3.212	(1,2)	35
114SN 36			3.226	3-	36	
114SN 37				3.242	5-,6+	37

114SN 38				3.244	6-				38	1.4 PS	GT
114SN 39							3.297		39		
114SN 40		3.308	0+						40		
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114SN 41		3.326	2+						41		
114SN 42							3.326	(1)	42		
114SN 43		3.357	4+						43		
114SN 44					3.363	6-			44	1.1 PS	+7-3
114SN 45					3.365	5-			45		
114SN 46							3.380		46		
114SN 47							3.392		47		
114SN 48							3.393		48		
114SN 49		3.396	6+						49		
114SN 50							3.397	(4-)	50		
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114SN 51		3.423	0+						51		
114SN 52		3.448	4+						52		
114SN 53		3.452	0+						53		
114SN 54		3.471	6+						54	0.5 PS	+3-18
114SN 55		3.479	2+						55		
114SN 56					3.486	5-			56		
114SN 57					3.511	9-			57	7.2 PS	39
114SN 58							3.514	3-,9-	58		
114SN 59					3.525	3-			59		
114SN 60		3.549	0+						60		
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114SN 61		3.561	2+						61		
114SN 62					3.566	7-			62		
114SN 63		3.587	4+						63		
114SN 64							3.611	5(-)	64		
114SN 65		3.654	4+						65		
114SN 66							3.659		66	0.8 PS	+5-3
114SN 67		3.680	4+						67		
114SN 68					3.685	6-			68		
114SN 69		3.696	2+						69		
114SN 70					3.718	7-			70	1.0 PS	+7-4
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114SN 71							3.720		71		
114SN 72		3.727	2+						72		
114SN 73		3.740	0+						73		
114SN 74		3.765	0+						74		
114SN 75		3.782	2+						75		
114SN 76		3.786	4+						76		
114SN 77		3.800	2+						77		
114SN 78							3.854		78		
114SN 79							3.856		79		
114SN 80					3.871	5-			80		
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114SN 81		3.871	8+						81	1.01 PS	8
114SN 82		3.876	2+						82		

114SN 83						3.889			83
114SN 84				3.939	3-				84
114SN 85		3.971	2+						85
114SN 86				3.971	8-				86
114SN 87						3.988			87
114SN 88				3.988	3-				88
114SN 89						3.991	2+,3+,4+		89
114SN 90		4.000	4+						90
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114SN 91						4.030	2+,3+,4+		91
114SN 92				4.043	5-				92
114SN 93				4.047	5-				93
114SN 94		4.057	6+						94
114SN 95		4.089	8+						95
114SN 96		4.095	2+						96
114SN 97		4.118	4+						97
114SN 98		4.136	4+						98
114SN 99		4.140	10+						99 218 PS 24
114SN 100				4.141	8-				100
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114SN 101						4.153			101
114SN 102						4.160			102
114SN 103						4.177			103
114SN 104				4.221	6-				104
114SN 105						4.262			105
114SN 106						4.294			106
114SN 107		4.313	7+						107
114SN 108						4.322			108
114SN 109						4.338			109
114SN 110						4.353			110
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114SN 111						4.394			111
114SN 112						4.403			112
114SN 113						4.406			113
114SN 114		4.413	0+						114
114SN 115						4.429			115
114SN 116				4.430	7-				116
114SN 117						4.435			117
114SN 118						4.450			118
114SN 119						4.472			119
114SN 120						4.482			120
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114SN 121						4.489			121
114SN 122						4.492			122
114SN 123						4.515			123
114SN 124						4.527			124
114SN 125		4.553	8+						125
114SN 126						4.568			126
114SN 127						4.576			127
114SN 128						4.584			128

114SN 129				4.594		129
114SN 130				4.613		130
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114SN 131			4.624	7-		131
114SN 132				4.650		132
114SN 133			4.665	9-		133
114SN 134			4.669	8-		134
114SN 135			4.671	10-		135
114SN 136		4.673	10+			136 0.69 PS 9
114SN 137				4.679		137
114SN 138				4.682	(6+)	138
114SN 139				4.683		139
114SN 140				4.718		140
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114SN 141				4.732		141
114SN 142			4.736	10-		142
114SN 143				4.766		143
114SN 144				4.766		144
114SN 145				4.788		145
114SN 146				4.788		146
114SN 147				4.797		147
114SN 148				4.806		148
114SN 149				4.831		149
114SN 150				4.859		150
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114SN 151				4.909		151
114SN 152			4.916	10-		152
114SN 153			4.919	9-		153
114SN 154			4.924	9-		154
114SN 155				4.924		155
114SN 156				4.927		156
114SN 157				4.932		157
114SN 158			4.964	11-		158 0.30 PS 11
114SN 159				4.964		159
114SN 160				5.014		160
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114SN 161				5.039		161
114SN 162			5.055	9-		162
114SN 163				5.065		163
114SN 164				5.095	(10-)	164
114SN 165				5.103		165
114SN 166				5.120		166
114SN 167				5.124		167
114SN 168		5.182	12+			168 0.49 PS +21-14
114SN 169				5.182		169
114SN 170				5.191		170
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114SN 171		5.214	10+			171
114SN 172				5.214	(10)+	172
114SN 173				5.222	(11)-	173

114SN 174				5.222		174			
114SN 175				5.227		175			
114SN 176			5.234	10-		176	2.2 PS	6	
114SN 177				5.255	(8,10)+	177			
114SN 178				5.280		178			
114SN 179	5.299	11+				179	0.25 PS	11	
114SN 180				5.311	(8,10)+	180			
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114SN 181				5.349		181			
114SN 182				5.357	(8,10)+	182			
114SN 183				5.372		183			
114SN 184				5.419		184			
114SN 185				5.445		185			
114SN 186				5.468	(12-)	186			
114SN 187				5.488	(9,11-)	187			
114SN 188				5.500		188			
114SN 189				5.535		189			
114SN 190				5.539	(9,11)+	190			
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114SN 191	5.548	12+				191	0.42 PS	9	
114SN 192			5.554	11-		192	1.2 PS	4	
114SN 193				5.587		193			
114SN 194				5.597		194			
114SN 195				5.599		195			
114SN 196				5.628	(8,10)+	196			
114SN 197				5.700	(9,11-)	197			
114SN 198				5.707		198			
114SN 199				5.735	(9,11-)	199			
114SN 200	5.776	12+				200			
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114SN 201				5.777		201			
114SN 202				5.801		202			
114SN 203				5.835	(8,10)-	203			
114SN 204				5.857		204			
114SN 205				5.886		205			
114SN 206				5.892		206			
114SN 207	5.921	13+				207	1.4 PS	+14-7	
114SN 208			5.922	12-		208	1.05 PS	20	
114SN 209				5.956		209			
114SN 210				5.974	(12)+	210			
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114SN 211				5.977		211			
114SN 212				6.001		212			
114SN 213	6.046	14+				213	13.78 PS	8	
114SN 214				6.068		214			
114SN 215				6.132		215			
114SN 216				6.132		216			
114SN 217				6.135		217			
114SN 218				6.165		218			
114SN 219				6.174		219			

114SN 220				6.175		220		
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114SN 221				6.226		221		
114SN 222	6.266	14+				222		
114SN 223			6.279	13-		223	1.00 PS	24
114SN 224	6.342	14+				224	0.34 PS	8
114SN 225					6.460	(13)-		
114SN 226					6.496			
114SN 227					6.497	(14)+		
114SN 228					6.521			
114SN 229					6.551			
114SN 230	6.551	15+				230	3.62 PS	35
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114SN 231				6.552		231		
114SN 232				6.611		232		
114SN 233				6.691	(13)-	233		
114SN 234				6.698		234		
114SN 235			6.716	14-		235	0.57 PS	33
114SN 236					6.726			
114SN 237	6.926	16+				237		
114SN 238					7.115	(15-)	0.40 PS	10
114SN 239	7.205	16+				239	0.35 PS	4
114SN 240					7.205			
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114SN 241				7.300		241		
114SN 242				7.370		242		
114SN 243				7.377		243		
114SN 244				7.608	(16-)	244	0.24 PS	4
114SN 245				7.710		245		
114SN 246				7.870		246		
114SN 247				8.049	(17-)	247	0.21 PS	6
114SN 248				8.131		248		
114SN 249	8.143	18+				249	0.215 PS	28
114SN 250					8.194			
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114SN 251				8.300		251		
114SN 252				8.358		252		
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S-p	=	8.482	(	0.000)	-----			
114SN 253				8.587	(18-)	253	0.097 PS	35
114SN 254				8.645		254		
114SN 255				9.061	(19-)	255	0.118 PS	28
114SN 256	9.195	20+				256	0.152 PS	21
114SN 257				9.648	(20-)	257	0.12 PS	6

S-p = 8.482 ( 0.000)-----  
S-n = 10.303 ( 0.002)-----  
S-2p = 14.563 ( 0.000)-----  
S-2n = 18.047 ( 0.000)-----  
S-alpha= 2.637 ( 0.000)-----

S+p = -3.733 ( 0.016)  
S+n = -7.545 ( 0.000)  
S+2p = -9.282 ( 0.024)  
S+2n = -17.109 ( 0.000)  
S+alpha = 0.444 ( 0.018)

gap p = 4.749 ( 0.016)  
gap n = 2.758 ( 0.002)  
gap 2p = 5.281 ( 0.024)  
gap 2n = 0.938 ( 0.000)  
gap alpha = 3.081 ( 0.018)