Quantum Information Division
Fachverband Quanteninformation (QI)

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Overview of Invited Talks and Sessions

(Lecture halls BEY/0137, BEY/0245, and BEY/0E17; Poster P4)

Invited Talks

QI 2.1	Mon	9:30–10:00	BEY/0245	**Advances in Frequency-Multiplexed Readout and Subsequent Qubit-State Reset** — •Benjamin Lienhard, Shivang Arora, Emily Guo, Priyanka Yashwantrao, Patryk Dabkowski, Stefan Filipp
QI 4.1	Mon	15:00–15:30	BEY/0245	**Reducing Noise, Complexity, and Optimization Barriers in Quantum Simulations of Strongly Correlated Systems** — •Werner Dobrautz
QI 6.1	Tue	9:30–10:00	BEY/0245	**Erbium dopants for quantum networks** — •Andreas Reiserer
QI 11.1	Wed	9:30–10:00	BEY/0245	**Nb-trilayer Josephson junction based parametric amplifiers for microwave frequency signals** — •Lukas Grünhaupt
QI 15.7	Thu	11:30–12:00	BEY/0137	**Robust shadow tomography: from quantum simulation to high-energy physics** — •Hai-Chau Nguyen
QI 16.1	Thu	9:30–10:00	BEY/0245	**Measurement-free universal fault-tolerant quantum computation** — •Friederike Butt, Ivan Pogorelov, Alex Steiner, Marcel Meyer, Thomas Monz, Markus Müller, Robert Freund
QI 18.1	Thu	15:00–15:30	BEY/0245	**Multipartite Quantum states from guided-wave structures** — •Virginia D'Auria, Adrien Bensemhoun, Silvia Cassina, Carlos Gonzalez-Arciniegas, Mohamed Fauzi Melalkia, Giuseppe Patera, Jonathan Faugier-Tovar, Quentin Wilmar, Ségolène Olivier, Alessandro Zavatta, Anthony Martin, Jean Etesse, Laurent Labonté, Sébastien Tanzilli
QI 21.1	Fri	9:30–10:00	BEY/0245	**Non-Hermitian topology and directional amplification** — •Clara Wanjura

Sessions

QI 1.1–1.11	Mon	9:30–12:45	BEY/0137	**Quantum Computing and Algorithms I**
QI 2.1–2.10	Mon	9:30–12:45	BEY/0245	**Implementations I**
QI 3.1–3.12	Mon	15:00–18:30	BEY/0137	**Quantum Simulation**
QI 4.1–4.11	Mon	15:00–18:30	BEY/0245	**Quantum Manybody Systems (joint session QI/TT)**
QI 5.1–5.10	Tue	9:30–12:30	BEY/0137	**Quantum Computing and Algorithms II**
QI 6.1–6.10	Tue	9:30–12:45	BEY/0245	**Implementations II**
QI 7.1–7.6	Tue	9:30–11:00	BEY/0E17	**Quantum Thermodynamics**
QI 8.1–8.6	Tue	14:00–15:30	BEY/0137	**Implementations III**
QI 9.1–9.6	Tue	14:00–15:30	BEY/0245	**Decoherence and Open Systems I**
QI 10.1–10.11	Wed	9:30–12:45	BEY/0137	**Quantum Information: Concepts and Methods I**
QI 11.1–11.10	Wed	9:30–12:45	BEY/0245	**Implementations IV**
QI 12.1–12.10	Wed	15:00–18:00	BEY/0137	**Quantum Foundations**
QI 13.1–13.10	Wed	15:00–18:00	BEY/0245	**Quantum Control**
QI 14.1–14.28	Wed	18:00–21:00	P4	**Quantum Information Poster Session**
QI 15.1–15.9	Thu	9:30–12:30	BEY/0137	**Quantum Information: Concepts and Methods II**

QI 16.1–16.10	Thu	9:30–12:45	BEY/0245	**Quantum Software**
QI 17.1–17.8	Thu	15:00–17:30	BEY/0137	**Decoherence and Open Systems II**
QI 18.1–18.9	Thu	15:00–18:00	BEY/0245	**Quantum Communication**
QI 19	Thu	18:00–19:00	BEY/0245	**Members' Assembly**
QI 20.1–20.8	Fri	9:30–12:00	BEY/0137	**Metrology and Sensing**
QI 21.1–21.10	Fri	9:30–12:45	BEY/0245	**Quantum Information: Concepts and Methods III**

Members' Assembly of the Quantum Information Division

Thursday 18:00–19:00 BEY/0245