Higher School of Economics
Condensed-matter physics laboratory

Winter school on Quantum condensed-matter physics
Chernogolovka, Landau Institute, December 13-17, 2017

Poster session

P1. A.A. Dobretsova – Berry phase and extraordinary Landau levels shift

P2. P. Volkov – Charge and current orders in spin-fermion model with overlapping hot spots

P3. M. L. Savchenko – Density of States of Dirac Fermions in HgTe Quantum Well

P4. S. V. Postolova – Dimensional crossover as the origin of reentrant resistive behavior in superconducting films

P5. S. S. Seidov – Dipolar quantum phase transition in the Dicke model with infinitely coordinated frustrating interaction

P6. M. V. Burdastykh – Disorder-tuned superconductor-insulator transition in thin NbTiN films

P7. V. V. Enaldiev – Edge states and spin-valley edge photocurrent in transition metal dichalcogenide monolayers

P8. E. S. Azarova – Electronic properties and the persistent current of one-dimensional mesoscopic rings with inhomogeneities

P9. Nikolay Stepanov – Fluctuation superconductivity: from the dirty to the clean case

P10. Vladislav Kurilovich and Pavel Kurilovich – Helical edge transport in the presence of a magnetic impurity: influence of a local anisotropy

P11. V. Sakhin – Intrinsic Magnetic Moments in the Topological Insulators

P12. A. A. Kopasov – Inverse proximity effect in Majorana nanowires

P13. O.V. Skryabina – Josephson coupling across a long single-crystalline Cu nanowire

P14. V. L. Vadimov – Laser pulse probe of the chirality of Cooper pairs

P15. Petr Karpov – Modeling of networks and globules of charged domain walls observed in pump and pulse induced states

P16. S. K. Gotovko – Multiferroicity of $CuCrO_2$ tested by ESR

P17. E. Baeva – Quantitative determination of the the heat conductance for niobium-nitride single photon detectors

P18. O. V. Ivakhnenko – Simulating quantum dynamical phenomena using classical oscillators

P19. Sergei Aksenov – Spin-polarized-current switching mediated by Majorana bound states

P20. G. Penzyakov – About possible observation of $0-\pi$ transitions in hybrid planar Josephson junction