

List of Talks - QI Seefeld, June 21-26, 2026

SUNDAY, JUNE 21

20:30-22:00	Ignacio Cirac	MPQ Garching	Quantum Computing and Many-Body Systems
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MONDAY, JUNE 22

09:00-10:00	Antonio Acin	ICFO Barcelona	Certified many-body physics
10:30-11:00	Pavel Sekatski	Uni Geneva	Detecting entanglement with minimal assumptions
11:00-11:30	Ramona Wolf	UIBK	Why modelling randomness requires going beyond standard quantum information theory
16:00-16:30	Julio de Vicente	Universidad de Madrid	Entanglement in noisy quantum networks and graph connectivity
16:30-17:00	Sofiene Jerbi	FU Berlin	Entanglement theory with limited computational resources
17:00-17:30	Otfried Gühne	Uni Siegen	Complexity of multiparticle quantum states

TUESDAY, JUNE 23

09:00-10:00	Misha Lukin	Harvard	Exploring quantum computing frontier with neutral atom systems
10:30-11:00	Dagmar Bruss	Uni Düsseldorf	Certification of non-projective measurements
11:00-11:30	Rahul Trivedi	MPQ Garching	Quantum Memory and Autonomous Computation in Two Dimensions
16:00-16:30	Angela Capel	Cambridge	Quantum Gibbs Sampling for CSS Codes
16:30-17:00	Daniel Malz	KU Copenhagen	Measurement-induced entanglement in shallow random circuits

WEDNESDAY, JUNE 24

09:00-09:30	Hannes Pichler	UIBK & IQOQI Ibk	Resource-state quantum RAM
09:30-10:00	Daniel Manzano	Uni Granada	Quantum machine learning for entanglement detection and complex networks analysis
10:30-11:00	Frank Verstraete	Cambridge	Entanglement and duality in quantum spin systems
11:00-11:30	Jens Eisert	FU Berlin	Quantum resources under computational constraints

THURSDAY, JUNE 25

09:00-09:30	Dmitry Grinko	Uni Amsterdam	Quantum algorithms from representation theory
09:30-10:00	Nicolai Friis	TU Vienna	Multipartite Quantum Resources and Where to Find Them
10:30-11:00	Richard Küng	JKU Linz	An infinite hierarchy of quantum-enhanced learning advantages
11:00-11:30	Vedran Dunjko	Leiden University	Theoretical and practical advances in quantum machine learning algorithms

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16:00-17:00	Anna Sanpera	ICREA & Uni Barcelona	Absolute (everything) revisited
17:00-17:30	Mio Murao	Uni Tokyo	Higher-order quantum learning algorithms for quantum channels
FRIDAY, JUNE 26			
09:00-10:00	Matthias Christandl	Uni Copenhagen	Fault-tolerant quantum input/output
10:30-11:00	Damian Markham	CNRS Paris	Applications and security for networks of quantum sensors
11:00-11:30	David Elkouss	OIST	Computational Cryptography from Pseudoentanglement