

PhD Physics – 26th Cycle

Name and Surname	Title of the Thesis	Tutor	Graduation year
Cazzolli Giorgia	Protein structural dynamics and thermodynamics from advanced simulation techniques	P. Verrocchio	2013
Covino Roberto	Investigating Protein Folding Pathways at Atomistic Resolution: from a Small Domain to a Knotted Protein	P. Faccioli	2013
Di Noto Lea	Positronium in AeGis experiment: study on its emission from nanochanneled samples and design of a new apparatus for Rydberg excitations	R. S. Brusa	2014
Hou Yan Hua	Two fluid hydrodynamics of a quasi-ID Unitary Fermi Gas	S. Stringari	2013
Kanishchev Konstantin	Studies of the Higgs sector in $H \rightarrow ZZ \rightarrow 2l2q$ and $bbH \rightarrow 4b$ semileptonic channels at CMS	I. Lazzizzera	2013
Lonardoni Diego	From Hypernuclei to Hypermatter: a Quantum Monte Carlo Study of Strangeness in Nuclear Structure and Nuclear Astrophysics	F. Pederiva	2013
Kumar Neeraj	Fabrication of n-type porous silicon membranes for sensing applications	P. Bettotti	2013
Pontin Antonio	Stabilized optomechanical systems for quantum optics	G. A. Prodi	2014
Rocca Francesco	Engineering and characterization of a GFP-based biosensors for chloride intracellular measurements	D. Arosio (CNR)	2014
Tengattini Andrea	Erbium and silicon nanocrystals based light emitting devices for lightwave circuits	L. Pavesi	2013
Zou Peng	Mean field theory for the dynamics of superfluid fermions in the BCS-BEC crossover	F. Dalfovo	2014