

**PhD Physics – 27th Cycle**

<b>Name and Surname</b>	<b>Title of the Thesis</b>	<b>Tutor</b>	<b>Graduation year</b>
Bartolo Nicola Cotutela con Montpellier	Matter Waves in Reduced Dimensions: Dipolar-Induced Resonances and Atomic Artificial Crystals	C. Menotti, S. Giorgini	2014
Brigidi Fabio	Modelling of Grazing Incidence X-Ray Fluorescence (GIXRF) for surface layer characterization	G. Pepponi	2015
Edla Raju	Development of nanocatalyst for energy and environment	A. Miotello	2014
Franchi Matteo	Development of new analytical techniques for chaotic time series	L. Ricci	2015
Gandolfi Davide	On chip photonic label free biosensors	L. Pavesi	2015
Haringer Stephan	Advances in the Growth and Characterization of Silicon single crystal with the Czochralski process	G. Pucker	2015
Martini Luca Matteo	Density measurement of OH radicals in non thermal plasmas by laser induced fluorescence and time-resolved absorption spectroscopy	P. Tosi	2015
Martone Giovanni Italo	Static and dynamic properties of spin-orbit-coupled Bose-Einstein condensates	S. Stringari	2014
Pena Ardila Luis Aldemar	Impurities in a Bose-Einstein condensate using quantum Monte-Carlo methods: ground state properties	S. Giorgini	2015
Roggero Alessandro	Ground state and dynamical properties of many-body systems by non-conventional Quantum Monte Carlo algorithms	F. Pederiva	2014
Russano Giuliana	A torsion pendulum ground test of the LISA Pathfinder Free-fall mode	R. Dolesj, W.J. Weber	2015
Schneider Elia	Quantum Transport of Charges and Excitations through Macromolecules	P. Faccioli	2015
Vaccari Alessandro	Modeling the interaction of light with photonic structures by direct numerical solution of Maxwell's equations	L. Calliari	2015