

Open Quantum Systems: From atomic nuclei to ultracold atoms and quantum optics

Report of Contributions

Contribution ID: 1

Type: **not specified**

Registration

Monday, 30 September 2019 08:30 (30 minutes)

Contribution ID: 2

Type: **not specified**

Introduction

Monday, 30 September 2019 09:00 (30 minutes)

Contribution ID: 3

Type: **not specified**

Giant Resonances in Highly Excited Nuclei - Prime Examples for Various Decay Modes of Open Quantum Systems

Monday, 30 September 2019 09:30 (50 minutes)

Presenter: Prof. RICHTER, Achim (TU Darmstadt)

Contribution ID: 4

Type: **not specified**

Juggling with single atoms to understand many body systems

Monday, 30 September 2019 10:50 (50 minutes)

Presenter: Prof. JOCHIM, Selim (U Heidelberg)

Contribution ID: 5

Type: **not specified**

Changing decay mode with excitation energy for two-proton decay

Monday, 30 September 2019 14:00 (50 minutes)

Presenter: Dr BROWN, Kyle (MSU)

Contribution ID: 6

Type: **not specified**

Coherent and chaotic dynamics of open quantum systems

Monday, 30 September 2019 15:20 (50 minutes)

Presenter: Prof. VOLYA, Alexander (FSU)

Contribution ID: 7

Type: **not specified**

Influence functional approaches to quantum and classical open systems

Monday, 30 September 2019 16:10 (50 minutes)

Presenter: Dr MCCAUL, Gerard (Tulane U)

Contribution ID: 8

Type: **not specified**

Superconducting circuits as testbeds for atomic physics and quantum optics

Tuesday, 1 October 2019 09:30 (50 minutes)

Presenter: Prof. ANKERHOLD, Joachim (Ulm U)

Contribution ID: 9

Type: **not specified**

Toward the understanding of near-threshold collectivity

Tuesday, 1 October 2019 10:50 (50 minutes)

Presenter: Dr PLOSZAJCZAK, Marek (GANIL)

Contribution ID: **10**

Type: **not specified**

Nuclear Astrophysics experiment with Trojan Horse Method

Tuesday, 1 October 2019 14:00 (50 minutes)

Presenter: Dr GUARDO, Giovanni Luca (INFN-LNS)

Contribution ID: 11

Type: **not specified**

Description of few-nucleon systems by solving Faddeev-Yakubovsky equation

Tuesday, 1 October 2019 15:20 (50 minutes)

Presenter: Dr LAZAUSKAS, Rimantas (CNRS Strasbourg)

Contribution ID: 12

Type: **not specified**

Open effective field theories and universalit

Tuesday, 1 October 2019 16:10 (50 minutes)

Presenter: Prof. HAMMER, Hans-Werner (TU Darmstadt)

Contribution ID: 13

Type: **not specified**

From correlations to universality

Wednesday, 2 October 2019 09:30 (50 minutes)

Presenter: Dr KIEVSKY, Alejandro (INFN Pisa)

Contribution ID: 14

Type: **not specified**

Small helium clusters studied by Coulomb explosion imaging

Wednesday, 2 October 2019 10:50 (50 minutes)

Presenter: Dr KUNITSKI, Maksim (Goethe-Universität Frankfurt Am Main)

Contribution ID: 15

Type: **not specified**

Topological framework for directional amplification in one-dimensional coupled cavity arrays

Wednesday, 2 October 2019 14:00 (50 minutes)

Presenter: Mrs WANJURA , Clara (University Of Cambridge)

Contribution ID: 16

Type: **not specified**

Nuclear scattering and reactions from ab initio no-core shell model with continuum

Wednesday, 2 October 2019 15:20 (50 minutes)

Presenter: Dr NAVRATIL, Petr (TRIUMF)

Contribution ID: 17

Type: **not specified**

Quantum computing of nuclear dynamics

Wednesday, 2 October 2019 16:10 (50 minutes)

Presenter: Prof. PEDERIVA, Francesco (Trento University)

Contribution ID: **18**

Type: **not specified**

Hawking radiation and the inverted Harmonic oscillator

Presenter: Prof. SCHLEICH, Wolfgang (Ulm University)

Contribution ID: 19

Type: **not specified**

A single atom and the radiation field of free space – an experimental study

Thursday, 3 October 2019 10:50 (50 minutes)

Presenter: Prof. LEUCHS, Gerd (Max Planck Institute For The Science Of Light)

Contribution ID: 20

Type: **not specified**

Low energy n scattering on light nuclei and ^{19}B as a ^{17}B -n-n three-body system close to unitary limit

Thursday, 3 October 2019 14:00 (50 minutes)

Presenter: Dr CARBONELL , Jaume (CNRS/IPN Orsay)

Contribution ID: 21

Type: **not specified**

Toward an in-medium effective field theory for the nuclear shell model

Thursday, 3 October 2019 15:20 (50 minutes)

Presenter: Dr FOSSEZ, Kevin (MSU)

Contribution ID: 22

Type: **not specified**

Mixed Quantum-Classical Nonrelativistic open quantum systems: a field theoretic approach

Thursday, 3 October 2019 16:10 (50 minutes)

Presenter: Prof. FACCIOLI, Pietro (Trento University)

Contribution ID: 23

Type: **not specified**

The Quantum Cheshire Cat effect: Can properties of quantum systems be delocalized?

Friday, 4 October 2019 09:30 (50 minutes)

Presenter: Prof. MATZKIN, Alexandre (CNRS)

Contribution ID: 24

Type: **not specified**

TBA

Presenter: Mr ZIMMERMANN, Matthias (Ulm University)

Contribution ID: 25

Type: **not specified**

Applying Open Quantum Systems Techniques to Density Matrix Minimization

Friday, 4 October 2019 10:50 (50 minutes)

Presenter: Mr LEAMER, Jacob (Tulane University)