

Workshop on Understanding Quantum Phenomena with Path Integrals: From Chemical Systems to Quantum fluids and Solids

ICTP, Trieste (Italy)

3-7 July 2017

PROGRAM FOR FLASH TALK SESSION (updated 27 June 2017)

Wednesday 5 July - 16:45

- Raul Bombín Escudero** 16:45
Universitat Politècnica de Catalunya
Superfluidity in a System of Polarized Dipolar Bosons
- Danilo Calderini** 16:49
ETH Zürich, Department of Chemistry and Applied Biosciences, Laboratory of Physical Chemistry
Analysis and benchmark of Non-Adiabatic Dynamics with NRPMD
- Alberto Cappellaro** 16:53
Physics Department, University of Padova
Thermal field theory of bosonic gases with finite-range effective interaction
- Giovanni Di Liberto** 16:57
Università degli Studi di Milano, Dipartimento di Chimica
A Semiclassical Divide-and-Conquer Method for Spectroscopic Calculations of High Dimensional Molecular Systems
- Marisa Dusseault** 17:01
Memorial University of St. John's, Faculty of Science, Physics Department
Quantum and Thermal Effects in the Melting of Simple Solids
- Suraj Kannath** 17:05
Lodz University of Technology, Faculty of Chemistry
HYDROGEN ATOM ABSTRACTION FROM ETHANOL BY ATOMIC HYDROGEN IN AQUEOUS SOLUTION
- Nikolay Kondratyuk** 17:09
Joint Institute for High Temperatures of RAS
Inclusion of quantum nuclear effects in alkanes using PIMD techniques
- Yair Litman** 17:13
Fritz Haber Institute, Max Planck Society
Nuclear Quantum Effects on Surface-Assisted Water Dissociation
- Luca Parisi** 17:17
University of Trento
Spin dynamics in one-dimensional bosonic quantum gases
- Ricardo Pérez de Tudela** 17:21
Lehrstuhl fuer Theoretische Chemie, Ruhr-Universitaet Bochum
Nuclear quantum effects on acid dissociation in microsolvation environments
- Subrahmanyam Sappati** 17:25
Indian Institute of Science Education and Research IISER Pune
Nuclear Quantum Effects in an HIV/Cancer Inhibitor: The Case of Ellipticine

- Supratik Sarkar** **17:29**
Indian Institute of Science Education and Research (IISER) - Pune, India
From Quantum Fluids to Emergent Gravity: Quantum potential induced non-local BEC and Analogue Hawking radiation
- FATIMA-ZAHRA SIYOURI** **17:33**
Faculty of Sciences, Mohammed V University of Rabat-Morocco
Negativity of Wigner Function as Measure of Quantum Correlations
- Luca Smaldone** **17:37**
Università degli Studi di Salerno, Dipartimento di Fisica "E.R.Caianello"
Signatures of inequivalent representations in path integrals
- Aidan Strathearn** **17:41**
University of St Andrews School of Physics and Astronomy
Efficient Simulation of Non-Markovian Open Systems Using Real Time Path Integrals
- Manish Thapa** **17:45**
ETH Zurich, Department of Chemistry and Applied Biosciences
Path Integral Methods to Compute Electron Transfer Reaction Rates
- Llinersy Uranga Piña** **17:49**
Departamento de Física Teórica, Facultad de Física, Universidad de la Habana
Relaxation dynamics in isolated and open many-body quantum systems
- Pierre Winter** **17:53**
San Diego State University, San Diego, USA
Microcanonical Instanton Rate Theory Applied to Molecular Reactions
- Luis Vasquez** **17:57**
Lodz University of Technology
Nuclear Quantum Effects and Isotope Effects for Vaporation of Dibromomethane
- Tommaso Comparin** **18:01**
Ecole Normale Supérieure, INO-CNR BEC Center and Università di Trento
Thermodynamics of the unitary Bose gas from First principles
- Aliezer Martinez Mesa** **18:05**
University of Havana
Adsorption of molecular hydrogen on nanostructured surfaces