



16 September 2024

13:00-13:30 | Immanuel Bloch, Welcome talk

13:30-14:00 | Elizaveta Andriyakhina, "Quantum Fluctuations and Collective Modes in Disordered 2D Superconductors"

14:00-14:30 | Serafim Babkin, "Proximity-induced gapless superconductivity in two-dimensional Rashba semiconductor in magnetic field"

14:30-15:00 | Haoyu Hu, "Heavy-fermion physics and superconductivity in twisted bilayer graphene"

15:30-16:00 | Coffee Break

16:00-16:30 | Fabrizio Berritta, "Real-time Quantum Control of Qubits"

16:30-17:00 | Matthias Bock, "From two-partite entanglement on a kilometer scale to multi-partite entanglement on a micrometer scale"

17:00-17:30 | Nadine Leisgang, "Quantum control of interlayer excitons in atomically thin semiconductor heterostructures"

17:30-18:00 | Carmem Maia Gilardoni, "Single quantum coherent spins in hexagonal boron nitride at ambient conditions"

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09:00-09:30 | Hannah Lange, "Combining transformer neural networks and quantum simulators: A hybrid approach to simulating quantum many-body systems"

09:30-10:00 | Sara Murciano, "Alice, Bob and the quantum ice-cream"

10:00-10:30 | Luisa Eck, "Generalizations of Kitaev's honeycomb model from braided fusion categories"

10:30-11:00 | Coffee Break

11:00-11:30 | Deepankur Thureja, "Electrically defined quantum dots for neutral excitons"

11:30-12:00 | Nathanan Tantivasadakarn, "Non-Abelian topological order from wavefunction collapse on a trapped-ion quantum processor"

12:00-12:30 | Jann Hinnerk Ungerer, "Spin-Photon Entanglement"

12:30-13:30 | Lunch at MPQ

13:30-15:30 | Poster Session, Networking

19:00-21:00 | Closing Dinner with Finalists, Announcement of Prizes

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