

^{86}Rb $Z = 37$ $N = 49$ adopted link ENSDF link

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

BE = 747.933 (0.000) MeV

Qbeta- = 1.776 (0.000) MeV

Qbeta+ = 0.519 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
86RB 1			0.000	2-	1 18.642 D 18
86RB 2	0.488	1+			2 2.4 PS 3
86RB 3			0.556	6-	3 1.017 M 3
86RB 4				0.557 (3)-	4
86RB 5				0.780 (7)-	5
86RB 6				0.873 3-,4-	6
86RB 7				0.979 3-,4-	7
86RB 8				1.027 1+,2+,3+	8
86RB 9				1.033 (3,4)-	9
86RB 10				1.093 (5)-	10
86RB 11				1.106 (2,3)+	11
86RB 12				1.122 (LE 3)+	12
86RB 13				1.156 (0)+	13
86RB 14				1.196 (3,4)-	14
86RB 15			1.248	4-	15
86RB 16	1.305	3+			16
86RB 17				1.309	17
86RB 18				1.389 (3)+	18
86RB 19				1.412 4-,5-,6-	19
86RB 20				1.439 3-,4-	20
86RB 21				1.471 (2,3)+	21
86RB 22				1.502 (3)+	22
86RB 23				1.550 4-,5-,6-	23
86RB 24				1.559 (7+)	24
86RB 25				1.667 (1,2,3)+	25
86RB 26				1.684 (8+)	26
86RB 27				1.709 (1,2,3)+	27
86RB 28				1.738 (-)	28
86RB 29				1.761 (1)+	29
86RB 30				1.820 (3+,4,5-)	30
86RB 31				1.889 1+,2+,3+	31
86RB 32				1.901	32
86RB 33				1.917	33
86RB 34				1.926	34
86RB 35				1.953	35
86RB 36				2.025	36

86RB 37		2.093	1+						37
86RB 38						2.130	(-)		38
86RB 39						2.150	(1,2,3)+		39
86RB 40						2.180	(1+,2+,3+)		40

86RB 41						2.255	(5+,6+,7+)		41
86RB 42						2.266			42
86RB 43						2.282			43
86RB 44						2.299			44
86RB 45						2.332			45
86RB 46						2.352			46
86RB 47						2.369			47
86RB 48						2.403			48
86RB 49						2.417	(9+)		49 0.28 PS 7
86RB 50						2.437			50

86RB 51						2.462			51
86RB 52						2.476			52
86RB 53						2.508	(3+)		53
86RB 54						2.534	(1,2,3)+		54
86RB 55						2.570			55
86RB 56						2.586			56
86RB 57		2.598	1+						57
86RB 58						2.671	(1,2,3)+		58
86RB 59						2.719			59
86RB 60						2.766			60

86RB 61						2.810			61
86RB 62						2.828			62
86RB 63						2.850			63
86RB 64						2.890			64
86RB 65		2.951	1+						65
86RB 66						2.992	(2-)		66
86RB 67		3.113	1+						67
86RB 68						3.138	(9+)		68 0.55 PS 14
86RB 69		3.205	1+						69
86RB 70						3.242	(0-,1-,2-)		70

86RB 71						3.271			71
86RB 72						3.282	(10+)		72 0.69 PS 14
86RB 73		3.319	1+						73
86RB 74						3.412	(11+)		74 5.5 PS 14
86RB 75						3.445	(1)		75
86RB 76						3.510	(1+)		76
86RB 77						3.578	(10+)		77 0.28 PS +7-14
86RB 78						3.707			78
86RB 79						3.743	(12+)		79 1.32 PS 14
86RB 80						3.763	(1,2,3)+		80

86RB 81						3.824			81

86RB	82				3.866	(11+)	82	1.25	PS	35
86RB	83				3.896	(1+)	83			
86RB	84				4.078	(2-)	84			
86RB	85		4.221	1+			85			
86RB	86				4.266	(1,2,3)+	86			
86RB	87				4.548	(1,2,3)+	87			
86RB	88				4.717	(13+)	88	0.08	PS	+4-5
86RB	89				5.294	(12-)	89	0.35	PS	+7-14
86RB	90				5.557	(13-)	90	0.76	PS	+14-21

86RB	91				6.114	(14-)	91	0.28	PS	+7-14
86RB	92				6.456	(14+)	92	0.035	PS	+42-28
86RB	93				6.800	(15-)	93	0.21	PS	+7-14
86RB	94				7.413	(15)	94	0.42	PS	+7-14
S-alpha=	7.673	(0.001)	-----						
86RB	95				7.860	(16)	95	0.69	PS	+14-21
S-p	=	8.556	(0.002)	-----					
86RB	96				8.651	2-,3-	96			

S-p = 8.556 (0.002)-----
S-n = 8.651 (0.000)-----
S-2p = 19.542 (0.026)-----
S-2n = 19.131 (0.002)-----
S-alpha= 7.673 (0.001)-----

S+p = -9.422 (0.000)
S+n = -9.922 (0.000)
S+2p = -16.130 (0.002)
S+2n = -16.005 (0.000)
S+alpha = -6.175 (0.000)

gap p = -0.867 (0.002)
gap n = -1.271 (0.000)
gap 2p = 3.412 (0.026)
gap 2n = 3.126 (0.002)
gap alpha = 1.498 (0.001)