

Workshop on Fundamentals on Quantum Transport 7 - 11 August 2017

POSTER SESSION - PRELIMINARY LIST OF POSTER PRESENTATIONS

Presenting author	Poster title
Zehra Akdeniz	Condensate oscillations in a Penrose tiling lattice
Sergei Aksenov	Magnetic-field orientation dependence of quantum transport in topologically superconducting wire
Ekaterina Anikina	Functionalization of carbon nanotubes with Li atoms for hydrogen storage
Daniil Antonenko	Conductance distribution of disordered topological superconductors
Julian Felipe Arcila Forero	Emergence of the $\nu=1$ Mott lobe in an anyon chain with three-body interactions
Renu Bala	Study of one dimensional quantum fluids
Aveek Bid	Multifractal Conductance Fluctuations in Graphene: indications of Anderson Localization
Volodymyr Biloshytskyi	Acoustic analog of black hole in persistent current of ultracold atomic gas
Julia Chikina	Soft edge magnetoplasmons in Quantum Hall regime
Natalia Costa	Conformal QED in two-dimensional topological insulators
Ovidiu Cotlet	Fermi-Polaron-Polaritons in Transition Metal Dichalcogenide Monolayers
Paramita Dutta	Thermoelectric properties of a ferromagnet-superconductor hybrid junction: Role of interfacial Rashba spin-orbit interaction
Azadeh Faridi	Transport at the interface of LaAlO ₃ /SrTiO ₃
Fabio Franchini	Spontaneous Ergodicity Breaking in Invariant Matrix Models
Giovanni Frigeri	Apparent pairing and subperiods in integer quantum Hall interferometers

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Giorgos Gounaris	Non-local currents and fractional statistics
Barbara Grygiel	Real and imaginary part of conductivity of strongly interacting bosons in optical lattices
Tobias Gulden	Universal prethermal states in slowly driven many-body systems
Roohollah Hafizi	Modeling and Transport Properties of Carbon Nanotubes under the metal contacts
Derek Ho	Coulomb drag in spatially inhomogeneous materials
Jose Luis Iguain	Self-similar quantum spreading
Petr Karpov	Modeling of charged domain wall networks in 1T-TaS ₂
Andreas Kreisel	Orbital-selective pairing in Fe-based superconductors
Manabendra Kuri	Emergent phase diagram in a tunable bilayer graphene probed by quantum capacitance
Aleksey Lunkin	Spin correlation function in the Kitaev model with a perturbation
Zhiguo Lyu	Effects of counter-rotating couplings of Rabi model under static and dynamic modulations
Wulayimu Maimaiti	Compact localized states and flatband generators in one dimension
Laleh Memarzadeh	Excitation transfer between quantum bits in thermal bath
Alejandro Mezio	Low quasiparticle coherence temperature in the one-band Hubbard model: A slave-boson approach
Ian Mondragon-Shem	Frequency structure of Floquet topological phases
Artem Oliinyk	Josephson effects in atomtronic systems
Biplab Pal	Spin filter for arbitrary spins by substrate engineering
Konrad Patucha	Hall conductivity of strongly interacting bosons in optical lattice
Igor Poboiko	Paraconductivity in pseudogapped superconductors
Archak Purkayastha	Non-equilibrium phase diagram of a 1d quasiperiodic system with a single-particle mobility edge
Ajith Ramachandran	Chiral Flat Bands: Existence, Engineering and Stability
Hanz Y. Ramirez Gomez	Quantization Effects on the Optical Response of Spherical Silver Nanoparticles
Sayak Ray	Bosons with incommensurate potential and spin-orbit coupling

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Martin Rodriguez Vega	Universal fluctuations of Floquet topological invariants at low frequencies
Analabha Roy	Many Body Quantum Kinetics in the Phase Space: Simulating spin dynamics by the BBGKY trajectories of sampled phase points
Debasis Sadhukhan	Scale-invariant freezing of entanglement
Ruchi Saxena	Emergent topological phases in driven SO-coupled materials and their exotic bulk-edge correspondence
Mauro Schiulaz	Can magnetic field enhance superconductivity in composite d-wave superconductors?
Khaled Senouci	The effect of non-linearity on one-dimensional periodic photonic crystal
Ranjani Seshadri	Graphene with Spin-Orbit Coupling: Transport and Wave Packet Dynamics in presence of Barriers
Aleksei Shakirov	Relaxation and decoherence of qubits encoded in collective states of engineered magnetic structures
Valeri Shikin	Soft edge magnetoplasmons in Quantum Hall regime
Glib A. Skorobagatko	Exact full-counting statistics and plasmonic effects in the Luttinger liquid quantum detectors for charge qubits
Ivan Starodub	Fluxon interaction with the dipole inhomogeneity in Josephson junction
Nikolay Stepanov	Fluctuation superconductivity: from the dirty to the clean case
Aleksandr Svetogorov	Quantum phase-slips in inhomogeneous superconducting wires
Jachym Sykora	Fluctuation effects at the onset of 2kF density wave order with one pair of hot spots in 2D
Andreas Thomasen	Triangle Drama and Frustration - multibosons on a breathing kagome lattice
Krashna Tripathi	Quantum pumps and Majorana zero modes
Oleksandr Tsyplyatyev	Nature of the many-body excitations in a quantum wire: fermions and spins
Han Hoe Yap	Photo-enhanced topological transport in Floquet Quantum Hall insulators
Sina Zeytinoglu	Engineering interactions with squeezed vacuum
Mustapha Ziane	The negativity of Winger function is a measure of genuine entanglement