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X Brunel Bielefeld Workshop on Random Matrix Theory

Brunel University London Hamilton Centre

Organisers: G. Akemann (Bielefeld), I. Krasovsky (Imperial), D. Savin and I. Smolyarenko (Brunel), O. Zeitouni (Warwick)

Friday, 12 December 2014:

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|---------------|----------------|--|---------------|
| 08:45 – 09:30 | | REGISTRATION | Newton's room |
| 09:30 – 10:10 | Yan Fyodorov | Topology (de)trivialization transition in high-dimensional random elds and landscapes | |
| 10:10 – 10:50 | Neil O'Connell | Stochastic Dirac operators and landscapes | |

Poster Presentations:

Newton's room

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| Perret Anthony | Near-extreme eigenvalues and the first gap of Hermitian random matrices |
| Christophe Charlier | Asymptotics for Toeplitz determinants: perturbation of symbols with a gap |
| Fabio Cunden | Universal covariance formula for linear statistics on random matrices |
| Benjamin Fahs | Universality for eigenvalue correlations in a double scaling limit at the origin of the spectrum |
| Fabio Franchini | Spontaneous breaking of $U(N)$ symmetry in invariant matrix models |
| Barnaby Garrod | Annihilating Brownian motions and the edge of the real Ginibre ensemble |
| Jesper Ipsen | Asymptotic properties for products of a large number of Ginibre matrices |
| Indrajit Jana | Fluctuations of linear eigenvalue statistics of random band matrices |
| Chris Joyner | A discrete random walk approach to spectral statistics in Bernoulli matrix ensembles |
| Anna Maltsev | Linear spectral statistics for half-heavy-tailed Wigner matrices |
| Ricardo Marino | Phase transitions and edge scaling of number variance in Gaussian random matrices |
| Thorsten Neuschel | Jacobi polynomial moments and products of random matrices |
| Benjamin Niedner | Wronskians and duality of Cardy branes |
| André Nock | On GOE characteristic polynomials with half-integer powers |
| Yuchen Pei | The Catalan numbers and the quantum stochastic Lévy area |
| Alexi Reynolds | Moments of β -ensembles |
| Roman Riser | Fine asymptotics in a random normal matrix ensemble |
| Dries Stivigny | Products with truncated unitary matrices |
| Artur Świech | Local level statistics – free probability meets supersymmetry |
| Christophe Texier | Joint distribution of two linear statistics in the Laguerre ensemble |
| Daniel Waltner | Eigenvalue distribution in the doubly correlated Wishart ensemble |
| Christian Webb | The characteristic polynomial of CUE and Gaussian multiplicative chaos |
| Lu Wei | Sphere packing bounds and restricted partition functions |
| Tim Wirtz | From a non-invariant correlated Wishart model to an invariant Hermitian matrix model |