



ICFO - IMPRS joint workshop 2023

19 - 21 April 2023



IMPRS
for Quantum Science and Technology
INTERNATIONAL MAX PLANCK RESEARCH SCHOOL



planqc



QUSIDE

Program

Wednesday 19th

9:00 - 9:30	Opening speech
9:30 - 10:30	Prof. Acín - Certifying ground-state properties of many-body systems
10:30 - 11:30	Prof. Sainz - Quantum resources from non-classical phenomena
11:30 - 12:00	Coffee break
12:00 - 13:00	Student talks
13:00 - 15:00	Group photo + Lunch
15:00 - 16:00	Prof. Tura - Preparation and verification of tensor network states
16:00 - 18:00	Poster Session

Thursday 20th

09:30 - 10:30	Prof. Zeiher - Quantum simulation and computation with arrays of neutral atoms
10:30 - 11:30	Prof. Tarruell - TBC
11:30 - 12:00	Coffee break
12:00 - 13:15	Student talks
13:15 - 15:00	Lunch
15:00 - 16:00	Prof. von Delft - Tensor Networks for Quantum Physics and Beyond: an Overview
16:00 - 17:00	Industry session
17:00 - 20:00	Free time / Discussions
20:00	Conference dinner

Program

Friday 21st

09:30 - 10:30	Prof. Weitz - Complex quantum phases in flat-band van-der-Waals systems: making, controlling and measuring by quantum transport
10:30 - 11:30	Prof. Koppens - Nanocavities, nano-imaging, and quantum technologies with twisted and stacked 2D materials
11:30 - 12:00	Coffee break
12:00 - 13:15	Student talks
13:15 - 15:00	Lunch
15:00 - 16:00	Prof. Mitchell - Quantum sensing with atoms and light
16:00 - 16:30	Closing Ceremony
