

Casati Nicola, Various lecturers

Cursus	Sem.	Туре	Language of	English
Materials Science and Engineering		Obl.	teaching	English
			Credits	2
			Session	
			Exam	Oral
			Workload	60h
			Hours	34
			Courses	23
			Exercises	9
			TP	2
			Number of	40
			positions	

Frequency

Every 2 years

Summary

Modern synchrotron-radiation methods not only provide data of exceptional quality, but have allowed previously inaccessible experiments to be performed. The school will give a broad overview of all possibilities using synchrotron radiation, including hands-on practicals.

Content

https://www.epfl.ch/research/domains/ccmx/courses-and-events/pds2020/?mc_cid=186eab633f&mc_eid=1f0a525ce4

Keywords

powder diffraction, x-rays, neutron diffraction

Learning Prerequisites

Important concepts to start the course

Participants are supposed to be already familiar with both the fundamentals of crystallography and X-ray powder diffraction.

Assessment methods

Oral discussion with tutors, participants will also be asked to present a poster

Resources

Websites

• https://www.epfl.ch/research/domains/ccmx/courses-and-events/pds2020/?mc_cid=186eab633f&mc_eid=1f0a525ce4

