

"Random geometry and its connections to QFT"

May 19 - 23, 2025

organized by Roland Bauerschmidt, Eveliina Peltola, Ellen Powell, Rémi Rhodes, Eero Saksman

Time measurement: CEST

• Monday, May 19

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08:30 - 09:00	Arrival and Self-Registration
09:00 - 09:05	Welcome by HIM Director Karl-Theodor Sturm
09:20 - 10:20	Fredrik Viklund Free energy of confined planar Coulomb gases
10:20 - 11:00	Coffee break
11:00 - 12:00	Yilin Wang Brownian loop measure on Riemann surfaces and length spectra
12:00 - 15:00	Lunch break
15:00 - 16:00	Shirshendu Ganguly Critical last passage percolation
from 16:00 on	Get-Together

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• Tuesday, May 20

09:20 - 10:20	Ofer Zeitouni
	Extremes for the two dimensional Liouville model
10:20 - 11:00	Group Photo and Coffee break
11:00 - 12:00	Oren Louidor
	Gaussian Free Field on the Tree Subject to a Hard Wall
12:00 - 15:00	Lunch break
15:00 - 16:00	Marek Biskup
	Phase diagram and extremal properties of the hierarchical integer-valued
	GFF
16:00 - 16:30	Coffee break
15:00 - 16:00 16:00 - 16:30	Marek Biskup Phase diagram and extremal properties of the hierarchical integer-valued GFF Coffee break

• Wednesday, May 21

09:20 - 10:20	Ajay Chandra <i>Title to be confirmed</i>
10:20 - 11:00	Coffee break
11:00 - 12:00	Hao Shen Makeenko-Migdal equations for 2D Yang-Mills: from lattice to contin- uum
12:00 - 15:00	Lunch break
15:00 - 16:00	Free Afternoon
16:00 - 16:30	Coffee break

• Thursday, May 22

09:20 - 10:20	Antoine Jego/Guillaume Baverez Integration by parts in random conformal geometry and applications
10:20 - 11:00	Coffee break
11:00 - 12:00	Antoine Jego/Guillaume Baverez Integration by parts in random conformal geometry and applications
12:00 - 15:00	Lunch break
15:00 - 16:00	Nathanaël Berestycki Massive holomorphicity in the near-critical dimer model
16:00 - 16:30	Coffee break

• Friday, May 23

09:20 - 10:20	Semyon Klevtsov Quantum hall states on hyperbolic surfaces
10:20 - 11:00	Coffee break
11:00 - 12:00	Léonie Papon On the scaling limit of interfaces in the critical planar Ising model per- turbed by a (random or not) magnetic field
12:00 - 15:00	Lunch break
15:00 - 16:00	Avelio Sepúlveda Excursion decompositions in statistical physics
16:00 - 16:30	Coffee break