

^{85}Rb $Z = 37$ $N = 48$ adopted link ENSDF link

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

BE = 739.282 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
85RB 1			0.000	5/2-	1 STABLE
85RB 2			0.151	3/2-	2 0.71 NS 5
85RB 3			0.281	1/2-	3 40 PS 3
85RB 4	0.514	9/2+			4 1.015 US 1
85RB 5			0.732	3/2-	5 4.4 PS 4
85RB 6			0.869	7/2-	6 2.5 PS 3
85RB 7			0.886	1/2-	7 0.78 PS +17-10
85RB 8				0.920 (3/2,5/2)-	8 0.46 PS 4
85RB 9	0.951	5/2+			9 2.8 PS 6
85RB 10				1.176 (5/2-)	10 0.66 PS 13
85RB 11				1.293 (13/2)+	11 8.4 PS 10
85RB 12				1.296 1/2-,3/2-	12 0.17 PS 9
85RB 13				1.384 5/2-,7/2-	13 1.0 PS 5
85RB 14				1.445 (9/2-)	14
85RB 15				1.449 (5/2+,7/2+)	15
85RB 16				1.496 (1/2)-	16 0.35 PS +28-21
85RB 17				1.631 (5/2)-	17 0.35 PS +21-14
85RB 18				1.669 1/2,3/2,5/2-	18 0.18 PS 11
85RB 19				1.748 (11/2+,13/2+)	19
85RB 20				1.787 (5/2+)	20
85RB 21			1.792	1/2-	21 0.12 PS LE
85RB 22				1.802 (9/2+,11/2+,13/2	22+)
85RB 23				1.853 (3/2,5/2+)	23
85RB 24				1.891	24
85RB 25				1.930 1/2,3/2,5/2-	25 0.10 PS LE
85RB 26				1.950 (1/2)-	26 0.3 PS 3
85RB 27				2.000 (1/2-)	27
85RB 28				2.028 (1/2-:7/2-)	28 0.9 PS 4
85RB 29				2.039 (1/2,3/2,5/2-)	29
85RB 30				2.053 7/2+,9/2+	30
85RB 31				2.083 (11/2-)	31
85RB 32				2.088 1/2,3/2,5/2-	32 0.3 PS LE
85RB 33				2.121 (11/2+)	33
85RB 34				2.202 1/2-,3/2-	34 0.3 PS +3-2
85RB 35				2.239 (5/2-:11/2-)	35
85RB 36				2.304	36
85RB 37				2.364 (13/2+)	37
85RB 38				2.374 1/2-,3/2-	38 0.07 PS +28-7

85RB	39					2.477	(17/2)+	39	0.76 PS	+21-14
85RB	40					2.511	(13/2-)	40		

85RB	41					2.514	7/2+,9/2+	41		
85RB	42					2.602	1/2-,3/2-	42		
85RB	43					2.623	(11/2+)	43		
85RB	44					2.659	(11/2+)	44		
85RB	45					2.686	(15/2+)	45		
85RB	46					2.730	3/2+,5/2+	46		
85RB	47		2.801	1/2+				47		
85RB	48					2.827	(19/2)-	48	12.5 NS	6
85RB	49					2.844	(15/2-)	49		
85RB	50		2.948	1/2+				50		

85RB	51					2.981	(15/2-)	51		
85RB	52					3.017	(17/2-)	52		
85RB	53					3.024	3/2+,5/2+	53		
85RB	54					3.042	(15/2-)	54		
85RB	55					3.055	(21/2-)	55	69 PS	GT
85RB	56					3.073	(17/2:21/2+)	56		
85RB	57					3.148	3/2+,5/2+	57		
85RB	58					3.198	(17/2-)	58		
85RB	59					3.200	3/2+,5/2+	59		
85RB	60					3.203	(17/2+)	60		

85RB	61					3.310	(1/2-,3/2-)	61		
85RB	62					3.398	1/2-,3/2-	62		
85RB	63					3.491	(21/2+)	63	5.5 PS	14
85RB	64					3.541	3/2+,5/2+	64		
85RB	65					3.563	(19/2)	65		
85RB	66					3.598	3/2+,5/2+	66		
85RB	67					3.656	1/2+&3/2+,5/2+	67		
85RB	68		3.698	1/2+				68		
85RB	69					3.717	(23/2,25/2)	69		
85RB	70					3.813	(19/2-)	70		

85RB	71					3.886	3/2+,5/2+	71		
85RB	72		3.981	1/2+				72		
85RB	73					4.039	3/2+,5/2+	73		
85RB	74					4.117	3/2+,5/2+	74		
85RB	75					4.135	(23/2+)	75	0.069 PS	28
85RB	76					4.154	(3/2+,5/2+)	76		
85RB	77					4.195	(5/2-,7/2-)	77		
85RB	78					4.220	(1/2+)	78		
85RB	79					4.311	(21/2-)	79		
85RB	80					4.343	3/2+,5/2+	80		

85RB	81					4.357	(21/2-)	81	0.28 PS	7
85RB	82					4.380	(25/2:29/2)	82		
85RB	83					4.484	3/2+,5/2+	83		

85RB 84					4.575	3/2+,5/2+	84		
85RB 85		4.631	1/2+				85		
85RB 86					4.729	1/2-,3/2-	86		
85RB 87					4.756	3/2+,5/2+	87		
85RB 88					4.757	(25/2+)	88	0.21 PS	7
85RB 89					4.847		89		
85RB 90					4.861	3/2+,5/2+	90		

85RB 91		4.913	1/2+				91		
85RB 92					4.940		92	0.49 PS	LE
85RB 93					5.013	3/2+,5/2+	93		
85RB 94					5.074	3/2+,5/2+	94		
85RB 95					5.127	3/2+,5/2+	95		
85RB 96		5.186	1/2+				96		
85RB 97					5.245	3/2+,5/2+	97		
85RB 98					5.312	(25/2+)	98	0.28 PS	+28-14
85RB 99					5.367	(3/2+,5/2+)	99		
85RB 100					5.419	(27/2+)	100	7 PS	GT

85RB 101					5.444	3/2+,5/2+	101		
85RB 102		5.516	1/2+				102		
85RB 103					5.563	(3/2+,5/2+)	103		
85RB 104					5.612	(29/2+)	104	3.5 PS	+14-7
85RB 105					5.643	(3/2+,5/2+)	105		
85RB 106					5.668	3/2+,5/2+	106		
85RB 107					5.719	(1/2-,3/2-)	107		
85RB 108					5.815	(3/2+,5/2+)	108		
85RB 109					5.996	(3/2+,5/2+)	109		
85RB 110		6.065	1/2+				110		

85RB 111					6.185	3/2+,5/2+	111		
85RB 112					6.336	(31/2+)	112	0.14 PS	7
S-alpha=		6.615	(0.001)	-----					
S-p =		7.017	(0.000)	-----					
85RB 113					7.107	(33/2+)	113	0.042 PS	+35-21

S-p =		7.017	(0.000)	-----					
S-n =		10.480	(0.002)	-----					
S-2p =		17.732	(0.004)	-----					
S-2n =		19.239	(0.002)	-----					
S-alpha=		6.615	(0.001)	-----					

S+p =		-9.645	(0.000)	-----					
S+n =		-8.651	(0.000)	-----					
S+2p =		-15.429	(0.001)	-----					
S+2n =		-18.573	(0.000)	-----					
S+alpha =		-7.969	(0.000)	-----					

gap p =		-2.628	(0.000)	-----					

gap n = 1.829 (0.002)
gap 2p = 2.302 (0.004)
gap 2n = 0.666 (0.002)
gap alpha = -1.354 (0.001)