

PhD Physics – 28th Cycle

Name and Surname	Title of the Thesis	Tutor	Graduation year
Borghini Massimo	Linear, nonlinear and quantum optics in silicon photonics	L. Pavesi	2016
Boselli Maddalena	Understanding reaction dynamics of low-energy weakly-bound nuclei	A. Diaz-Torres	2016
Deflorian Sergio	Ab initio calculations for hadronic and electromagnetic reactions in few body systems	W. Leidemann	2016
Donadello Simone	Observation of the Kibble-Zurek mechanism in a bosonic gas	G. Ferrari	2016
El Koura Zakaria	Solar water splitting for hydrogen production: development of photocatalysts based on earth abundant and biocompatible materials (TiO_2 and Fe_2O_3)	A. Miotello	2016
Leonardi Matteo	Development of a squeezed light source prototype for Advanced Virgo	G.A. Prodi	2016
Safeen Mian Kashif	Growth study and characterization of TiO_2 based films for low temperature synthesis of transparent conducting films	N. B. Laidani	2016
Salerno Grazia	Artificial Gauge Fields in Photonics and Mechanical Systems	I. Carusotto	2016
Samusenko Alina	Silicon-based photonic integrated circuit for label-free biosensing	G. Pucker	2016
Sartori Alberto	Dynamical properties of Bose-Bose Mixtures	A. Recati	2016
Secchi Maria	Nanostructure formation on Germanium by ion irradiation	D. Giubertoni	2016
Testi Matteo	Novel methods and models to validate H^2 storage in solid state materials	L. Crema	2017
Vasilchenko Iustyna	Fabrication and characterization of phosphate-based planar waveguides activated by Er^{3+} ions	M. Ferrari	2016



PhD Programme in Physics

Zendri Giuliano	Progetti didattici ed educativi sull'energetica. Analisi di situazioni per la proposta di un incontro rinnovato con la fisica	S. Oss	2016
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