

IQOQI Summer School

September 09 - 13, 2024

	Monday Sept. 09, 2024	Tuesday Sept. 10, 2024	Wedn.	Thursday Sept. 12, 2024	Friday Sept. 13, 2024
8:30 - 9:00				Welcome to Innsbruck	
9:00 - 10:00	Welcome Desk Opening Remarks			Quantum many-body physics & quantum computing with neutral atoms <i>Hannes Pichler</i>	Measurement-induced phase transitions in quantum many-body systems <i>Lukas Sieberer</i>
10:00 - 11:00	Quantum Coordinates and Relativity of Superpositions <i>Caslav Brukner</i>	Quantum Nonlocality <i>Miguel Navascues</i>			
11:00 - 12:00	Coffee Break	Coffee Break		Coffee Break	Coffee Break
12:00 - 13:00	Quantum Sources of Gravity in Experiments <i>Markus Aspelmeyer</i>	Why Quantum Theory? <i>Markus Müller</i>		Ultracold Atoms and Fermi Gas Experiments <i>Rudolf Grimm</i>	Superconducting Quantum Circuits <i>Gerhard Kirchmair</i>
13:00 - 14:00	Lunch Break	Lunch Break			
14:00 - 15:00	Quantum Sources of Gravity in Experiments <i>Markus Aspelmeyer</i>	Table Top Quantum Gravity Theory: A status report <i>Marios Christodoulou</i>	Arrival in Ibk	Dipolar Quantum Gases <i>Francesca Ferlaino</i>	The Quantum Way of Doing Computations <i>Rainer Blatt</i>
15:00 - 16:00	Discussion <i>Caslav Brukner / Markus Aspelmeyer</i>	Discussion <i>M. Navascues / M. Müller / M. Christodoulou</i>			
16:00 - 17:00	Coffee Break	Coffee Break		Coffee Break	Coffee Break
17:00 - 18:00	Why Quantum Theory? <i>Markus Müller</i>	Quantum Nonlocality <i>Miguel Navascues</i>	<i>Cultural Program</i>	Single Highlights - right out of our labs! <i>Cosetta Baroni, Manoj Joshi, Teresa Hönl-Deccrinis, Manfred Mark</i>	Lab Tours
18:00 - 19:00	Break	Break			
19:00 - 20:00	Table Top Quantum Gravity Theory: A status report <i>Marios Christodoulou</i>	Quantum Coordinates and Relativity of Superpositions <i>Caslav Brukner</i>			<i>END of EVENT</i>
	Poster Session			Poster Session	
	Meet & Greet	<i>Dinner (at a "Heuriger")</i>		Pizza & Drinks	