

^{101}Rh $Z = 45$ $N = 56$ adopted link ENSDF link

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

BE = 867.410 (0.006) MeV

Qbeta+ = 0.546 (0.006) MeV

	Energy T	J+	J-	J-other	T1/2
101RH 1			0.000	1/2-	1 3.3 Y 3
101RH 2	0.157	9/2+			2 4.34 D 1
101RH 3	0.182	7/2+			3 1.91 NS 6
101RH 4				0.305 (3/2-)	4
101RH 5			0.355	5/2-	5
101RH 6				0.478 (5/2)+	6 68 PS 16
101RH 7	0.748	11/2+			7
101RH 8	0.748	7/2+			8 0.2 NS LE
101RH 9				0.851 (7/2-)	9
101RH 10	0.893	13/2+			10
101RH 11			0.899	9/2-	11
101RH 12				0.906 (5/2,7/2)+	12
101RH 13				0.977 (1/2-)	13
101RH 14				0.978 (7/2,9/2)+	14
101RH 15				0.996 3/2-,5/2-	15
101RH 16				1.036 (5/2)+	16
101RH 17				1.058 3/2-,5/2-	17
101RH 18				1.320 (3/2)	18
101RH 19	1.359	7/2+			19
101RH 20				1.383 3/2	20
101RH 21				1.464 (11/2+,13/2+)	21
101RH 22				1.471 5/2+,7/2+	22
101RH 23			1.531	1/2-	23
101RH 24				1.541 3/2-,5/2-	24
101RH 25			1.577	11/2-	25
101RH 26				1.604 (7/2-,9/2-)	26
101RH 27				1.605 (13/2-)	27
101RH 28				1.607	28
101RH 29				1.609 (15/2+)	29
101RH 30				1.640	30
101RH 31				1.696 3/2+,5/2+,7/2+	31
101RH 32				1.730	32
101RH 33				1.778 3/2-,5/2-	33
101RH 34				1.779 (17/2+)	34
101RH 35				1.789 5/2+,7/2+	35
101RH 36				1.821 5/2+,7/2+	36
101RH 37				1.843 (13/2-)	37

101RH 38				1.845		38
101RH 39				1.911	3/2-, 5/2-	39
101RH 40				1.935	3/2-, 5/2-	40

101RH 41				1.960	3/2-, 5/2-	41
101RH 42		1.997	1/2-			42
101RH 43				2.009	3/2-, 5/2-	43
101RH 44				2.038		44
101RH 45				2.075		45
101RH 46				2.087	(7/2-, 9/2-)	46
101RH 47				2.113	7/2-, 9/2-	47
101RH 48				2.146		48
101RH 49				2.166		49
101RH 50				2.188	3/2-, 5/2-	50

101RH 51				2.225	3/2-, 5/2-	51
101RH 52				2.242	7/2-, 9/2-	52
101RH 53				2.292	7/2-, 9/2-	53
101RH 54				2.328	7/2-, 9/2-	54
101RH 55				2.352		55
101RH 56				2.361		56
101RH 57				2.387	(17/2-)	57
101RH 58				2.455		58
101RH 59				2.492	3/2-, 5/2-	59
101RH 60				2.521	(7/2-, 9/2-)	60

101RH 61				2.577		61
101RH 62		2.586	19/2+			62

S-alpha= 2.613 (0.007)-----						
101RH 63				2.654		63
101RH 64				2.672	(17/2-)	64
101RH 65				2.781	(21/2+)	65
101RH 66		2.785	17/2-			66
101RH 67		2.931	19/2-			67
101RH 68		3.119	21/2-			68
101RH 69		3.248	21/2-			69
101RH 70		3.425	23/2-			70

101RH 71		3.530	23/2-			71
101RH 72		3.744	25/2-			72
101RH 73				3.763	(23/2-)	73
101RH 74				3.874	(25/2+)	74
101RH 75				3.890	(23/2+)	75
101RH 76		3.931	25/2-			76
101RH 77				3.994	(25/2-)	77
101RH 78				4.072	(25/2-)	78
101RH 79		4.237	27/2-			79
101RH 80		4.304	27/2-			80

101RH 81				4.384	(25/2+)	81

101RH 82						4.571		82
101RH 83				4.610		29/2-		83
101RH 84						4.773	(27/2+)	84
101RH 85				4.801		29/2-		85
101RH 86						4.825	(27/2+)	86
101RH 87		4.980		29/2+				87
101RH 88						5.197	(29/2+)	88
101RH 89				5.230		31/2-		89
101RH 90						5.234	(31/2-)	90

S-p = 5.474 (0.006)

101RH 91						5.627	(31/2+)	91
101RH 92				5.728		33/2-		92
101RH 93				5.846		33/2-		93
101RH 94						5.881	(31/2+)	94
101RH 95		6.083		33/2+				95
101RH 96						6.117	(33/2+)	96
101RH 97				6.310		35/2-		97
101RH 98						6.633	(35/2+)	98
101RH 99						6.706	(35/2+)	99
101RH 100				6.883		37/2-		100

101RH 101				6.994		37/2-		101
101RH 102						7.210	(37/2+)	102
101RH 103		7.213		37/2+				103
101RH 104				7.536		39/2-		104
101RH 105						7.840	(39/2+)	105
101RH 106				8.161		41/2-		106
101RH 107				8.288		41/2-		107
101RH 108						8.392	(41/2+)	108
101RH 109				8.926		43/2-		109
101RH 110						9.067	(43/2+)	110

101RH 111				9.465		45/2-		111
101RH 112				9.508		45/2-		112
101RH 113						9.648	(45/2+)	113

S-p = 5.474 (0.006)

S-n = 9.893 (0.019)

S-2p = 14.662 (0.006)

S-2n = 17.970 (0.020)

S-alpha = 2.613 (0.007)

S+p = -7.780 (0.006)

S+n = -7.442 (0.009)

S+2p = -11.968 (0.007)

S+2n = -16.762 (0.006)

S+alpha = -2.083 (0.007)

gap p = -2.306 (0.008)
gap n = 2.450 (0.021)
gap 2p = 2.694 (0.009)
gap 2n = 1.208 (0.021)
gap alpha = 0.529 (0.010)