



EINLADUNG

im Rahmen des Literaturseminars

zum Vortrag

von

Claus Kiefer

(University of Cologne)

über

„Quantum Geometrodynamics of Einstein and Conformal Gravity“

ABSTRACT:

I discuss the canonical quantization of general relativity and Weyl-squared gravity. I present the classical and quantum constraints and discuss their similarities and differences.

I perform a semiclassical expansion and discuss the emergence of time for the two theories. While in the first case semiclassical time has a scale and a shape part, in the second case it only has a shape part. I also address the relevance of these results for the general problem of understanding quantum gravity.

Ref.: C. Kiefer and B. Nikolic, J.Phys.Conf.Ser. 880 (2017) no.1, 012002 (open access) and references therein

Zeit: Freitag, 24.11.2017, 11:00

**Ort: Arbeitsgruppe Gravitation, Währinger Straße 17, Raum 218,
2. Stock**

gez.: P. Chrusciel