

37th LQP Workshop "Foundations and Constructive Aspects of QFT" Programme

Friday 15 January 2016

14:15 Welcome

14:30 - 15:10 Michal Wrochna (Grenoble) Extending quantum fields across the de Sitter conformal boundary

15:10 - 15:50 Marco Benini (Potsdam) Abelian duality on globally hyperbolic spacetimes

15:50 - 16:30 Christian Pfeifer (Hannover) [speaker] and Daniel Siemssen (Warszawa) General linear electrodynamics: Classical and quantum theory

COFFEE (Schlauch)

17:10 - 17:50 Nicolas Franco (Namur, BE) Apparition of causal relations on Moyal spacetime using noncommutative geometry

17:50 - 18:30 Tomasz Miller (Krakow) Causality in non-local quantum physics

19:30 **DINNER**

Saturday 16 January 2016

9:00 - 9:40 Francesco Bussola (Pavia) Quantum graviton Feynman propagator in Schwarzschild spacetime

9:40 - 10:20 Thomas Zilker (Erlangen) Operator ordering in LQG and the Duflo map

COFFEE (Schlauch)

10:50 - 11:30 Carlos Ignacio Perez Sanchez (Münster) The melonic approximation in colored tensor field theories

11:30 - 12:10 Giovanni Collini (Leipzig) Fedosov quantization and Quantum Field Theories

LUNCH BREAK

14:00 - 14:40 Francesco Fidaleo (Roma 2) Nonconventional ergodic theorems for quantum dynamical systems

14:40 - 15:20 Simone Murro (Regensburg) Fermionic Projector and Hadamard states

Room: HS 3 (main floor)

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