

Summerschool – MPG-UBC-UTokyo Center: “X-rays for the study of quantum materials”
26.09. – 29.09.2023

Tuesday, 26.09.2023		
from 16:00	Registration	Foyer MPI CPfS
17:00–19:00	Get-together	Wintergarden MPI CPfS

Wednesday, 27.09.2023	Photoemission	Seminar rooms 1-3
8:00-9:00	Registration	
9:00-9:30	Welcome and introduction	Hao Tjeng
9:30-11:30	Probing the Electronic Structure of Complex Systems by ARPES	Andrea Damascelli
11:30-12:00	Coffee break	
12:00-13:00	Theoretical description of photoemission: One step model	Jan Minar
13:00-14:00	LUNCH – Cafeteria	
14:00-16:00	Rare Earth 4f Electrons: Extreme Challenge for Band Theory	Jim Allen ONLINE
16:00-16:30	Coffee break	
16:30-18:30	Photoelectron spectroscopy: important basic ideas	George Sawatzky ONLINE
19:00-20:00	DINNER - Cafeteria	
20:00-21:00	Poster Session 1	PhD+Postdocs

Thursday, 28.09.2023	X-ray absorption	Seminar rooms 1-3
9:00-11:00	X-ray absorption spectroscopy and x-ray magnetic circular dichroism	Frank de Groot
11:00-11:30	Photo & Coffee break	
11:30-12:30	Coherent X-ray imaging of 3D magnetic systems	Claire Donnelly
12:30-13:30	Resonant Elastic X-ray Scattering of Complex Electron Systems	Jochen Geck
13:30-14:30	LUNCH – Cafeteria	
14:30-15:30	Resonant soft x-ray reflectometry for the investigation of orbital depth profiles in complex oxide superlattices	Eva Benckiser
15:30-16:30	Time-resolved soft x-ray microscopy	Gisela Schütz
16:30-17:00	Coffee break	
17:00-18:00	Beyond dipole transition: a powerful spectroscopy tool	Andrea Severing/ Hao Tjeng
18:00-19:00	RIXS and INS	Bernhard Keimer
19:00-20:00	DINNER - Cafeteria	
20:00-21:00	Poster Session 2	PhD+Postdocs

Friday, 29.09.2023	VB-RIXS	Seminar rooms 1-3
8:30-10:30	Calculating photoemission, x-ray absorption and RIXS with QUANTY	Maurits Haverkort
10:30-11:00	Coffee break	
11:00-13:00	High resolution Resonant Inelastic X-ray Scattering (RIXS) for the study of strongly-correlated and novel material	Giacomo Ghiringhelli
13:00-14:00	LUNCH – Cafeteria	
14:00-15:00	Probing spin dynamics with RIXS in magnonic materials	Valentina Bisogni
15:00-16:00	Tender x-ray RIXS	Hlynur Gretarsson
16:00-16:15	Closing remarks	Hao Tjeng