

THE FIRST JOINT COQUS AND IMPRS-QST  
**SUMMER SCHOOL**

TU WIEN, ATOMINSTITUT, VIENNA  
 18TH - 22ND SEPTEMBER 2017

# STUDENT TALKS TIMETABLE

	Wednesday 20th September		Thursday 21st September	
	Session 1 Lecture Hall (ZD EG 01)	Session 2 Seminar Room (ZD EG 10)	Session 3 Lecture Hall (ZD EG 01)	Session 4 Seminar Room (ZD EG 10)
1630-1700	<b>Toptica Presentation*:                      Dr Jan Schaefer</b> Lasers for Quantum Optics  *To take place in Lecture Hall		<b>Matthias Zens</b>  Non-Markovian quantum dynamics in the strong-coupling limit of cavity QED	<b>Flaminia Giacomini</b> Quantum systems as reference frames
1700-1705				
1705-1730	<b>Elisa Will</b>  Quantum optical circulator controlled by a single chirally coupled atom	<b>Yuri Minoguchi</b>  What can Leggett-Garg Inequalities tell us about Quantum Tunnelling?	<b>Antonio Rubio</b>  Measuring local properties in a disordered Bose-Hubbard system	<b>Giulia Rubino</b>  Violating Bell's Inequalities to verify Indefinite Causal Orders
1730-1735				
1735-1800	<b>Eleanor Crane</b>  Controlling qubits of a silicon-based digital quantum computer with dopant Rydberg states	<b>Nicola Pancotti</b>  Almost Conserved Local Operators in MBL systems	<b>Sebastian Scherg</b>  Observation of a Single-Particle Mobility Edge in a One-Dimensional Bichromatic Lattice	<b>Dominic Williamson</b> Symmetry-enriched topological order in tensor networks
1800-1805				
1805-1830	<b>Ralf Riedinger</b>  Single Phonons from a Nanomechanical Resonator	<b>Simon Weidinger</b>  The Loschmidt-Echo in the O(N)-model	<b>Johannes Knoerzer</b>  Acoustic Traps and Lattices for Electrons in Semiconductors	<b>Alexander Schuckert</b> Non-equilibrium dynamics of spin-systems using 2PI effective action methods