



UNIVERSITY
OF TRENTO - Italy
Department of Physics
Doctoral School in Physics

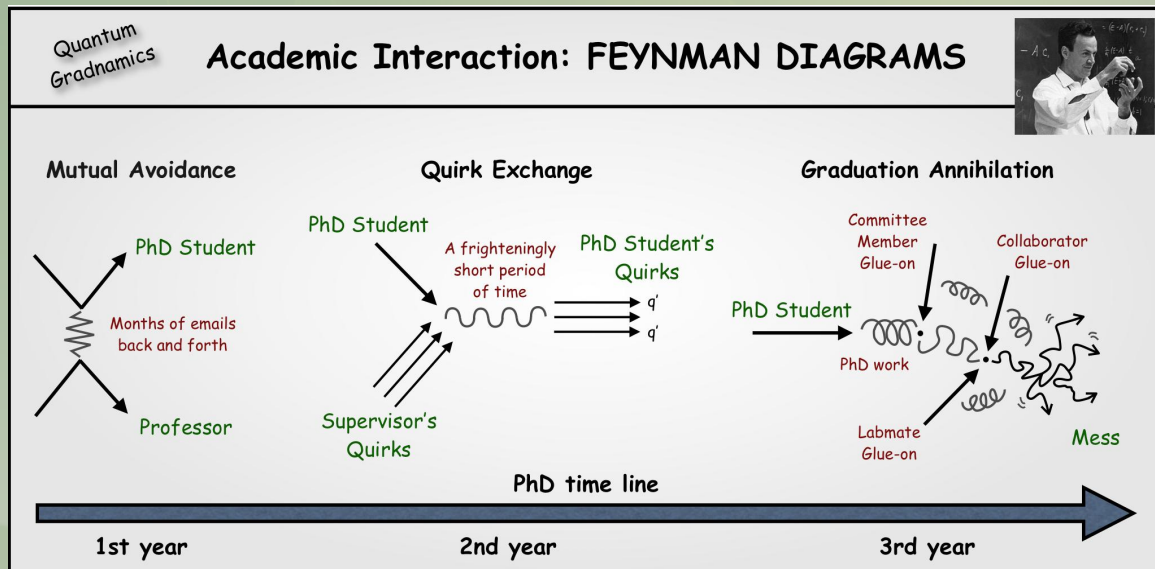
February 29th, 2012

8.45 - 17.30

hall 106 (padiglione nord FBK)

via Sommarive, 18

Physics PhD Workshop 2012



Opening of the Academic Year of the PhD School in Physics

Lectio Magistralis

*Properties and similarities of Fermions
in nuclear physics, cold atoms
and neutron stars*

Stefano Gandolfi

LANL (Los Alamos National Laboratory)

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