Workshop

"Integrable QFT: conformal bootstrap, bosonization, near-critical perturbations, and Coulomb gas"

June 23 -27, 2025

organized by
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Time measurement: CEST

- **Monday, June 23**

08:30 - 09:15	*Arrival and Self-Registration*
09:15 - 09:20	*Welcome by HIM Director Karl-Theodor Sturm*
09:20 - 10:20	**Kalle Kytölä** *Local fields in lattice models and conformal field theories*
10:20 - 11:00	*Coffee break*
11:00 - 12:00	**Hao Wu** *Commutation relation and BPZ equations*
12:00 - 15:00	*Lunch break*
15:00 - 16:00	**Tom Alberts** *Dubedat Screening and Level Two Non-Degeneracy*
from 16:00 on	*Get-Together*

- **Tuesday, June 24**

09:20 - 10:20	**Alessandro Giuliani** *Anomalous exponents and scaling operators in a 3D fermionic ϕ^4 theory*
10:20 - 11:00	*Group Photo and Coffee break*
11:00 - 12:00	**Masha Gordina** *Fermionic stochastic analysis*
12:00 - 15:00	*Lunch break*
15:00 - 16:00	**Wei Wu** *Massless phases for the Villain model in $d \geq 3$*
16:00 - 16:30	*Coffee break*

- **Wednesday, June 25**

09:20 -10:20	**Xin Sun** *Application of Liouville Quantum Gravity to 2D Percolation*
10:20 - 11:00	*Coffee break*
11:00 - 12:00	**Colin Guillarmou** *Probabilistic construction of H^3 Wess-Zumino-Witten CFT*
12:00 - 15:00	*Lunch break*
15:00-16:00	**Free Afternoon**
16:00 - 16:30	*Coffee break*

- **Thursday, June 26**

09:20 - 10:20	**Yi-Zhi Huang** *The representation theory of vertex operator algebras, conformal bootstrap and Segal's axioms*
10:20 - 11:00	*Coffee break*
11:00 - 12:00	**Nikolai Barashkov** *Small deviations of Gaussian multiplicative chaos and the free energy of the two-dimensional massless Sinh-Gordon model*
12:00 - 15:00	*Lunch break*
15:00 - 16:00	**Eric Schippers** *A geometric interpretation of the Grunsky operator*
16:00 - 16:30	*Coffee break*

- **Friday, June 27**

09:20 - 10:20	**André Henriques** *The functorial formalism for chiral 2d CFT: definition, and methods for constructing examples*
10:20 - 11:00	*Coffee break*
11:00 - 12:00	**Ilya Losev** *Probabilistic Schwarzian Field Theory*
12:00 - 15:00	*Lunch break*
15:00 - 16:00	**Babtiste Cercle** *Towards solvability of Toda Conformal Field Theories*
16:00 - 16:30	*Coffee break*