Analysing ERD-ToF data with Allegria in 5 minutes

1) Download the example:
   - Windows user, download the following file: http://www.lps.umontreal.ca/~schiette/Allegria/files/TOFexample.zip (case sensitive). This file contains the program and a data file used for this example.
   - Linux user, you must previously have compiled and installed *Allegria*. Then, download the following file: http://www.lps.umontreal.ca/~schiette/Allegria/files/TOFexample.gz (data only)
2) Unzip this file in a new directory. (Path name may not contain spaces and letters with accents or other unusual characters.) Linux users must also copy their executable files *SpectrumExtractor*, *Allegria* and *erd2003.exe* to this directory.
3) Fire up *SpectrumExtractor* from this directory.
4) Open an event file:
   - Select "File > Open event file" from the menu.
   - Select the file "glass.dat" located in the "Data" subdirectory.
5) Select "Display > Recall display > m vs E" from the menu.
6) Click on the following elements in the periodic table: B, O, Si, Na, K, Qa.
   - Qa is actually a dummy element that we will use to extract ^{10}B, while ^{11}B is specified by element B.
7) Select "Projections > Energy Projection" from the menu. Spectra for the selected elements should show up.
8) Save the mass-separated spectra: select "File > Write energy spectra in separate files" from the menu, and go to the directory where the file "glass.dat" was located. Click OK.
9) Exit *SpectrumExtractor*

10) Fire up *Allegria*.
11) Open the "Experimental Parameters" dialog by selecting "Conversion > Experimental parameters" from the menu.
12) Click the "Select Dir" button and browse down to the directory where the spectra extracted in the previous steps are stored. Click "Ok".
13) Click "Ok" to close the "Experimental Parameters" dialog.
14) Start the conversion: select "Conversion > Go" from the menu. If every thing goes well, Windows users should see a DOS window with a message at the bottom: "Iteration 1 starting", then 2, and then 3. Linux users will see the same in the console from which they started *Allegria*. The resulting profiles (after 3 iterations) will show up in the "Depth profiles" window.
15) You may zoom the profiles by clicking in the graph region and dragging the mouse over the profiles. To unzoom, right-click and select unzoom. Depth profiles data can be saved in a single, multi-column file by selecting "File > Write Depth Profiles in a single file" from the menu. This is a practical format for importation into your preferred graph plotting program. Data saved in this format cannot be reloaded into *Allegria* though, you must manually reload them one by one from the Data directory.