



## Dr. David Prinz

Mathematical  
Physicist

- 📍 Bonn, DE
- 📍 MPIM Bonn
- ✉ Email
- 📄 ArXiv
- 🔍 iNSPIRE
- 🆔 ORCID

# About me

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Welcome! I am a mathematical physicist working in the area of Quantum Field Theory, General Relativity and Quantum Gravity. I am a postdoctoral fellow at [MPIM Bonn](#). Previously, I was a [Riemann fellow](#) in the group of [Prof Giulini](#). In 2022, I finished my doctoral studies at [HU Berlin](#) in the group of [Prof Kreimer](#) in cooperation with the [IMPRS for Mathematical and Physical Aspects of Gravitation, Cosmology and Quantum Field Theory](#) of the [AEI Potsdam](#).

Find my entry in the Mathematics Genealogy Project [here](#).

Currently, I am the [Postdoc Representative of the MPIM](#) within the [Max Planck PostdocNet](#): Feel free to contact me in case of any institute-related questions or issues (confidentially, of course).

## Research interests

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### Topics I have worked on:

- Renormalization in Quantum Field Theory
- Quantization of Gauge Theories and Gravity
- Mathematical Relativity
- Structure of asymptotically flat spacetimes

## Topics I am keen to learn:

- Algebraic Quantum Field Theory
- BV formalism
- Deformation quantization
- Noncommutative geometry

## You can find my articles here:

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- [ArXiv](#)
- [iNSPIRE](#)
- [ORCID](#)

## Furthermore, you can view some of my recent talks here:

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- [Interdisciplinary junior scientist workshop: Mathematical General Relativity](#)
- [Erwin Schrödinger Institute Vienna, AT](#)
- [University of Potsdam, DE](#)