



DOKTORATSKOLLEG GRAZ

"Hadrons in Vacuum, Nuclei and Stars"

GRADUATE DAYS

Institute of Physics / Theoretical Physics, Graz

March 30-31, 2017

HS 05.12

Universitätsplatz 5

8010 Graz

30th of March

15:00 – 16:15

Dr. Gonzalo Olmo, University of Valencia , ES

Quantum Field Theory in Curved Spacetimes. Hawking Radiation and Primordial Perturbations

16:15-16:45 Coffee break

16:45 – 18:00

Prof. Dr. Fernando Barbero, Institute for the Structure of Matter (IEM-CSIC), ES

Loop Quantum Gravity

18:00 – 19:15

Prof. Dr. Renate Loll, Radboud University, NL

Causal Dynamical Triangulations - Motivation and Set-Up



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31th of March

9:00 – 10:15

Prof. Dr. Renate Loll, Radboud University, NL

Causal Dynamical Triangulations - Results

10:15 – 10:45 Coffee break

10:45 – 12:00

**Prof. Dr. Fernando Barbero, Institute for the Structure of Matter (IEM-
CSIC), ES**

Black Holes in Loop Quantum Gravity

12:00-13:15 Lunch break

13:15 – 14:30

Dr. Gonzalo Olmo, University of Valencia , ES

Unruh effect. Moving Mirrors

14:30 – 15:15

Discussion of the Doctoral Students with the Speakers