



WORKSHOP on INTERFEROMETRY and INTERACTIONS in NON-EQUILIBRIUM MESO- and NANO- SYSTEMS (8 - 12 April 2013)

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(as of 12 April 2013)

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Huseyin ATCI (Istanbul University, Turkey/University of Jyvaskyla, Finland) STABILITY OF SPIN DROPLETS AT v=5/2 in Realistic Quantum Hall Devices

Dmitry BAGRETS (Universitaet zu Koeln, Germany) ANALYTICALLY SOLVABLE MODEL OF AN ELECTRONIC MACH-ZEHNDER INTERFEROMETER

Alessandro BRAGGIO (CNR-SPIN, Genova, Italy) NON-EQUILIBRIUM EFFECTS OF 1/f NOISE AND DISSIPATION ON QUASIPARTICLE TUNNELLING IN EDGE STATES

Iurii CHERNII (University of Geneva, Switzerland) X-RAY EDGE SINGULARITY IN THE VISIBILITY OF THE AHARONOV-BOHM OSCILLATIONS IN A QUANTUM HALL INTERFEROMETER

Adam ESMAIL (University of Cambridge, U.K.) SPLITTING A COOPER-PAIR WITH MICROWAVE LIGHT

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Dario FERRARO, Pascal DEGIOVANNI and Etienne THIBIERGE (ENS, Lyon, France) WIGNER FUNCTION REPRESENTATION IN ELECTRON QUANTUM OPTICS

Florian FORSTER (LMU, Munich, Germany) LANDAU-ZENER-STUECKELBERG INTERFEROMETRY IN A CHARGE QUBIT

Robert HUSSEIN (Instituto de Ciencia de Materiales, Madrid, Spain) COHERENT QUANTUM RATCHETS DRIVEN BY TUNNEL OSCILLATIONS: FLUCTUATIONS AND CORRELATIONS **Mujtaba IKRAM** (SCME, NUST, Islamabad, Pakistan) HALL EFFECT MEASUREMENTS AND ELECTRICAL CONDUCTION MODELING OF CADMIUM SULFIDE SEMICONDUCTOR THIN FILMS FOR PHOTOVOLTAICS

Toshihiro KUBO (University of Tsukuba, Ibaraki, Japan) NON-LOCAL AHARONOV-BOHM EFFECTS IN TRANSPORT THROUGH A QUANTUM DOT CAPACITIVELY COUPLED TO AN AHARONOV-BOHM INTERFEROMETER OUT OF EQUILIBRIUM

Soo-Yong LEE (University of Science & Technology, Pohang, Korea) VISIBILITY RECOVERY BY STRONG INTERACTION IN AN ELECTRONIC MACH-ZEHNDER INTERFEROMETER

Ivan LEVKIVSKYI (Harvard University, Cambridge, U.S.A.) SHORT NOISE THERMOMETRY OF THE QUANTUM HALL EDGE STATES

Peter NALBACH (Universitaet Hamburg, Germany) NONEQUILIBRIUM LANDAU-ZENER-STUECKELBERG SPECTROSCOPY IN A DOUBLE QUANTUM DOT

Stephane Minh Son NGO DINH (Karlsruhe Institute of Technology, Germany) TIME EVOLUTION OF NONEQUILIBRIUM LUTTINGER LIQUID AFTER AN INTERACTION QUENCH

Christoph ORTH (University of Basel, Switzerland) TRANSPORT PROPERTIES OF POINT CONTACTS BETWEEN HELICAL EDGE STATES

Ivan PROTOPOPOV (Landau Institute for Theoretical Physics, Moscow, Russia / Karlsruhe Institute of Technology, Germany) CORRELATIONS IN NON-EQUILIBRIUM LUTTINGER LIQUID AND SINGULAR FREDHOLM DETERMINANTS

Jerome RECH (CNRS, Marseille, France) ELECTRON INTERFEROMETRY IN QUANTUM HALL EDGE CHANNELS

Francesco ROMEO (University of Salerno, Italy) FABRY-PÉROT PHYSICS IN THE PRESENCE OF DEFECTS IN BALLISTIC CARBON NANOTUBES

Mathias RUFINO (Oxford University, U.K.)

EXACT REFERMIONIZATION OF THE TWO-CHANNEL ELECTRONIC MACH-ZEHNDER INTERFEROMETER

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Etienne THIBIERGE, Pascal DEGIOVANNI and Dario FERRARO (ENS, Lyon, France) WIGNER FUNCTION REPRESENTATION IN ELECTRON QUANTUM OPTICS

Evgeny TIKHONOV (RAS, Chernogolovka, Russia) SIZE EFFECT IN SHOT NOISE OF AN INSULATOR WITH HOPPING CONDUCTION

Mihajlo VANEVIC (University of Belgrade, Serbia) NOISE AND CHARGE-TRANSFER STATISTICS IN A DRIVEN QUANTUM CONTACT: GENERATION OF THE ELECTRON-HOLE PAIRS

Disha WADHAWAN (University of Delhi, India) CORRELATION BETWEEN DISSIPATION AND OUT OF EQUILIBRIUM NOISE IN LOW DIMENSIONAL MESOSCOPIC SYSTEMS

Pablo ZANGARA (CONICET, Cordoba, Argentina) INTERACTION-DISORDER COMPETITION IN A SPIN SYSTEM EVALUATED THROUGH THE LOSCHMIDT ECHO