



Conference on Quantum Measurement: Fundamentals, Twists and Applications
29 April - 4 May 2019

POSTER SESSION - FINAL LIST OF POSTERS PRESENTED

Presenting author	Poster title
Obinna ABAH	Implications of non-Markovian dynamics on information-driven engine
Pratap Chandra ADAK	Non-trivial quantum oscillation geometric phase shift in a trivial band
Sristy AGRAWAL	Structure of Physical Theory from Information Symmetry
Iris AGRESTI	Quantum violation of an instrumental test
Francesco ALBARELLI	The Holevo Cramer-Rao bound for multi-parameter quantum metrology
Shabir BARZANJEH	Stationary entanglement generation with electromechanical resonators
Adam BEDNORZ	Objective realism in quantum mechanics
Victor BITTENCOURT	Magnon heralding in cavity optomagnonics
Luca CALDERARO	QKD for Global Navigation Satellite Systems: experimental feasibility on a link of 20000 km
Areeya CHANTASRI	Quantum state smoothing: Why the types of observed and unobserved measurements matter
Remy DASSONNEVILLE	Fast high fidelity quantum non-demolition qubit readout via a non-perturbative cross-Kerr coupling
Vitalie EREMEEV	Ground-state cooling of a nanomechanical oscillator by postselection
Marco FANIZZA	Local and global estimation of quantum state overlap

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Akanksha GAUTAM	Optimal Extraction of Non-Classical correlation in Bipartite State Using Weak Measurement
Marco GENONI	Restoring Heisenberg scaling in noisy quantum metrology by monitoring the environment
Felix HUFNAGEL	Compressed sensing of twisted photons
Sreenath KIZHAKKUMPURATH	Absolute irreversibility and continuous quantum measurement: a fluctuation theorem perspective
Suman KUNDU	Multiplexed readout of four qubits in 3D circuit QED architecture using a broadband Josephson Parametric Amplifier
Philippe LEWALLE	New Phenomena in the Optimal Paths of Diffusive Quantum Trajectories, Part 1: Multipath Dynamics
Esteban MARTINEZ VARGAS	Certified answers for ordered quantum discrimination problems
Farshad NEJADSATTARI	Photonic Simulations of Cyclic Quantum Systems
Giorgio NICOLÍ	Ultra-low electronic temperature measurement in a cryogen-free dilution refrigerator with an 4He immersion cell
Diego PAIVA PIRES	Coherence orders, decoherence, and quantum metrology
Davide PODERINI	Experimental learning of quantum states
Emanuele POLINO	Device independent test of a delayed choice experiment
Mathilde REMY	An experimental design to investigate the quantum three-box paradox in a new form
Marc RÖÖSLI	Time-resolved tunneling between Landau levels in a weakly coupled quantum dot in the integer and fractional quantum Hall regimes
Shubhayan SARKAR	Self-testing of maximally entangled state of arbitrary local dimension
Thomas SIMONS	Full Counting Statistics of Majorana Braiding
Alicia SIT	Quantum cryptography in realistic conditions with structured photons
Gleb SKOROBAGATKO	Real-time propagator summation theorem: quantum detection of charge-qubits and full-counting statistics of quantum-point contacts
Kyrylo SNIZHKO	Do quantum correlations know about signalling?

Presenting author	Poster title
John STEINMETZ	New Phenomena in the Optimal Paths of Diffusive Quantum Trajectories, Part 2: Chaos
Baladitya SURI	Giant Atom Regime of Quantum Optics
Marcin SZYNISZEWSKI	Inducing many-body localization with weak measurements
Hamid TEBYANIAN	POVM-based Quantum Random Number Generator
Mariya TRUKHANOVA	The geometro-hydrodynamical formalism \hat{A} of quantum spinning particle in the context of wave-pilot theory
ShengLi ZHANG	Distillation of strong single-mode-squeezed entanglement(SMSE) with enhanced photon subtractions