



EINLADUNG

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

zum Vortrag

von

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über

„A YM-like theory with infinite many fields“

Abstract:

I will talk about the progress we have made in defining a massless field theory on a flat background with infinite many fields. It is a YM-like theory which includes also gravity, as well as tower of tensors with increasing spin. It has been derived inspired by the worldline quantization. It has a large HS gauge symmetry which includes also diffeomorphisms. I will explain its main properties and then I will show how to perturbatively quantize it. I will show as well how to define physical amplitudes and, in particular, that its is free of ghosts. It has a hidden symmetry, gauge-fixed in the initial formulation, which can be unfolded at the price of introducing nonlocalities, but I will argue that such nonlocalities are a gauge artifact. I will compare our results with the existing no-go theorems about massless HS theories in flat background.

Zeit: Dienstag, 17.12.2019, 13.45 h

Ort: TU Wien - Wiedner Hauptstraße 8 - **Red Area**, 7th floor,
Seminar Room (DC 07 A15)

gez.: S. Fredenhagen, D. Grumiller, C. Zwikel, T. Schimannek