CH-810

Synchrotron Diffraction & Scattering Methods

Queen Wendy Lee

Cursus	Sem.	Type
Chemistry and Chemical Engineering		Opt.

Language of teaching	English
Credits	2
Session	
Exam	Project report
Workload	60h
Hours	**55**
Lecture	20
Exercises	15
Practical work	20
Number of positions	**20**

Frequency

Only this year

Remark

Registration via https://sites.google.com/view/bm01school2024

Summary

The aim of this school is to familiarize the participants with the various data that can be acquired using state-of-the-art synchrotron diffraction tools, ranging from standard powder and single crystal diffraction to surface scattering (at grazing incidence angle) and in-situ or operando experiment

Content

This five day school aimed at ETH and EPFL PhD students provides access to a state-of-the-art synchrotron beamline (BM01) where experts will give theoretical and practical insight into the use of advanced scattering and diffraction characterization techniques for materials research. The school will take place from May 13-17, 2024 at the European Synchrotron Radiation Facility in Grenoble, France.

Keywords

Synchrotron, diffraction, scattering, summer school

Resources

Websites

- https://sites.google.com/view/bm01school2024

Moodle Link

- https://go.epfl.ch/CH-810