



UNIVERSITY
OF TRENTO - Italy
DEPARTMENT OF PHYSICS
Doctoral School in Physics

February 18th, 2015

08:45 – 18:00

Room B107, Povo 2

Via Sommarive 9

Physics PhD Workshop 2015



Opening of the Academic Year of the PhD School in Physics

PhD-student talks

Poster session and best-poster prize

Social dinner and live concert



Lectio Magistralis

From glass flow to the rupture of a chemical bond:

Shining light on the ultraslow and the ultrafast

— Prof. Tullio Scopigno —

Università di Roma “La Sapienza”



08:45 · 09:00 – Opening

Prof. [Lorenzo Pavesi](#), Head of the Department of Physics

09:00 · 10:30 – First Morning Session

Chair: Dr. [Marco Scapinello](#)

- [Giovanna Pintori](#) · Microscopic Dynamics in the Glass Former B2O3 Measured by X-Ray Photon Correlation
- [Alberto Mazzi](#) · Physical Vapor Deposition of Mixed-Metal Oxides Based on Fe, Co, and Ni as Water Oxidation Catalysts
- [Ruben Bartali](#) · Study of the Surface Properties of Exfoliated Highly-Oriented Pyrolytic Graphite (HOPG) by Means of Captive-Bubble and Sessile-Drop-Contact-Angle Measurements
- [Martino Bernard](#) · Nonlinearity in Integrated Photonics
- [Zahra Bisadi](#) · Generation of Truly Random Numbers Using Si-NC LEDs

Coffee Break

11:00 · 12:30 – Second Morning Session

Chair: Dr. [Massimiliano Rinaldi](#)

- [Lorenzo Contessi](#) · Nuclear Calculations Using Lattice Data and Monte-Carlo Methods
- [Fabrizio Ferrari Ruffino](#) · Nonsymmetrized-Hyperspherical-Harmonics Method Applied to Light Hypernuclei
- [Takumu Kawamura](#) · Numerical Simulation of Compact Objects: Black Holes and Neutron Stars
- [Giulia De Rosi](#) · Collective Oscillations in Ultracold Trapped Gases
- [Simone Serafini](#) · Exploring Vortex Dynamics in a Bose-Einstein Condensate

Lunch Break

13:30 · 14:30 – Poster Session

14:30 · 15:30 – Afternoon Session

Chair: Dr. [Valerio Ferroni](#)

- [Gaetano Zappalà](#) · Single-Photon Detector: Silicon Photomultiplier and its Applications
- [Maria Concetta Tringali](#) · Surveying the Gravitational-Wave Sky
- [Roberta Giustieri](#) · An Overview on LISA Pathfinder Mission

Coffee Break

16:00 · 16:15 – Opening of the Academic Year

Prof. [Giovanni Andrea Prodi](#), Director of the PhD School in Physics

16:15 · 16:30 – Surprise Event

16:30 · 17:30 – Lectio Magistralis

Chair: Dr. [Hannah Price](#)

Prof. [Tullio Scopigno](#), Università di Roma “La Sapienza” · From Glass Flow to the Rupture of a Chemical Bond: Shining Light on the Ultraslow and the Ultrafast

17:30 · 17:45 – Closing and Best-Poster-Prize Giving

Social Dinner + Live Concert*