

$^{91}\text{Rb}$        $Z = 37$        $N = 54$       adopted link      ENSDF link

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

BE = 783.288 ( 0.008) MeV

Qbeta- = 5.907 ( 0.010) MeV

	Energy T	J+	J-	J-other	T1/2
91RB 1				0.000 3/2(-)	1 58.2 S 3
91RB 2				0.109 (5/2-)	2 0.8 NS 3
91RB 3				0.502	3
91RB 4				0.507 LE7/2(-)	4 0.3 NS LT
91RB 5				0.556	5
91RB 6				0.662	6
91RB 7				0.722 (LE7/2-)	7 0.4 NS LT
91RB 8				1.134 (9/2+)	8 16.6 NS 6
91RB 9				1.137	9
91RB 10				1.178	10
91RB 11				1.211	11
91RB 12				1.268	12
91RB 13				1.304	13
91RB 14				1.324	14
91RB 15				1.402	15
91RB 16				1.502 3/2,5/2,7/2	16
91RB 17				1.548	17
91RB 18				1.615 3/2,5/2,7/2	18 0.5 NS LT
91RB 19				1.637	19
91RB 20				1.723	20
91RB 21				1.776	21
91RB 22				1.779	22
91RB 23				1.840 (13/2+)	23
91RB 24				1.975	24
91RB 25				2.003	25
91RB 26				2.037	26
91RB 27				2.090 3/2,5/2,7/2	27
91RB 28				2.196	28
91RB 29				2.377	29
91RB 30				2.382 3/2,5/2,7/2	30
91RB 31				2.490 3/2,5/2,7/2	31
91RB 32				2.559 3/2,5/2,7/2	32
91RB 33				2.593 3/2,5/2,7/2(-)	33
91RB 34				2.687 3/2,5/2,7/2	34
91RB 35				2.729 3/2,5/2,7/2	35
91RB 36				2.845 3/2,5/2,7/2	36
91RB 37				2.849	37

91RB 38				2.862	3/2(+) TO 7/2(+)	38)
91RB 39				2.902		39
91RB 40				2.920	3/2,5/2,7/2	40
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91RB 41				2.927		41
91RB 42				2.964	3/2,5/2,7/2	42
91RB 43				2.979	(17/2+)	43
91RB 44				2.980	3/2,5/2,7/2	44
91RB 45				3.002	3/2,5/2,7/2(-)	45
91RB 46				3.045		46
91RB 47				3.046	3/2,5/2,7/2	47
91RB 48				3.057	3/2,5/2,7/2	48
91RB 49				3.091	3/2,5/2,7/2	49
91RB 50				3.114	3/2,5/2,7/2(-)	50
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91RB 51				3.206	3/2,5/2,7/2	51
91RB 52				3.218		52
91RB 53				3.325	3/2,5/2,7/2(-)	53
91RB 54				3.349		54
91RB 55				3.573		55
91RB 56				3.688	3/2,5/2,7/2	56
91RB 57				3.878		57
91RB 58				3.910	3/2,5/2,7/2(-)	58
91RB 59				3.974	(3/2,5/2,7/2)	59
91RB 60				4.072		60
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91RB 61				4.097	(21/2+)	61
91RB 62				4.129	3/2,5/2,7/2(-)	62
91RB 63				4.200	(3/2,5/2,7/2)	63
91RB 64				4.212	3/2(+) TO 7/2(+)	64)
91RB 65				4.543	3/2(+) TO 7/2(+)	65)
91RB 66				4.546	(3/2+,5/2+,7/2+)	66
91RB 67				4.570	3/2(+) TO 7/2(+)	67)
91RB 68				4.570		68
91RB 69				4.684	3/2(+) TO 7/2(+)	69)
91RB 70				4.698		70
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91RB 71				5.298		71
91RB 72				6.239		72

S-p = 10.075 ( 0.008)-----  
S-n = 6.451 ( 0.010)-----  
S-2p = 24.049 ( 0.008)-----  
S-2n = 12.175 ( 0.010)-----  
S-alpha= 6.278 ( 0.008)-----

S+p = -12.411 ( 0.009)  
S+n = -5.099 ( 0.010)  
S+2p = -21.060 ( 0.013)

S+2n = -11.017 ( 0.011)  
S+alpha = -5.888 ( 0.010)

gap p = -2.336 ( 0.012)  
gap n = 1.352 ( 0.014)  
gap 2p = 2.989 ( 0.016)  
gap 2n = 1.158 ( 0.015)  
gap alpha = 0.391 ( 0.013)