UNIVERSITÄT BAYREUTH

Mathematisches Institut

# Einladung zum Mathematischen Kolloquium

Am Donnerstag, **dem 21. Januar 2027**, spricht

Herr Dr. Benjamin Delarue von der Universität Paderborn,

Gast am Lehrstuhl Dynamical Systems and Data bei Herrn Prof. Dr. Péter Koltai,

über das Thema

## Hyperbolic dynamics, spectral theory and deformations


**Abstract**

The field of hyperbolic dynamical systems, such as Anosov and Axiom A flows, has been firmly connected to microlocal and spectral analysis for many years. Recently, a new link to the theory of deformations of discrete subgroups of Lie groups and their associated geometric structures, classically studied within (higher) Teichmüller theory, was established in joint work with Daniel Monclair and Andrew Sanders. I will outline this new connection and briefly mention some applications in Lorentzian geometry and mathematical physics based on joint work with Colin Guillarmou and Daniel Monclair.


Beginn: 16.30 Uhr (Kaffee/Tee ab 16 Uhr im S 748)

Ort: Hörsaal H 19, Gebäude Naturwissenschaften II, Universitätsgelände


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