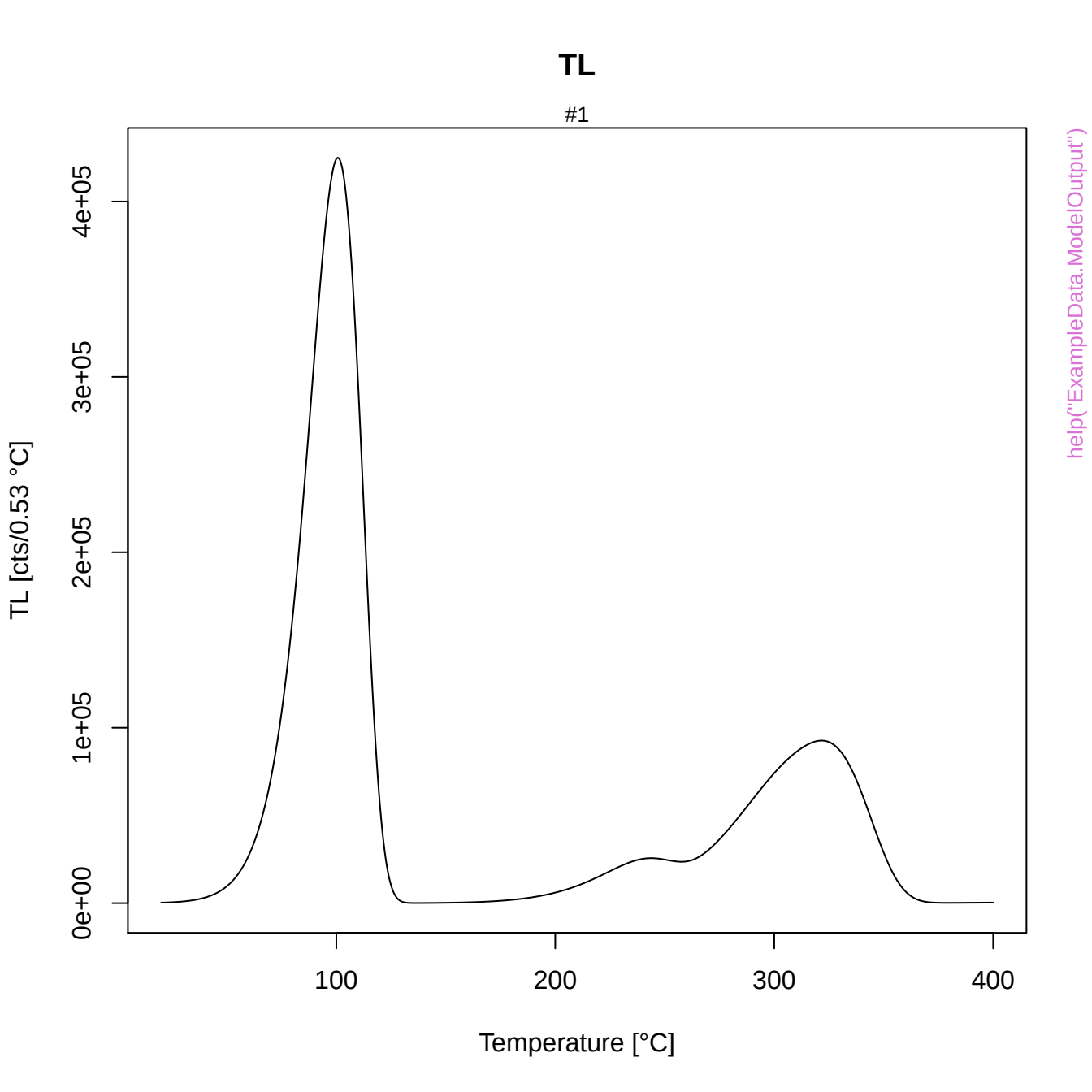
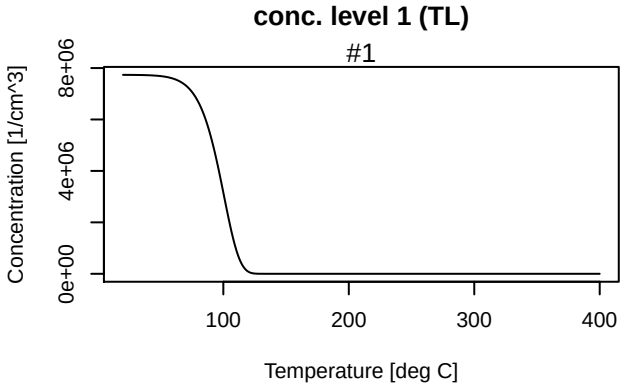
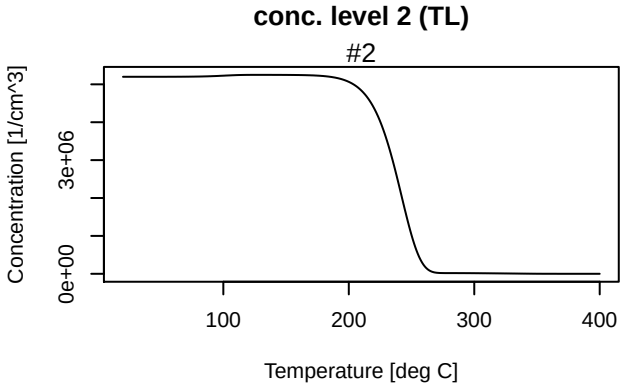
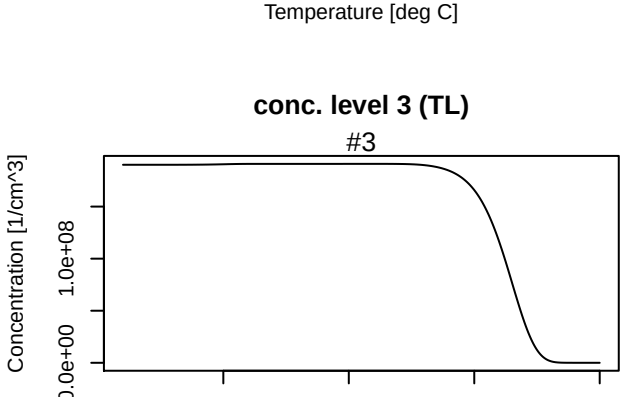
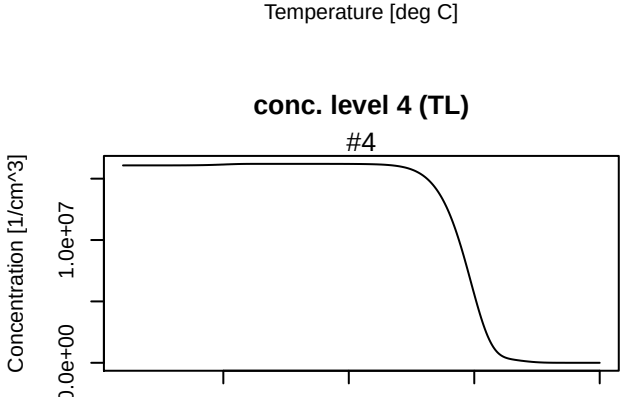
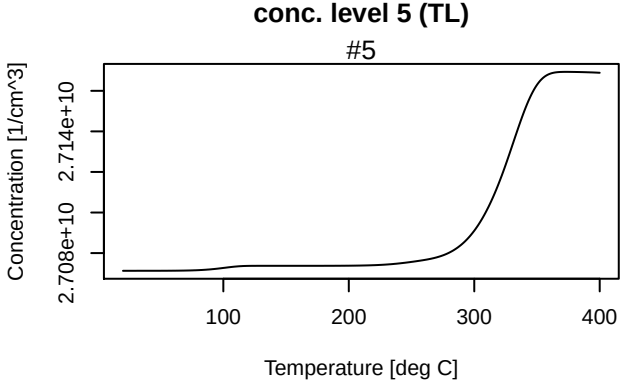

TL
#1
TL [cts/0.53 °C]
0e+00
1e+05
2e+05
3e+05
4e+05
100
200
300
400
Temperature [°C]
help("ExampleData.ModelOutput")

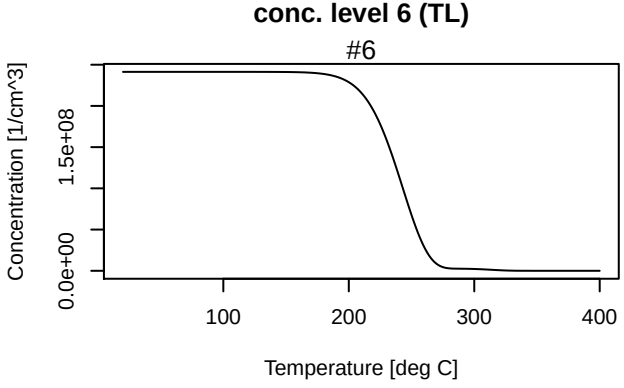




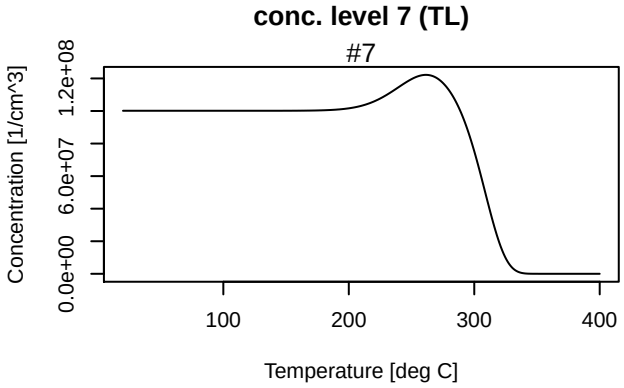


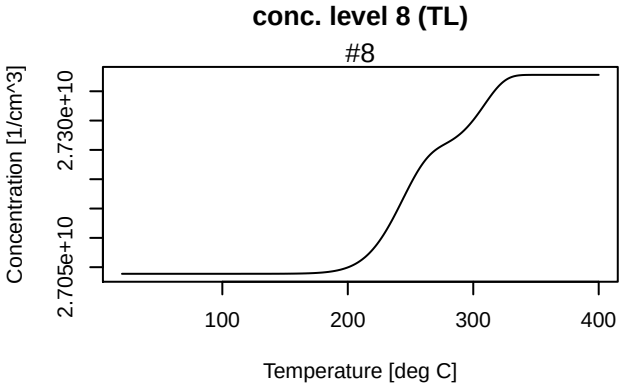


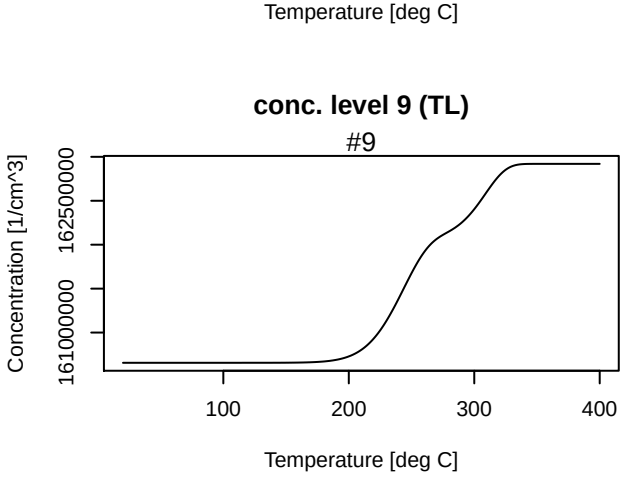


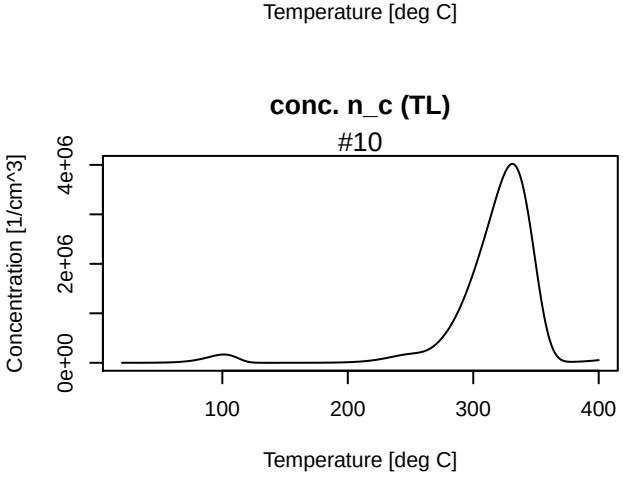


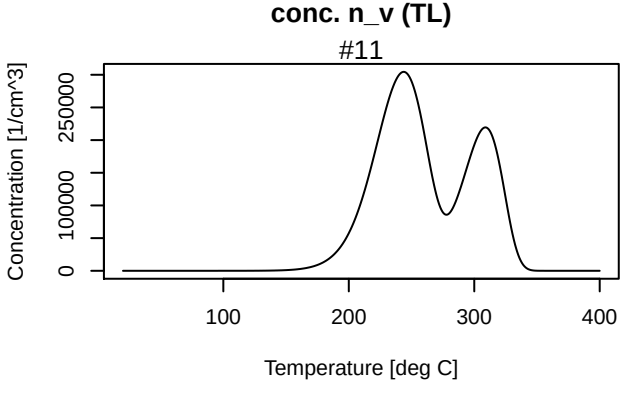
help("ExampleData.ModelOutput")



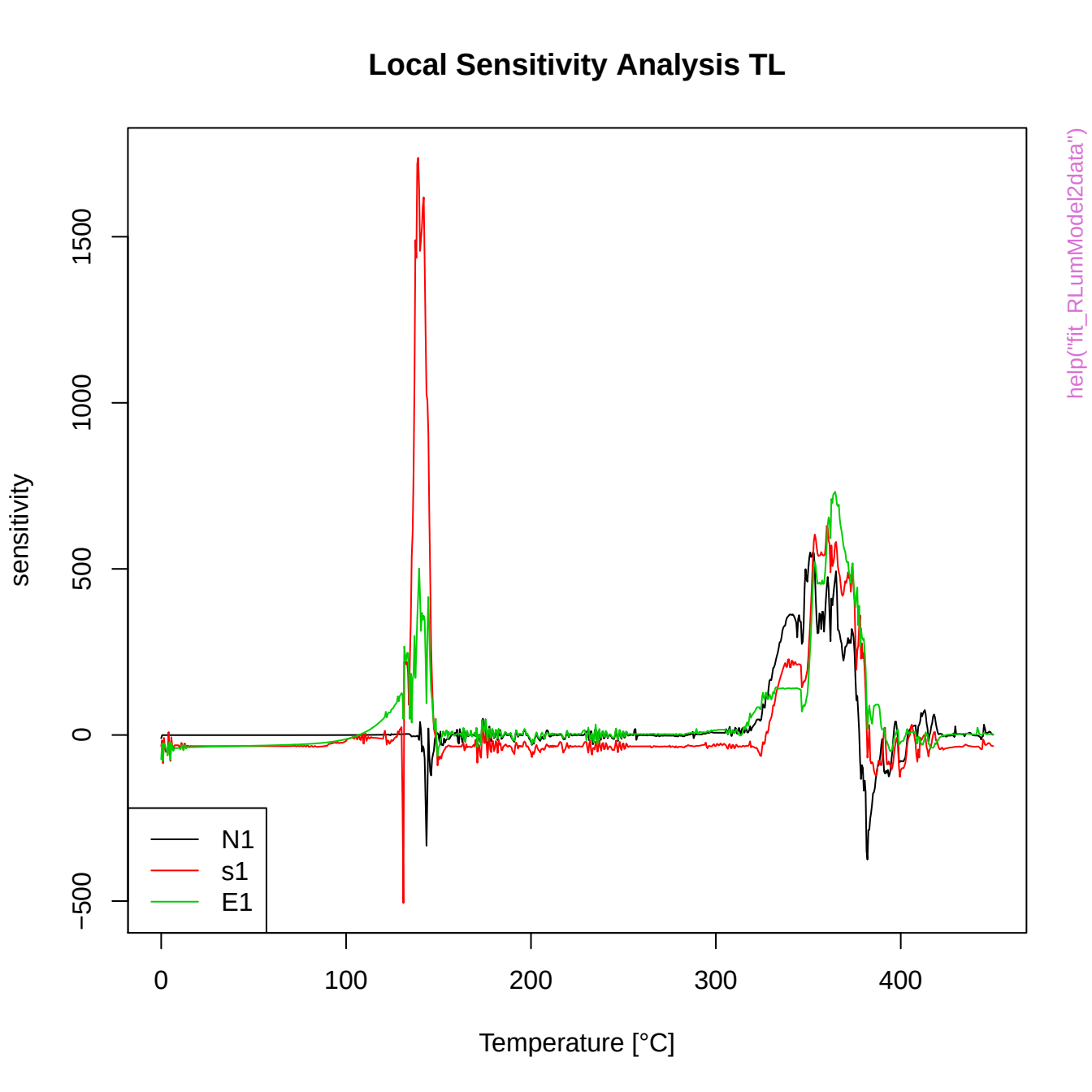


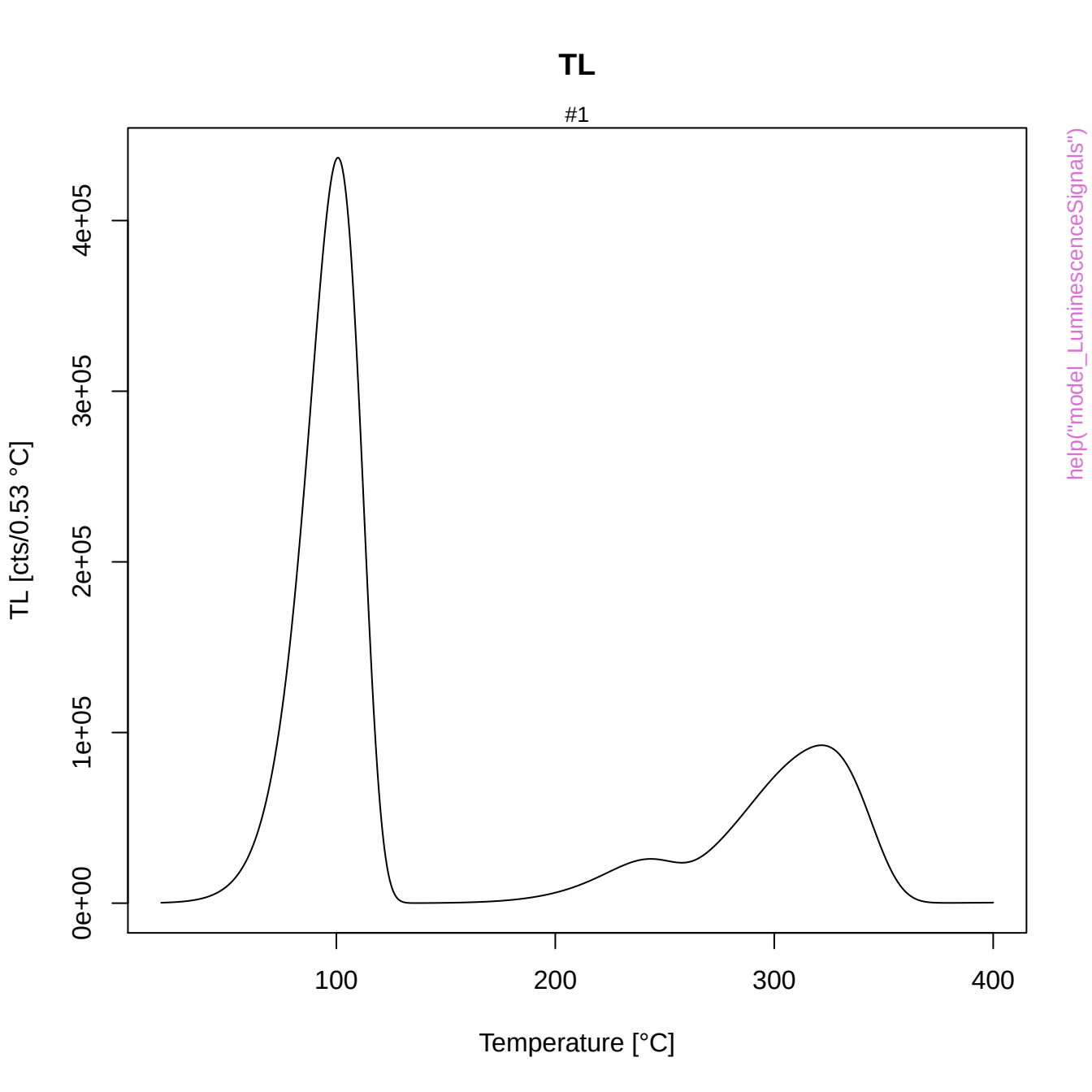


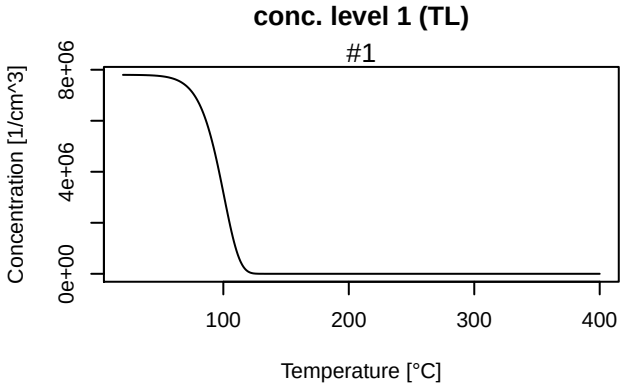


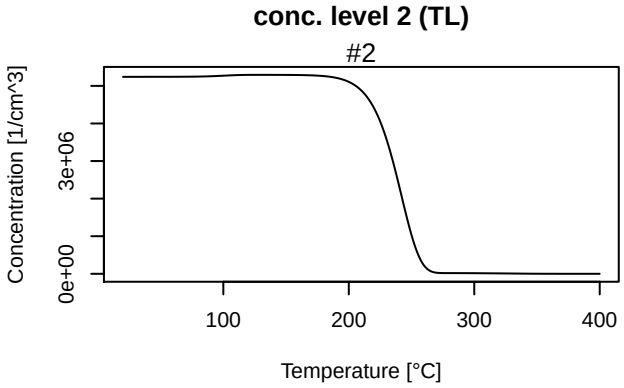


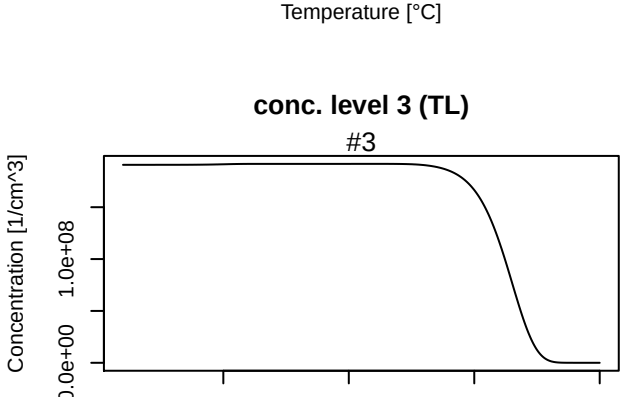
help("ExampleData.ModelOutput")

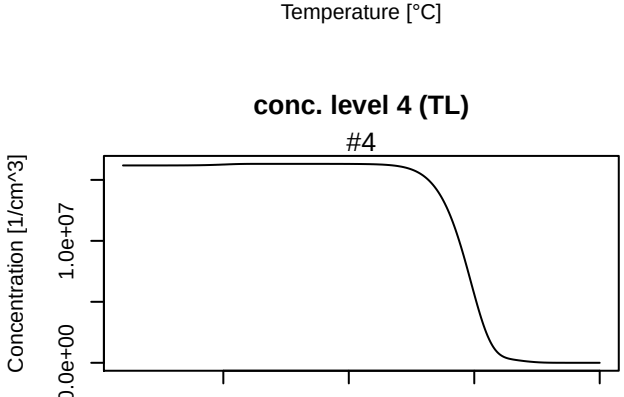

Local Sensitivity Analysis TL
sensitivity
1500
1000
500
0
−500
0
100
200
300
400
Temperature [°C]
N1
s1
E1
help("fit_RLumModel2data")

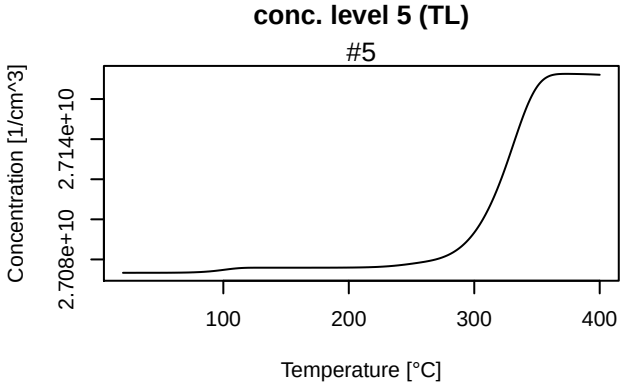

TL
#1
TL [cts/0.53 °C]
0e+00
1e+05
2e+05
3e+05
4e+05
100
200
300
400
Temperature [°C]
help("model_LuminescenceSignals")

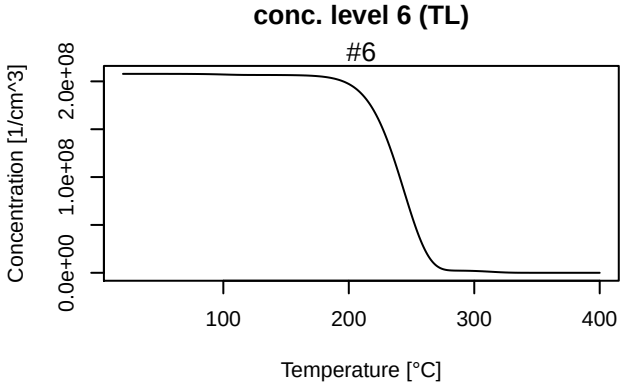


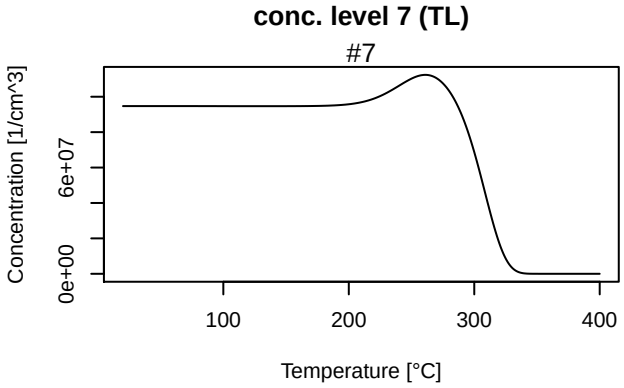


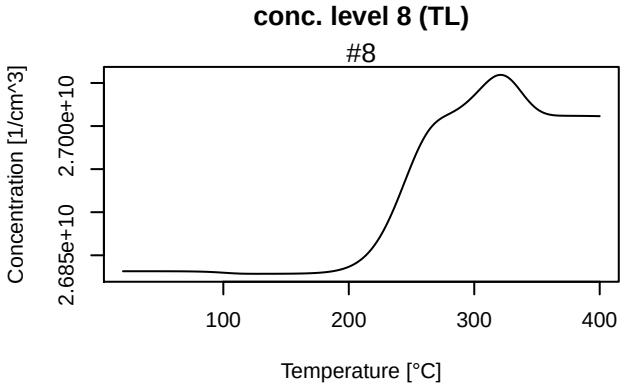


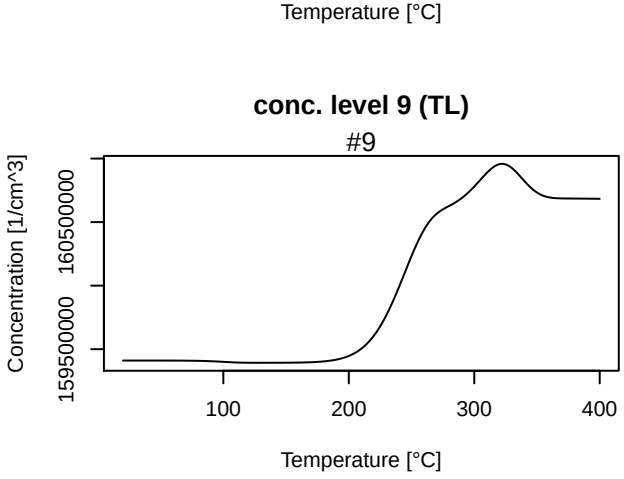


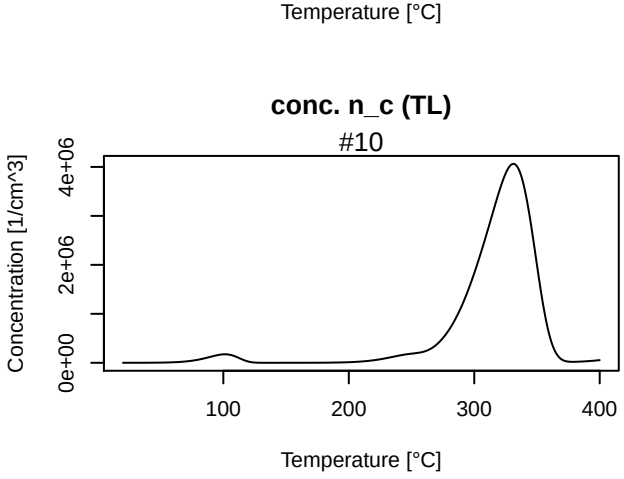


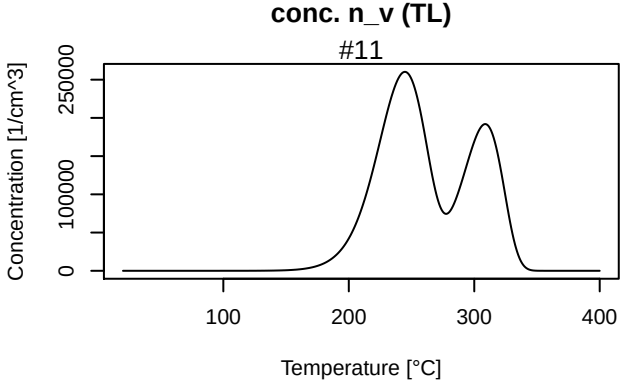




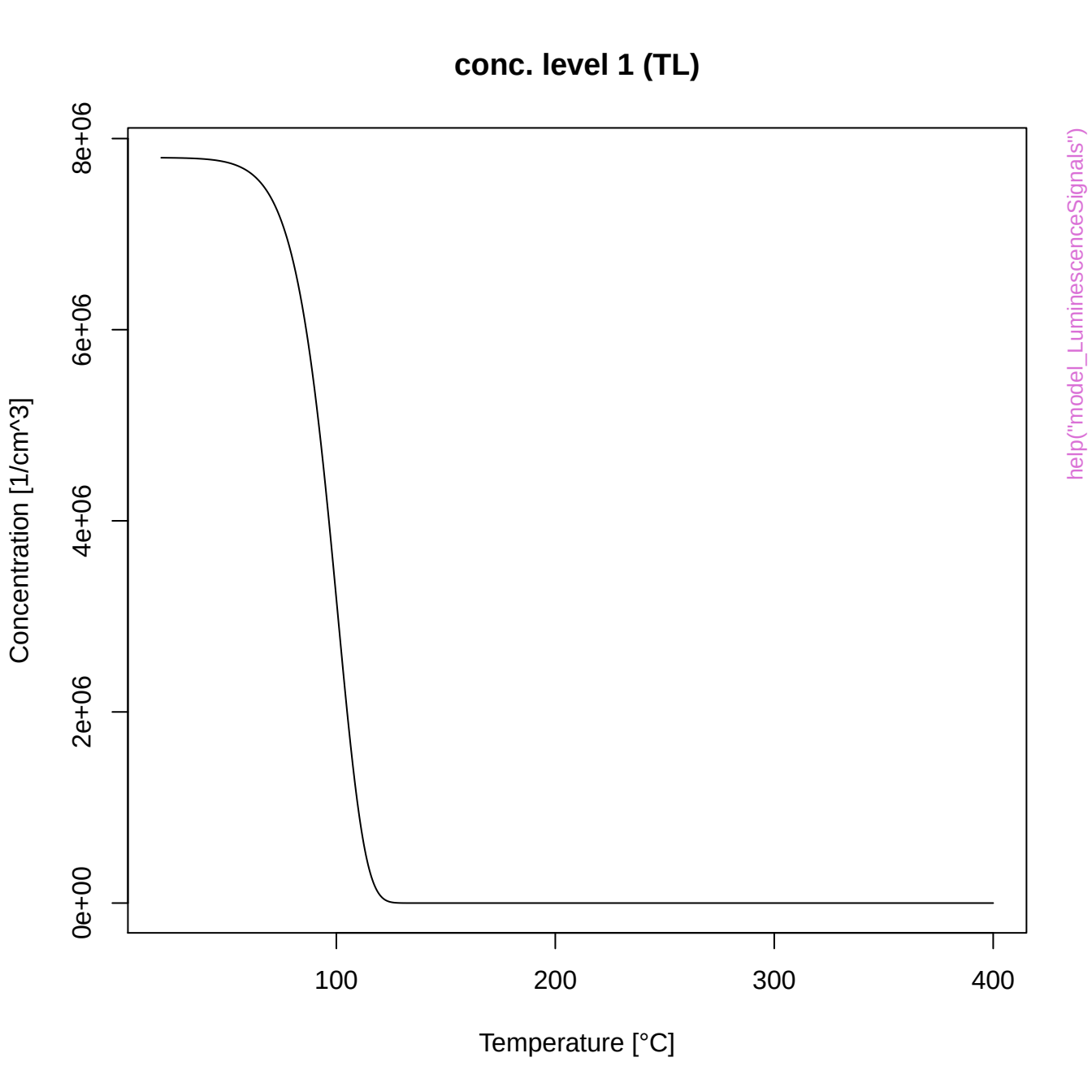


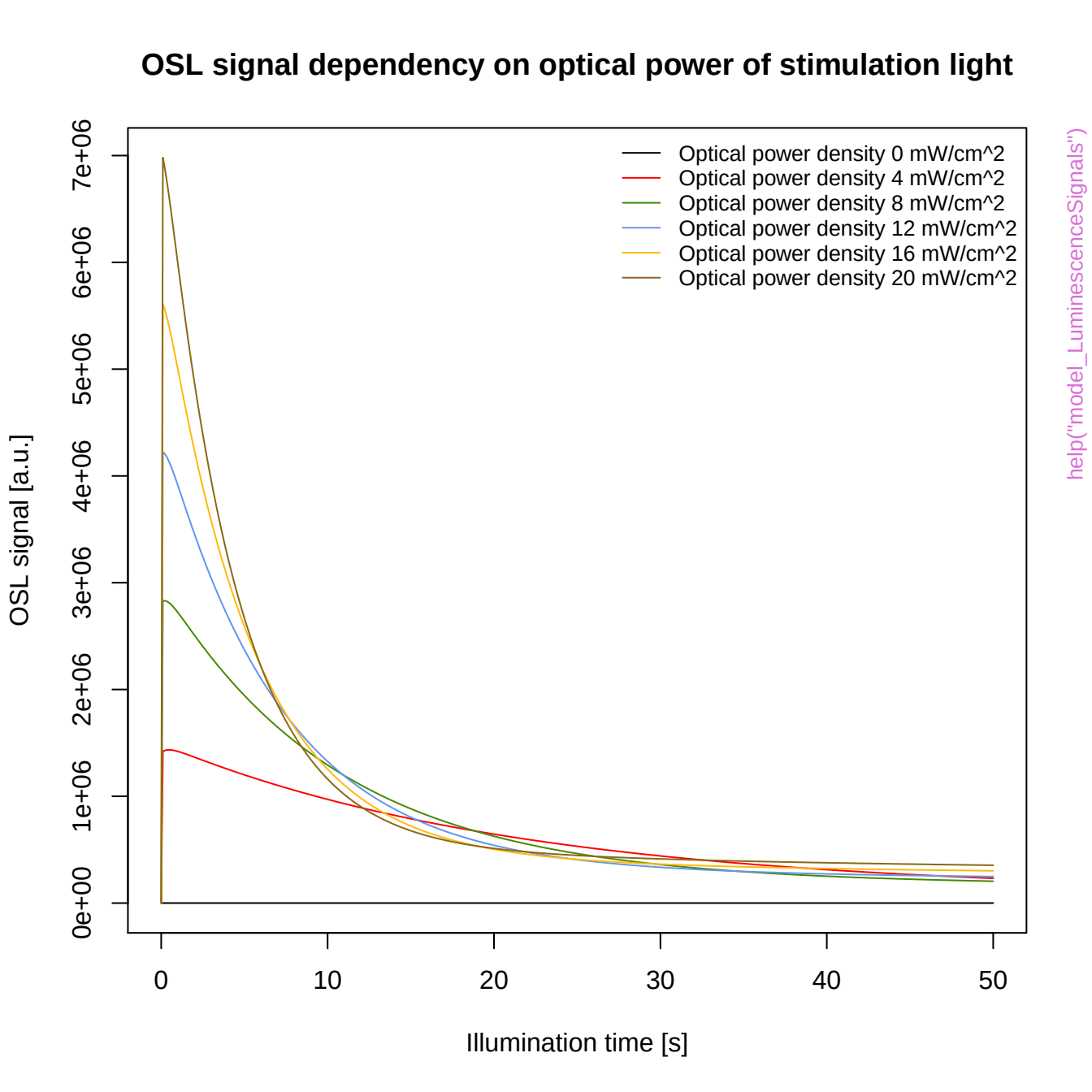


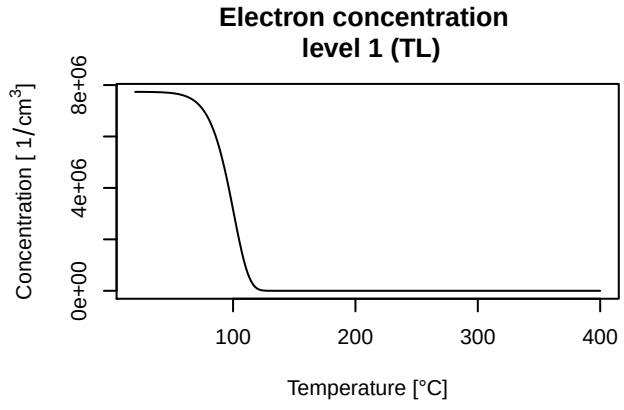


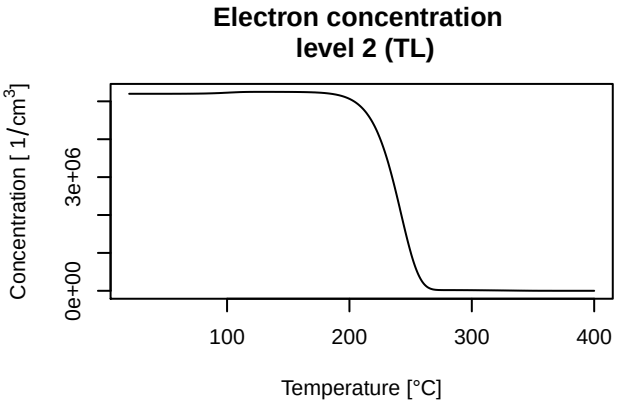


help("model_LuminescenceSignals")

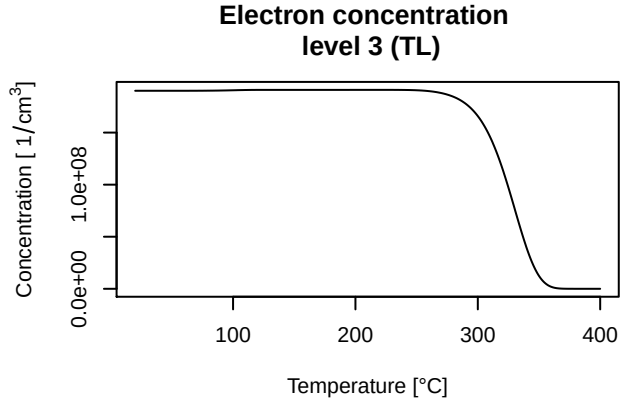

conc. level 1 (TL)
Concentration [1/cm^3]
0e+00
2e+06
4e+06
6e+06
8e+06
100
200
300
400
Temperature [°C]
help("model_LuminescenceSignals")

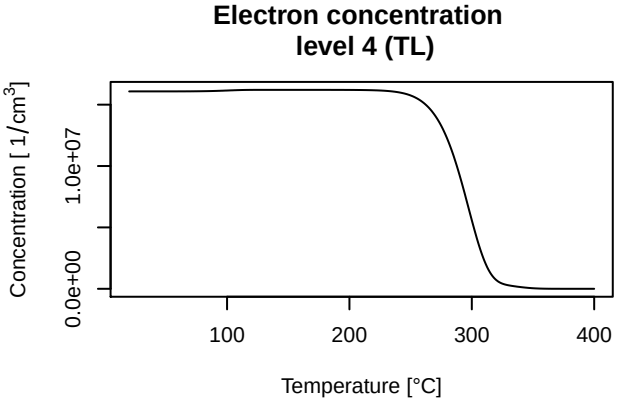

OSL signal dependency on optical power of stimulation light
Optical power density 0 mW/cm^2
Optical power density 4 mW/cm^2
Optical power density 8 mW/cm^2
Optical power density 12 mW/cm^2
Optical power density 16 mW/cm^2
Optical power density 20 mW/cm^2
OSL signal [a.u.]
0e+00
1e+06
2e+06
3e+06
4e+06
5e+06
6e+06
7e+06
0
10
20
30
40
50
Illumination time [s]
help("model_LuminescenceSignals")

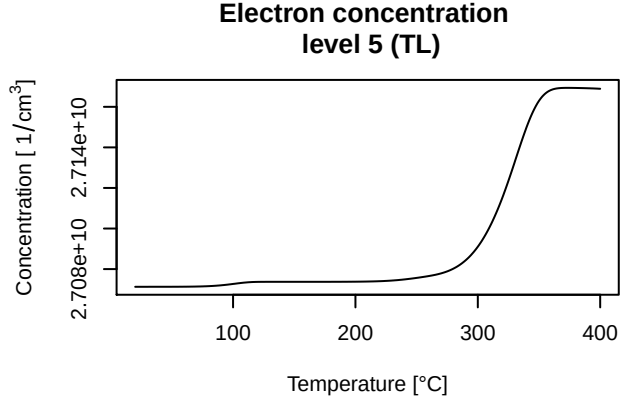


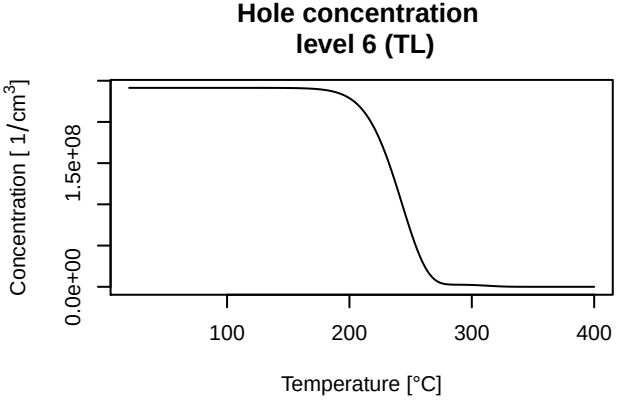


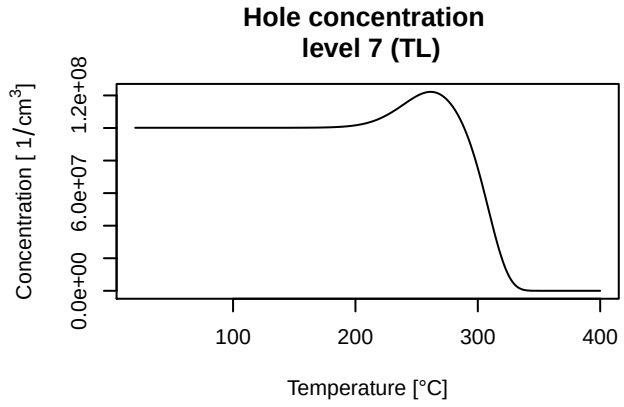
help("plot_concentrations")

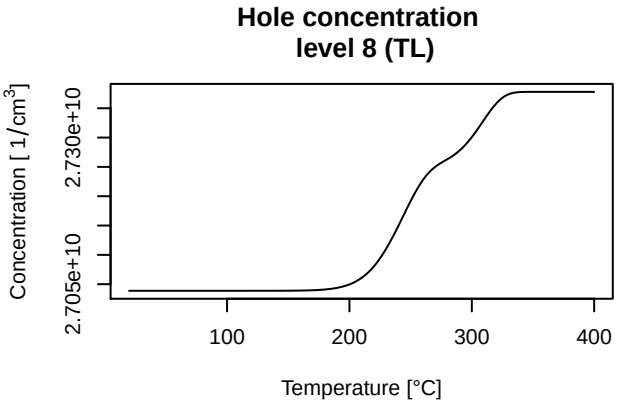




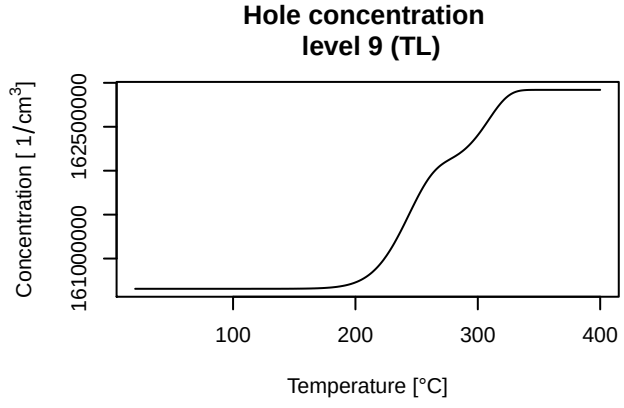


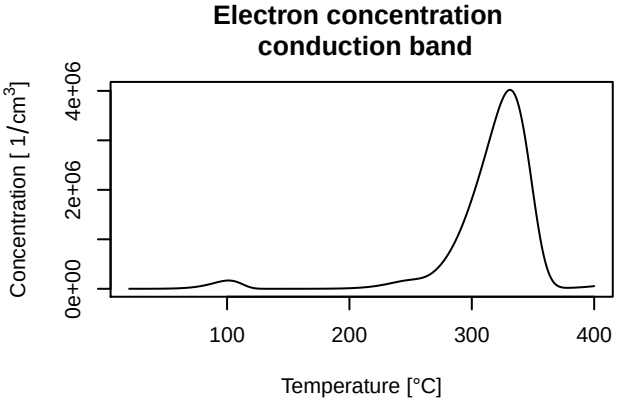


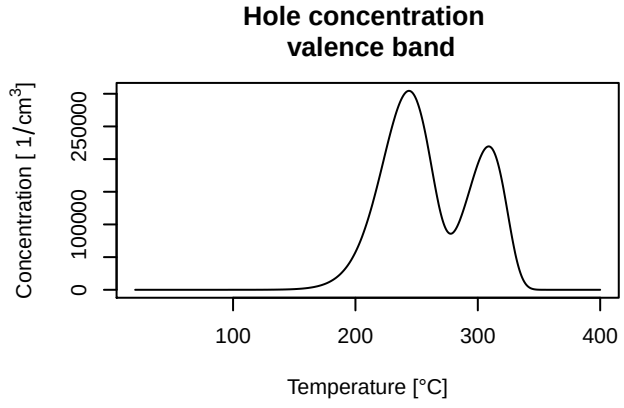


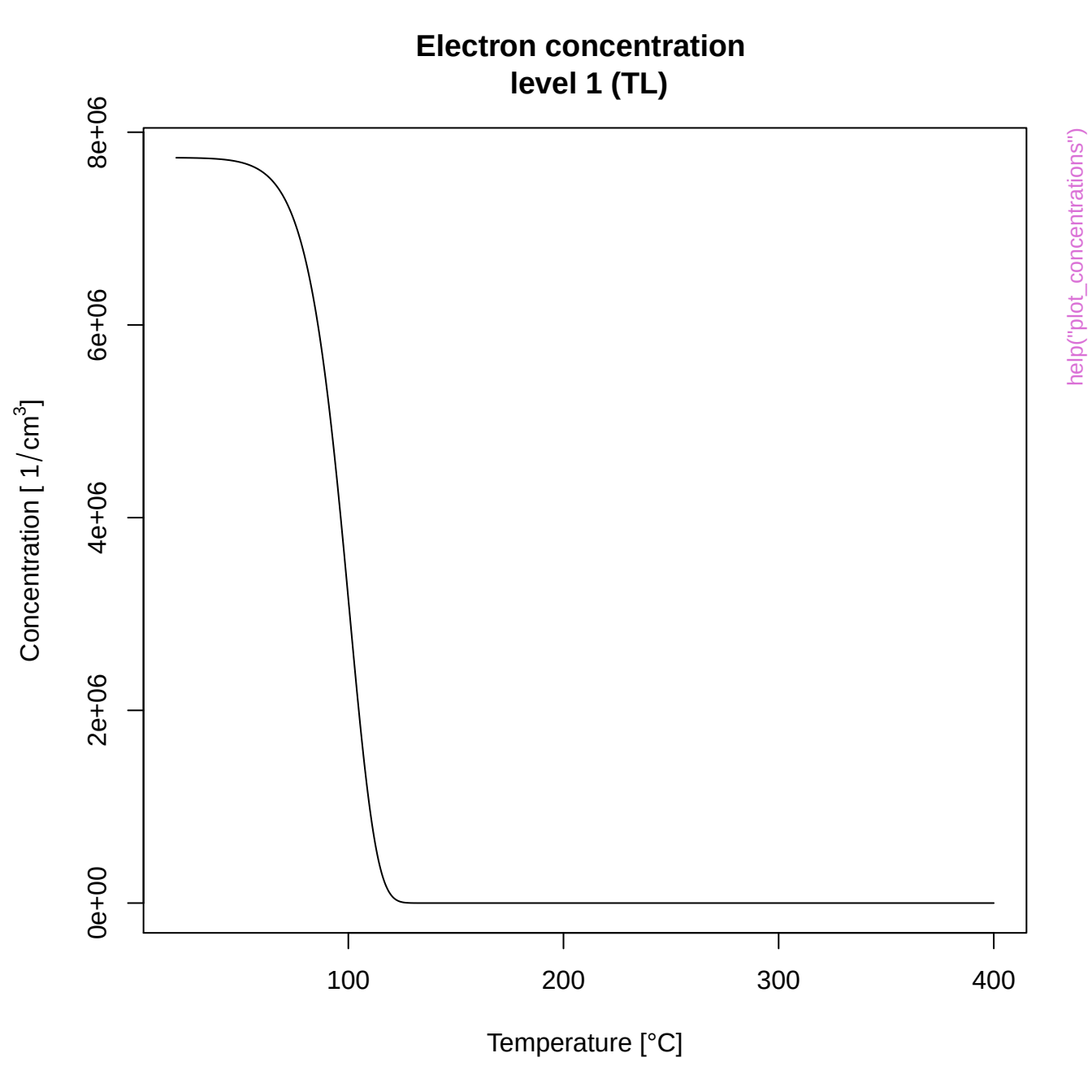


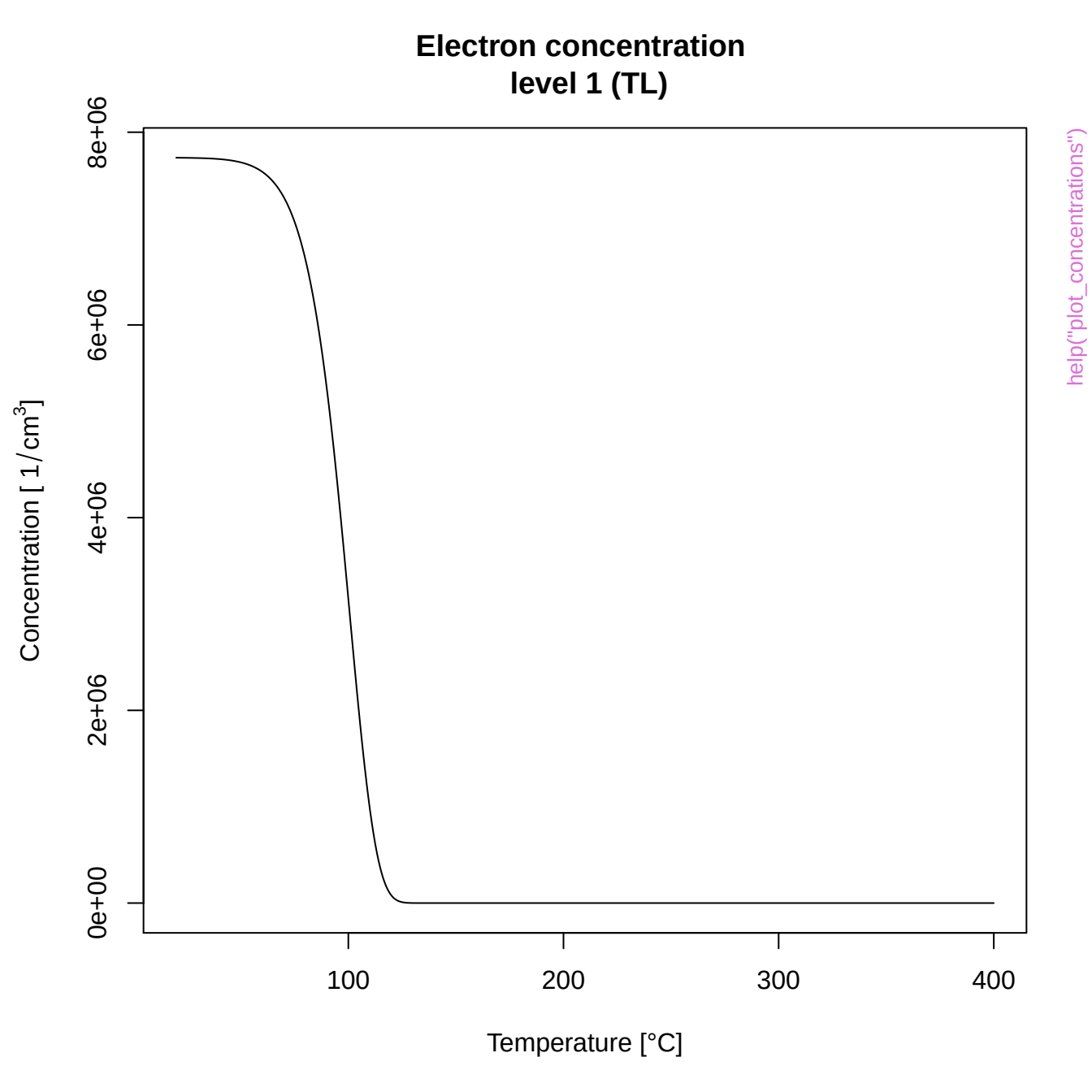
help("plot_concentrations")

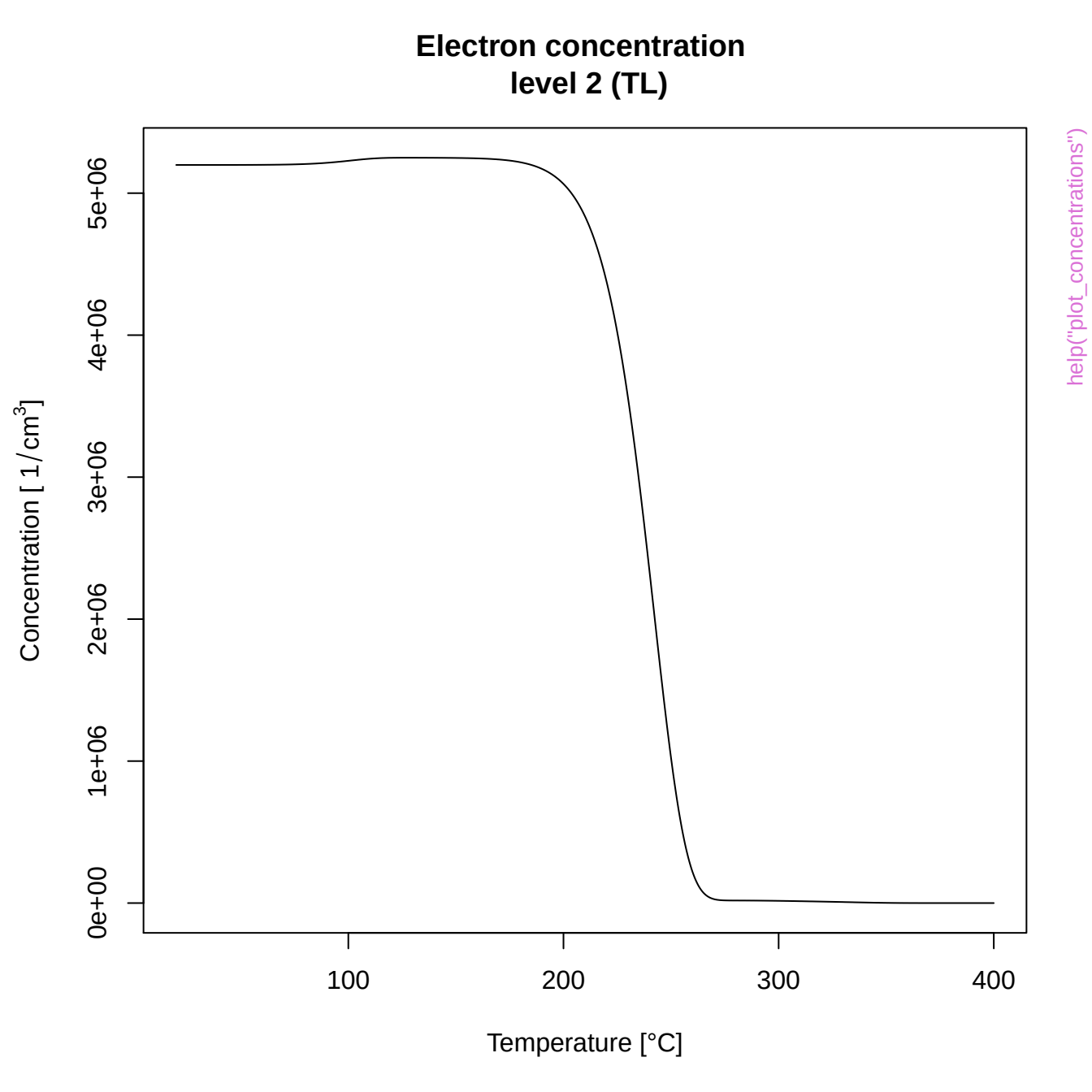


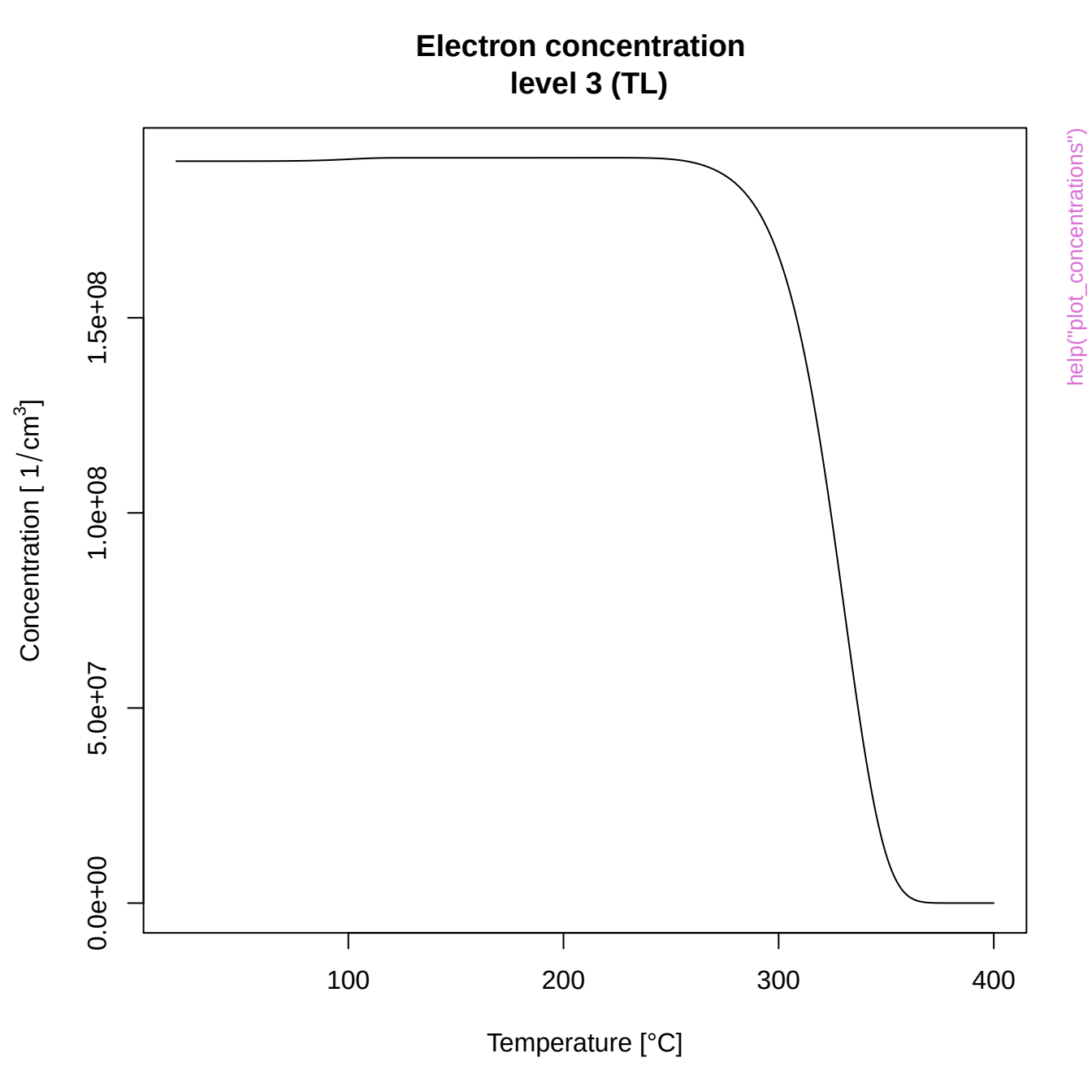


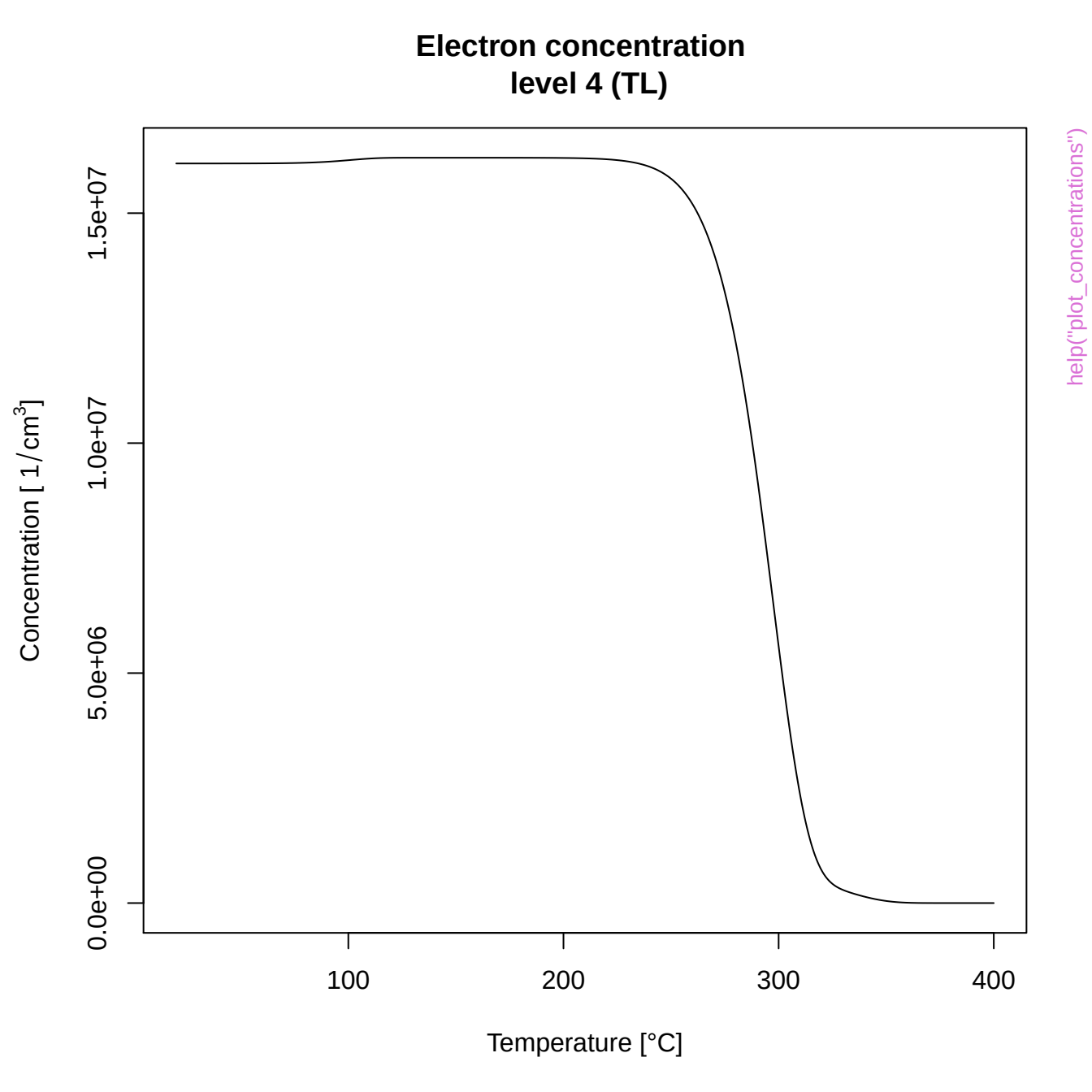


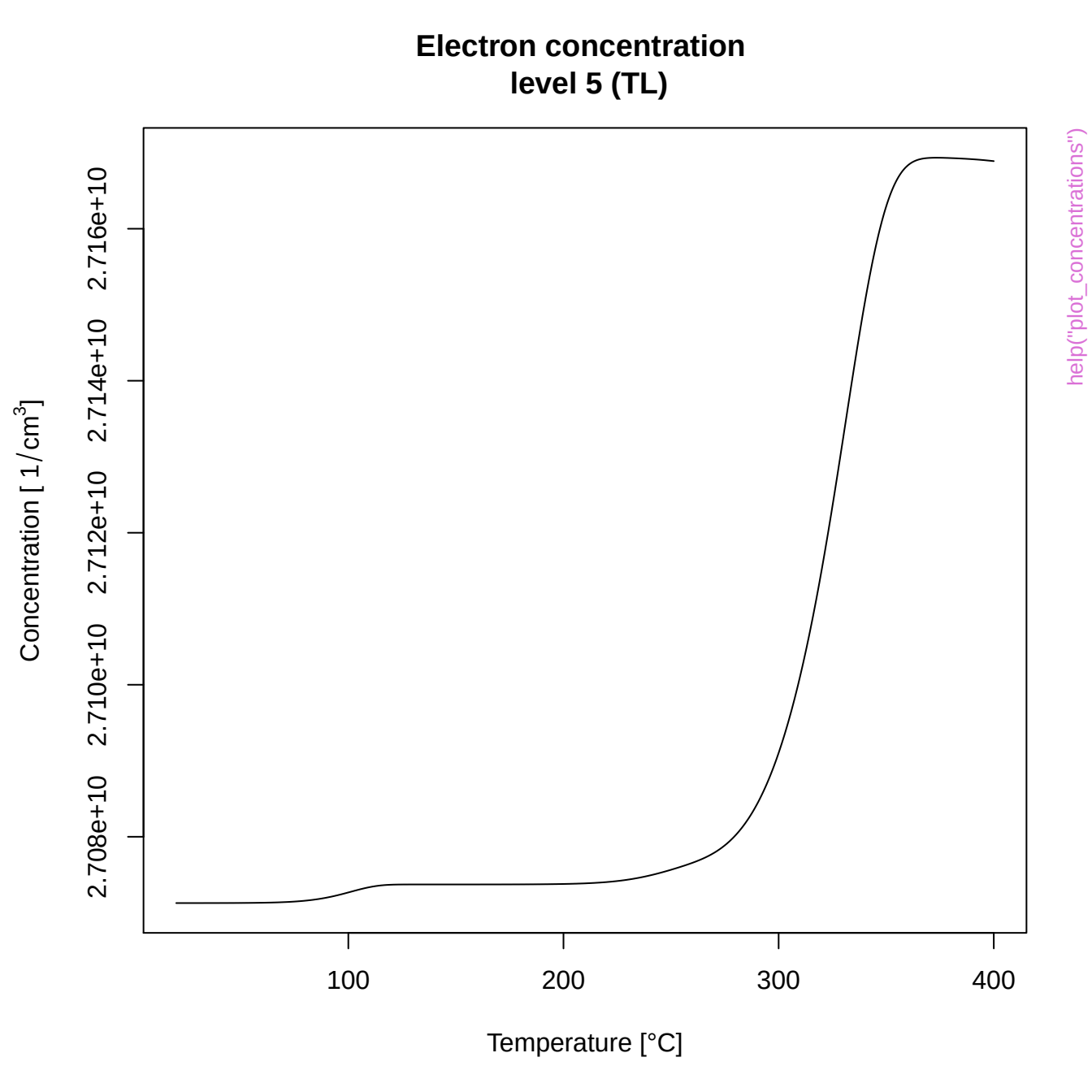

Electron concentration
level 1 (TL)
Concentration [1/cm3]
0e+00
2e+06
4e+06
6e+06
8e+06
100
200
300
400
Temperature [°C]
help("plot_concentrations")

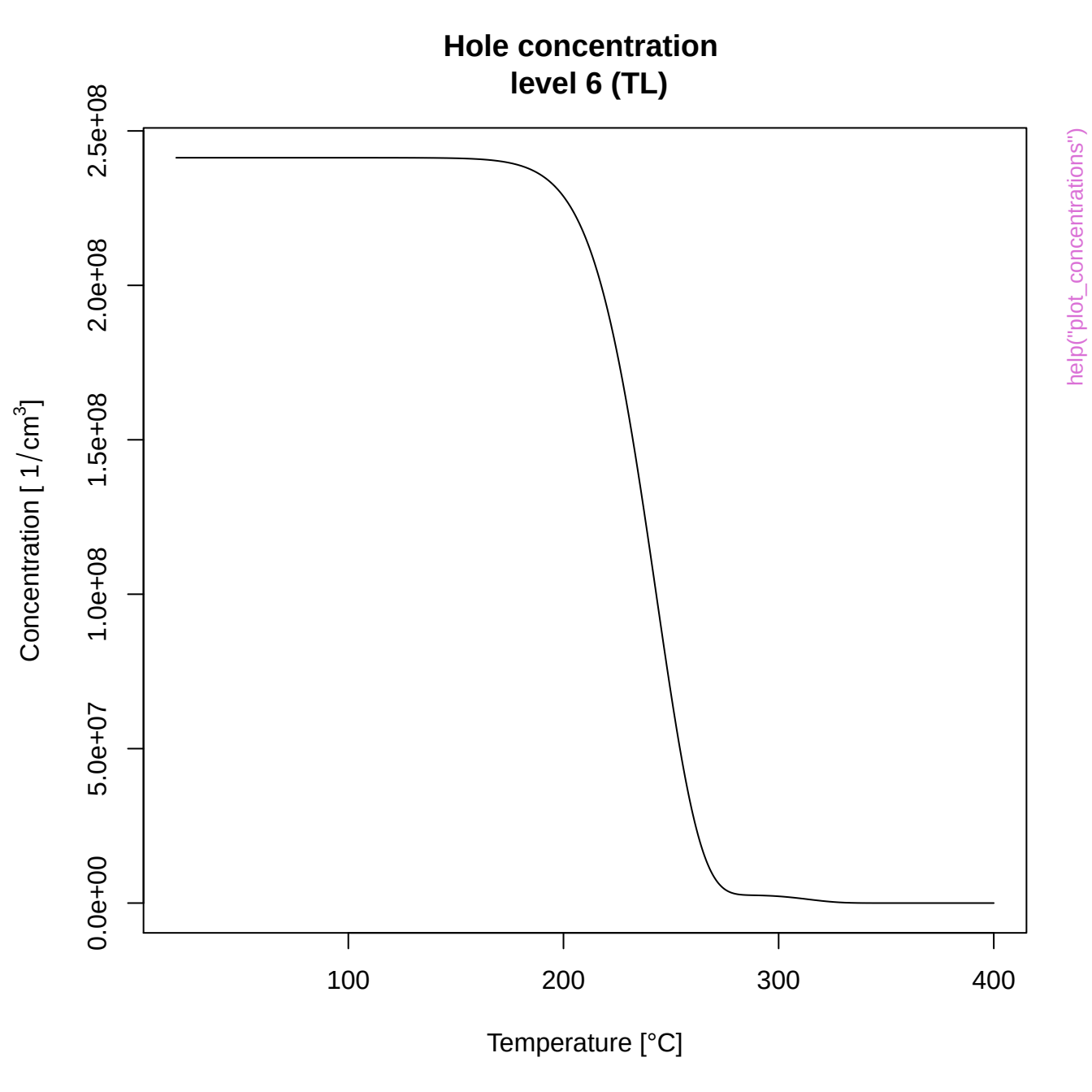

Electron concentration
level 1 (TL)
Concentration [1/cm3]
0e+00
2e+06
4e+06
6e+06
8e+06
100
200
300
400
Temperature [°C]
help("plot_concentrations")

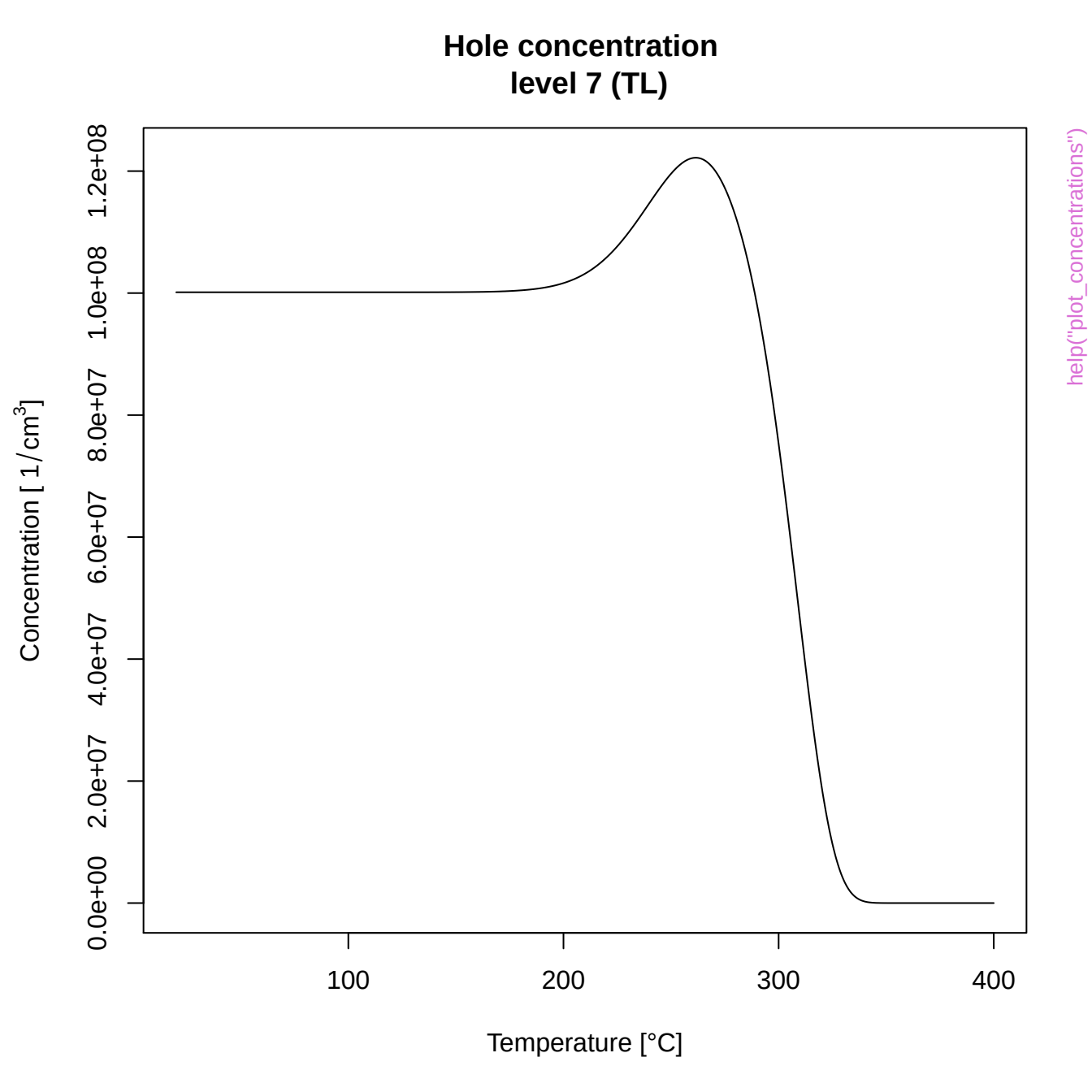

Electron concentration
level 2 (TL)
Concentration [1/cm3]
0e+00
1e+06
2e+06
3e+06
4e+06
5e+06
100
200
300
400
Temperature [°C]
help("plot_concentrations")

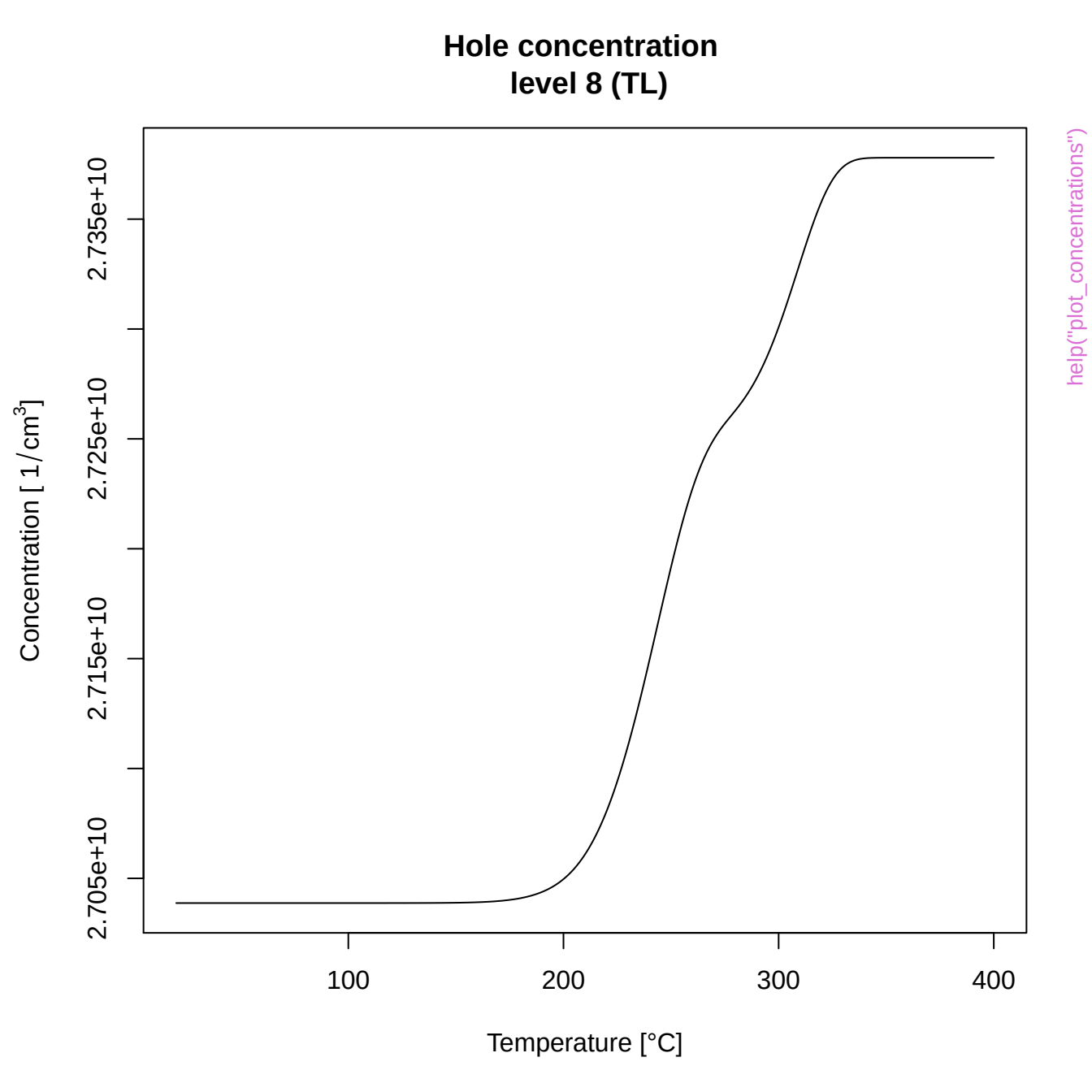

Electron concentration
level 3 (TL)
Concentration [1/cm3]
0.0e+00
5.0e+07
1.0e+08
1.5e+08
100
200
300
400
Temperature [°C]
help("plot_concentrations")

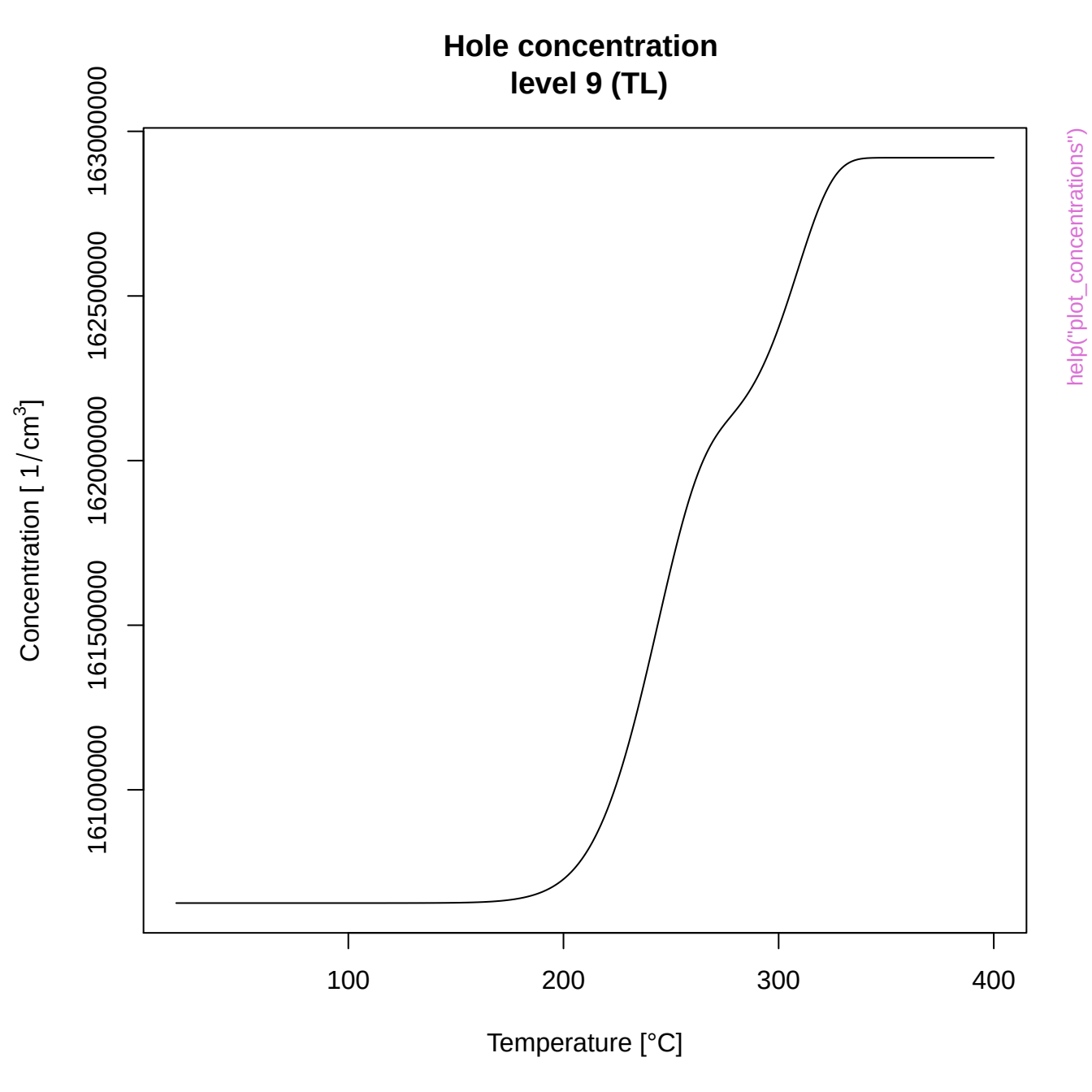

Electron concentration
level 4 (TL)
Concentration [1/cm3]
0.0e+00
5.0e+06
1.0e+07
1.5e+07
100
200
300
400
Temperature [°C]
help("plot_concentrations")

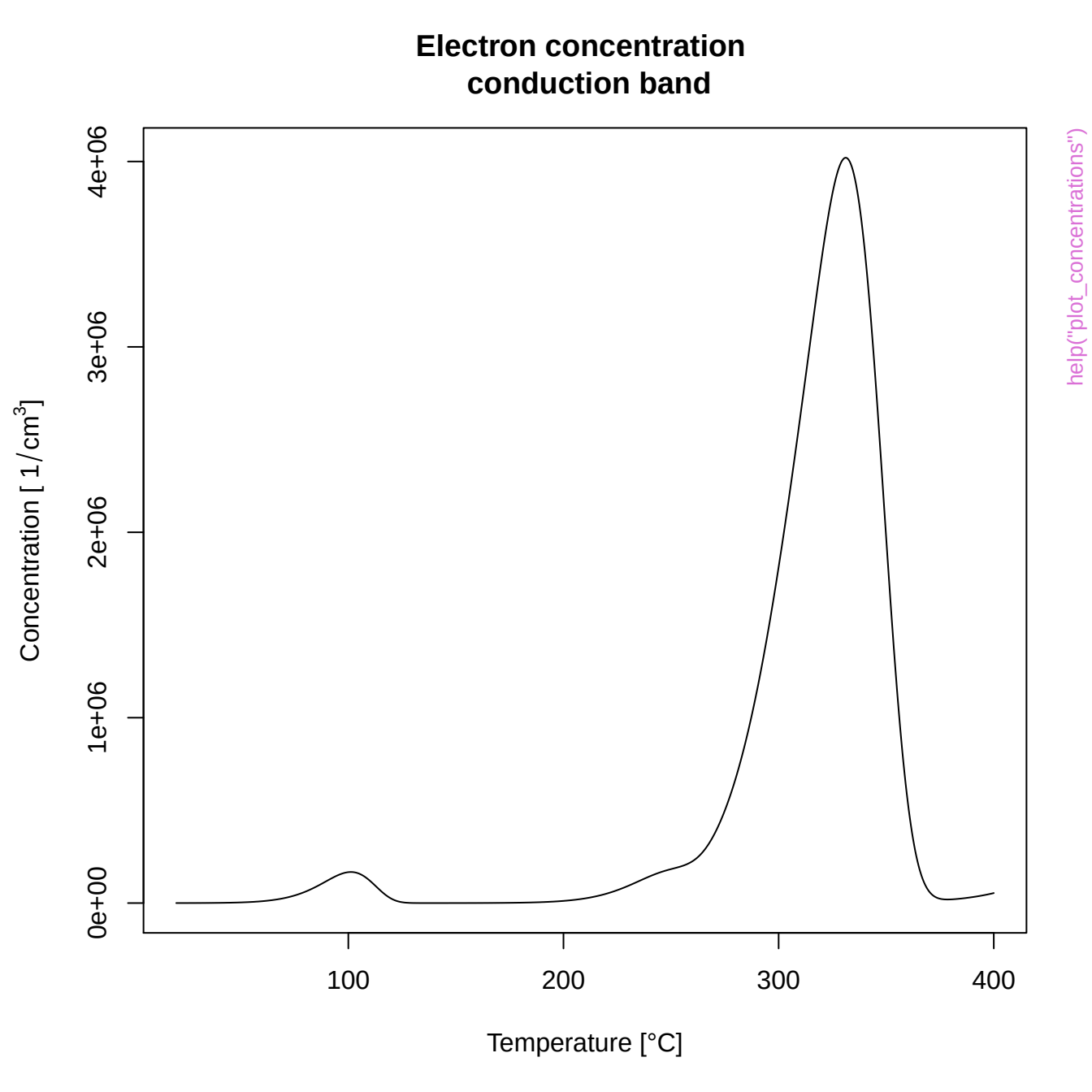

Electron concentration
level 5 (TL)
Concentration [1/cm3]
2.708e+10
2.710e+10
2.712e+10
2.714e+10
2.716e+10
100
200
300
400
Temperature [°C]
help("plot_concentrations")

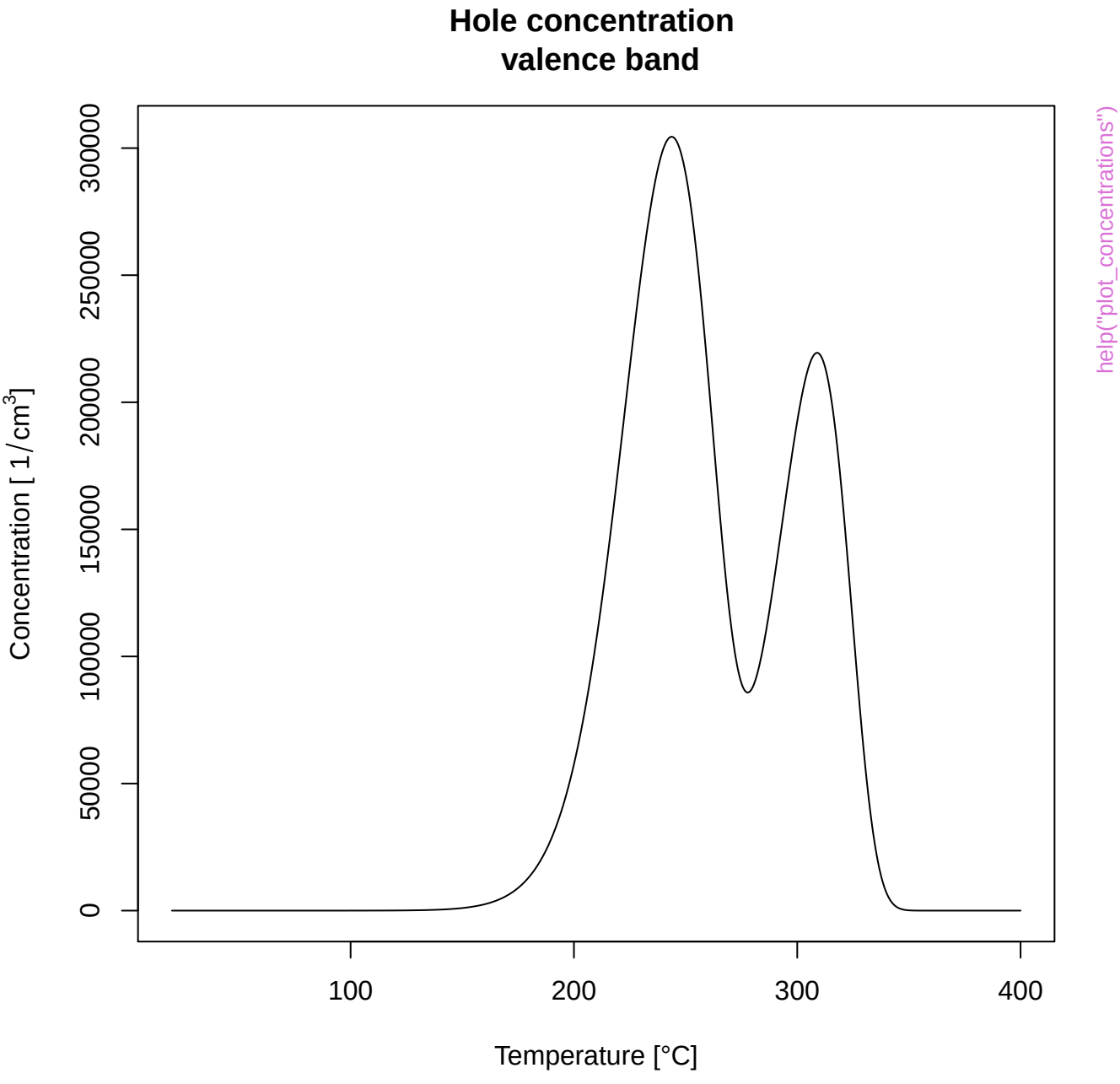

Hole concentration
level 6 (TL)
Concentration [1/cm3]
0.0e+00
5.0e+07
1.0e+08
1.5e+08
2.0e+08
2.5e+08
100
200
300
400
Temperature [°C]
help("plot_concentrations")


Hole concentration
level 7 (TL)
Concentration [1/cm3]
0.0e+00
2.0e+07
4.0e+07
6.0e+07
8.0e+07
1.0e+08
1.2e+08
100
200
300
400
Temperature [°C]
help("plot_concentrations")


Hole concentration
level 8 (TL)
Concentration [1/cm3]
2.705e+10
2.715e+10
2.725e+10
2.735e+10
100
200
300
400
Temperature [°C]
help("plot_concentrations")


Hole concentration
level 9 (TL)
Concentration [1/cm3]
161000000
161500000
162000000
162500000
163000000
100
200
300
400
Temperature [°C]
help("plot_concentrations")


Electron concentration
conduction band
Concentration [1/cm3]
0e+00
1e+06
2e+06
3e+06
4e+06
100
200
300
400
Temperature [°C]
help("plot_concentrations")


Hole concentration
valence band
Concentration [1/cm3]
0
50000
100000
150000
200000
250000
300000
100
200
300
400
Temperature [°C]
help("plot_concentrations")