^{85}Rb(n,n),(n,γ):resonances 2006MuZX

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Alexandru Negret, Balraj Singh	NDS 124, 1 (2015)	30-Nov-2014

2006MuZX: Evaluation of neutron resonances.
Original references: 1984Oh05 (E(n)<18.5 keV), 1973Mu20 (E(n)=18-28 keV), 1958Go01 (E(n)=3-9 keV), 1954Ne02 (E(n)=0.97 keV).
J^π(^{85}Rb g.s.)=5/2$^-$.

^{86}Rb Levels

E(level)[†]	J^π	L	Comments
8649.5? *2*	(3)$^-$	0	Fictitious level. E_n(lab)=−1.545 keV. Γ_γ=(250) meV, $2g\Gamma_n^0$=1006.2 meV.
8651.17 *20*	$^+$	1	E_n(lab)=175.6 *1* eV. $2g\Gamma_n$=1.17 *11* meV, $2g\Gamma_n^1$=296 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=0.5 *1* meV.
8651.22 *20*	$^+$	1	E_n(lab)=223.2 *1* eV. $2g\Gamma_n$=1.05 *12* meV, $2g\Gamma_n^1$=185 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=0.7 *1* meV.
8651.23 *20*		[0]	E_n(lab)=235.0 *1* eV. $2g\Gamma_n$=15.6 *15* meV, $2g\Gamma_n^0$=1.02 *10* meV $g\Gamma_n\Gamma_\gamma/\Gamma$=5.8 *1* meV.
8651.42 *20*	$^+$	1	E_n(lab)=427.1 *2* eV. $2g\Gamma_n$=3.40 *33* meV, $2g\Gamma_n^1$=220 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=1.7 *1* meV.
8651.46 *20*	$^+$	1	E_n(lab)=461.0 *2* eV. $2g\Gamma_n$=3.4 *3* meV, $2g\Gamma_n^1$=202 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=1.8 *1* meV.
8651.47 *20*	[2]$^-$	0	E_n(lab)=474.0 *2* eV. $2g\Gamma_n$=48 *3* meV, $2g\Gamma_n^0$=2.20 *12* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=19.6 *1* meV.
8651.52 *20*	3$^-$	0	E_n(lab)=526.7 *2* eV. $2g\Gamma_n$=1.63 *3* eV, Γ_γ=239 *3* meV, $2g\Gamma_n^0$=71.2 *12* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=119.0 *4* meV.
8651.54 *20*	$^+$	1	E_n(lab)=542.7 *2* eV. $2g\Gamma_n$=13.0 *14* meV, $2g\Gamma_n^1$=610 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=4.2 *1* meV.
8651.59 *20*	$^+$	1	E_n(lab)=593.2 *2* eV. $2g\Gamma_n$=7.3 *10* meV, $2g\Gamma_n^1$=297 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=3.6 *1* meV.
8651.65 *20*	[2]$^-$	0	E_n(lab)=654.9 *2* eV. $2g\Gamma_n$=292 *15* meV, Γ_γ=258 *11* meV, $2g\Gamma_n^0$=11.4 *6* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=61.9 *2* meV.
8651.77 *20*	$^+$	1	E_n(lab)=781.2 *2* eV. $2g\Gamma_n$=1.6 *2* meV, $2g\Gamma_n^1$=43 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=0.8 *1* meV.
8651.79 *20*	$^+$	1	E_n(lab)=799.1 *2* eV. $2g\Gamma_n$=20.4 *17* meV, $2g\Gamma_n^1$=532 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=9.0 *1* meV.
8651.99 *20*	$^-$	0	E_n(lab)=1007.0 *3* eV. $2g\Gamma_n$=133 *13* meV, $2g\Gamma_n^0$=4.2 *4* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=42.3 *1* meV.
8652.00 *20*	$^+$	1	E_n(lab)=1010.0 *3* eV. $2g\Gamma_n$=11.7 *21* meV, $2g\Gamma_n^1$=215 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=5.6 *1* meV.
8652.02 *20*	$^+$	1	E_n(lab)=1030.0 *3* eV. $2g\Gamma_n$=2.8 *2* meV, $2g\Gamma_n^1$=50 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=1.4 *1* meV.
8652.03 *20*	[3]$^-$	0	E_n(lab)=1042.0 *3* eV. $2g\Gamma_n$=0.89 *7* eV, Γ_γ=215 *4* meV, $2g\Gamma_n^0$=27.6 *22* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=97.85 meV.
8652.17 *20*	$^+$	1	E_n(lab)=1181.0 *3* eV. $2g\Gamma_n$=3.04 *20* meV, $2g\Gamma_n^1$=44 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=1.5 *1* meV.
8652.19 *20*	3$^-$	0	E_n(lab)=1203.0 *4* eV. $2g\Gamma_n$=1.46 *3* eV, Γ_γ=220 *3* meV, $2g\Gamma_n^0$=42.1 *9* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=109.3 *7* meV.
8652.23 *20*	$^+$	1	E_n(lab)=1241.0 *4* eV. $2g\Gamma_n$=3.0 *2* meV, $2g\Gamma_n^1$=40 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=1.5 *1* meV.
8652.24 *20*	$^+$	1	E_n(lab)=1250.0 *4* eV. $2g\Gamma_n$=2.8 *2* meV, $2g\Gamma_n^1$=37 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=1.4 *1* meV.
8652.39 *20*	3$^-$	0	E_n(lab)=1408.0 *4* eV. $2g\Gamma_n$=6.07 *15* eV, Γ_γ=212 *2* meV, $2g\Gamma_n^0$=162 *4* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=119.0 *9* meV.
8652.44 *20*	$^+$	1	E_n(lab)=1456.0 *4* eV. $2g\Gamma_n$=1.8 *2* meV, $2g\Gamma_n^1$=19 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=0.9 *1* meV.
8652.49 *20*	$^-$	0	E_n(lab)=1506.0 *4* eV. $2g\Gamma_n$=132 *16* meV, $2g\Gamma_n^0$=3.4 *4* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=51.2 *2* meV.
8652.65 *20*	3$^-$	0	E_n(lab)=1670.0 *5* eV. $2g\Gamma_n$=0.51 *5* eV, Γ_γ=232 *16* meV, $2g\Gamma_n^0$=12.5 *12* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=87.3 *14* meV.
8652.66 *20*	$^+$	1	E_n(lab)=1677.0 *5* eV. $2g\Gamma_n$=10.8 *17* meV, $2g\Gamma_n^1$=93 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=5.2 *1* meV.
8652.89 *20*	$^+$	1	E_n(lab)=1915.0 *6* eV. $2g\Gamma_n$=35 *4* meV, $2g\Gamma_n^1$=246 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=11.4 *1* meV.
8652.94 *20*	$^+$	1	E_n(lab)=1964.0 *6* eV. $2g\Gamma_n$=5.3 *3* meV, $2g\Gamma_n^1$=360 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=2.6 *1* meV.
8652.96 *20*	3$^-$	0	E_n(lab)=1984.0 *6* eV. $2g\Gamma_n$=1.38 *9* eV, Γ_γ=184 *4* meV, $2g\Gamma_n^0$=31 *2* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=92.9 *6* meV.
8653.02 *20*	$^+$	1	E_n(lab)=2041.0 *6* eV. $2g\Gamma_n$=7.0 *5* meV, $2g\Gamma_n^1$=45 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=3.4 *1* meV.
8653.06 *20*	3$^-$	0	E_n(lab)=2082.0 *6* eV. $2g\Gamma_n$=0.42 *4* eV, Γ_γ=241 *19* meV, $2g\Gamma_n^0$=9.3 *8* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=84.6 *10* meV.
8653.14 *20*	$^+$	1	E_n(lab)=2161.0 *7* eV. $2g\Gamma_n$=37 *4* meV, $2g\Gamma_n^1$=217 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=12.7 *1* meV.
8653.19 *20*	$^+$	1	E_n(lab)=2213.0 *7* eV. $2g\Gamma_n$=37 *4* meV, $2g\Gamma_n^1$=209 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=16.5 *2* meV.
8653.21 *20*	$^+$	1	E_n(lab)=2241.0 *7* eV. $2g\Gamma_n$=4.3 *2* meV, $2g\Gamma_n^1$=24 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=2.1 *1* meV.
8653.26 *20*	$^+$	1	E_n(lab)=2282.0 *7* eV. $2g\Gamma_n$=25 *1* meV, $2g\Gamma_n^1$=135 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=11.3 *1* meV.
8653.27 *20*	$^+$	1	E_n(lab)=2293.0 *7* eV. $2g\Gamma_n$=63 *6* meV, $2g\Gamma_n^1$=339 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=31.9 *2* meV.
8653.37 *20*	3$^-$	0	E_n(lab)=2398.0 *7* eV. $2g\Gamma_n$=7.71 *15* eV, Γ_γ= 231 *2* meV, $2g\Gamma_n^0$=158 *3* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=128.0 *6* meV.
8653.47 *20*	[2]$^-$	0	E_n(lab)=2503.0 *7* eV. $2g\Gamma_n$=0.44 *3* eV, Γ_γ=251 *9* meV, $2g\Gamma_n^0$=8.7 *6* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=70.4 *8* meV.

^{85}Rb(n,n),(n,γ):resonances 2006MuZX (continued)

^{86}Rb Levels (continued)

E(level)†	Jπ	L	Comments
8653.55 *20*	3−	0	E_n(lab)=2583.0 *8* eV. $2g\Gamma_n$=1.84 *10* eV, Γ_γ=190 *2* meV, $2g\Gamma_n^0$=36.2 *20* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=98.8 *8* meV.
8653.61 *20*	+	1	E_n(lab)=2640.0 *8* eV. $2g\Gamma_n$=12.2 *24* meV, $2g\Gamma_n^1$=53 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=5.8 *2* meV.
8653.62 *20*	+	1	E_n(lab)=2653.0 *8* eV. $2g\Gamma_n$=69 *3* meV, $2g\Gamma_n^1$=298 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=34.5 *4* meV.
8653.63 *20*	+	1	E_n(lab)=2663.0 *8* eV. $2g\Gamma_n$=6.4 *4* meV, $2g\Gamma_n^1$=28 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=3.1 *1* meV.
8653.74 *20*	+	1	E_n(lab)=2776.0 *8* eV. $2g\Gamma_n$=0.9 *8* eV, $2g\Gamma_n^1$=364 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=35.0 *4* meV.
8653.88 *20*	+	1	E_n(lab)=2916.0 *8* eV. $2g\Gamma_n$=81 *8* meV, $2g\Gamma_n^1$=304 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=27.9 *2* meV.
8653.95 *20*	+	1	E_n(lab)=2985.0 *9* eV. $2g\Gamma_n$=40 *9* meV, $2g\Gamma_n^1$=145 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=17.2 *3* meV.
8653.96 *20*	3−	0	E_n(lab)=2994.0 *9* eV. $2g\Gamma_n$=3.31 *20* eV, Γ_γ=232 *2* meV, $2g\Gamma_n^0$=61 *4* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=123.2 *6* meV.
8653.97 *20*	3−	0	E_n(lab)=3008.0 *9* eV. $2g\Gamma_n$=2.18 *10* eV, Γ_γ=151 *3* meV, $2g\Gamma_n^0$=39.8 *18* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=81.4 *6* meV.
8653.98 *20*	+	1	E_n(lab)=3020.0 *9* eV. $2g\Gamma_n$=72 *5* meV, $2g\Gamma_n^1$=260 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=28.5 *3* meV.
8654.12 *20*	+	1	E_n(lab)=3161.0 *9* eV. $2g\Gamma_n$=11.9 *22* meV, $2g\Gamma_n^1$=40 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=5.7 *2* meV.
8654.17 *20*	[2]−	0	E_n(lab)=3210.0 *10* eV. $2g\Gamma_n$=2.38 *23* eV, Γ_γ=226 *4* meV, $2g\Gamma_n^0$=42 *4* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=93.3 *12* meV.
8654.20 *20*	+	1	E_n(lab)=3246.0 *10* eV. $2g\Gamma_n$=29 *3* meV, $2g\Gamma_n^1$=93 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=13.1 *3* meV.
8654.30 *20*	−	0	E_n(lab)=3335.0 *10* eV. $2g\Gamma_n$=0.67 *7* eV, Γ_γ=277 *17* meV, $2g\Gamma_n^0$=11.6 *12* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=130.2 *12* meV.
8654.39 *20*	+	1	E_n(lab)=3426.0 *11* eV. $2g\Gamma_n$=145 *12* meV, $2g\Gamma_n^1$=428 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=48.2 *3* meV.
8654.51 *20*	+	1	E_n(lab)=3549.0 *11* eV. $2g\Gamma_n$=95 *12* meV, $2g\Gamma_n^1$=265 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=46.2 *3* meV.
8654.54 *20*	+	1	E_n(lab)=3577.0 *11* eV. $2g\Gamma_n$=120 *12* meV, $2g\Gamma_n^1$=332 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=42.1 *3* meV.
8654.59 *20*	+	1	E_n(lab)=3633.0 *12* eV. $2g\Gamma_n$=84 *12* meV, $2g\Gamma_n^1$=227 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=31.0 *3* meV.
8654.63 *20*	+	1	E_n(lab)=3675.0 *12* eV. $2g\Gamma_n$=34 *2* meV, $2g\Gamma_n^1$=90 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=15.1 *5* meV.
8654.66 *20*	+	1	E_n(lab)=3704.0 *12* eV. $2g\Gamma_n$=8.0 *11* meV, $2g\Gamma_n^1$=21 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=3.9 *4* meV.
8654.67 *20*	+	1	E_n(lab)=3712.0 *12* eV. $2g\Gamma_n$=8.3 *10* meV, $2g\Gamma_n^1$=22 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=4.0 *3* meV.
8654.81 *20*	+	1	E_n(lab)=3854.0 *12* eV. $2g\Gamma_n$=82 *4* meV, $2g\Gamma_n^1$=203 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=31.3 *7* meV.
8654.97 *20*	+	1	E_n(lab)=4015.0 *13* eV. $2g\Gamma_n$=74 *4* meV, $2g\Gamma_n^1$=172 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=28.8 *18* meV.
8654.97 *20*	[2]−	0	E_n(lab)=4021.0 *13* eV. $2g\Gamma_n$=4.2 *4* eV, Γ_γ=198 *4* meV, $2g\Gamma_n^0$=66 *6* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=79.2 *17* meV.
8654.98 *20*	+	1	E_n(lab)=4030.0 *13* eV. $2g\Gamma_n$=46 *3* meV, $2g\Gamma_n^1$=106 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=19.6 *11* meV.
8655.08 *20*	+	1	E_n(lab)=4124.0 *14* eV. $2g\Gamma_n$=23.7 *12* meV, $2g\Gamma_n^1$=53 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=10.9 *7* meV.
8655.16 *20*	[2]−	0	E_n(lab)=4211.0 *14* eV. $2g\Gamma_n$=6.7 *5* eV, Γ_γ=246 *10* meV, $2g\Gamma_n^0$=103 *8* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=99.5 *15* meV.
8655.22 *20*	+	1	E_n(lab)=4267.0 *14* eV. $2g\Gamma_n$=69 *4* meV, $2g\Gamma_n^1$=147 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=27.5 *7* meV.
8655.24 *20*	+	1	E_n(lab)=4295.0 *14* eV. $2g\Gamma_n$=3.7 *6* meV, $2g\Gamma_n^1$=7.8 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=1.8 *3* meV.
8655.27 *20*	+	1	E_n(lab)=4323.0 *14* eV. $2g\Gamma_n$=95 *6* meV, $2g\Gamma_n^1$=198 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=35.0 *4* meV.
8655.31 *20*	+	1	E_n(lab)=4367.0 *14* eV. $2g\Gamma_n$=117 *10* meV, $2g\Gamma_n^1$=2.4 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=40.7 *11* meV.
8655.32 *20*	+	1	E_n(lab)=4347.0 *14* eV. $2g\Gamma_n$=87 *5* meV, $2g\Gamma_n^1$=178 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=32.7 *9* meV.
8655.44 *20*	+	1	E_n(lab)=4496.0 *15* eV. $2g\Gamma_n$=67 *13* meV, $2g\Gamma_n^1$=132 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=36.5 *10* meV.
8655.46 *20*	+	1	E_n(lab)=4508.0 *15* eV. $2g\Gamma_n$=47.0 *24* meV, $2g\Gamma_n^1$=92 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=20.1 *8* meV.
8655.51 *20*	+	1	E_n(lab)=4562.0 *15* eV. $2g\Gamma_n$=23 *3* meV, $2g\Gamma_n^1$=44 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=10.5 *5* meV.
8655.62 *20*	+	1	E_n(lab)=4671.0 *15* eV. $2g\Gamma_n$=34.5 *15* meV, $2g\Gamma_n^1$=64 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=15.2 *5* meV.
8655.64 *20*	+	1	E_n(lab)=4694.0 *16* eV. $2g\Gamma_n$=144 *14* meV, $2g\Gamma_n^1$=266 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=48.3 *8* meV.
8655.67 *20*	+	1	E_n(lab)=4723.0 *16* eV. $2g\Gamma_n$=13 *3* meV, $2g\Gamma_n^1$=23 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=6.1 *7* meV.
8655.68 *20*	+	1	E_n(lab)=4731.0 *16* eV. $2g\Gamma_n$=47 *3* meV, $2g\Gamma_n^1$=86 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=19.8 *7* meV.
8655.69 *20*	+	1	E_n(lab)=4745.0 *16* eV. $2g\Gamma_n$=23.5 *11* meV, $2g\Gamma_n^1$=43 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=10.8 *5* meV.
8655.78 *20*	+	1	E_n(lab)=4836.0 *17* eV. $2g\Gamma_n$=112 *11* meV, $2g\Gamma_n^1$=119.7 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=42.8 *9* meV.
8655.82 *20*	[3]−	0	E_n(lab)=4877.0 *17* eV. $2g\Gamma_n$=10.1 *6* eV, Γ_γ=267 *13* meV, $2g\Gamma_n^0$=145 *8* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=151.2 *1* meV.
8655.83 *20*	+	1	E_n(lab)=4885.0 *17* eV. $2g\Gamma_n$=66 *3* meV, $2g\Gamma_n^1$=115 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=26.3 *11* meV.
8655.85 *20*	+	1	E_n(lab)=4903.0 *17* eV. $2g\Gamma_n$=150 *20* meV, $2g\Gamma_n^1$=259 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=47.5 *10* meV.
8655.94 *20*	[2]−	0	E_n(lab)=5001.0 *17* eV. $2g\Gamma_n$=0.85 *10* eV, Γ_γ=0.25 *12* meV, $2g\Gamma_n^0$=12.0 *14* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=90.1 *5* meV.
8656.02 *20*	+	1	E_n(lab)=5084.0 *17* eV. $2g\Gamma_n$=62 *3* meV, $2g\Gamma_n^1$=102 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=25.2 *9* meV.
8656.05 *20*	+	1	E_n(lab)=5106.0 *17* eV. $2g\Gamma_n$=8 *8* meV, $2g\Gamma_n^1$=13 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=3.9 *6* meV.
8656.07 *20*	+	1	E_n(lab)=5131.0 *17* eV. $2g\Gamma_n$=143 *10* meV, $2g\Gamma_n^1$=231 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=45.6 *13* meV.
8656.09 *20*	[3]−	0	E_n(lab)=5149.0 *18* eV. $2g\Gamma_n$=2.38 *10* eV, Γ_γ=222 *11* meV, $2g\Gamma_n^0$=33.2 *14* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=117 *3*

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^{85}Rb(n,n),(n,γ):resonances 2006MuZX (continued)

^{86}Rb Levels (continued)

E(level)[†]	Jπ	L	Comments
			meV.
8656.11 *20*	[2]⁻	0	E_n(lab)=5172.0 *18* eV. $2g\Gamma_n$=0.99 *10* eV, Γ_γ=241 *12* meV, $2g\Gamma^0_n$=13.8 *14* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=83.4 *4*

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^{85}Rb(n,n),(n,γ):resonances 2006MuZX (continued)

^{86}Rb Levels (continued)

E(level)†	Jπ	L	Comments
			meV.
8656.22 *20*	+	1	E_n(lab)=5287.0 *18* eV. $2g\Gamma_n$=54 *4* meV, $2g\Gamma_n^1$=83 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=22.5 *10* meV.
8656.26 *20*	[1]+	1	E_n(lab)=5319.0 *18* eV. $2g\Gamma_n$=0.22 *3* eV, $2g\Gamma_n^1$=335 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=31.7 *10* meV.
8656.30 *20*	+	1	E_n(lab)=5364.0 *18* eV. $2g\Gamma_n$=75 *4* meV, $2g\Gamma_n^1$=114 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=29.3 *10* meV.
8656.32 *20*	+	1	E_n(lab)=5387.0 *18* eV. $2g\Gamma_n$=51 *2* meV, $2g\Gamma_n^1$=77 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=21.1 *9* meV.
8656.34 *20*	+	1	E_n(lab)=5407.0 *18* eV. $2g\Gamma_n$=32 *2* meV, $2g\Gamma_n^1$=48 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=14.2 *7* meV.
8656.43 *20*	+	1	E_n(lab)=5497.0 *19* eV. $2g\Gamma_n$=56 *3* meV, $2g\Gamma_n^1$=82 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=23 *1* meV.
8656.44 *20*	+	1	E_n(lab)=5509.0 *19* eV. $2g\Gamma_n$=8.1 *14* meV, $2g\Gamma_n^1$=12 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=3.9 *7* meV.
8656.48 *20*	+	1	E_n(lab)=5546.0 *19* eV. $2g\Gamma_n$=128 *15* meV, $2g\Gamma_n^1$=184 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=38.0 *13* meV.
8656.53 *20*	[3]−	0	E_n(lab)=5599.0 *20* eV. $2g\Gamma_n$=3.25 *20* eV, Γ_γ=190 *10* meV, $2g\Gamma_n^0$=43 *3* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=104 *3* meV.
8656.64 *20*	+	1	E_n(lab)=5709.0 *20* eV. $2g\Gamma_n$=166 *15* meV, $2g\Gamma_n^1$=229 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=65.8 *18* meV.
8656.67 *20*	[3]−	0	E_n(lab)=5734.0 *20* eV. $2g\Gamma_n$=0.94 *9* eV, Γ_γ=383 *20* meV, $2g\Gamma_n^0$=12.4 *12* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=151.6 *25* meV.
8656.75 *20*	+	1	E_n(lab)=5822.0 *20* eV. $2g\Gamma_n$=55 *5* meV, $2g\Gamma_n^1$=74 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=22.9 *12* meV.
8656.80 *20*	[2]−	0	E_n(lab)=5869.0 *21* eV. $2g\Gamma_n$=5.1 *5* eV, Γ_γ=0.28 *4* eV, $2g\Gamma_n^0$=67 *6* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=110.0 *2* meV.
8656.85 *20*	+	1	E_n(lab)=5923.0 *21* eV. $2g\Gamma_n$=0.33 *9* eV, $2g\Gamma_n^1$=430 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=73.5 *18* meV.
8656.88 *20*	+	1	E_n(lab)=5949.0 *21* eV. $2g\Gamma_n$=41 *6* meV, $2g\Gamma_n^1$=53 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=17.9 *10* meV.
8657.05 *20*	+	1	E_n(lab)=6123.0 *21* eV. $2g\Gamma_n$=44 *6* meV, $2g\Gamma_n^1$=55 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=18.8 *11* meV.
8657.10 *20*	+	1	E_n(lab)=6176.0 *22* eV. $2g\Gamma_n$=136 *16* meV, $2g\Gamma_n^1$=166 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=50.3 *17* meV.
8657.13 *20*	+	1	E_n(lab)=6200.0 *22* eV. $2g\Gamma_n$=23 *3* meV, $2g\Gamma_n^1$=28 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=10.7 *9* meV.
8657.20 *20*	[2]−	0	E_n(lab)=6277.0 *23* eV. $2g\Gamma_n$=1.09 *11* eV, Γ_γ=186 *9* meV, $2g\Gamma_n^0$=13.8 *14* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=67.8 *17* meV.
8657.24 *20*	+	1	E_n(lab)=6314.0 *23* eV. $2g\Gamma_n$=112 *20* meV, $2g\Gamma_n^1$=133 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=39.4 *17* meV.
8657.25 *20*	+	1	E_n(lab)=6326.0 *23* eV. $2g\Gamma_n$=47 *10* meV, $2g\Gamma_n^1$=56 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=20.0 *15* meV.
8657.35 *20*	+	1	E_n(lab)=6426.0 *23* eV. $2g\Gamma_n$=53 *10* meV, $2g\Gamma_n^1$=61 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=22.1 *11* meV.
8657.52 *20*	[3]−	0	E_n(lab)=6599.0 *23* eV. $2g\Gamma_n$=1.58 *16* eV, Γ_γ=259 *13* meV, $2g\Gamma_n^0$=19.5 *20* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=127.2 *24* meV.
8657.54 *20*	+	1	E_n(lab)=6623.0 *24* eV. $2g\Gamma_n$=17 *2* meV, $2g\Gamma_n^1$=188 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=8.0 *9* meV.
8657.62 *20*	[2]−	0	E_n(lab)=6694.0 *25* eV. $2g\Gamma_n$=1.15 *16* eV, Γ_γ=213 *11* meV, $2g\Gamma_n^0$=14.1 *20* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=76.8 *19* meV.
8657.76 *20*	+	1	E_n(lab)=6840.0 *25* eV. $2g\Gamma_n$=182 *17* meV, $2g\Gamma_n^1$=191 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=65.4 *4* meV.
8657.78 *20*	+	1	E_n(lab)=6863.0 *25* eV. $2g\Gamma_n$=132 *20* meV, $2g\Gamma_n^1$=138 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=44.2 *16* meV.
8657.84 *20*	+	1	E_n(lab)=6924.0 *25* eV. $2g\Gamma_n$=29 *2* meV, $2g\Gamma_n^1$=30 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=13.2 *10* meV.
8657.87 *20*	+	1	E_n(lab)=6954.0 *25* eV. $2g\Gamma_n$=85 *6* meV, $2g\Gamma_n^1$=87 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=32.3 *14* meV.
8657.97 *20*	[3]−	0	E_n(lab)=7052.0 *26* eV. $2g\Gamma_n$=2.18 *25* eV, Γ_γ=234 *12* meV, $2g\Gamma_n^0$=26 *3* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=122 *3* meV.
8658.08 *20*	[3]−	0	E_n(lab)=7167.0 *27* eV. $2g\Gamma_n$=6.8 *5* eV, Γ_γ=343 *17* meV, $2g\Gamma_n^0$=80 *6* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=189.3 *3* meV.
8658.13 *20*	+	1	E_n(lab)=7215.0 *27* eV. $2g\Gamma_n$=93 *6* meV, $2g\Gamma_n^1$=90 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=34.5 *15* meV.
8658.19 *20*	+	1	E_n(lab)=7277.0 *27* eV. $2g\Gamma_n$=0.36 *11* eV, $2g\Gamma_n^1$=345 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=76.6 *22* meV.
8658.25 *20*	+	1	E_n(lab)=7335.0 *27* eV. $2g\Gamma_n$=16 *3* meV, $2g\Gamma_n^1$=15 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=7.6 *16* meV.
8658.34 *20*	[3]−	0	E_n(lab)=7430.0 *28* eV. $2g\Gamma_n$=1.72 *17* eV, Γ_γ=243 *12* meV, $2g\Gamma_n^0$=20 *2* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=122 *3* meV.
8658.45 *20*	+	1	E_n(lab)=7537.0 *29* eV. $2g\Gamma_n$=44 *4* meV, $2g\Gamma_n^1$=40 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=18.9 *19* meV.
8658.46 *20*	+	1	E_n(lab)=7547.0 *29* eV. $2g\Gamma_n$=75 *5* meV, $2g\Gamma_n^1$=68 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=29 *3* meV.
8658.47 *20*	(1)+	1	E_n(lab)=7556.0 *29* eV. $2g\Gamma_n$=0.52 *7* eV, Γ_γ=247 *13* meV, $2g\Gamma_n^1$=472 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=50 *3* meV.
8658.50 *20*	+	1	E_n(lab)=7586.0 *29* eV. $2g\Gamma_n$=104 *8* meV, $2g\Gamma_n^1$=94 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=36.9 *18* meV.
8658.56 *20*	+	1	E_n(lab)=7652.0 *30* eV. $2g\Gamma_n$=0.35 *9* eV, $2g\Gamma_n^1$=312 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=94 *3* meV.
8658.58 *20*	+	1	E_n(lab)=7668.0 *30* eV. $2g\Gamma_n$=0.17 *5* eV, $2g\Gamma_n^1$=154 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=45.3 *25* meV.
8658.59 *20*	(2)−	0	E_n(lab)=7684.0 *30* eV. $2g\Gamma_n$=0.53 *7* eV, Γ_γ=289 *14* meV, $2g\Gamma_n^0$=6.1 *8* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=83 *3* meV.
8658.63 *20*	+	1	E_n(lab)=7719.0 *30* eV. $2g\Gamma_n$=28 *3* meV, $2g\Gamma_n^1$=24 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=12.5 *12* meV.
8658.69 *20*	(3)+	1	E_n(lab)=7784.0 *30* eV. $2g\Gamma_n$=0.35 *7* eV, Γ_γ=225 *25* meV, $2g\Gamma_n^1$=4.0 *8* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=74.9 *25* meV.
8658.73 *20*	+	1	E_n(lab)=7825.0 *30* eV. $2g\Gamma_n$=3.7 *18* meV, $2g\Gamma_n^1$=3.1 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=1.8 *9* meV.
8658.79 *20*	(3)−	0	E_n(lab)=7886.0 *30* eV. $2g\Gamma_n$=0.78 *9* eV, Γ_γ=0.26 *3* eV, $2g\Gamma_n^0$=8.8 *10* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=108.9 *7* meV.
8658.83 *20*	+	1	E_n(lab)=7920.0 *31* eV. $2g\Gamma_n$=0.27 *7* eV, $2g\Gamma_n^1$=226 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=28.8 *16* meV.
8658.87 *20*	[2]−	0	E_n(lab)=7964.0 *31* eV. $2g\Gamma_n$=3.0 *3* eV, Γ_γ=0.27 *3* eV, $2g\Gamma_n^0$=34 *3* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=105 *3* meV.

^{85}Rb(n,n),(n,γ):resonances 2006MuZX (continued)

^{86}Rb Levels (continued)

E(level)[†]	J^{π}	L	Comments
8659.07 *20*	+	1	E_n(lab)=8163.0 *32* eV. $2g\Gamma_n$=56 *3* meV, $2g\Gamma_n^1$=45 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=23.3 *23* meV.
8659.08 *20*	−	0	E_n(lab)=8181.0 *32* eV. $2g\Gamma_n$=0.72 *9* eV, $2g\Gamma_n^0$=8.0 *10* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=149 *4* meV.

Continued on next page (footnotes at end of table)

^{85}Rb(n,n),(n,γ):resonances 2006MuZX (continued)

^{86}Rb Levels (continued)

E(level)†	Jπ	L	Comments
8659.17 *20*	+	1	E_n(lab)=8262.0 *32* eV. $2g\Gamma_n$=56 *3* meV, $2g\Gamma_n^1$=44 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=23.3 *16* meV.
8659.23 *20*	[2]−	0	E_n(lab)=8327.0 *33* eV. $2g\Gamma_n$=0.55 *9* eV, $2g\Gamma_n^0$=6 *1* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=97 *3* meV.
8659.29 *20*	[3]−	0	E_n(lab)=8390.0 *33* eV. $2g\Gamma_n$=3.3 *4* eV, Γ_γ=304 *15* meV, $2g\Gamma_n^0$=36 *4* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=160 *4* meV.
8659.37 *20*	+	1	E_n(lab)=8471.0 *34* eV. $2g\Gamma_n$=0.37 *6* eV, $2g\Gamma_n^1$=283 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=90 *3* meV.
8659.42 *20*	+	1	E_n(lab)=8521.0 *34* eV. $2g\Gamma_n$=0.37 *6* eV, $2g\Gamma_n^1$=281 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=80 *3* meV.
8659.48 *20*	+	1	E_n(lab)=8579.0 *34* eV. $2g\Gamma_n$=0.26 *6* eV, $2g\Gamma_n^1$=195 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=66 *3* meV.
8659.54 *20*	+	1	E_n(lab)=8639.0 *35* eV. $2g\Gamma_n$=162 *40* meV, $2g\Gamma_n^1$=121 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=50.4 *23* meV.
8659.57 *20*	+	1	E_n(lab)=8669.0 *35* eV. $2g\Gamma_n$=7.2 *22* meV, $2g\Gamma_n^1$=5.3 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=3.5 *11* meV.
8659.62 *20*	+	1	E_n(lab)=8722.0 *35* eV. $2g\Gamma_n$=270 *6* meV, $2g\Gamma_n^1$=198 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=66.7 *25* meV.
8659.66 *20*	+	1	E_n(lab)=8761.0 *35* eV. $2g\Gamma_n$=13.9 *30* meV, $2g\Gamma_n^1$=10 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=6.6 *12* meV.
8659.72 *20*	+	1	E_n(lab)=8825.0 *35* eV. $2g\Gamma_n$=52 *4* meV, $2g\Gamma_n^1$=38 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=21.7 *17* meV.
8659.81 *20*	+	1	E_n(lab)=8912.0 *36* eV. $2g\Gamma_n$=0.28 *6* eV, $2g\Gamma_n^1$=201 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=56.3 *25* meV.
8659.88 *20*	+	1	E_n(lab)=8989.0 *36* eV. $2g\Gamma_n$=0.29 *8* eV, $2g\Gamma_n^1$=200 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=114.0 *7* meV.
8659.97 *20*	+	1	E_n(lab)=9077.0 *37* eV. $2g\Gamma_n$=154 *17* meV, $2g\Gamma_n^1$=110 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=48.9 *23* meV.
8660.03 *20*	[3]−	0	E_n(lab)=9142.0 *37* eV. $2g\Gamma_n$=19.1 *13* eV, Γ_γ=251 *25* meV, $2g\Gamma_n^0$=200 *14* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=144.1 *1* meV.
8660.07 *20*	+	1	E_n(lab)=9182.0 *37* eV. $2g\Gamma_n$=150 *16* meV, $2g\Gamma_n^1$=105 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=48 *3* meV.
8660.09 *20*			E_n(lab)=9200.0 *37* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=75 *3* meV.
8660.19 *20*	[2]−	0	E_n(lab)=9303.0 *38* eV. $2g\Gamma_n$=1.60 *20* eV, $2g\Gamma_n^0$=16.6 *21* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=168 *8* meV.
8660.24 *20*	[2]−	0	E_n(lab)=9352.0 *39* eV. Possible doublet. $2g\Gamma_n$=6.4 *5* eV, $2g\Gamma_n^0$=66 *5* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=277 *6* meV.
8660.36 *20*	+	1	E_n(lab)=9476.0 *39* eV. $2g\Gamma_n$=138 *14* meV, $2g\Gamma_n^1$=92 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=45.6 *23* meV.
8660.39 *20*	[2]+	1	E_n(lab)=9502.0 *39* eV. $2g\Gamma_n$=0.43 *10* eV, Γ_γ=214 *31* meV, $2g\Gamma_n^1$=277 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=63 *3* meV.
8660.45 *20*	+	1	E_n(lab)=9559.0 *39* eV. $2g\Gamma_n$=140 *14* meV, $2g\Gamma_n^1$=90 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=45.9 *24* meV.
8660.58 *20*	+	1	E_n(lab)=9697.0 *40* eV. $2g\Gamma_n$=8.0 *24* meV, $2g\Gamma_n^1$=5 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=3.9 *12* meV.
8660.63 *20*	+	1	E_n(lab)=9746.0 *41* eV. $2g\Gamma_n$=150 *16* meV, $2g\Gamma_n^1$=94 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=48 *3* meV.
8660.66 *20*	[3]−	0	E_n(lab)=9775.0 *41* eV. $2g\Gamma_n$=5.9 *6* eV, Γ_γ=256 *26* meV, $2g\Gamma_n^0$=60 *6* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=142.1 *2* meV.
8660.78 *20*	+	1	E_n(lab)=9898.0 *41* eV. $2g\Gamma_n$=174 *22* meV, $2g\Gamma_n^1$=106 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=52.7 *26* meV.
8660.83 *20*	+	1	E_n(lab)=9950.0 *41* eV. $2g\Gamma_n$=41.1 *32* meV, $2g\Gamma_n^1$=25 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=17.8 *16* meV.
8660.89 *20*	+	1	E_n(lab)=10010.0 *42* eV. $2g\Gamma_n$=9.3 *22* meV, $2g\Gamma_n^1$=6 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=4.5 *11* meV.
8660.97 *20*	+	1	E_n(lab)=10090.0 *42* eV. $2g\Gamma_n$=130 *11* meV, $2g\Gamma_n^1$=77 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=43.0 *23* meV.
8661.01 *20*	−	0	E_n(lab)=10130.0 *43* eV. Possible doublet. $2g\Gamma_n$=11.7 *12* eV, $2g\Gamma_n^0$=116.0 *12* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=226 *5* meV.
8661.11 *20*	+	1	E_n(lab)=10230.0 *43* eV. $2g\Gamma_n$=19.8 *26* meV, $2g\Gamma_n^1$=12 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=9.2 *13* meV.
8661.16 *20*	[2]+	1	E_n(lab)=10280.0 *44* eV. $2g\Gamma_n$=0.61 *20* eV, Γ_γ=0.27 *3* eV, $2g\Gamma_n^1$=350 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=82 *3* meV.
8661.19 *20*			E_n(lab)=10310.0 *44* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=78 *3* meV.
8661.33 *20*	+	1	E_n(lab)=10450.0 *44* eV. $2g\Gamma_n$=0.33 *10* meV, $2g\Gamma_n^1$=185 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=90 *3* meV.
8661.52 *20*	+	1	E_n(lab)=10650.0 *45* eV. $2g\Gamma_n$=183 *6* meV, $2g\Gamma_n^1$=100 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=54.4 *25* meV.
8661.59 *20*			E_n(lab)=10720.0 *45* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=88 *3* meV.
8661.69 *20*	[2]−	0	E_n(lab)=10820.0 *47* eV. $2g\Gamma_n$=3.1 *4* eV, Γ_γ=216 *15* meV, $2g\Gamma_n^0$=30 *4* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=85 *3* meV.
8661.77 *20*	[2]−	0	E_n(lab)=10900.0 *47* eV. $2g\Gamma_n$=3.6 *4* eV, Γ_γ=243 *24* meV, $2g\Gamma_n^0$=35 *4* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=96 *4* meV.
8661.79 *20*	+	1	E_n(lab)=10920.0 *47* eV. $2g\Gamma_n$=0.20 *3* eV, $2g\Gamma_n^1$=106 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=58 *3* meV.
8661.82 *20*	+	1	E_n(lab)=10950.0 *48* eV. $2g\Gamma_n$=79 *5* meV, $2g\Gamma_n^1$=41 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=31 *3* meV.
8661.83 *20*	−	0	E_n(lab)=10960.0 *48* eV. $2g\Gamma_n$=9.2 *8* eV, $2g\Gamma_n^0$=88 *8* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=47.5 *1* meV.
8661.90 *20*	+	1	E_n(lab)=11130.0 *48* eV. $2g\Gamma_n$=0.19 *3* meV, $2g\Gamma_n^1$=98 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=55 *3* meV.
8661.98 *20*	+	1	E_n(lab)=11120 *5* eV. $2g\Gamma_n$=24.4 *24* meV, $2g\Gamma_n^1$=13 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=11.2 *14* meV.
8662.03 *20*	+	1	E_n(lab)=11160 *5* eV. $2g\Gamma_n$=16.6 *26* meV, $2g\Gamma_n^1$=8.4 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=7.8 *13* meV.
8662.09 *20*	+	1	E_n(lab)=11220 *5* eV. $2g\Gamma_n$=107 *9* meV, $2g\Gamma_n^1$=54 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=38.0 *23* meV.
8662.17 *20*	[3]−	0	E_n(lab)=11300 *5* eV. $2g\Gamma_n$=1.11 *21* eV, Γ_γ=0.34 *4* eV, $2g\Gamma_n^0$=1044 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=146 *4* meV.
8662.27 *20*			E_n(lab)=11400 *5* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=73 *3* meV.
8662.35 *20*	+	1	E_n(lab)=11490 *5* eV. $2g\Gamma_n$=0.20 *3* eV, $2g\Gamma_n^1$=99 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=58 *3* meV.
8662.41 *20*			E_n(lab)=11550 *5* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=105 *3* meV.
8662.49 *20*	[2]−	0	E_n(lab)=11630 *5* eV. $2g\Gamma_n$=3.2 *4* eV, Γ_γ=221 *15* meV, $2g\Gamma_n^0$=30 *4* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=87 *3* meV.
8662.52 *20*	[3]+	1	E_n(lab)=11660 *5* eV. $2g\Gamma_n$=0.50 *11* eV, Γ_γ=207 *25* meV, $2g\Gamma_n^1$=238 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=82 *3* meV.
8662.56 *20*	[3]−	0	E_n(lab)=11700 *5* eV. $2g\Gamma_n$=1.28 *22* eV, Γ_γ=0.30 *3* eV, $2g\Gamma_n^0$=11.8 *20* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=138 *4* meV.

^{85}Rb(n,n),(n,γ):resonances 2006MuZX (continued)

^{86}Rb Levels (continued)

E(level)[†]	J$^{\pi}$	L	Comments
8662.63 *20*	$^{+}$	1	E_n(lab)=11770 *5* eV. $2g\Gamma_n$=126 *12* meV, $2g\Gamma_n^1$=59 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=42.8 *23* meV.
8662.68 *20*	$^{+}$	1	E_n(lab)=11820 *5* eV. $2g\Gamma_n$=700 *22* meV, $2g\Gamma_n^1$=328 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=80 *3* meV.

Continued on next page (footnotes at end of table)

^{85}Rb(n,n),(n,γ):resonances 2006MuZX (continued)

^{86}Rb Levels (continued)

E(level)[†]	Jπ	L	Comments
8662.72 *20*	+	1	E_n(lab)=11860 *5* eV. $2g\Gamma_n$=0.39 *11* eV, $2g\Gamma_n^1$=181 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=69 *3* meV.
8662.76 *20*	+	1	E_n(lab)=11900 *5* eV. $2g\Gamma_n$=47 *6* meV, $2g\Gamma_n^1$=22 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=20 *3* meV.
8662.78 *20*	+	1	E_n(lab)=11920 *5* eV. $2g\Gamma_n$=190 *26* meV, $2g\Gamma_n^1$=88 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=55 *4* meV.
8662.83 *20*	+	1	E_n(lab)=11970 *5* eV. $2g\Gamma_n$=0.28 *11* eV, $2g\Gamma_n^1$=130 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=95 *4* meV.
8662.97 *20*			E_n(lab)=12110 *6* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=124 *8* meV.
8662.99 *20*	[3]−	0	E_n(lab)=12130 *6* eV. $2g\Gamma_n$=5.5 *7* eV, Γ_γ=0.29 *3* eV, $2g\Gamma_n^0$=50 *6* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=160 *7* meV.
8663.08 *20*			E_n(lab)=12220 *6* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=72 *4* meV.
8663.12 *20*	−	0	E_n(lab)=12260 *6* eV. $2g\Gamma_n$=1.11 *22* eV, $2g\Gamma_n^0$=10 *2* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=148 *6* meV.
8663.21 *20*	−	0	E_n(lab)=12360 *6* eV. $2g\Gamma_n$=1.89 *22* eV, $2g\Gamma_n^0$=17 *2* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=110 *4* meV.
8663.27 *20*			E_n(lab)=12420 *6* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=87 *4* meV.
8663.32 *20*	−	0	E_n(lab)=12470 *6* eV. $2g\Gamma_n$=10.1 *9* eV, $2g\Gamma_n^0$=80 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=222.9 *6* meV.
8663.42 *20*			E_n(lab)=12570 *6* eV. $2g\Gamma_n$=0.67 *22* eV, $g\Gamma_n\Gamma_\gamma/\Gamma$=123.6 *8* meV.
8663.46 *20*			E_n(lab)=12570 *6* eV. $2g\Gamma_n$=2.47 *22* eV, $g\Gamma_n\Gamma_\gamma/\Gamma$=119.0 *8* meV.
8663.53 *20*	+	1	E_n(lab)=12680 *6* eV. $2g\Gamma_n$=0.68 *23* eV, $2g\Gamma_n^1$=290 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=150 *5* meV.
8663.61 *20*	+	1	E_n(lab)=12760 *6* eV. $2g\Gamma_n$=53 *7* meV, $2g\Gamma_n^1$=22 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=22 *3* meV.
8663.64 *20*	[2]−	0	E_n(lab)=12790 *6* eV. $2g\Gamma_n$=16.5 *23* eV, $2g\Gamma_n^0$=146 *20* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=81 *4* meV.
8663.68 *20*			E_n(lab)=12830 *6* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=78 *5* meV.
8663.71 *20*			E_n(lab)=12860 *6* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=142 *5* meV.
8663.80 *20*	[3]−	0	E_n(lab)=12950 *6* eV. $2g\Gamma_n$=3.4 *5* eV, Γ_γ=244 *20* meV, $2g\Gamma_n^0$=30 *4* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=131.2 *5* meV.
8663.90 *20*			E_n(lab)=13050 *6* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=99 *4* meV.
8664.00 *20*			E_n(lab)=13150 *6* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=97 *4* meV.
8664.11 *20*			E_n(lab)=13270 *6* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=89 *4* meV.
8664.18 *20*			E_n(lab)=13340 *6* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=62 *6* meV.
8664.20 *20*	−	0	E_n(lab)=13360 *6* eV. Possible doublet. $2g\Gamma_n$=2.5 *4* eV, $2g\Gamma_n^0$=22 *3* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=213 *8* meV.
8664.24 *20*	−	0	E_n(lab)=13400 *6* eV. $2g\Gamma_n$=2.1 *4* eV, Γ_γ=244 *25* meV, $2g\Gamma_n^0$=18 *3* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=125.0 *8* meV.
8664.38 *20*	−	0	E_n(lab)=13540 *6* eV. Possible doublet. $2g\Gamma_n$=10.9 *12* eV, $2g\Gamma_n^0$=94 *10* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=213.6 *4* meV.
8664.47 *20*			E_n(lab)=13630 *6* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=99 *5* meV.
8664.49 *20*	+	1	E_n(lab)=13650 *6* eV. $2g\Gamma_n$=144 *15* meV, $2g\Gamma_n^1$=54 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=47 *4* meV.
8664.58 *20*	+	1	E_n(lab)=13740 *6* eV. $2g\Gamma_n$=166 *20* meV, $2g\Gamma_n^1$=62 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=51 *3* meV.
8664.65 *20*			E_n(lab)=13810 *6* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=81 *4* meV.
8664.72 *20*	+	1	E_n(lab)=13880 *6* eV. $2g\Gamma_n$=21 *5* meV, $2g\Gamma_n^1$=78 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=9.8 *24* meV.
8664.77 *20*			E_n(lab)=12930 *6* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=81 *4* meV.
8664.83 *20*	+	1	E_n(lab)=13990 *6* eV. $2g\Gamma_n$=0.40 *16* eV, $2g\Gamma_n^1$=150 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=59 *4* meV.
8664.90 *20*			E_n(lab)=14070 *6* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=81 *4* meV.
8664.98 *20*	[3]+	1	E_n(lab)=14150 *7* eV. $2g\Gamma_n$=0.67 *24* eV, Γ_γ=261 *25* meV, $2g\Gamma_n^1$=240 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=105 *5* meV.
8665.02 *20*			E_n(lab)=14190 *7* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=84 *9* meV.
8665.04 *20*	+	1	E_n(lab)=14210 *7* eV. $2g\Gamma_n$=0.46 *19* eV, $2g\Gamma_n^1$=160 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=55 *5* meV.
8665.13 *20*	[2]−	0	E_n(lab)=14300 *7* eV. $2g\Gamma_n$=3.6 *4* eV, Γ_γ=262 *26* meV, $2g\Gamma_n^0$=30 *3* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=103 *4* meV.
8665.16 *20*	+	1	E_n(lab)=14330 *7* eV. $2g\Gamma_n$=121 *10* meV, $2g\Gamma_n^1$=43 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=42 *4* meV.
8665.19 *20*			E_n(lab)=14360 *7* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=93 *4* meV.
8665.34 *20*			E_n(lab)=14510 *7* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=81 *5* meV.
8665.37 *20*	[3]−	0	E_n(lab)=14540 *7* eV. $2g\Gamma_n$=4.8 *5* meV, Γ_γ=282 *20* meV, $2g\Gamma_n^0$=40 *4* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=154 *6* meV.
8665.53 *20*	[2]−	0	E_n(lab)=14700 *7* eV. $2g\Gamma_n$=5.1 *7* eV, Γ_γ=226 *22* meV, $2g\Gamma_n^0$=42 *6* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=91 *4* meV.
8665.56 *20*	+	1	E_n(lab)=14730 *7* eV. $2g\Gamma_n$=58 *4* meV, $2g\Gamma_n^1$=20 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=24 *3* meV.
8665.60 *20*	+	1	E_n(lab)=14770 *7* eV. $2g\Gamma_n$=0.34 *10* eV, $2g\Gamma_n^1$=110 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=75 *4* meV.
8665.69 *20*	+	1	E_n(lab)=14860 *7* eV. $2g\Gamma_n$=78 *6* meV, $2g\Gamma_n^1$=26 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=30 *5* meV.
8665.72 *20*			E_n(lab)=14890 *7* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=114 *6* meV.
8665.77 *20*	+	1	E_n(lab)=14950 *7* eV. $2g\Gamma_n$=0.31 *8* eV, $2g\Gamma_n^1$=102 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=72 *4* meV.
8665.85 *20*	[2]−	0	E_n(lab)=15030 *7* eV. $2g\Gamma_n$=1.5 *4* eV, Γ_γ=0.29 *3* eV, $2g\Gamma_n^0$=12 *3* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=102 *5* meV.
8665.91 *20*	+	1	E_n(lab)=15090 *7* eV. $2g\Gamma_n$=103 *9* meV, $2g\Gamma_n^1$=34 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=37 *3* meV.
8665.96 *20*	[2]−	0	E_n(lab)=15140 *7* eV. $2g\Gamma_n$=1.23 *25* eV, Γ_γ=0.31 *3* eV, $2g\Gamma_n^0$=10 *2* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=106 *5* meV.
8666.00 *20*			E_n(lab)=15180 *8* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=92 *5* meV.
8666.17 *20*			E_n(lab)=15350 *8* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=99 *5* meV.
8666.24 *20*	+	1	E_n(lab)=15420 *8* eV. $2g\Gamma_n$=60 *7* meV, $2g\Gamma_n^1$=19 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=24 *4* meV.
8666.30 *20*	2−	0	E_n(lab)=15480 *8* eV. Possible doublet. $2g\Gamma_n$=1.24 *25* eV, $2g\Gamma_n^0$=10 *2* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=263 *9* meV.

^{85}Rb(n,n),(n,γ):resonances 2006MuZX (continued)

^{86}Rb Levels (continued)

E(level)[†]	Jπ	L	Comments
8666.44 *20*	+	1	E_n(lab)=15620 *8* eV. $2g\Gamma_n$=87 *7* meV, $2g\Gamma_n^1$=27 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=33 *3* meV.

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^{85}Rb(n,n),(n,γ):resonances 2006MuZX (continued)

^{86}Rb Levels (continued)

E(level)†	Jπ	L	Comments
8666.50 *20*	+	1	E_n(lab)=15680 *8* eV. $2g\Gamma_n$=150 *16* meV, $2g\Gamma_n^1$=46 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=48 *4* meV.
8666.54 *20*			E_n(lab)=15720 *8* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=88 *5* meV.
8666.64 *20*	+	1	E_n(lab)=15830 *8* eV. $2g\Gamma_n$=55 *6* meV, $2g\Gamma_n^1$=17 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=23 *3* meV.
8666.72 *20*	[3]−	0	E_n(lab)=15910 *8* eV. $2g\Gamma_n$=1.51 *25* eV, $2g\Gamma_n^0$=12 *2* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=249 *9* meV.
8666.85 *20*	+	1	E_n(lab)=16040 *8* eV. $2g\Gamma_n$=113 *9* meV, $2g\Gamma_n^1$=34 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=40 *4* meV.
8666.94 *20*			E_n(lab)=16130 *8* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=269 *11* meV.
8667.01 *20*	−	0	E_n(lab)=16200 *8* eV. Possible doublet. $2g\Gamma_n$=1.66 *25* eV, $2g\Gamma_n^0$=13 *2* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=243 *11* meV.
8667.13 *20*	+	1	E_n(lab)=16320 *8* eV. $2g\Gamma_n$=0.22 *4* eV, $2g\Gamma_n^1$=64 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=61 *6* meV.
8667.17 *20*			E_n(lab)=16360 *8* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=102 *6* meV.
8667.21 *20*	+	1	E_n(lab)=16400 *8* eV. $2g\Gamma_n$=110 *9* meV, $2g\Gamma_n^1$=32 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=39 *5* meV.
8667.28 *20*	[2]−	0	E_n(lab)=16470 *8* eV. $2g\Gamma_n$=3.90 *77* eV, $2g\Gamma_n^0$=30 *6* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=151 *7* meV.
8667.41 *20*			E_n(lab)=16600 *9* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=78 *6* meV.
8667.44 *20*	[2]−	0	E_n(lab)=16640 *9* eV. $2g\Gamma_n$=18.10 *26* eV, Γ_γ=207 *21* meV, $2g\Gamma_n^0$=140 *2* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=85 *6* meV.
8667.56 *20*			E_n(lab)=16760 *9* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=200 *9* meV.
8667.65 *20*	−	0	E_n(lab)=16850 *9* eV. $2g\Gamma_n$=5.2 *8* eV, $2g\Gamma_n^0$=40 *6* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=97 *12* meV.
8667.68 *20*			E_n(lab)=16880 *9* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=97 *7* meV.
8667.74 *20*	[3]−	0	E_n(lab)=16940 *9* eV. $2g\Gamma_n$=5.2 *10* eV, Γ_γ=262 *26* meV, $2g\Gamma_n^0$=40 *8* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=144 *20* meV.
8667.77 *20*	−	0	E_n(lab)=16970 *9* eV. $2g\Gamma_n$=14.0 *13* eV, $2g\Gamma_n^0$=108 *10* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=278 *17* meV.
8667.83 *20*	+	1	E_n(lab)=17030 *9* eV. $2g\Gamma_n$=122 *15* meV, $2g\Gamma_n^1$=33 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=42 *5* meV.
8667.93 *20*			E_n(lab)=17130 *9* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=109 *6* meV.
8668.01 *20*			E_n(lab)=17210 *9* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=118 *6* meV.
8668.06 *20*			E_n(lab)=17260 *9* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=80 *5* meV.
8668.20 *20*			E_n(lab)=17400 *9* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=292 *11* meV.
8668.39 *20*			E_n(lab)=17600 *9* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=82 *7* meV.
8668.43 *20*			E_n(lab)=17640 *9* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=259 *11* meV.
8668.64 *20*			E_n(lab)=17850 *10* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=60 *8* meV.
8668.67 *20*			E_n(lab)=17880 *10* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=240 *13* meV.
8668.76 *20*			E_n(lab)=17970 *10* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=164 *9* meV.
8668.81 *20*	+	1	E_n(lab)=18020 *10* eV. $2g\Gamma_n$=164 *22* meV, $2g\Gamma_n^1$=41 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=51 *5* meV.
8668.87 *20*			E_n(lab)=18080 *10* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=164 *9* meV.
8668.91 *20*			E_n(lab)=18120 *10* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=134.0 *7* meV.
8668.96 *20*			E_n(lab)=18170 *10* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=102 *6* meV.
8669.07 *20*			E_n(lab)=18280 *10* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=334 *8* meV.
8669.21 *20*			E_n(lab)=18430 *10* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=94.8 *1* meV.
8669.24 *20*			E_n(lab)=18460 *10* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=103.9 *1* meV.
8669.29 *20*	+	1	E_n(lab)=18510 *10* eV. $2g\Gamma_n$=88 *9* meV, $2g\Gamma_n^1$=21 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=33 *4* meV.
8669.31 *20*	+	1	E_n(lab)=18530 *10* eV. $2g\Gamma_n$=94 *9* meV, $2g\Gamma_n^1$=23 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=35 *4* meV.
8669.34 *20*	+	1	E_n(lab)=18560 *10* eV. $2g\Gamma_n$=180 *26* meV, $2g\Gamma_n^1$=43 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=54 *4* meV.
8669.39 *20*	+	1	E_n(lab)=18610 *10* eV. $2g\Gamma_n$=41 *9* meV, $2g\Gamma_n^1$=10 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=18 *5* meV.
8669.42 *20*	+	1	E_n(lab)=18640 *10* eV. $2g\Gamma_n$=99 *13* meV, $2g\Gamma_n^1$=24 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=36 *5* meV.
8669.46 *20*			E_n(lab)=18680 *10* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=179 *6* meV.
8669.63 *20*	+	1	E_n(lab)=18850 *10* eV. $2g\Gamma_n$=43 *5* meV, $2g\Gamma_n^1$=10 meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=18.4 *23* meV.
8669.72 *20*			E_n(lab)=18940 *10* eV. $g\Gamma_n\Gamma_\gamma/\Gamma$=90 *4* meV.
8669.86 *20*	(3)−	0	E_n(lab)=19080 *10* eV. $2g\Gamma_n$=13.0 *5* eV, $2g\Gamma_n^0$=94 *4* meV, $g\Gamma_n\Gamma_\gamma/\Gamma$=329 *9* meV.

† E(level energy)=S(n)(^{86}Rb) + E_n(lab)[mass of ^{85}Rb]/ [mass of neutron+mass of ^{85}Rb], where S(n)=8651.0 *2* (2012Wa38).