

DECEMBER, 8

- 1:00 PM
- REGISTRATION
- 1:30 PM
- INTRODUCTION
- DIM QuanTiP and MCQST
- 2:00 PM
- NADEZHDA KUKHARCHYK
- Walther-Meißner-Institute
- Electron spin ensembles for microwave quantum communication
- 2:30 PM
- ELENI DIAMANTI
- LIP6, Sorbonne University, CNRS
- Quantum networking resources and applications
- 3:00 PM
- MOSTAFA ABASIFARD
- TUM, School of Natural Sciences
- Quantum Communication using single photon emitters in 2D materials
- 3:20 PM
- COFFEE BREAK
- 3:50 PM
- STEFAN FILIPP
- Walther-Meißner-Institute & TUM
- Optimal Control for Robust Quantum Operations and Multi-Qubit State Engineering in Superconducting Circuits
- 4:20 PM
- SIMON APERS
- IRIF, Paris Cité University, CNRS
- Self-concordant Schrödinger operators: spectral gaps and optimization without condition numbers
- 4:50 PM
- IVAN ASHKARIN
- LAC
- Long-range CPhase gates via radio-frequency-induced Förster resonances
- 5:10 PM
- ROUNDTABLE
- Philippe Grangier
- Eleni Diamanti
- Stefan Filipp
- Tatjana Wilk
- Hélène Perrin
- Paris Region
- 6:10 PM
- COCKTAIL AND POSTER SESSION
- 9:00 PM
- END OF THE DAY



PROGRAM

DECEMBER, 9

- 8:45 AM
- ARRIVAL
- 9:10 AM
- FRANK POLLMANN
- TUM, School of Natural Sciences
- Exploring the Dynamics of Quantum Phases of Matter on Quantum Processors
- 9:40 AM
- THOMAS CHALOPIN
- LCF, Paris-Saclay University, CNRS
- Universal non-Gaussian statistics of the order parameter in the superfluid transition
- 10:10 AM
- RICHARD MILBRADT
- TUM, School of CIT
- Utilizing Tree Tensor Networks for Classical Simulation of Quantum Systems
- 10:30 AM
- COFFEE BREAK
- 11:00 AM
- SAÏDA GUELLATI-KHELIFA
- LKB, Sorbonne University, CNRS
- Probing the spatial distribution of k-vectors in-situ with Bose-Einstein condensate
- 11:30 AM
- DOMINIK BUCHER
- TUM, School of Natural Sciences
- Optically addressable spin systems in diamond and proteins for quantum sensing and imaging
- 12:00 AM
- SARA MURCIANO
- LPTMS
- Quantum sensing with critical systems: advantages and challenges
- 12:20 AM
- LUNCH AND POSTER SESSION
- 2:00 PM
- ALEXEI OURJOUNSTEV
- Collège de France
- Protecting collective qubits from non-Markovian dephasing
- EMILY WRIGHT
- Walther-Meißner-Institute
- Superconducting Qubit Gates Robust to Parameter Drifts and Fluctuations
- LOVRO ANTO BARIŠIĆ
- LPENS
- Downfolding a quantum many-body system: the quasi-1D Fermi polaron
- AHMED BARAKAT
- TUM, School of CIT
- Dynamic Stark and Autler-Townes Splittings in Classical Systems
- 3:20 PM
- CLOSING WORD
- 3:30 PM
- LAB TOURS