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

	Monday 08/09	Tuesday 09/09	Wednesday 10/09	Thursday 11/09	Friday 12/09
9-10	Speicher Entry-wise application of non-linear functions on orthogonally invariant random matrices	Cerny Complexity and its concentration	Sur Quantifying the effect of distribution shift in min-norm interpolation	Subag Disordered Gibbs measures and Gaussian conditioning	Burda Nonlinear shrinkage estimators of large-dimensional covariance matrices for correlated samples
10-10: 30	Coffee break				
10:30-11:30	Mahoney Random Matrix Theory & Modern Machine Learning	Mourrat A numerical method for the asymptotics of matrix spherical integrals	Urbani Dynamical decoupling between generalization and overfitting in large neural networks	Potters/ Bousseyroux R-transforms and Spherical Integrals for large non-Hermitian matrices (minicourse)	Piccolo Global spectrum of nonlinear random matrices with heavy-tailed weights
11:30-12:30	Maillard Average-case matrix discrepancy and large deviations of random matrices	Lacroix a-chez-Toine Ground state energy fluctuations of the elastic manifold	Pehlevan Asymptotic theory of in-context learning by linear attention		Sicuro Heavy-tailed covariates in high dimensions
12:30 -14:30	Lunch at Zif				
14:30:15:30	Neri Spectra of random nonsymmetric graphs	Kent- Dobias Understanding the flat parts of random landscapes	Gerace Statistical Mechanics of Transfer Learning in Fully Connected Networks in the Proportional Limit	Free time: discussion at Zif or	Departure
15:30-16:30	Lopatto Mobility Edge for the Anderson Model on the Bethe Lattice	Dartois On the injective norm of random tensors	Loureiro Feature Learning and computational limitations in learning with multi-index models	walk to the Bauernhaus Museum or walk to the forest	
16:30-17:30				around Zif.	
17:30-18:30	Welcome cocktail and presentation of Zif, 18h00	Poster session & Discussion	Poster session & Discussion		
	Dinner at Zif		Conference dinner at Wirtshaus 1802, 7h30		