



# INVITATION

as part of the Mathematical Physics Theory Seminar

to the talk by

**Axel KLEINSCHMIDT**

(MPI for Gravitational Physics, Potsdam)

on

***“From exceptional geometry to matrix models“***

**Abstract:**

Gravity-matter systems with non-abelian gauge symmetry can be constructed using the language of exceptional geometry and exceptional field theory.

I will first review some general aspects of this construction and then focus on the case of two-dimensional gravity where one can construct generalizations of Jackiw-Teitelboim gravity, in particular theories that are expected to be dual holographically to the M-theory matrix model.

---

**Time: Tuesday, 8 October 2024, 2:00 p.m.**

**Location: Erwin-Schrödinger-Hörsaal, 1090 Vienna, Boltzmannngasse 5, 5<sup>th</sup> floor**