Documentation for the software tool for analysing optical emission spectra

# Style Guide

The default style guide that is followed is the PEP 8. The full description can be found here: <https://pep8.org/>. Because it is a general style guide, there are complements for specific cases in the software:

Classes:

* Each class is defined in a separate file.
* The name of the class is the same as the name of the file (except the ending obviously)
* Methods of the class are named in…
  + … camelCase, if the method has to be recognized by the Qt-backend, e.g. events like dragEnterEvent
  + … snake\_case, if the method is independent of the Qt-backend, like file\_open

User Interface (UI)

* Elements are named in camelCase and follow the convention “type”+”name”, e.g. btnClear where “btn” is the type and “Clear” is the name of the button.
* Groups of elements are named in PascalCase, e.g. BtnParameters are several parameters grouped.
  + Might be important for loop-implementation
* Overview of abbreviations for naming elements
  + btn 🡪 button
  + cb 🡪 checkbox
  + list 🡪 list
  + tin 🡪 text input
  + tout 🡪 text output
  + act 🡪 action
  + menu 🡪 menu
  + fout 🡪 file output
  + dd 🡪 dropdown
  + bar 🡪 progress bar
  + lbl 🡪 label
  + mpl 🡪 plot from matplotlibary
  + layout 🡪 horizontal/vertical layout