



EINLADUNG

im Rahmen des Seminars für Mathematische Physik
(Joint TU/UV Theory Seminar)

zum Vortrag

von

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über

„Gravity as graded spacetime (quantum) mechanics“

Abstract:

Electromagnetic interactions can be introduced by a deformation of the canonical commutation relations, as a slightly more general alternative to the usual minimal coupling prescription. We show that the same is true for gravitational interactions, but graded manifolds are required. As an application we present a slick derivation of the bosonic part of the supergravity (string effective) action. The construction provides a novel, somewhat more algebraic interpretation of the key ingredients of general relativity. The mathematical setting is Hitchin's generalized geometry.

Zeit: Dienstag, 11.12.2018, **13:45**

Ort: Technische Universität Wien, **Getreidemarkt 9**,
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gez.: S. Fredenhagen, D. Grumiller, D. Erkiner, R. Wutte