

# LANDAU WEEK 25 - Programm

Thursday | June 19

09:15 - 09:30	Opening
09:30 - 10:10	Alex Kamenev Discrete optimization and neural networks training with quantum computers
10:15 - 10:55	Andreas Klümper Chiral Basis for Qubits and Spin-Helix Decay
11:00 - 11:30	Coffee break
11:30 - 12:10	Andrea Cappelli Bosonizations and dualities in 2+1 dimensions
12:15 - 12:55	Boris Khesin Geometry behind fluids
13:00 - 15:00	Lunch
15:00 - 15:40	Michael Chertkov Non-Equilibrium Statistical Mechanics of/for AI
17:45 - 17:15	Brief oral poster presentations (each 3 minutes long)
18:00 - 20:00	Welcome Party at Alikhanyan National Scientific Laboratory

## Friday | June 20

09:30 - 10:10	Alexander Mirlin Measurement-induced phase transitions in fermionic systems
10:15 - 10:45	Felix von Oppen Random fields in the Floquet quantum Ising model
11:00 - 11:30	<b>Coffee break</b>
11:30 - 12:10	Alexei Litvinov On dual regime in Yang-Baxter deformed $O(2N)$ sigma models
12:15 - 12:55	Dimitri Gangardt Limit shapes and their phase transitions: classical and quantum
13:00 - 15:00	<b>Lunch</b>
15:00 - 16:30	Brief oral poster presentations (each 3 minutes long)
16:30 - 17:00	<b>Coffee break</b>
17:00 - 17:40	Mikhail Skvortsov Thermal phase slips in superconducting films
17:45 - 18:25	Elio König Topologically enabled superconductivity and possible implications for rhombohedral graphene

## Saturday | June 21

09:30 - 10:10	Igor Gornyi Scaling of many-body localization transitions: Fock-space correlations, spectral observables, and dynamics
10:15 - 13:15	Poster session+Coffee+Snacks
13:15 - 13:55	Ferdinand Evers A Perspective on (Many-Body) Localization in Fock Space — Facts and Work in Progress
14:00 - 14:40	Alexander Zamolodchikov TBA

09:30 - 17:30 Round table and panel discussions at ?? (Excursion)

## Monday | June 23

09:30 - 10:10	Alexander Gorsky Phase-locking in dynamical systems and quantum mechanics
10:15 - 10:55	Sergey Nechaev Fractional Brownian motion meets polymer topology
11:00 - 11:30	<b>Coffee break</b>
11:30 - 12:10	Ilya Gruzberg Quantum Hall transitions on random networks and exact results from quantum gravity
12:15 - 12:55	Hrant Topchyan S-matrix approach and Harris criterion in the Integer quantum Hall effect
13:00 - 15:00	<b>Lunch</b>
15:00 - 15:40	Moshe Goldstein Entanglement with symmetry: From record high to record low
15:45 - 16:25	Rubik Poghossian On 5-point conformal block with level 2 degenerate insertion and its AGT dual
16:30 - 17:10	Eugenii Kuznetsov Symmetry approach to the problem of the gas expansion into a vacuum
18:30 - 21:30	Conference dinner

09:30 - 10:10	Serguei Brasovskii The electronic ferroelectricity originated by instabilities towards Mott-Hubbard or Peierls states
10:15 - 10:55	Victor Galitski Glasses: From Physical Hamiltonians to Neural Networks and Back
<b>11:00 - 11:30</b>	<b>Coffee break</b>
11:30 - 12:10	Yuval Gefen Effective linear response for non-equilibrium anyonic systems
12:15 - 12:55	Yuri Makhlin Bound states on Josephson vortices in planar topological junctions
<b>13:00 - 15:00</b>	<b>Lunch</b>
15:00 - 15:40	Leon Balents Symmetry breaking patterns of 2+1d U(1) gauge theory with an SU(N) chemical potential and application to quantum antiferromagnets
15:45 - 16:25	Dmitry Bagrets On chiral Majoranas and BTZ black holes
<b>16:30 - 17:00</b>	<b>Coffee break</b>
17:00 - 17:40	Yakov Fominov Superconducting diode effect
17:45 - 18:25	Vadim Geshkenbein Abrikosov vortices switching Josephson current in magic angle graphene



## Wednesday | June 25

09:30 - 10:10	Nikolay Gromov TBA
10:15 - 10:55	Tigran Sedrakyan Unveiling chiral states in the XXZ chain
11:00 - 11:30	Coffee break
11:30 - 12:10	Boris Svistunov Transverse Quantum Superfluids
12:15 - 12:55	Gabriel Cardoso Gapless Floquet topology
13:00 - 15:00	Lunch
15:00 - 15:40	Vladimir Zyuzin Odd-frequency spin-triplet pairing in disordered electron liquid
15:45 - 16:25	Alexey Lunkin Local Density of States Correlations in the Lévy-Rosenzweig-Porter random matrix ensemble
16:30 - 16:40	Closing

