



universität
wien

Fakultät für Mathematik

Mathematisches Kolloquium

EINLADUNG

Alberto Cattaneo
(Universität Zürich)

**"Perturbative quantum gauge theories on manifolds
with boundary"**

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Abstract:

The perturbative functional integral is an important tool in theoretical physics that has started to attract attention in mathematics for two reasons: i) because it allows defining manifold invariants via topological quantum field theories, and ii) because the mathematical structures behind it are extremely interesting. In this talk I will present a short overview of perturbative functional integrals in the presence of symmetries and of boundaries. This is based on joint work with P. Mnev and N. Reshetikhin.

**Zeit: Mittwoch, 1. Juni 2016
15.45 Uhr Kaffeejause,
16.15 Uhr Vortrag,
vinum cum pane im Anschluss**

**Ort: Fakultät für Mathematik,
Oskar-Morgenstern-Platz 1,
Sky Lounge**

Nils Carqueville
Harald Rindler