

## **Data analysis of X-ray absorption spectroscopy data**

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This tutorial provides the practical basic for the analysis of XAFS data, in the near edge (XANES) and extended (EXAFS) regions. The objective is to accompany the student through the XAFS data analysis, from data pre-treatment and normalization to the analysis of XANES (linear combination analysis-LCA) and then to the fit of EXAFS data with a multi-shell structural model.

The tutorial will be on-line; in order to speed up the procedures the students are invited to download and install the software that will be used for the experiment:

- DEMETER program (<https://bruceravel.github.io/demeter/>) *Mandatory*
- VESTA (<https://jp-minerals.org/vesta/en/>) *suggested*
- Fityk (<https://fityk.nieto.pl/>) *suggested*