

Stuttgarter Physikalisches Kolloquium

Fachbereich Physik, Universität Stuttgart
Max-Planck-Institut für Festkörperforschung
Max-Planck-Institut für Intelligente Systeme

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Dienstag, 17. April 2018

17:15 Uhr

Hörsaal V 57.01

Universität Stuttgart, Pfaffenwaldring 57, 70569 Stuttgart-Vaihingen

Gastgeber: Prof. Christian Holm, Universität Stuttgart, Telefon: 0711 - 685-63701

Gravity, Quantum Fields and Information

Michal P. Heller

MPI for Gravitational Physics

Abstract

The talk will focus on the question how complicated is a given many-body wave function and what such complexity of states may have to do with the emergence of spacetime and gravitational force from a more fundamental microscopic description. Based on arXiv:1707.08582 [hep-th], to appear in Physical Review Letters, and on ongoing research at Albert Einstein Institute.