

Landau Days 2017
June 26 - June 29

Program

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Sponsors:

Russian Foundation for Basic Research, grant No 17-02-20240
Journal of Physics A: Mathematical and Theoretical

Monday, 26 June

09:30-10:10 **Pokrovsky VL**
Magnon superfluidity in ferromagnetic film

10:10-10:50 **Mineev VP**
Phase diagram of UCoGe

10:50-11:20 Coffee break

11:20-12:00 **Krichever IM**
Two-dimensional linear operators with self-consistent potentials

12:00-12:40 **Grinevich PG**
Direct problem for the defocusing NLS equation

12:40-15:00 Lunch

15:00-15:40 **Wiegmann PB**
Hydrodynamics of Onsager's vortex flow

15:40-16:20 **Kamenev A**
Sachdev-Ye-Kitaev model as a Liouville quantum mechanics

16:20-16:50 Coffee break

16:50-17:30 **Yudson VI**
Interaction of spin impurities in helical Luttinger liquid

17:30-18:10 **Petrov YuV**
Electrical and thermal conductivities of Al in liquid two-temperature state

Tuesday, 27 June

09:30-10:10 **Gamba A**

Three-dimensional aggregation of tumor cells driven by chemotaxis

10:10-10:50 **Brazovskii SA**

Self-tuned non stationary quantum Hall state in a mesa-junction with a sliding charge density wave

10:50-11:20 Coffee break

11:20-12:00 **Titov M**

Microscopic theory of spin-orbit and spin-transfer torques in Rashba ferromagnets and beyond

12:00-12:40 **Ivanov DA**

Dynamical response of impurities in fermionic cold atoms: what we learn from full counting statistics and Toeplitz determinants

12:40-15:00 Lunch

15:00-15:40 **Belavin AA**

Compactification in superstring theory, Calabi-Yau manifolds and $N=2$ superconformal field theory

15:40-16:20 **Zakharov VE**

TBA

16:20-16:50 Coffee break

16:50-17:30 **Lushnikov PM**

Langmuir wave filamentation in the kinetic regime

17:30-18:10 **Vergeles SS**

Intensity statistics in long Raman fiber laser with feedback based on random Rayleigh scatterers

18:10-19:10 ***Poster Session***

Wednesday, 28 June

09:30-10:10 **Ovchinnikov YuN**

"Soft" modes of excitations due to distortions of Abrikosov lattice with one flux quantum per elementary cell

10:10-10:50 **Geshkenbein VB**

Flux creep in strong pinning theory

10:50-11:20 Coffee break

11:20-12:00 **Dyachenko AI**

Dissipation of water waves due to breaking

12:00-12:40 **Shchur LN**

Modified Wang-Landau algorithm for direct estimation of density of states with control of accuracy

12:40-15:00 Lunch

15:00-15:40 **Ioselevich AS**

The effect of random polarons in granular metals on electron transport

15:40-16:20 **Skvortsov MA**

Fluctuation superconductivity at arbitrary disorder strength

16:20-16:50 Coffee break

16:50-17:30 **Parfenyev VM**

Generation of eddy currents by interacting surface waves

17:30-18:10 **Gelash AA**

New approaches to coding information using inverse scattering transform

Thursday, 29 June

09:30-10:10 Starobinsky AA
New results in cosmology of the early and present Universe

10:10-10:50 Postnov KA
Astrophysical and cosmological implications of binary black hole mergings detected by LIGO

10:50-11:20 Coffee break

11:20-12:00 Tarasenko SA
Spin noise and Zitterbewegung of free carriers in semiconductors

12:00-12:40 Kharzeev D
The chiral magnetic effect and anomaly-induced transport

12:40-15:00 Lunch

15:00-15:40 Feigel'man MV
Low-temperature anomalies in disordered superconducting films near B_{c2}

15:40-16:20 Tikhonov K
Anderson localization on tree-like structures

16:20-16:50 Coffee break

16:50-17:30 Protopopov IV
Transport in a disordered $\nu = 2/3$ fractional quantum Hall junction

17:30-18:10 Agafontsev DS
Universal scaling of extreme vorticity regions and the structure of the vortex lines representation