



EINLADUNG

im Rahmen des Seminars für Mathematische Physik

zum Vortrag

von

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über

„Holographic Entanglement Density“

Abstract:

We will study the way in which the entanglement entropy of a holographic quantum system becomes the thermodynamic entropy, at finite temperature, as we vary the size of the entangling region. For this purpose, we will concentrate on the holographic entanglement entropy using the Ryu-Takayanagi prescription. We will study the holographic entanglement per unit volume, to understand how the Infrared degrees of freedom can affect the way in which the entanglement entropy becomes extensive. In particular, we will show that the holographic entanglement density will become over-extensive and develop a peak, for intermediate scales.

Zeit: Dienstag, 05.12.2017, **14:00**

Ort: **TU Wien**, Freihaus, SEM 136, 10. Stock, Wiedner Hauptstr.
8-10, 1040 Wien

gez.: D. Grumiller, S. Fredenhagen