

PhDs

- [Dark matter in dense astrophysical objects](#)
Marina Cermeño, USAL, May 2019
Supervisor: M. Ángeles Pérez García
- [Tecnologías acústicas para la detección de Materia Oscura. Diseño y desarrollo de un detector Geyser](#)
Iván Felis, UPV, July 2017
Supervisors: Miguel Ardid, Manuel Bou, Juan Antonio Martínez Mora
- [Indirect search for dark matter in the Sun and the Galactic Centre with the ANTARES neutrino telescope](#)
Christoph Tönnis, IFIC, January 2017
Supervisors: Juan José Hernández Rey, Juan de Dios Zornoza
- [Background evaluation of the ANAIS dark matter experiment in different configurations: towards a final design](#)
Patricia Villar, UZ, December 2016
Supervisor: María Luisa Sarsa
- [Collider Phenomenology of Dark Matter Models](#)
Víctor Martín Lozano, UAM/IFT, December 2016
Supervisors: David G. Cerdeño, Jesús M. Moreno
- [Star-forming galaxies as tools for cosmology in new-generation spectroscopic surveys](#)
Ginevra Favole, IAA - IFT, May 2016
Supervisor: Francisco Prada
- [Flavor Mixing Phenomenology in Supersymmetric Models](#)
Muhammad Rehman, IFCA, February 2016
Supervisors: Sven Heinemeyer, Mario E. Gómez
- [Indirect Searches of TeV Dark Matter](#)
Viviana Gammaldi, UCM-Th, November 2015
Supervisors: José A. R. Cembranos, Antonio Maroto
- [Galactic Magnetic Fields and Cosmic Ray Anisotropies](#)
Joaquín Castellano Simón, UGR, May 2015
Supervisors: Manuel Masip, Eduardo Battaner
- [Discriminación de Rayos Cósmicos de Ultra Alta Energía con el Observatorio Espacial de Universo Extremo \(EUSO\)](#)
Guadalupe Sáez, UAH, May 2015
Supervisors: María Dolores Rodríguez Frías, Luis del Peral
- [Measurement of the gamma-ray opacity of the Universe with the MAGIC telescopes](#)
Adiv González, IFAE, April 2015
Supervisor: Abelardo Moralejo
- [Design and Development of an Acoustic Calibrator for Deep-Sea Neutrino Telescopes and First Search for Secluded Dark Matter with ANTARES](#)

- Silvia Adrián Martínez, UPV, Marzo 2015
Supervisor: Miguel Ardid Ramírez, Manuel Bou Cabo
- [Neutrino physics and dark matter](#)
Sofiane Boucenna, IFIC-AHEP, November 2014
Supervisors: José W.F. Valle and Stefano Morisi
 - A new analog trigger system for the cherenkov telescope array
Luis Ángel Tejedor Álvarez, UCM-GAE, November 2014
Supervisors: Juan Abel Barrio, José Ignacio Alonso
 - LHC Phenomenology and Neutrino Physics in GUT inspired SUSY models
Laslo Reichert, IFIC-AHEP, July 2014
Supervisors: Martin Hirsch, José W.F. Valle
 - [The LCDM model at small scales: Milky Way's satellites and the cusp-core crisis](#)
Arianna Di Cintio, UAM, July 2014
Supervisors: Alexander Knebe, Alessandro Melchiorri
 - A complementary approach for the identification of dark matter
Miguel Peiró, UAM/IFT, July 2014
Supervisor: David G. Cerdeño
 - [Simulating cosmologies beyond the Standard Model](#)
Edoardo Carlesi, UAM, May 2014
Supervisor: Alexander Knebe
 - [Large scale simulations of the Sunyaev-Zel'dovich Effect: the next generation tool for Precision Cosmology](#)
Federico Sembolini, UAM, May 2014
Supervisors: Gustavo Yepes, Marco De Petris
 - New models in particle and astroparticle physics: consequences for DM and LHC
Valentina De Romeri, IFIC-AHEP, December 2013
Supervisors: F. Donato, M. Hirsch, and J.W.F. Valle
 - Characterization of scintillating bolometers for particle detection and installation of a bolometric test facility in the University of Zaragoza
Carlos Ginestra, UZ, November 2013
Supervisor: Eduardo García Abancéns
 - Detección de neutrones con bolómetros centellantes de fluoruro de litio y zafiro y su aplicación en experimentos de búsqueda de materia oscura
Tomás Alberto Rolón Cabrera, UZ, September 2013
Supervisor: Jorge Mario Puimedón Santolaria
 - [Dark Matter Searches in the Gamma-ray Sky with the FermiLAT Space Telescope](#)
Germán Arturo Gómez Vargas, IFT, September 2013
Supervisors: Luis Labarga, Carlos Muñoz
 - [Optimized Dark Matter Searches in Deep Observations of Segue 1 with MAGIC](#)
Jelena Aleksic, IFAE, June 2013
Supervisors: Manel Martínez, F. Javier Rico, Enrique Fernández
 - [AN AIS-0: Feasibility study for a 250 kg NaI\(Tl\) dark matter search experiment at the Canfranc Underground Laboratory](#)
Clara Cuesta, UZ, May 2013
Supervisor: María Luisa Sarsa
 - [Cosmological implications of some nonstandard particle physics scenarios](#)

Urbano Lopes-França, IFIC-AHEP, October 2012

Supervisor: Sergio Pastor

- [Design and Development of an acoustic positioning system for a cubic kilometre underwater neutrino telescope](#)

Giuseppina Larosa, UPV, July 2012

Supervisor: Miguel Ardid

- [High Energy Phenomena in Clusters of Galaxies](#)

Fabio Zandanel, IAA, May 2012

Supervisor: Francisco Prada

- [Dark matter constraints from high energy astrophysical observations](#)

Daniel Nieto, UCM-GAE, February 2012

Supervisor: Juan Abel Barrio

- [Phenomenology of a new supersymmetric standard model, the \$\mu\$ vSSM](#)

Javier Fidalgo, UAM/IFT, December 2011

Supervisor: Carlos Muñoz

- [The Higgs boson and new physics at the TeV scale](#)

Roberto Barceló, UGR, May 2011

Supervisor: Manuel Masip

- [Gravitational wave observation of compact binaries: detection, parameter estimation and template accuracy](#)

Miquel Trias, UIB, February 2011

Supervisor: Alicia M. Sintes

- [Extragalactic background light and its implications for galaxy evolution and gamma-ray astronomy](#)

Alberto Domínguez, IAA, February 2011

Supervisors: Francisco Prada and Manuel Lozano

- [Acoustics for underwater neutrino telescopes](#)

Manuel Bou, UPV, January 2011

Supervisors: Miguel Ardid and Víctor Espinosa

- [The virialized properties of dark matter halos: signals from the large-scale structure](#)

Antonio J. Cuesta, IAA, July 2010

Supervisor: Francisco Prada

- [Some cosmological and astrophysical aspects of modified gravity theories](#)

Álvaro de la Cruz Dombriz, UCM-Th, April 2010

Supervisors: Antonio Dobado y Antonio López Maroto

- [Caracterización de un bolómetro centelleador de BGO \(Bi₄Ge₃O₁₂\) para su aplicación en la búsqueda directa de materia oscura](#)

Ysrael R. Ortigoza, UZ, January 2010

Supervisor: Eduardo García

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Master Degrees

- [Medida del tiempo de vuelo y distribución angular de muones con centelleadores](#)

Elena Rodríguez, UHU, January 2013

Supervisor: Mario Gómez

- [Testing of the actuator of the BigBOSS experiment](#)

Elena Barrios, UHU, November 2011

Supervisors: Mario Gómez and Francisco Prada

- [Numerical evolution of the Einstein equations in speherical symmetry: the GBSSN equations and conformal compactification](#)

Alex Vañó, UIB, June 2011

Supervisor: Sascha Husa

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Undergraduate Final Projects

- [Electrónica de control de un mini-robot para el posicionamiento micrométrico de una fibra óptica en el plano focal de un telescopio](#)

Nasib Fahim, EPS-UAM, July 2013

Supervisor: Guillermo González