



CRC 1227
Designed Quantum States of Matter



GUEST LECTURE

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under the Emmy Noether Programme**

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(Guest of Prof. K. Hammerer and Prof. P.O. Schmidt)

Leibniz Universität Hannover

DQ-mat Colloquium

Thursday 30 November 2023, 4.00 pm

Room D326, Welfengarten 1

"Gravitational waves from primordial fluctuations"

The evolution of primordial fluctuations in the early universe is accompanied by a production of gravitational waves. The so-called induced gravitational waves are the cosmic messenger of primordial fluctuations on the smallest scales, which may have been generated during cosmic inflation. In this talk, I will provide a general overview of the induced gravitational waves and discuss how we can use them to probe the primordial universe. At the end, I will focus on signals from the primordial black hole dominated early universe.

All DQ-mat members and all interested are cordially invited to attend.