

## Gravitation and Relativity Division Fachverband Gravitation und Relativitätstheorie (GR)

Luciano Rezzolla  
Universität Frankfurt  
Institut for Theoretical Physics  
Max-von-Laue-Strasse 1  
60438 Frankfurt am Main  
rezzolla@itp.uni-frankfurt.de

### Overview of Invited Talks and Sessions

(Lecture halls ZHG008 and ZHG007; Poster ZHG Foyer 1. OG)

#### Invited Talks

GR 1.1	Mon	16:45–17:30	ZHG008	<b>Classical post-newtonian gravitational fields in quantum mechanics</b> — •DOMENICO GIULINI
GR 2.1	Tue	13:30–14:15	ZHG008	<b>Beyond the thick accretion disk model: external influences and their observational consequences</b> — •AUDREY TROVA, EVA HACKMANN, VLADIMIR KARAS, JIŘÍ KOVÁŘ
GR 6.1	Wed	11:00–11:45	ZHG008	<b>Black hole dynamics from a mathematical perspective</b> — •DEJAN GAJIC
GR 10.1	Thu	13:30–14:15	ZHG008	<b>Probing the cosmic large-scale structure beyond the average</b> — •CORA UHLEMANN

#### Invited Talks of the joint Symposium SMuK Dissertation Prize 2025 (SYMD)

See SYMD for the full program of the symposium.

SYMD 1.1	Mon	14:15–14:45	ZHG011	<b>Fluid-dynamic description of heavy-quark diffusion in the quark-gluon plasma</b> — •FEDERICA CAPELLINO
SYMD 1.2	Mon	14:45–15:15	ZHG011	<b>Fast and faithful effective-one-body models for gravitational waves from generic compact binaries</b> — •ROSSELLA GAMBA
SYMD 1.3	Mon	15:15–15:45	ZHG011	<b>Nuclear Structure Near Doubly Magic Nuclei</b> — •LUKAS NIES
SYMD 1.4	Mon	15:45–16:15	ZHG011	<b>Optimisation strategies for proton acceleration from thin foils with petawatt ultrashort pulse lasers</b> — •TIM ZIEGLER

#### Invited Talks of the joint Symposium Quantum Mechanics and Gravity: Current Status (SYDK)

See SYDK for the full program of the symposium.

SYDK 1.1	Thu	10:45–11:15	ZHG008	<b>String Theory at the Edges of Relativity</b> — •NIELS OBERS
SYDK 1.2	Thu	11:15–11:45	ZHG008	<b>The Quantum Einstein Equations in Loop Quantum Gravity</b> — •KRISTINA GIESEL
SYDK 1.3	Thu	11:45–12:15	ZHG008	<b>Causal Dynamical Triangulations: Lattice quantum gravity reloaded</b> — •RENATE LOLL
SYDK 1.4	Thu	12:15–12:45	ZHG008	<b>Taming Quantum Gravity: insights from Asymptotic Safety</b> — •ALESSIA PLATANIA

#### Sessions

GR 1.1–1.4	Mon	16:45–18:30	ZHG008	<b>CQG I</b>
GR 2.1–2.5	Tue	13:30–15:35	ZHG008	<b>Relastro I</b>
GR 3.1–3.4	Tue	14:15–15:35	ZHG007	<b>Rel. Geodesy</b>
GR 4.1–4.5	Tue	16:15–17:55	ZHG008	<b>GW I</b>
GR 5.1–5.4	Tue	16:15–17:35	ZHG007	<b>CQG II</b>

GR 6.1–6.3	Wed	11:00–12:25	ZHG008	<b>BH Physics I</b>
GR 7.1–7.7	Wed	13:30–15:50	ZHG008	<b>Cosmo I, Relastro II, GW II</b>
GR 8.1–8.4	Wed	13:30–14:50	ZHG007	<b>GW III</b>
GR 9.1–9.19	Wed	16:15–18:15	ZHG Foyer 1. OG	<b>Poster</b>
GR 10.1–10.5	Thu	13:30–15:35	ZHG008	<b>Cosmo II</b>
GR 11.1–11.4	Thu	14:15–15:35	ZHG007	<b>BH Physics II, GW IV</b>
GR 12.1–12.2	Thu	16:15–16:55	ZHG008	<b>GW V</b>
GR 13	Thu	17:00–18:15	ZHG008	<b>Members' Assembly</b>
GR 14.1–14.4	Fri	9:00–10:20	ZHG008	<b>Relastro III</b>
GR 15.1–15.4	Fri	11:00–12:20	ZHG008	<b>Cosmo III</b>

### Members' Assembly of the Gravitation and Relativity Division

Thursday 17:00–18:15 ZHG008