

Rønnow Henrik M., Zivkovic Ivica				
Cursus	Sem.	Туре	Language of	English
Physics		Obl.	teaching	Linglish
			Credits	3
			Session	
			Exam	Oral
			Workload	90h

Frequency

Every 2 years

Remark

Postponed to fall 2020

Summary

This course allows students to learn the details of selected experimental techniques in solid state physics with some theoretical background. After the course students should be able to use presented techniques in their own research and advance their knowledge by studying the subject further.

Content

Presented experimental techniques:

- 1) Charge transport
- 2) Magnetization
- 3) Magnetic susceptibility
- 4) Specific heat
- 5) Thermal conductivity
- 6) Electron spin resonance
- 7) Nuclear magnetic resonance
- 8) Angle-resolved photo-emission spectroscopy
- 9) Resonant x-ray scattering
- 10) Neutron scattering

Learning Prerequisites

Required courses N/A

Recommended courses N/A

Expected student activities

to understand advantages and disadvantages of presented techniques, to plan and use those techniques within his PhD project



42

28

14

Hours

Courses

Number of positions

Exercises