



TECHNISCHE UNIVERSITÄT
IN DER KULTURHAUPTSTADT EUROPAS
CHEMNITZ

Institut für Physik Physikalisches Kolloquium



Donnerstag, 23.10.2025, 15:30 Uhr

Ort: Reichenhainer Str. 90;

Zentrales Hörsaal- und Seminargebäude, Raum C10.013

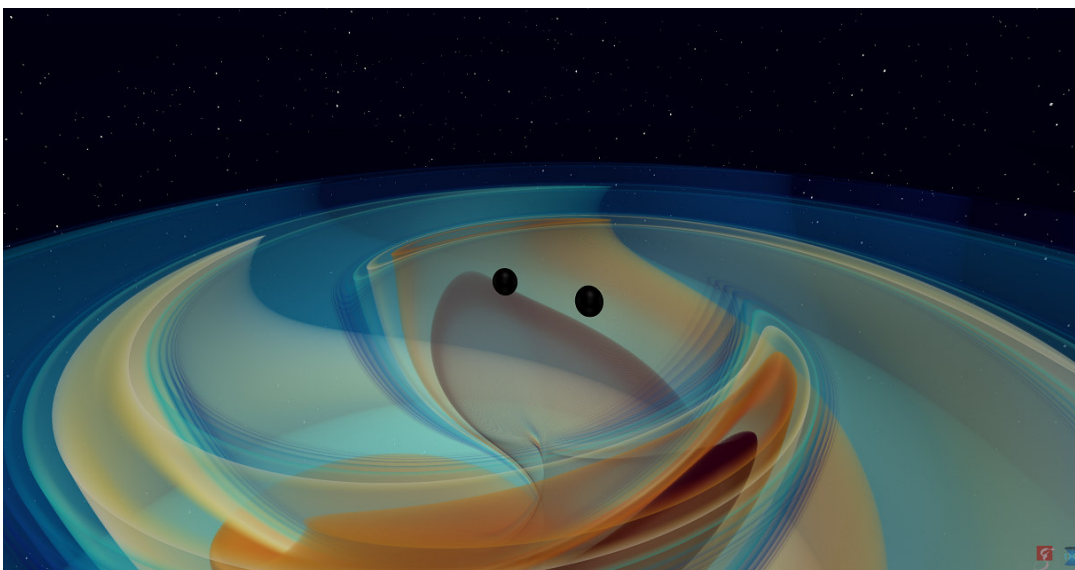
Prof. Dr. Harald Pfeiffer

Max-Planck-Institut für Gravitationsphysik
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Binary black hole coalescence: From numerical relativity to gravitational waves

Several times per hour, a pair of black holes coalesces somewhere in the observable Universe. Direct supercomputer calculations of binary black holes elucidate the dynamics of warped space-time and underpin gravitational wave observations of these systems.

This talk introduces the techniques of such simulations and their application to gravitational wave astronomy, including a summary of current gravitational wave observations of black holes and neutron stars.



Alle Zuhörer sind ab 15:15 Uhr zum Kaffee vor dem Hörsaal eingeladen.