

**Program**  
5-th conference **LANDAU DAYS**  
in honour of the 95th birthday of L.D. Landau  
**Landau Institute for Theoretical Physics**  
**CHERNOGOLOVKA, Moscow region, RUSSIA**  
**June 23 – 25, 2003**

**Monday, June 23 (9:30-13:10 - ISSP hall, 14:30-18:50 - IPCP hall)**

- 9:30-10:10  
**V.E. Zakharov**  
*Kinetics of the Bose condensation in presence of particle injection*
- 10:10-10:50  
**E.I. Kats**  
*Tunneling in non-rigid molecules*
- 10:50-11:30  
**A.Yu. Kamenshchik**  
*Radion-induced graviton oscillations in the two-brane world*
- 11:30-11:50 **Coffee break**
- 11:50-12:30  
**V.P. Mineev**  
*Influence of impurities on superconducting state in ferromagnetic superconductors with triplet pairing*
- 12:30-13:10  
**L.V. Bogdanov**  
*Projective differential geometry of higher reductions of two-dimensional Dirac operator*
- 13:10-14:30 **Break for lunch**
- 14:30-15:10  
**G.E. Volovik**  
*On vacuum energy and cosmological constant*
- 15:10-15:50  
**S.A. Brazovskii**  
*Confirmations for strong pinning and plastic flows*
- 15:50-16:30  
**Ya.V. Fominov**  
*Triplet proximity effect in FSF trilayers*
- 16:30-16:50 **Coffee break**
- 16:50-17:30  
**N.M. Chtchelkatchev**  
*Andreev conductance of a domain wall*
- 17:30-18:10  
**A. Zenchuk**  
*Solvability of some classes of multidimensional nonlinear partial differential equations.*
- 18:10-18:50  
**O.A. Vasilyev**  
*Numerical investigation of the shape of the crossing probability for percolation, Ising and  $q=3,4$  Potts model.*

**Tuesday, June 24 (9:30-13:10 - IPCP hall, 14:30-18:50 - ISSP hall)**

- 9:30-10:10  
**A.I. Larkin**  
*Quantum chaos in nanostructures*
- 10:10-10:50  
**M.V. Feigelman**  
*Superconductive tetrahedral qubits*
- 10:50-11:30  
**A.I. Dyachenko**  
*Breaking of Progressive Gravity Surface Wave*
- 11:30-11:50 **Coffee break**
- 11:50-12:30  
**V.L. Pokrovsky**  
*Landau-Zener transitions affected by an external noise*
- 12:30-13:10  
**A.G. Lebed**  
*Effective space dimension  $D_{eff} = 1$  and  $D_{eff} = 2$  in some phenomenon in magnetic field*
- 13:10-14:30 **Break for lunch**
- 14:30-15:10  
**A.A. Starobinsky**  
*Cosmology after recent CMB experiments*
- 15:10-15:50  
**M.A. Skvortsov**  
*Effects of quantum interference in energy absorption by mesoscopic systems*
- 15:50-16:30  
**A.Ya. Maltsev**  
*Theory of quasiperiodic functions and the superlattice potentials for a two-dimensional electron gas*
- 16:30-16:50 **Coffee break**
- 16:50-17:30  
**S.A. Bulgadaev**  
*On conductivity of two-dimensional systems with randomly distributed phases.*
- 17:30-18:10  
**A.O. Korotkevich**  
*Numerical simulation of weak turbulence of gravity waves*
- 18:10-18:50  
**A.V. Odesskii**  
*TBA*

**Wednesday, June 25 (9:30-18:50 - ISSP hall)**

- 9:30-10:10  
**I.M. Khalatnikov**  
*Open static Chaplygin universe*
- 10:10-10:50  
**N.A. Inogamov**  
*Photomechanical ablation of solid targets by ultrashort laser pulse*
- 10:50-11:30  
**I.M. Krichever**  
*Integrable lattices on the Riemann surfaces*
- 11:30-11:50 **Coffee break**
- 11:50-12:30  
**L.A. Falkovsky**  
*Electron-phonon interaction and phonon-plasmon coupled modes*
- 12:30-13:10  
**Yu.G. Makhlin**  
*Coherent phenomena in the presence of low-frequency environment*
- 13:10-14:30 **Break for lunch**
- 14:30-15:10  
**V.V. Lebedev**  
*Binary chemical reactions in chaotic flows*
- 15:10-15:50  
**Ya.P. Pugai**  
*On local operators in perturbed models of CFT*
- 15:50-16:30  
**A.S.Ioselevich, D.S.Lyubshin**  
*Phase Transition in a Self-repairing Random Network*
- 16:30-16:50 **Coffee break**
- 16:50-17:30  
**I.V. Kolokolov**  
*Statistics of errors in long haul optical transmission*
- 17:30-18:10  
**I.S. Burmistrov**  
*On the effect of far impurities on the density of states of two-dimensional electron gas in the strong magnetic field*
- 18:10-18:50  
**G.B. Lesovik**  
*Noise in Mesoscopic Conductors and Interpretation of Quantum Mechanics: Recent Progress*