

Session Program

26–28 Sept 2018



Quantum Fields – from Fundamental Concepts to Phenomenological Questions

Characterizing Quantum Spacetime

Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430
Staudingerweg 9 / 2nd floor, 55128 Mainz

Wednesday 26 September

11:00

Characterizing Quantum Spacetime

Session |

Location: Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430, Staudingerweg 9 / 2nd floor, 55128 Mainz

11:00–11:45 **Anti-Newtonian Expansions and the Functional Renormalization Group**

Speaker

Dr Max Niedermaier

11:45–12:30 **The problem of vacuum in quantum gravity: a view from Asymptotic Safety**

Speaker

Dr Alfio Maurizio Bonanno

12:30

Thursday 27 September

09:00

Characterizing Quantum Spacetime

Session |

Location: Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430, Staudingerweg 9 / 2nd floor, 55128 Mainz

09:00–09:45 **Quantum gravity and the search for observables**

Speaker

Prof. Renate Loll

09:45–10:30 **Geometric operators in Asymptotic Safety**

Speaker

Dr Carlo Pagani

10:30

11:00

Characterizing Quantum Spacetime

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11:00–11:45 **Is Lorentz symmetry relevant?**

Speaker

Dr Benjamin Knorr

11:45–12:30 **Towards a predictive ultraviolet completion for quantum gravity and the Standard Model**

Speaker

Dr Astrid Eichhorn

12:30