

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

• **Tuesday, June 24**

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

• **Wednesday, June 25**

09:20 - 10:20	<b>Xin Sun</b> <i>Application of Liouville Quantum Gravity to 2D Percolation</i>
10:20 - 11:00	<i>Coffee break</i>
11:00 - 12:00	<b>Colin Guillarmou</b> <i>TBA</i>
12:00 - 15:00	<i>Lunch break</i>
15:00-16:00	<b>Free Afternoon</b>
16:00 - 16:30	<i>Coffee break</i>

- **Thursday, June 26**

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

- **Friday, June 27**

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