

# Triple axis resolution workshop



Date: June 14

Place: Faculty of Mathematics and Physics, Ke Karlovu 5, seminar room of the Department of condensed matter physics

## Workshop program:

Workshop will be organized as a Hands-On Session. You will need your own laptop with Windows/Linux/macOS; only open source software will be used. We will evaluate real experiment data from three axis spectrometer PUMA using Python scripting in Jupyter notebook. Data will be convoluted with instrument resolution.

- 09:00 **Data evaluation with Python** (01h30')

We will use `ufit` as a library to read, visualize, treat and fit measured data.

- 10:30 Coffee (00h30')

- 11:00 **Convolution and fitting** – (01h30')

We will use `takin` to convolute our model with instrument resolution and fit the experimental data.

- 12:30 Lunch

- 13:30 **Free discussion**, problem solving

The workshop is free, preliminary registration by e-mail:

[cermak@mag.mff.cuni.cz](mailto:cermak@mag.mff.cuni.cz)