

^{103}Rh $Z = 45$ $N = 58$ adopted link ENSDF link

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

BE = 884.172 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2
103RH 1			0.000	1/2-	1 STABLE
103RH 2	0.040	7/2+			2 56.114 M 9
103RH 3	0.093	9/2+			3 1.11 NS 3
103RH 4			0.295	3/2-	4 6.61 PS 18
103RH 5			0.357	5/2-	5 73 PS 2
103RH 6	0.537	5/2+			6 39 PS 12
103RH 7				0.607 (5/2+,7/2,9/2)	7
103RH 8	0.650	5/2+			8 0.1 NS LE
103RH 9				0.652 (3/2)+	9
103RH 10	0.658	11/2+			10
103RH 11				0.781 (9/2+)	11
103RH 12			0.803	1/2-	12 0.120 PS 19
103RH 13	0.821	13/2+			13
103RH 14			0.848	7/2-	14 1.9 PS 2
103RH 15			0.880	5/2-	15 2.2 PS 3
103RH 16				0.903 (11/2+)	16
103RH 17			0.920	9/2-	17 5.6 PS 3
103RH 18				1.078 (5/2+,7/2+)	18
103RH 19			1.107	5/2-	19
103RH 20				1.136 (1/2,3/2,5/2-)	20
103RH 21				1.252	21
103RH 22				1.257	22
103RH 23			1.277	3/2-	23 0.53 PS 36
103RH 24				1.294 (1/2-,3/2,5/2-)	24
103RH 25				1.327	25
103RH 26				1.345 (7/2+,9/2+)	26
103RH 27				1.349 (13/2+)	27
103RH 28				1.404	28
103RH 29				1.411 (3/2-,5/2-)	29
103RH 30				1.411 (3/2-,5/2-)	30
103RH 31				1.421	31
103RH 32				1.429	32
103RH 33				1.438	33
103RH 34				1.444	34
103RH 35				1.466	35
103RH 36				1.470	36
103RH 37				1.480	37
103RH 38				1.482	38

103RH	39					1.492		39
103RH	40					1.516		40

103RH	41	1.525	15/2+					41
103RH	42					1.531		42
103RH	43					1.580		43
103RH	44					1.600		44
103RH	45					1.605		45
103RH	46					1.611		46
103RH	47					1.614		47
103RH	48					1.626		48
103RH	49			1.638	13/2-			49
103RH	50					1.650		50

103RH	51					1.685		51
103RH	52					1.706		52
103RH	53					1.707		53
103RH	54	1.717	17/2+					54
103RH	55					1.732		55
103RH	56					1.774		56
103RH	57					1.778		57
103RH	58					1.812		58
103RH	59					1.842		59
103RH	60					1.852	(15/2+)	60

103RH	61					1.861		61
103RH	62					1.901		62
103RH	63					1.923		63
103RH	64					1.943		64
103RH	65					1.968		65
103RH	66					1.969		66
103RH	67					1.970		67
103RH	68					1.986		68
103RH	69					1.997		69
103RH	70					1.999		70

103RH	71					2.001		71
103RH	72					2.009		72
103RH	73					2.034		73
103RH	74					2.040		74
103RH	75					2.049		75
103RH	76					2.059		76
103RH	77					2.059		77
103RH	78					2.071		78
103RH	79					2.075		79
103RH	80					2.089		80

103RH	81					2.103		81
103RH	82					2.128		82
103RH	83					2.136		83

103RH 84				2.137		84
103RH 85				2.155		85
103RH 86				2.163		86
103RH 87				2.196		87
103RH 88				2.221	(15/2-)	88
103RH 89				2.235		89
103RH 90				2.290		90

103RH 91				2.306		91
103RH 92				2.319		92
103RH 93			2.345	17/2-		93
103RH 94				2.352		94
103RH 95				2.362		95
103RH 96			2.418	17/2-		96
103RH 97				2.419	(17/2+)	97
103RH 98				2.434		98
103RH 99				2.468		99
103RH 100				2.478		100

103RH 101				2.516		101
103RH 102				2.523	(17/2-)	102
103RH 103	2.526	19/2+				103
103RH 104			2.541	19/2-		104
103RH 105				2.544		105
103RH 106				2.585		106
103RH 107				2.594		107
103RH 108				2.604		108
103RH 109				2.620		109
103RH 110				2.645		110

103RH 111				2.666		111
103RH 112				2.680		112
103RH 113				2.695		113
103RH 114				2.698		114
103RH 115				2.703	(19/2-)	115
103RH 116				2.706		116
103RH 117	2.740	21/2+				117
103RH 118				2.747		118
103RH 119			2.753	21/2-		119
103RH 120				2.762		120

103RH 121				2.801		121
103RH 122				2.854		122
103RH 123				2.866		123
103RH 124				2.883	(19/2+)	124
103RH 125				2.911		125
103RH 126				2.919		126
103RH 127				2.919	(21/2-)	127
103RH 128				2.923		128
103RH 129				2.937	21/2	129

103RH 130			2.944		130

103RH 131			2.956		131
103RH 132			2.960		132
103RH 133			2.966		133
103RH 134			2.991		134
103RH 135		3.014	23/2-		135
103RH 136			3.028		136
103RH 137			3.056		137
103RH 138			3.082		138
103RH 139			3.108		139
103RH 140			3.114		140

S-alpha=	3.129	(0.002)	-----		
103RH 141			3.138		141
103RH 142			3.153		142
103RH 143			3.165		143
103RH 144			3.201		144
103RH 145		3.214	21/2-		145
103RH 146			3.219	(21/2+)	146
103RH 147			3.223		147
103RH 148			3.231	(23/2-)	148
103RH 149			3.242		149
103RH 150			3.277	23/2	150

103RH 151			3.288		151
103RH 152			3.296		152
103RH 153			3.315		153
103RH 154		3.330	25/2-		154
103RH 155			3.330		155
103RH 156			3.339		156
103RH 157			3.345		157
103RH 158			3.358		158
103RH 159			3.399	(23/2+)	159
103RH 160			3.401		160

103RH 161			3.411		161
103RH 162			3.435		162
103RH 163			3.440		163
103RH 164			3.449		164
103RH 165			3.462		165
103RH 166			3.488	(21/2+)	166
103RH 167			3.521		167
103RH 168			3.531		168
103RH 169			3.535		169
103RH 170			3.557		170

103RH 171			3.573		171
103RH 172			3.589		172
103RH 173			3.600		173

103RH 174				3.613		174
103RH 175				3.617		175
103RH 176				3.618	25/2	176
103RH 177				3.633	(25/2+)	177
103RH 178				3.652		178
103RH 179				3.660		179
103RH 180				3.673	(25/2)	180

103RH 181				3.691		181
103RH 182				3.708		182
103RH 183				3.728		183
103RH 184		3.771	27/2-			184
103RH 185				3.773		185
103RH 186				3.790		186
103RH 187				3.798		187
103RH 188				3.820		188
103RH 189				3.831		189
103RH 190	3.871	25/2+				190

103RH 191				3.890		191
103RH 192				3.904		192
103RH 193				3.916		193
103RH 194				3.936		194
103RH 195				3.942	(27/2+)	195
103RH 196				3.944		196
103RH 197				3.977		197
103RH 198				4.039	(25/2-)	198
103RH 199				4.324	(29/2+)	199
103RH 200				4.339	(29/2-)	200

103RH 201				4.488	(27/2+)	201
103RH 202				4.709	(31/2+)	202
103RH 203				4.832	(29/2+)	203
103RH 204	5.052	29/2+				204
103RH 205				5.200	(33/2+)	205
103RH 206				5.209	(31/2+)	206
103RH 207				5.659	(33/2+)	207
103RH 208				5.667	(35/2+)	208
103RH 209				6.104	(35/2+)	209
103RH 210				6.209	(37/2+)	210

S-p	=	6.214	(0.002)	-----		
103RH 211				6.571	(37/2+)	211
103RH 212				6.753	(39/2+)	212
103RH 213				7.116	(39/2+)	213
103RH 214				7.363	(41/2+)	214
103RH 215				7.999	(43/2+)	215

S-p = 6.214 (0.002)-----

S-n = 9.320 (0.007)-----
S-2p = 16.265 (0.024)-----
S-2n = 16.762 (0.006)-----
S-alpha= 3.129 (0.002)-----

S+p = -8.652 (0.003)
S+n = -6.999 (0.003)
S+2p = -13.617 (0.005)
S+2n = -15.962 (0.003)
S+alpha = -2.800 (0.003)

gap p = -2.438 (0.004)
gap n = 2.321 (0.008)
gap 2p = 2.648 (0.025)
gap 2n = 0.800 (0.007)
gap alpha = 0.329 (0.004)