

Physik-Combo

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Tuesday, 26 March 2024 10:25 (5 minutes)

Contribution ID: 2

Type: **not specified**

Open quantum systems: from Brownian motion to quantum gravity

Tuesday, 26 March 2024 10:30 (1 hour)

Presenter: VIRRUETA, Julio

Contribution ID: 3

Type: **not specified**

Q&A

Tuesday, 26 March 2024 11:30 (15 minutes)

Contribution ID: 4

Type: **not specified**

Effective Spin foam models for quantum gravity

Tuesday, 26 March 2024 14:00 (1 hour)

Presenter: ASANTE, Seth Kurankyi

Contribution ID: 5

Type: **not specified**

Q&A

Tuesday, 26 March 2024 15:00 (15 minutes)

Contribution ID: 6

Type: **not specified**

Kodama-like Vector Fields in Axisymmetric Spacetimes

Tuesday, 26 March 2024 16:00 (35 minutes)

We present a Kodama-like time translation symmetry in a non-stationary axisymmetric spacetime, characterized by a timelike vector field with an associated conserved current. In the asymptotically flat region, the charge of this current coincides with the ADM mass. These findings are significant for advancing the study of quantum field theory in dynamical backgrounds and, in particular, the evaporation of rotating black holes.

Presenter: DORAU, Philipp

Contribution ID: 7

Type: **not specified**

Introducing the BDNK theory

Tuesday, 26 March 2024 16:35 (35 minutes)

Presenter: SØRENSEN, Mads

Contribution ID: 8

Type: **not specified**

Open quantum systems: from Brownian motion to quantum gravity

Wednesday, 27 March 2024 09:00 (1 hour)

Presenter: VIRRUETA, Julio

Contribution ID: 9

Type: **not specified**

Q&A

Wednesday, 27 March 2024 10:00 (15 minutes)

Contribution ID: **10**

Type: **not specified**

Conformal Blocks from the Oscillator Construction in 4d

Wednesday, 27 March 2024 10:45 (35 minutes)

Presenter: WÖLFL, Katharina

Contribution ID: 11

Type: **not specified**

An L4 quantum energy inequality for the thermal sector

Wednesday, 27 March 2024 11:20 (35 minutes)

Presenter: SANGALETTI, Leonardo

Contribution ID: 12

Type: **not specified**

From QFT to Hydrodynamic Transport Coefficients

Wednesday, 27 March 2024 11:55 (35 minutes)

Presenter: STÖTZEL, Tim

Contribution ID: 13

Type: **not specified**

Significance of relativistic corrections in atoms interacting with gravity

Wednesday, 27 March 2024 14:15 (35 minutes)

Presenter: VAN MANEN, Linda

Contribution ID: 14

Type: **not specified**

Q&A

Contribution ID: 15

Type: **not specified**

Cosmological Scattering Potentials and their Quantum Simulation

Wednesday, 27 March 2024 14:50 (35 minutes)

Presenter: SCHMIDT, Christian

Contribution ID: 17

Type: **not specified**

Fellow & PI meetings

Tuesday, 26 March 2024 17:55 (1 hour)

Contribution ID: 25

Type: **not specified**

Schwinger-Keldysh in Holography

Tuesday, 26 March 2024 11:45 (35 minutes)

Presenter: SIELING, Christoph

Contribution ID: 26

Type: **not specified**

Elements formation in radiation-hydrodynamics simulations of kilonovae

Tuesday, 26 March 2024 17:10 (35 minutes)

Presenter: MAGISTRELLI, Fabio

Contribution ID: 27

Type: **not specified**

Status of the RTG

Tuesday, 26 March 2024 17:45 (10 minutes)

Presenter: GIES, Holger (TPI, FSU Jena)