

Programme on
“Quantum Simulation - from Theory to Application”
September 2 – October 31, 2019

organized by

Tommaso Calarco (Forschungszentrum Jülich), Wolfgang Lechner (U Innsbruck, IQOQI), Jörg Schmiedmayer (TU Vienna), Philip Walther (U Vienna)

Talks

September 17 – 20, 2019

Tuesday, September 17, 2019

11:00 – 12:00 **Marek Gluza**

Quantum read-out for cold atomic quantum simulators

14:00 – 15:00 **Spyros Sotiriadis**

Correlation Functions of the Quantum Sine-Gordon Model in and out of Equilibrium

Wednesday, September 18, 2019

10:00 – 11:00 **Hatem Elshatlawy**

Difficult Use-Cases for Near-Term Quantum Computers

11:00 – 12:00 **Simone Notarnicola**

Quantum simulation of Abelian lattice gauge theories with interacting Rydberg atoms

Friday, September 20, 2019

10:00 – 11:00 **Tommaso Calarco**

Taming a very fat Schrödinger cat

All talks take place at ESI, Boltzmann Lecture Hall!