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 condencation 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-dimesional 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