

$^{113}\text{Rh}$        $Z = 45$        $N = 68$       adopted link      ENSDF link

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

BE = 955.620 ( 0.007) MeV

Qbeta- = 4.824 ( 0.010) MeV

	Energy T	J+	J-	J-other	T1/2	
113RH	1			0.000 (7/2+)	1	2.80 S 12
113RH	2			0.212 (9/2+)	2	0.21 NS 13
113RH	3			0.263 (3/2+)	3	0.38 NS 12
113RH	4			0.351 (5/2+)	4	
113RH	5			0.444 (11/2+)	5	
113RH	6			0.571 (11/2+)	6	
113RH	7			0.579 (7/2+)	7	
113RH	8			0.601 (3/2+)	8	0.66 NS 14
113RH	9			0.666 (1/2-)	9	
113RH	10			0.685 (13/2+)	10	
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113RH	11			0.785 (9/2+)	11	
113RH	12			0.785 (7/2-)	12	
113RH	13			0.787 (7/2+)	13	
113RH	14			0.823	14	
113RH	15			0.834 (5/2+)	15	
113RH	16			0.883	16	
113RH	17			0.912 (9/2+)	17	
113RH	18			0.936 (13/2+)	18	
113RH	19			0.968	19	
113RH	20			0.978	20	
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113RH	21			1.009	21	
113RH	22			1.034	22	
113RH	23			1.061	23	
113RH	24			1.071 (11/2+)	24	
113RH	25			1.076 (15/2+)	25	
113RH	26			1.138 (11/2+)	26	
113RH	27			1.206	27	
113RH	28			1.259 (9/2+)	28	
113RH	29			1.260	29	
113RH	30			1.284 (15/2+)	30	
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113RH	31			1.320 (17/2+)	31	
113RH	32			1.412 (17/2+)	32	
113RH	33			1.464	33	
113RH	34			1.485	34	
113RH	35			1.530	35	
113RH	36			1.674 (17/2+)	36	
113RH	37			1.775 (19/2+)	37	

113RH 38				1.843		38
113RH 39				1.909		39
113RH 40				1.946		40
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113RH 41				1.966		41
113RH 42				2.025	(19/2+)	42
113RH 43				2.038	(21/2+)	43
113RH 44				2.058	(9/2-)	44
113RH 45				2.122		45
113RH 46				2.133	(21/2+)	46
113RH 47				2.191		47
113RH 48				2.221		48
113RH 49				2.287		49
113RH 50				2.297		50
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113RH 51				2.368	(9/2-)	51
113RH 52				2.398	(21/2+)	52
113RH 53				2.418	(9/2-)	53
113RH 54				2.447	(23/2+)	54
113RH 55				2.470	(23/2+)	55
113RH 56				2.526		56
113RH 57				2.624		57
113RH 58				2.675		58
113RH 59				2.723	(25/2+)	59
113RH 60				2.777	(25/2+)	60
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113RH 61				3.091	(27/2+)	61
113RH 62				3.133	(27/2+)	62
113RH 63				3.335	(29/2+)	63
113RH 64				3.770	(31/2+)	64
113RH 65				4.006	(33/2+)	65

S-p = 10.425 ( 0.012)-----  
S-n = 7.107 ( 0.045)-----  
S-2p = 24.320 ( 0.013)-----  
S-2n = 12.606 ( 0.010)-----  
S-alpha= 6.909 ( 0.012)-----

S+p = -12.012 ( 0.010)  
S+n = -5.015 ( 0.072)  
S+2p = -20.794 ( 0.020)  
S+2n = -11.605 ( 0.010)  
S+alpha = -5.840 ( 0.015)

gap p = -1.587 ( 0.016)  
gap n = 2.093 ( 0.085)  
gap 2p = 3.527 ( 0.023)  
gap 2n = 1.001 ( 0.014)  
gap alpha = 1.069 ( 0.019)