

# The Statistical Physics of Continuum Particle Systems with Strong Interactions (29 Aug 2022–09 Sep 2022)

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There are no recordings for the talks.

Name & Affiliation	Talk Title
Yacin Ameur Lund University, Sweden	The perfect freezing transition and its characterization in terms of Beurling-Landau densities
Anirban Basak International Centre for Theoretical Sciences, TIFR, India	Spectral properties of random perturbations of non-self-adjoint operators
Alexander Bufetov Aix-Marseille University, France	<i>Tutorial</i> Determinantal point processes and random entire functions
Sung-Soo Byun Korea Institute for Advanced Study, Korea	Various scaling limits of planar symplectic ensembles
Amir Dembo Stanford University, USA	Limit law for line ensembles of Brownian polymers with geometric area tilts
Yogeshwaran Dhandapani Indian Statistical Institute, Bangalore, India	Limit theorems for continuum interacting particle systems
Doug Hardin Vanderbilt University, USA	Asymptotics of short-range energy minimizing N-point configurations on drectifiable sets
Thomas Leblé Université Paris Cité, France	<i>Tutorial</i> Fluctuations of two-dimensional Coulomb gases
Mathieu Lewin Université Paris Dauphine, France	<i>Tutorial</i> Coulomb and Riesz gases: a review of what's known and unknown
Alon Nishry Tel Aviv University, Israel	Hole events for Gaussian complex zeros and quadrature domains
Hirofumi Osada Chubu University, Japan	The rigidity of translation invariant random point fields implies sub-diffusivity
Mircea Petrache Pontificia Universidad Católica de Chile, Chile	Recovering discrete Fourier spectra from random perturbations

Name & Affiliation	Talk Title
Lakshmi Priya Tel Aviv University, Israel	Zeros of stationary Gaussian processes: overcrowding estimates & a phase transition
Simona Nodari Rota Université Côte d'Azur, France	Renormalized Energy Equidistribution and Local Charge Balance in Coulomb Systems
Gregory Schehr Sorbonne Université, France	Noninteracting fermions in a rotating trap and random matrix theory
Tomoyuki Shirai Kyushu University, Japan	Zeros of the i.i.d. Gaussian Laurent series on an annulus
Mikhail Sodin Tel Aviv University, Israel	Random Weierstrass zeta-function
Rongfeng Sun National University of Singapore, Singapore	A new correlation inequality for Ising models with external fields
Balint Virag University of Toronto, Canada	Bisectors in random plane geometry <i>Tutorial</i> Random plane geometry- a gentle introduction
Oren Yakir Tel Aviv University, Israel	Random polynomials near the unit circle
Dmitry N. Zhaporozhets St. Petersburg State University, Russia	Convex hulls of random walks