



# EINLADUNG

im Rahmen des Teilchenphysikseminars

zum Vortrag

von

**Robert Harlander**

RWTH Aachen University

über

***„The perturbative gradient flow“***

## **Abstract:**

The so-called Yang-Mills gradient flow has become a successful concept in lattice calculations during the last few years. Besides its technical virtues in the non-perturbative regime, it was shown to be accessible in perturbation theory as well. In this talk, I present a number of promising applications, among them a potential extraction of  $\alpha_s(M_Z)$  from first-principle calculations, and a novel lattice definition of the energy-momentum tensor.

**Zeit:** Dienstag, 10.12.2019 **16:15**

**Ort:** Erwin-Schrödinger-Hörsaal, Boltzmannngasse 5, 5. Stock

gez.: A. Hoang, S. Plätzer