

PRISMA+ Colloquium

May 3, 2023 at 1 p.m.
Lorentz-Raum, 05-127, Staudingerweg 7

Dr. Ida Zadeh
JGU Mainz

Quantum gravity from conformal field theory

A conformal field theory is a physical theory which is invariant under changes in its length or energy scale. It describes the physics of boiling of water. In this talk, the referent will present how conformal field theory is used as a powerful tool to study quantum gravity. She will discuss how conformal field theories describe quantum properties of a family of black holes, just as quantum mechanics describes the Hydrogen atom.