

Physics PhD Workshop 2012

February 29th, 2012

hall 106 (padiglione nord FBK)

via Sommarive, 18

8.45 Opening

Prof. Giuseppe Dalba, head of the Department of Physics

9.00 - 10.30 First Morning Session

Chair: Dr. Tatjana Škrbić

- Konstantin Kanishev: Higgs Physics at the LHC
- Natalia Matveeva: Quantum Monte Carlo methods for study of dipolar ultracold gases
- Diego Lonardonì: A Monte Carlo approach to the study of medium-light hypernuclei properties
- Roberto Covino: Protein folding pathway homogeneity: does all roads lead to Rome?

Coffee Break

11.00 - 12.30 Second Morning Session

Chair: Dr. Fernando Ramiro Manzano

- Antonio Pontin: Towards observation of quantum effects in radiation pressure
- Andrea Tengattini: Infrared LEDs based on Erbium doped silicon nanocrystals
- Neeraj Kumar: Nano-structured silicon as “Bio-sensor”
- Lea Di Noto: Study of cold positronium in Rydberg state for AEGIS experiment

Lunch Break

14.00 - 15.00 Poster Session

15.00 Opening of the Academic Year

Prof. Stefano Giorgini, director of the PhD School in Physics

15.15 - 16.15 Lectio Magistralis

Chair: Dr. Alessio Recati

Dr. Stefano Gandolfi: Properties and similarities of fermions in nuclear physics, cold atoms and neutron stars

16.15 Scientific break (coffee & physics)

Social Dinner*

*booking on the PhD Students website