"The Lush World of Random Matrices", Zif, Bielefeld, Sep-Dec 2025

	Monday 27/10	Tuesday 28/10	Wednesday 29/10	Thursday 30/10	Friday 31/10
9-9:45	Satya Majumdar Resetting Dyson Brownian Motion	Jorge Kurchan From random matrices to eigenstate thermalization	Gernot Akemann Non-Hermitian random matrix symmetry classes and β-ensembles	Alice Guionnet Large deviations for structured Gaussian matrices	Joseph Baron Perturbative approaches in random matrix theory
9:45-10:30	Thibaut Arnoulx de Pirey Transitions driven by multibody interactions in an effective model of active matter	Giorgio Cipolloni Universality of the spectral form factor	Yan V. Fyodorov Eigenvector ergodization in non-Hermitian RMT: two exactly solvable cases	Alexander K. Hartmann Large-deviation simulations for random matrices	Fabian Aguirre-Lopez Mean-field approaches for complex systems with network structure
10: 30-11:00	Coffee break				
11:00-11:45	Giulia Garcia Lorenzana Interactions and migration rescuing ecological diversity	Zdzislaw Burda How long will the richest remain the richest?	Reimer Kuehn On Sample Auto-Covariance Matrices	Giuseppe Del Vecchio Del Vecchio Trapped fermions and hole probabilities	Nirbhay Patil Block Structured Ginibre Matrices - Eigenvalue Spectra, Applications, and other Curiosities
11:45-12:30	Mylene Maida 2d Yang-Mills theory on the torus: stochastic, combinatorial and topological aspects	Thomas Guhr Random Matrices and Multivariate Distributions in Correlated, Non-Stationary Complex Systems	Gregory Schehr Large Deviations in Switching Diffusion: from Free Cumulants to Dynamical Transitions	Pierre Le Doussal A mean-field theory for heterogeneous random growth with redistribution	
12:30 -14:30	Lunch at Zif				
14:30:15:15	Jamal Najim Statistical properties of Equilibria in large Lotka-Volterra systems of ODE coupled by large random matrices	Vadim Gorin How weak are weak factors? Uniform inference for signal strength in signal plus noise models	Poster talks (14:30-15:30) Liza Schonlau Juan José Ochoa	Lucas Benigni Eigenvalue distribution of the Neural Tangent Kernel under a quadratic scaling	
15:15-16:00	Tobias Galla Dynamics of random Lotka-Volterra systems	Bhargavi Srinivasan Intrinsic Geometry of the Stock Market from Graph Ricci Flow	Free discussion	Elizaveta Safonova Density of states correlations in Lévy Rosenzweig-Porter model via supersymmetry approach	
16:00-18:00	Free discussion				
18:15-19:30	Public Lecture: Herbert Dawid The effect of algorithmic decision making in markets				
19:30-	Dinner at Zif		Conference dinner		