

PhD Physics – 24th Cycle

Name and Surname	Title of the Thesis	Tutor	Graduation year
Autieri Emmanuel	Development of free energy calculation methods forth: study of monosaccharides conformation in computer simulations	F. Pederiva	2011
Aysina Julia	Experimental study of ion-molecule reactions of aromatic hydrocarbons	P. Tosi	2011
Battisti Anna	Computer simulations of biomolecular systems	M. Dapor	2012
Congedo Giuseppe	Spacetime metrology with LISA Pathfinder	S. Vitale	2012
Di Criscienzo Roberto	Semiclassical aspects of black holes physics	L. Vanzo	2011
Landini Manuele	A tunable Bose-Einstein condensate for Quantum interferometry	A. Smerzi	2012
Luciu Ioana	RF plasma synthesis and characterization of thin oxide films for transparent conductors	B. Laidani	2012
Marconi Alessandro	Silicon nanocrystal based Light emitting devices for silicon Photonics	L. Pavesi	2011
Peng Pu (cotutela UPMC Parigi)	Electrochemical and photoelectrochemical study of the conduction modes in nanostructured tio2 films	N. Laidani	2012
Prtjaga Nikola	Silicon nanocrystals: from bio-imager to Er ³⁺ sensitizer	L. Pavesi	2012
Sebastiani Lorenzo	General aspects of modified theories of gravity	S. Zerbini	2011
Tamboli Vajir	An electrospray ionization: mass spectrometric study on the reactivity of resveratrol induced by metal ions	P. Tosi, I Mancini	2011
Tonezzer Matteo	Optimization of nanostructured materials towards gas sensing	A. Miotello	2011



PhD Programme in Physics

Zanatta Marco	Vibrational dynamics in strong glasses: the cases of densified v -SiO ₂ and v -SiSe ₂	A. Fontana	2011
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