



Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

Dienstag, 17. Mai 2022

17 Uhr, Geom H4

**Prof. Dr. Kasia Rejzner
(University York)**

**Symmetries and renormalization group in (perturbative) algebraic
quantum field theory**

Abstract:

In this talk I will give an overview of (perturbative) algebraic quantum field theory and explain how it can be applied to describe interaction. I will then report on new progress in the description of renormalization group and symmetries, using nets of C^* -algebras. That part is based on a recent paper with Brunetti, Duetsch and Fredenhagen.

**Vor dem Vortrag (ab 16.30 Uhr) stehen im Foyer vor Hörsaal H4
Kaffee und Tee bereit.**