

**Programme on
“Quantum Physics and Gravity”
May 29 – July 6, 2017**

organized by

Markus Aspelmeyer (U Vienna), Caslav Brukner (U Vienna), Domenico Giulini (ZARM Bremen, U Hannover), Daniel Grumiller (TU Vienna), Soo-Jong Rey (Seoul National U)

**Week 1 of the Mini-Workshop on
“Black holes, quantum information and the firewall paradox” (May 29 - June 16, 2017)
May 29 – June 2, 2017**

- **Monday, May 29, 2017**

arrival of first participants

- **Tuesday, May 30, 2017**

10:00 – 11:00 **Karl Landsteiner**

Gravitational anomalies (in) matter

11:00 – 12:00 *coffee / tea break*

12:00 – 13:30 *lunch break and lunch talk at University (Schrödinger lecture hall)*

Giacomo Guarneri

Characterization of heat in non-Markovian open quantum systems

13:30 – 14:15 *lunch break*

14:15 – 15:30 *optional theory seminar at University of Vienna (Schrödinger lecture hall)*

Andjelo Samsarov

Black hole quasinormal modes in twisted models of matter minimally coupled to gravity

- **Wednesday, May 31, 2017**

11:00 – 11:30 *coffee / tea break*

11:30 – 12:30 **Emeri Sokatchev**

Dualities for Wilson loop form factors

12:30 – 14:30 *lunch break*

- **Thursday, June 1, 2017**

09:00 – 11:00 *free discussions*

11:00 – 11:30 *coffee / tea break*

11:30 – 12:30 *free discussions*

12:30 – 14:30 *lunch break*

14:30 – 15:30 *optional CFT seminar at TU Wien*

Abhiram Mamandur Kidambi

Entanglement entropy in gauge theories

- **Friday, June 2, 2017**

11:00 – 11:30 *coffee / tea break*

11:30 – 12:30 **Max Riegler**

Spectral Flow and Flat Space Holography in 3D

12:30 – 14:30 *lunch break*

14:30 – 15:30 **Frank Verstraete**

Introduction to tensor networks

All talks take place at the ESI, Boltzmann Lecture Hall (unless mentioned otherwise)!