

PhD Physics – 23rd Cycle

Name and Surname	Title of the Thesis	Tutor	Graduation year
Abd El All Naglaa	Negative Thermal Expansion in Zincblende Structure: an EXAFS of CdTe	P. Fornasini	2010
Armani Paolo	Progress on development of EFT-based NN and accurate NA interaction by Monte Carlo Methods	F. Pederiva	2011
Bertaina Gianluca	Study of Ultracold Fermi Gases in the BCS-BEC Crossover: Quantum Monte Carlo Methods, Hydrodynamics and Local Density Approximation	S. Giorgini	2010
Chiari Luca	Climate change and the exhaustion of fossil Energy and mineral resources	A. Zecca	2010
Dholam Rupali	Development of Solar sensitive thin films for water splitting & water heating using solar concentrator	A. Miotello	2010
Fernandes Rohan Pascal	Synthesis, characterization, and field-test of Hydrogen production by hydrolysis of chemical hydrides	A. Miotello	2010
Guglielmino Michela	Verso una didattica costruttivista dell'astro-fisica: nuovi approcci e percorsi	S. Oss	2010
Marin Diego	From the Hamiltonian formalism to spin-foams	S. Zerbini	2010
Masi Giulio Marco	Modeling of silicon resonators for on-chip optical routing and switching	L. Pavesi	2011
Millo Raffaele	Effective theories for non perturbative vacuum fields	P. Faccioli	2011
Nicolodi Daniele	Femto-Newton level testing of free-fall on ground	W. J. Weber	2011

PhD Programme in Physics

Piazza Francesco	Atomic Bose Einstein condensates: superfluidity, interferometry and entanglement	A. Smerzi	2011
Sandron Tommaso	Investigation of biological membranes by using NMR and ESI-MS Methodologies	G. Guella	2010
Torrenzo Simona	Surface functionalization and characterization of diamond thin films for sensing applications	A. Miotello	2010