

Quantum Gravity meets Lattice QFT



Report of Contributions

Contribution ID: 9

Type: **not specified**

Matrix Membranes

Monday 3 September 2018 09:00 (1 hour)

Presenter: O'CONNOR, Denjoe

Contribution ID: **10**

Type: **not specified**

Deep learning and AdS/CFT

Monday 3 September 2018 10:00 (1 hour)

Presenter: HASHIMOTO, Koji

Contribution ID: **11**

Type: **not specified**

Black Holes in D0 Brane Quantum Mechanics

Monday 3 September 2018 11:30 (1 hour)

Presenter: BERKOWITZ, Evan (Forschungszentrum Jülich)

Contribution ID: 12

Type: **not specified**

Loop Quantum Gravity on the Lattice: Examples and Surprises

Monday 3 September 2018 14:30 (1 hour)

Presenter: DAPOR, Andrea (University Of Erlangen-Nürnberg)

Contribution ID: 13

Type: **not specified**

Simulations of supersymmetric and near conformal gauge theories on the lattice

Monday 3 September 2018 16:00 (1 hour)

Presenter: BERGNER, Georg (Friedrich-Schiller-Universität Jena)

Contribution ID: 14

Type: **not specified**

SU(N) gauge theories beyond large N: universalities of spectral ratios

Tuesday 4 September 2018 09:00 (1 hour)

Presenter: LUCINI, Biagio (Swansea University)

Contribution ID: 15

Type: **not specified**

Lyapunov exponents and entanglement generation in realtime simulations of the ungauged BFSS matrix model

Tuesday 4 September 2018 10:00 (1 hour)

Presenter: BUIVIDOVICH, Pavel (Regensburg University)

Contribution ID: 16

Type: **not specified**

Lattice quantum gravity and its continuum limit in the group field theory formalism

Presenter: ORITI, Daniele (Max Planck Institute For Gravitational Physics)

Contribution ID: 17

Type: **not specified**

A dual field theory for boundary gravitons in 4D

Tuesday 4 September 2018 14:30 (1 hour)

Presenter: DITTRICH, Bianca (Perimeter Institute For Theoretical Physics)

Contribution ID: **18**

Type: **not specified**

Calculating Entanglement entropy on the lattice

Wednesday 5 September 2018 16:00 (1 hour)

Presenter: RABENSTEIN, Andreas (Universität Regensburg)

Contribution ID: **19**

Type: **not specified**

Superstrings on the Lattice

Wednesday 5 September 2018 09:00 (1 hour)

Presenter: FORINI, Valentina (University Of London)

Contribution ID: 20

Type: **not specified**

Lattice N=4 Supersymmetric Yang—Mills

Wednesday 5 September 2018 10:00 (1 hour)

Presenter: SCHAICH, David (University of Bern)

Contribution ID: **21**

Type: **not specified**

TBA

Wednesday 5 September 2018 11:30 (1 hour)

Presenter: DVALI, Gia

Contribution ID: 22

Type: **not specified**

Ungauging the gauge/gravity duality

Wednesday 5 September 2018 14:30 (1 hour)

Presenter: RINALDI, Enrico (RIKEN - BNL Research Center)

Contribution ID: 23

Type: **not specified**

The gauge/gravity correspondence for the BFSS matrix model

Thursday 6 September 2018 09:00 (1 hour)

Presenter: ISHIKI, Goro (University of Tsukuba)

Contribution ID: 24

Type: **not specified**

What's at the edge of 3d quantum gravity?

Presenter: RIELLO, Aldo (Perimeter Institute For Theoretical Physics)

Contribution ID: 25

Type: **not specified**

Perturbative gravity and the link to gauge theory

Thursday 6 September 2018 11:30 (1 hour)

Presenter: DAMGAARD, Paul (Niels Bohr Institute)

Contribution ID: 26

Type: **not specified**

Supersymmetric gradient flow

Thursday 6 September 2018 14:30 (1 hour)

Presenter: KADOH, Daisuke

Contribution ID: 27

Type: **not specified**

Hot Spaghetti

Thursday 6 September 2018 16:00 (1 hour)

Presenter: MÜLLER, Berndt

Contribution ID: 28

Type: **not specified**

Loop Quantum Gravity: a general-covariant lattice gauge theory

Friday 7 September 2018 09:00 (1 hour)

Presenter: VIDOTTO, Francesca (University of The Basque Country UPV/EHU)

Contribution ID: 29

Type: **not specified**

Finite 't Hooft coupling corrections to gauge fields in AdS/CFT

Friday 7 September 2018 10:00 (1 hour)

Presenter: WAEBER, Sebastian (Universität Regensburg)

Contribution ID: 30

Type: **not specified**

Holographic Signatures of Resolved Cosmological Singularities: Numerical Investigations

Friday 7 September 2018 11:30 (1 hour)

Presenter: MELE, Fabio M. (University Of Regensburg)

Contribution ID: 31

Type: **not specified**

Real Time Quantum Gravity Dynamics from Classical Statistical Yang-Mills Simulations

Tuesday 4 September 2018 16:00 (1 hour)

Via Skype

Presenter: ROMATSCHKE: (VIA SKYPE), Paul (CU Boulder)

Contribution ID: 33

Type: **not specified**

Lattice quantum gravity and its continuum limit in the group field theory formalism

Thursday 6 September 2018 10:00 (1 hour)

Presenter: ORITI, Daniele (Max Planck Institute For Gravitational Physics)

Contribution ID: 34

Type: **not specified**

What's at the edge of 3d quantum gravity?

Tuesday 4 September 2018 11:30 (1 hour)

Presenter: RIELLO, Aldo (Perimeter Institute For Theoretical Physics)

Contribution ID: 35

Type: **not specified**

Introductory speech by Prof. J. Wambach