



EINLADUNG

im Rahmen des Seminars für Mathematische Physik

zum Vortrag

von

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(Iceland U.)

über

***„Entanglement entropy at non-equilibrium
in holography“***

Abstract:

In recent years, holographic models have proved to be successful at studying far-from-equilibrium physics. This provides a new approach to studying quantum quenches in strongly coupled systems. In this talk, based on ArXiv:1705.04696, I will focus on the local quench-like time evolution obtained by joining two 1+1 dimensional heat baths at different temperatures. I will present results for the entanglement entropy of different entangling regions obtained by adapting the time-dependent Hubeny-Rangamani-Takayanagi prescription. The interest of this study relies on the presence of emergent collective behavior, which can provide insight into the interplay between quantum effects and out of equilibrium physics.

Zeit: Dienstag, 28.11.2017, 14:00

Ort: Erwin-Schrödinger-Hörsaal, Fakultät für Physik,
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gez.: S. Fredenhagen, D. Grumiller