



# Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

**Dienstag, 26. November 2024**

17 Uhr, Geom H4

Prof. Jens Eberhardt  
(Universität Bonn)

## **Gluing together representations and flag manifolds**

### Abstract:

This talk is about the fascinating interplay of representation theory, geometry and combinatorics.

We will study the intricate ways in which representations and flag manifolds (of reductive groups and Lie algebras) are glued together.

Our main result is a combinatorial description of this gluing data in terms of certain pictures, which we call Fukaya diagrams.

We will illustrate this with many explicit examples and invite the audience to experiment with these diagrams themselves.

The talk is based on joint work with Catharina Stroppel.

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

