

Theoretical and Mathematical Physics Division

Fachverband Theoretische und Mathematische Grundlagen der Physik (MP)

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Overview of Invited Talks and Sessions

(Lecture halls ZEU/0250, HSZ/0003, and HSZ/0304; Poster HSZ OG3)

Plenary Talk of the Theoretical and Mathematical Physics Division

PV VIII Wed 9:00– 9:45 HSZ/AUDI **25 years of the AdS/CFT correspondence: Current status and future prospects** — ●KOENRAAD SCHALM

Invited Talks

MP 1.1	Mon	11:00–11:30	HSZ/0003	Insights from random matrices on dissipative quantum dynamics — ●PEDRO RIBEIRO, LUCAS SÁ, TOMAZ PROSEN
MP 3.1	Tue	11:00–11:30	HSZ/0304	Renormalization of singular stochastic partial differential equations — ●PAWEL DUCH
MP 3.2	Tue	11:30–12:00	HSZ/0304	Integral decomposition of modular operators in QFT — HENNING BOSTELMANN, ●DANIELA CADAMURO, KO SANDERS
MP 3.3	Tue	12:00–12:30	HSZ/0304	Emergence of gravity from conformal field theory — ●NELE CALLEBAUT
MP 6.2	Wed	11:30–12:00	ZEU/0250	Deep neural networks and the renormalization group — ●RO JEFFERSON, JOHANNA ERDMENGER, KEVIN GROSVENOR

Sessions

MP 1.1–1.4	Mon	11:00–12:30	HSZ/0003	Quantum Dynamics and Quantum Information
MP 2.1–2.4	Mon	16:30–18:00	ZEU/0250	Quantum Field Theory I
MP 3.1–3.3	Tue	11:00–12:30	HSZ/0304	Quantum Field Theory II
MP 4.1–4.3	Tue	10:30–14:00	HSZ OG3	Poster
MP 5.1–5.6	Tue	17:00–19:00	ZEU/0250	Scattering Amplitudes and Conformal Field Theory
MP 6.1–6.3	Wed	11:00–12:20	ZEU/0250	AI Topical Day – Neural Networks and Computational Complexity (joint session MP/AKPIK)
MP 7.1–7.4	Wed	14:00–15:20	ZEU/0250	Classical and Quantum Gravity
MP 8	Wed	16:00–17:30	ZEU/0250	Members' Assembly
MP 9.1–9.4	Thu	11:00–12:30	ZEU/0250	AdS/CFT Correspondence and Hydrodynamic Transport
MP 10.1–10.4	Thu	14:00–15:20	ZEU/0250	AdS/CFT Correspondence II
MP 11.1–11.3	Thu	16:00–17:00	ZEU/0250	Quantum Field Theory III (QED and Particle Detection)
MP 12.1–12.2	Thu	17:05–17:45	ZEU/0250	Quantengravitation und Thermodynamik

Members' Assembly of the Theoretical and Mathematical Physics Division

Wednesday 16:00-17:30 ZEU/0250

- Report
- Elections
- Any other business