

Internal K4 meeting and site visit of the MQV Geschäftsstelle

Location:

Herbert-Walther Lecture Hall, Max-Planck-Institute for Quantum Optics,
Hans-Kopfermann-Str. 1, 85748 Garching

Schedule

- 9:30h Welcome address (Igancio Cirac / Michael Knap / Johannes Hauschild)
- 9:45h Presentation WP1 *Fundamental Concepts in quantum computing*
Janis Nötzel: Overview of the work package
Janis Nötzel: (TBA: in-depth talk)
- 10:30h Coffee break and informal discussions
- 11:00h Presentation WP2 *Quantum algorithms*
Kai Schmidt: Work package overview
Sebastian Paeckel: **Beyond adiabatic quantum state preparation**
- 11:45h Lunch break (at MPQ)
- 12:45h Presentation WP3 *Characterization, validation, and certification*
Frank Pollmann: Work package overview
Johannes Knolle: **Fractionalized prethermalization in a driven quantum spin liquid**
- 13:30h Coffee break and informal discussions
- 13:45h Presentation WP4: *Optimized fault-tolerance, error mitigation and control*
Robert König: Work package overview
Florian Marquardt: **Discovering Quantum Circuits and Quantum Error Correction via Reinforcement Learning**
- 14:30h Guest presentation:
Dimitar Ostrev (DLR): **Classical product code constructions for quantum Calderbank-Shor-Steane code**
- 15:00h Internal K4 organization and feedback session / coffee and informal discussion
Geschäftsstelle: closed session
(Departure Guests)
- 15:30h Closed session of PIs and Geschäftsstelle
- 16:00h Debriefing PIs
Departure Geschäftsstelle
- 16:15h Departure PIs