

ULT 2011 - Poster Presentation List

1. Poster Session I (August 19, 18:30 - 20:30)

Last Name	First Name	Topics	Title
Aleksey	Zadorozhko	Quantum Matter	Additional Dissipation Mechanism of the First Sound in the Development of Quantum Turbulence
Aleksey	Zadorozhko	Quantum Matter	Acoustic Radiation Modes of Quartz Tuning Fork immersed in He II in the Ballistic Regime of the Scattering of Thermal Excitations
Choi	Hongchul	Quantum Matter	Temperature-dependent Fermi surface evolution in heavy fermion $CeIrIn_5$
Choi	Jaewon	Quantum Matter	Search for Persistent Current in Rotating Solid Helium
Choi	Wonsuk	Quantum Matter	Acoustic Resonance Measurement of Solid 4He in Torsional Oscillator under DC Rotation
Collett	Charles Alward	Quantum Matter	Moderate Magnetic Field Transverse Acoustics Experiments in Superfluid $^3\text{He-B}$
Degtyaryov	Igor	Quantum Matter	The Features of Liquid $^3\text{He} - ^4\text{He}$ Mixture Phase Diagram in Narrow Geometry
Fefferman	Andrew	Quantum Matter	Torsional oscillator studies of 4He single crystals and polycrystals
Garg	Deepak	Quantum Matter	Quantized vortices and the free decay of grid oscillations in He-II
Haley	Richard	Quantum Matter	Quartz Tuning Forks and the Superfluid Helium-3 AB Interface
Hallock	Robert	Quantum Matter	Time and Temperature Dependence of Helium Diffusion through Common Epoxies.
Hosio	Jaakko	Quantum Matter	Vortex studies with quasiparticle beam techniques in rotating superfluid $^3\text{He-B}$
Jackson	Martin	Quantum Matter	Generation and Detection of Ballistic Vortex Rings in Superfluid $^3\text{He-B}$
Kang	Evan	Quantum Matter	Stress and Temperature Dependent Hysteresis in Shear Modulus of Solid Helium
Kisel V. P.	Kisel V. P.	Quantum Matter	PARTICLE-WAVE DEFORMATION CONTROLS QUANTUM MECHANISMS
Kostyantyn	Nasyedkin	Quantum Matter	Suppression of 2D electron system crystallization by the damaging electric field
Krasnikhin	Dmitry	Quantum Matter	Superfluid Phases of ^3He in "oriented" aerogel at high pressures
Kubota	Minoru	Quantum Matter	Supersolid transition at T_c , The supersolid density, and the critical velocity to destroy the supersolid state
Matsushita	Taku	Quantum Matter	Observation of Superfluid ^4He Adsorbed in Nanochannels -- Possible Finite-Length 1D Superfluid?
Yury	Mukharski	Quantum Matter	Pressure and density measurements of solid helium samples
Badrutdinov	Alexander	Quantum Transports	Cooling down GaAs vertical double quantum dot to ultralow temperatures by nuclear adiabatic demagnetization

Doh	Yong-Joo	Quantum Transports	Superconducting Proximity Effect in Topological Insulator Nanowires of Bi ₂ Se ₃
Lee	Jungil	Quantum Transports	Kondo physics in graphene nano-ribbon quantum dot device
Ikegami	Hiroki	Quantum Transports	Ultra-low Temperature Mobility of Electron Bubbles Formed below the Free Surface of Superfluid ³ He-B
Ochiai	Yuichi	Quantum Transports	The Kondo Related Electron Interaction in the Low Temperature Transport of the Quantum Point Contact
Ochiai	Yuichi	Quantum Transports	Low temperature SGM observation in GaAs/AlGaAs quantum wires in high magnetic fields
Oleksandr	Smorodin	Quantum Transports	Conductivity of zero-dimensional surface electrons over superfluid helium
Park	Jinhong	Quantum Transports	Signals of electron pair tunneling in a double-dot interferometry
Park	Sungyu	Quantum Transports	Transport measurements on two dimensional Ta films decorated by spatially inhomogeneous disorders
Rees	David	Quantum Transports	Transport Properties of a Wigner Crystal on the Surface of Helium through a Nanoscale Constriction
Savard	Michel	Quantum Transports	Superfluid Flow and Critical Velocity of Liquid Helium in a Single Nanohole
Sharma	Priya	Quantum Transports	Quantum Transport in Mesoscopic ³ He Films
Utsumi	Yasuhiro	Quantum Transports	Quantum work fluctuation theorem in a coherent conductor
Youn	Seok-Chan	Quantum Transports	Capacitive interaction model of an electronic Fabry-Perot resonator
Babaei-Brojeny	Aliakbar	Supercond. and Magnet.	Magnetic moment of a flat type II superconducting film
Chaudhury	Ranjan	Supercond. and Magnet.	Spin dynamics of quantum spin models in layered systems - signature of Kosterlitz-Thouless scenario?
Fefferman	Andrew	Supercond. and Magnet.	Low Frequency Flux Noise in dc-SQUIDs: Dependence on Temperature and SQUID Geometry
Kenzelmann	Michel	Supercond. and Magnet.	SUPERCONDUCTIVITY DRIVEN UNEQUAL MAGNETIC DOMAIN POPULATION IN CECOIN5
Kim	Mun Dae	Supercond. and Magnet.	Strong coupling of a cavity QED architecture for a current-biased flux qubit
Kim	Nam	Supercond. and Magnet.	Switching Current Distribution for a Al-CNT-Al Josephson Junction at Kondo Resonance States
Konno	Rikio	Supercond. and Magnet.	Pressure effects on the superconducting transition temperature of ferromagnetic superconductors
Thinh	Bui Duc	Supercond. and Magnet.	Electrical conductivity beyond a linear response in layered superconductors under a magnetic field
Tiwari	Suresh Chander	Supercond. and Magnet.	Polaronic Mechanism of Superconductivity in High-Temperature Cuprate

2. Poster Session II (August 21, 17:40 - 19:40)

Last Name	First Name	Topics	Title
Zadorozhko	Aleksey	Quantum Matter	The features of the turbulent flow formation in He II at high frequencies of oscillations
Kisel	V. P.	Quantum Matter	CLASSICAL DEFORMATION EXPLAINS THE PROPERTIES OF SOLID/FLUID He
Mineda	Yoshikazu	Quantum Matter	The coupled dynamics of micron-size particles and quantized vortices
Mulders	Norbert	Quantum Matter	The crystalline structure of solid 4-He in Vycor
Nakashima	Yuna	Quantum Matter	3D Superfluid Transition of 4He Film adsorbed in 3D Nanoporous Materials
Naruse	Kimiaiki	Quantum Matter	Self-condensed state and spin fluctuations in two-dimensional helium3 system
Nyeki	Jan	Quantum Matter	Anomalous "superfluid" response with quantum criticality of two-dimensional 4He in a triangular lattice potential
Pollanen	Johannes	Quantum Matter	Anisotropy Stabilized Equal-Spin Pairing State of 3He in Radially Compressed Aerogel
Rubanskyi	Valentyn	Quantum Matter	Influence of deformation and crystal growth rate on formation of a glassy phase in solid 4He
Shibayama	Yoshiyuki	Quantum Matter	Hysteresis of Non-Classical Rotational Inertia in Two-dimensional 4He Films on Graphite
Sin	Jaeho	Quantum Matter	Simultaneous measurement of NCRI and shear modulus in solid helium
Skyba	Peter	Quantum Matter	Collective Goldstone and non-Goldstone modes of BEC of magnons in superfluid 3He-B and symmetry breaking fields
Takahashi	Daisuke	Quantum Matter	Supersolid in a Porous Vycor Glass under Rotation
Taniguchi	Junko	Quantum Matter	Superfluidity and BEC of liquid 4He confined in uniform nano-meter size channel
Tayurskii	Dmitrii	Quantum Matter	Ab-initio simulation of helium atoms adsorption inside silica aerogels and nanotubes
Todoshchenko	Igor	Quantum Matter	Surface of 4He crystals: faceting and anisotropy
Tsepelin	Viktor	Quantum Matter	Power spectrum of vortex line density fluctuations in quantum turbulence in superfluid 3He-B
Tuoriniemi	Juha	Quantum Matter	Quartz tuning forks in helium fluids
Williams	Paul	Quantum Matter	Generation and Detection of Homogenous Quantum Turbulence in Superfluid 3He-B
Yagi	Masahiko	Quantum Matter	Landau state like state in hcp solid 4He(, excited by AC velocity)
Yano	Hideo	Quantum Matter	Propagation of Vortex Rings Emitted from Turbulence in Superfluid 4He at Finite Temperatures
Yudin	Alexey	Quantum Matter	Superfluid Phases of 3He in "Ordered" Aerogel at low pressures
Yury	Mukharski	Quantum Matter	Extreme softness of crystallites in polycrystalline 4He
Eltsov	Vladimir	Emergent Quantum State	Bose-Einstein condensation of magnons in rotating 3He-B and interaction with vortices

Feher	Alexander	Emergent Quantum State	Observation of a low-temperature anomaly in the heat capacity of the genuine organic anion-radical salt (N-Me-2,6-diMe-Pz)(TCNQ) ₂
Levitin	Lev	Emergent Quantum State	Superfluid Phases of Helium-3 Confined in a Slab
Lee	Yoonseok	Nanomechanical System	Characterization of MEMS Devices for the Study of Superfluid Helium Films
Ishino	Shungo	Other Topics	Vortex nucleation and transition to binary quantum turbulence in two-component Bose-Einstein condensates
Jang	Seong	Other Topics	Construction of Scanning Probe Microscope on Dilution Refrigerator
Kimura	Yutaka	Other Topics	Anomalous sound absorption of finite amplitude sound in liquid 4-He
Kusumura	Takuya	Other Topics	Formation of Quantum Turbulence from Dark Solitons in Atomic Bose-Einstein Condensates
Clovecko	Marcel	Other Topics	Preliminary low-drive measurements of custom made quartz tuning fork arrays in liquid 4He in the temperature range 1.5 ~ 4.2 K
Guise	Edward	Other Topics	Design and Measurements of Quartz Tuning fork Arrays for Quantum Turbulence studies in superfluid Helium-3
Lawson	Christopher	Other Topics	Controlled Flow Measurements in Superfluid Helium-3
Munday	Lyndia	Other Topics	Drag Forces at mK Temperatures of Multiple Resonating Wires, Including Frequency Dependency.
Rysti	Juho	Other Topics	Search for Superfluidity in 3He-4He Mixtures
Baek	Seung-Ho	Quantum Critic.Phenom.	Microscopic evidence of stripe order in detwinned underdoped YBa ₂ Cu ₃ O _y revealed by Cu-63 NMR
Birchenko	Oleksandr	Quantum Critic.Phenom.	Nucleation of new phase in metastable bcc region of solid helium: The effect of 3He impurities
Cichorek	Tomasz	Quantum Critic.Phenom.	Anisotropy of magnetic-field-induced insulator-metal transition in CeOs ₄ As ₁₂
Minoguchi	Tomoki	Quantum Critic.Phenom.	A non-perturbative approach to freezing of superfluid He-4 in density functional theory
Murakawa	Satoshi	Quantum Critic.Phenom.	Suppression of KT transition in 4He film under high pressure 3He
Park	Sungjin	Quantum Critic.Phenom.	Higher Order Propagators for Path-integral Monte Carlo Study: Application to Quantum Quadrupolar Rotors
Shin	Hyondeok	Quantum Critic.Phenom.	Commensurate-Incommensurate Transition in 4He Monolayer Adsorbed on a C ₆₀ Molecule