



**Juan de Dios Zornoza Gómez**

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Date of document: 14/11/2019

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## Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

Mi trayectoria científica se ha centrado en los telescopios de neutrinos, gracias a diferentes becas y contratos (FPI, Marie Curie, Juan de la Cierva, Consolider, Ramón y Cajal). Actualmente soy Profesor Contratado Doctor en la UV. He trabajado en los experimentos más relevantes en este campo (ANTARES, AMANDA, IceCube, KM3NeT) en muy diversas tareas tanto de hardware como de análisis.

Mis contribuciones más destacadas han sido la primera búsqueda de fuentes puntuales realizada con ANTARES y la primera búsqueda de rayos gamma con un telescopio de neutrinos (AMANDA), así como los trabajos de hardware para la caracterización de fotomultiplicadores y la calibración temporal. Estos trabajos se han plasmado en la publicación de varios artículos de los que he sido corresponding author. También he realizado análisis sobre materia oscura con ANTARES. Cuento con 112 publicaciones, a las que corresponde un índice-h de 44 (Inspires).

He dirigido cuatro tesis doctorales relacionadas con estos temas (una de ellas obtuvo el Premio Extraordinario de Doctorado) y estoy dirigiendo otras cinco. He sido el Investigador Responsable en dos becas JAE-INTRO y he sido el tutor de cinco TFMs y de nueve TFGs.

Soy, por segunda vez, IP de un proyecto coordinado del Plan Nacional (IFIC: 770,000€, total: 1,300,000€) y uno de los seis Participantes (como líder del grupo UV y como coordinador de un WP) de un proyecto H2020-InfraDev (IFIC: 251.250€, total: 3.795.000€).

Los resultados de mis trabajos, así como reviews generales, los he presentado en más de 60 conferencias internacionales y he realizado un centenar de presentaciones internas en las colaboraciones en las que he trabajado.

También estoy muy involucrado en responsabilidades de coordinación de Grupos de Trabajo (ANTARES: Calibración, Fuentes Puntuales, Materia Oscura, KM3NeT: Calibración Temporal, MultiDark: Neutrinos y Rayos Cósmicos de Alta Energía) y comités (Comité de Conferencias de ANTARES, del que he sido chairman, Comité de Publicaciones de ANTARES, Comité de Publicaciones de KM3NeT, Resource Review Board de KM3NeT y los Steering Committees and Institution Boards de estos experimentos).



Mi participación como organizador de workshops incluye HOW 2018, Dark Ghosts 2018, MultiDark, Bootcamp, Dark Ghosts 2013. He sido convener o miembro de comités de organización científicos en TAUP2020, PPNT2019, BSMNT16, MANTS16, IVICFA 2015, ICHEP 2014, VLVnT 2013, RICAP 2013, 2014 y 2016, entre otros.

También doy clases en la Universidad de Valencia, con clases de licenciatura y máster. He contribuido en diversas actividades de divulgación científica (conferencias, artículos en prensa nacional, guía en varios eventos como “Expociencia”, “Wonders of Physics”, charlas CPAN). Soy uno de los 12 participantes de un proyecto ERASMUS+ de 160,000€.

He creado, junto con otra investigadora del IFIC, la Oficina de Jóvenes Investigadores, Género y Diversidad del IFIC.

**Resumiendo:** llevo 20 años siguiendo los trabajos de análisis y laboratorio en el campo de los telescopios de neutrinos, soy coordinador de varios Grupos de Trabajo en grandes experimentos, tengo experiencia en la gestión de proyectos como IP (dos del Plan Nacional y una del H2020), soy autor principal de varios artículos en temas relacionados con este proyecto, he dirigido cuatro tesis doctorales (y los soy también director de otras cuatro en curso) y he presentado resultados mi trabajo en más de 60 conferencias internacionales.

## General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

Citation summary (inspirehep.net, as 26/10/2019):

Papers (citable/published): 112 /89

Citations: 6447/6380

Citations per paper: 57.6/71.7

h-indexHEP: 44/44

<http://inspirehep.net/author/profile/J.D.Zornoza.1?ln=es>

<http://orcid.org/0000-0002-1834-0690>

<http://www.researcherid.com/rid/L-1604-2014>

Scopus author ID: 9436696300

Cinco publicaciones más relevantes durante los últimos años:

1) "The search for neutrinos from TXS 0506+56 with the ANTARES telescope", A. Albert et al. (ANTARES Collaboration), *Astrophys.J.* 863 (2018) 2, L30, DOI: 10.3847/2041-8213/aad8c0, arXiv:1807.04309

2) "First all-flavour neutrino pointlike source search with the ANTARES neutrino telescope", A. Albert et al. (ANTARES Collaboration), *Phys. Rev. D* 96, 082001 (2017), DOI: 10.3847/2041-8213/aaa4f6, arXiv:1711.07212

3) "Results from the search for dark matter in the Milky Way with 9 years of data of the ANTARES neutrino telescope", A. Albert et al (ANTARES Collaboration), *Physics Letters B*, 769, 2017, DOI 10.1016/j.physletb.2017.03.063, arXiv:1612.04595

4) "Limits on dark matter annihilation in the Sun using the ANTARES neutrino telescope", *Phys. Lett. B* 759 (2016), S. Adrián-Martínez et al. (ANTARES Collaboration), DOI: 10.1016/j.physletb.2016.05.019, arXiv: 1603.02228



5) "The first combined search for neutrino point-sources in the Southern Hemisphere with the ANTARES and IceCube neutrino telescopes", S. Adrián-Martínez et al. (ANTARES and IceCube Collaborations), *Astrophys.J.* 823 (2016) 1, DOI: 10.3847/0004-637X/823/1/65, arXiv:1511.02149

6) "Searches for point-like and extended neutrino sources close to the Galactic Centre using the ANTARES neutrino telescope", S. Adrian-Martinez et al. (ANTARES Collaboration) Feb 25, 2014. *Astrophys.J.* 786 (2014) L5, DOI: 10.1088/2041-8205/786/1/L5, arXiv:1402.6182



## Juan de Dios Zornoza Gómez

Surname(s): **Zornoza Gómez**  
 Name: **Juan de Dios**  
 ORCID: **0000-0002-1834-0690**  
 ScopusID: **9436696300**  
 ResearcherID: **L-1604-2014**  
 Date of birth: **13/10/1976**  
 Gender: **Male**  
 Nationality: **Spain**  
 Country of birth: **Spain**  
 Email: **zornoza@ific.uv.es**

### Current professional situation

**Employing entity:** Universitat de València      **Type of entity:** University  
**Department:** Física Atómica, Molecular y Nuclear, Facultad de Física  
**Professional category:** Profesor Contratado Doctor  
**Start date:** 29/07/2019

### Previous positions and activities

|    | Employing entity                                | Professional category      | Start date |
|----|---|----------------------------|------------|
| 1  | Universitat de València                         | Investigador Doctor        | 01/12/2018 |
| 2  | Universitat de València                         | Investigador Ramón y Cajal | 01/12/2013 |
| 3  | Instituto de Física Corpuscular                 | Postdoc                    | 01/05/2013 |
| 4  | Universidad Autónoma de Madrid                  | Contrato Consolidar        | 01/05/2011 |
| 5  | Consejo Superior de Investigaciones Científicas | Contrato Juan de la Cierva | 01/05/2008 |
| 6  | Consejo Superior de Investigaciones Científicas | Contrato Marie Curie       | 01/05/2007 |
| 7  | University of Madison-WI                        | Contrato Marie Curie       | 01/05/2005 |
| 8  | Consejo Superior de Investigaciones Científicas | Beca FPI                   | 01/09/2001 |
| 9  | Consejo Superior de Investigaciones Científicas | Beca asociada a proyecto   | 01/01/2000 |
| 10 | Universitat de València                         | Beca de Colaboración       | 01/01/1999 |

**1** **Employing entity:** Universitat de València      **Type of entity:** University  
**Professional category:** Investigador Doctor  
**Start-End date:** 01/12/2018 - 28/07/2019

**2**



- Employing entity:** Universitat de València      **Type of entity:** University  
**Professional category:** Investigador Ramón y Cajal  
**Start-End date:** 01/12/2013 - 30/11/2018      **Duration:** 5 years
- 3** **Employing entity:** Instituto de Física Corpuscular      **Type of entity:** State agency  
**Professional category:** Postdoc  
**Start-End date:** 01/05/2013 - 30/11/2013
- 4** **Employing entity:** Universidad Autónoma de Madrid      **Type of entity:** University  
**Professional category:** Contrato Consolidar  
**Start-End date:** 01/05/2011 - 30/04/2013      **Duration:** 2 years
- 5** **Employing entity:** Consejo Superior de Investigaciones Científicas      **Type of entity:** State agency  
**Professional category:** Contrato Juan de la Cierva  
**Start-End date:** 01/05/2008 - 30/04/2011      **Duration:** 3 years
- 6** **Employing entity:** Consejo Superior de Investigaciones Científicas      **Type of entity:** State agency  
**Professional category:** Contrato Marie Curie  
**Start-End date:** 01/05/2007 - 30/04/2008      **Duration:** 1 year
- 7** **Employing entity:** University of Madison-WI      **Type of entity:** University  
**Professional category:** Contrato Marie Curie  
**Start-End date:** 01/05/2005 - 30/04/2007      **Duration:** 2 years
- 8** **Employing entity:** Consejo Superior de Investigaciones Científicas      **Type of entity:** State agency  
**Professional category:** Beca FPI  
**Start-End date:** 01/09/2001 - 30/04/2005      **Duration:** 3 years - 8 months
- 9** **Employing entity:** Consejo Superior de Investigaciones Científicas      **Type of entity:** State agency  
**Professional category:** Beca asociada a proyecto  
**Start-End date:** 01/01/2000 - 31/08/2001      **Duration:** 1 year - 8 months
- 10** **Employing entity:** Universitat de València      **Type of entity:** University  
**Professional category:** Beca de Colaboración  
**Start-End date:** 01/01/1999 - 31/03/1999      **Duration:** 3 months



## Education

### University education

#### 1st and 2nd cycle studies and pre-Bologna degrees

**University degree:** Higher degree

**Name of qualification:** Licenciado en Ciencias Físicas

**Degree awarding entity:** Universitat de València      **Type of entity:** University

**Date of qualification:** 23/07/1999

#### Doctorates

**Doctorate programme:** Programa Oficial de Doctorado en Física Nuclear y de Partículas

**Degree awarding entity:** Universitat de València      **Type of entity:** University

**Date of degree:** 15/03/2005

#### Other postgraduate university studies

**Postgraduate qualification:** Diploma de Estudios Avanzados

**Degree awarding entity:** Universitat de València      **Type of entity:** University

**Faculty, institute or centre:** Facultad de Física

### Attended advanced, improvement and innovative teacher training and new technology courses and seminars focused on improving teaching

- 1 Title of course/seminar:** Certificate of Advanced Level of English (equivalent to C2)  
**Organising entity:** Conselleria d'Educació de la Generalitat Valenciana
- 2 Title of course/seminar:** Certificate of Intermediate Level of French  
**Organising entity:** Conselleria d'Educació de la Generalitat Valenciana  
**Faculty, institute or centre:** Official School of Languages
- 3 Title of course/seminar:** Certificate of Intermediate Level of Valencian (Grau Mitjà)  
**Organising entity:** Conselleria d'Educació de la Generalitat Valenciana  
**Faculty, institute or centre:** Junta Qualificadora de Coneixements de Valencià
- 4 Title of course/seminar:** Curso de Aptitud Pedagógica (CAP)  
**Organising entity:** Conselleria d'Educació de la Generalitat Valenciana



## Language skills

| Language | Listening skills | Reading skills | Spoken interaction | Speaking skills | Writing skills |
|----------|------------------|----------------|--------------------|-----------------|----------------|
| Catalan  |                  | C1             | C1                 | C1              | C1             |
| French   |                  | C1             | C1                 | C1              | C1             |
| English  |                  | C1             | C1                 | C1              | C1             |

## Teaching experience

### General teaching experience

- 1** **Name of the course:** Física II  
**University degree:** Grado en Física  
**Start date:** 2017 **End date:** 31/07/2018  
**End date:** 2018  
**Entity:** Universitat de València **Type of entity:** University
- 2** **Name of the course:** Física II  
**University degree:** Grado en Química  
**Start date:** 2017 **End date:** 31/07/2018  
**End date:** 2018  
**Entity:** Universitat de València **Type of entity:** University
- 3** **Name of the course:** Física de partículas experimental  
**University degree:** Máster de Física Avanzada  
**Start date:** 2017 **End date:** 31/07/2018  
**End date:** 2018  
**Entity:** Universitat de València **Type of entity:** University
- 4** **Name of the course:** Física de partículas experimental  
**University degree:** Máster de Física Avanzada  
**Start date:** 2017 **End date:** 31/07/2017  
**End date:** 2018  
**Entity:** Universitat de València **Type of entity:** University
- 5** **Name of the course:** Física II  
**University degree:** Grado en Física  
**Start date:** 2016 **End date:** 31/07/2017  
**End date:** 2017  
**Entity:** Universitat de València **Type of entity:** University
- 6** **Name of the course:** Física II  
**University degree:** Grado en Química  
**Start date:** 2016 **End date:** 31/07/2017  
**End date:** 2017  
**Entity:** Universitat de València **Type of entity:** University



- 7** **Name of the course:** Física II  
**University degree:** Grado en Física  
**Start date:** 2015 **End date:** 31/07/2016  
**End date:** 2016  
**Entity:** Universitat de València **Type of entity:** University
- 8** **Name of the course:** Física II  
**University degree:** Grado en Química  
**Start date:** 2015 **End date:** 31/07/2016  
**End date:** 2016  
**Entity:** Universitat de València **Type of entity:** University
- 9** **Name of the course:** Física de partículas experimental  
**University degree:** Máster de Física Avanzada  
**Start date:** 2015 **End date:** 31/07/2016  
**End date:** 2016  
**Entity:** Universitat de València **Type of entity:** University
- 10** **Name of the course:** Física II  
**University degree:** Grado en Química  
**Start date:** 2014 **End date:** 31/07/2015  
**End date:** 2015  
**Entity:** Universitat de València **Type of entity:** University
- 11** **Name of the course:** Física de partículas experimental  
**University degree:** Máster de Física Avanzada  
**Start date:** 2014 **End date:** 31/07/2015  
**End date:** 2015  
**Entity:** Universitat de València **Type of entity:** University
- 12** **Name of the course:** Iniciación a la física experimental  
**University degree:** Grado en Física  
**Start date:** 2014 **End date:** 31/07/2015  
**End date:** 2015  
**Entity:** Universitat de València **Type of entity:** University
- 13** **Name of the course:** Física II  
**University degree:** Grado en Química  
**Start date:** 2014 **End date:** 31/07/2014  
**End date:** 2014  
**Entity:** Universitat de València **Type of entity:** University  
**Faculty, institute or centre:** Facultad de Química
- 14** **Name of the course:** Física de Partículas Experimental  
**University degree:** Master de Física Avanzada  
**Start date:** 2013 **End date:** 13/02/2014  
**End date:** 2014  
**Entity:** Universitat de València **Type of entity:** University  
**Faculty, institute or centre:** Facultad de Física



- 15** **Name of the course:** Cálculo numérico  
**University degree:** Licenciado en Ciencias Físicas  
**Start date:** 2002 **End date:** 30/06/2003  
**End date:** 2003  
**Entity:** Universitat de València **Type of entity:** University  
**Faculty, institute or centre:** Facultad de Física
- 16** **Name of the course:** Técnicas Experimentales en Física General  
**University degree:** Licenciado en Ciencias Físicas  
**Start date:** 2001 **End date:** 30/06/2002  
**End date:** 2002  
**Entity:** Universitat de València **Type of entity:** University  
**Faculty, institute or centre:** Facultad de Física
- 17** **Name of the course:** Física General  
**University degree:** Grado en Física  
**Start date:** 2019  
**End date:** 2020  
**Entity:** Universitat de València **Type of entity:** University
- 18** **Name of the course:** Física II  
**University degree:** Grado en Química  
**Start date:** 2019  
**End date:** 2020  
**Entity:** Universitat de València **Type of entity:** University
- 19** **Name of the course:** Física de Partículas Experimental  
**University degree:** Máster de Física Avanzada  
**Start date:** 2019  
**End date:** 2020  
**Entity:** Universitat de València **Type of entity:** University
- 20** **Name of the course:** Iniciación a la Física Experimental  
**University degree:** Grado en Física  
**Start date:** 2019  
**End date:** 2020  
**Entity:** Universitat de València **Type of entity:** University
- 21** **Name of the course:** Física General  
**University degree:** Grado en Física  
**Start date:** 2018  
**End date:** 2019  
**Entity:** Universitat de València **Type of entity:** University
- 22** **Name of the course:** Física II  
**University degree:** Grado en Química  
**Start date:** 2018  
**End date:** 2019  
**Entity:** Universitat de València **Type of entity:** University



- 23** **Name of the course:** Física de Partículas Experimental  
**University degree:** Máster de Física Avanzada  
**Start date:** 2018  
**End date:** 2019  
**Entity:** Universitat de València **Type of entity:** University
- 24** **Name of the course:** Iniciación a la Física Experimental  
**University degree:** Grado en Física  
**Start date:** 2018  
**End date:** 2019  
**Entity:** Universitat de València **Type of entity:** University
- 25** **Name of the course:** Física II  
**University degree:** Grado en Química  
**Start date:** 2013  
**End date:** 2014  
**Entity:** Universitat de València **Type of entity:** University

### Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Contribuciones a la electrónica de adquisición y sincronismo del telescopio de neutrinos KM3NeT  
**Entity:** Universitat de València  
**Student:** David Calvo Díaz-Aldagalán  
**Date of reading:** 2021
- 2** **Project title:** Neutrino mass hierarchy determination with KM3NeT-ORCA  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Sergio Navas  
**Entity:** Universitat de València  
**Student:** N. Khan Chowdhury  
**Date of reading:** 2020
- 3** **Project title:** Search for cosmic point sources of high energy neutrinos with the ANTARES and KM3NeT neutrino telescopes and time calibration with potassium-40  
**Type of project:** Doctoral thesis  
**Entity:** Universitat de València  
**Student:** G. Illuminati  
**Date of reading:** 2020
- 4** **Project title:** Study of the astrophysics potential of the KM3NeT deep sea neutrino observatory at low energy  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Antoine Kouchner  
**Entity:** Universidad de Valencia and APC (Paris)  
**Student:** M. Colomer  
**Date of reading:** 2020
- 5** **Project title:** Electrónica de Adquisición de KM3NeT e Instrumentación de Calibración Temporal para Telescopios de Neutrinos Submarinos  
**Entity:** Universitat de València  
**Student:** Diego Real Máñez



**Date of reading:** 2020

- 6** **Project title:** Search for point-like sources in neutrino telescopes and time calibration using muon tracks in the ANTARES neutrino telescope  
**Type of project:** Doctoral thesis  
**Entity:** Universitat de València **Type of entity:** University  
**Student:** J. Barrios  
**Date of reading:** 19/06/2018
- 7** **Project title:** Search for Dark Matter in the Sun and the Galactic Center with the ANTARES Neutrino Telescope  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Juan José Hernández Rey  
**Entity:** Universitat de València **Type of entity:** University  
**Student:** Christoph Toennis  
**Date of reading:** 31/03/2017
- 8** **Project title:** Detector time calibration and search for point sources of cosmic neutrinos in ANTARES  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Juan Zúñiga Román  
**Entity:** Universitat de València **Type of entity:** University  
**Student:** Juan Pablo Gómez González  
**Date of reading:** 04/12/2013
- 9** **Project title:** Time calibration and point-source analysis with the ANTARES neutrino telescope  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Juan Zúñiga Román  
**Entity:** Universitat de València **Type of entity:** University  
**Student:** Francisco Salesa Greus  
**Obtained qualification:** Sobresaliente cum Laudem  
**Date of reading:** 29/11/2010  
**European doctorate:** Yes  
**Quality recognition:** Yes

## Other activities/achievements not included above

- 1** **Description of the activity:** Archipiélago (ERASMUS+)  
**City of activity:** Lille, Athenes, Valencia, La Seyne Sur Mer, Samsun,  
**Organising entity:** European Commission  
**End date:** 31/12/2020
- 2** **Description of the activity:** Investigador Responsable de JAE-Intro de Juan Palacios González  
**Organising entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**End date:** 2020
- 3** **Description of the activity:** Tutor de Prácticas Externas de Ignacio García en I3M  
**Organising entity:** ADEIT - Universitat de València  
**End date:** 2019



- 4** **Description of the activity:** Tutor de Prácticas Externas de Pedro Esquerdo en I3M  
**Organising entity:** ADEIT - Universitat de València  
**End date:** 2019
- 5** **Description of the activity:** Tutor de Prácticas Externas de Álvaro Ruiz en I3M  
**Organising entity:** ADEIT - Universitat de València  
**End date:** 2019
- 6** **Description of the activity:** Tutor de la Beca de Iniciación a la Investigación de Sergio Alves Garre  
**Organising entity:** Universitat de València                      **Type of entity:** University  
**End date:** 2019
- 7** **Description of the activity:** Tutor del Trabajo de Fin de Grado de Santiago Mira Prats  
**Organising entity:** Universitat de València                      **Type of entity:** University  
**End date:** 2019
- 8** **Description of the activity:** Tutor del Trabajo de Fin de Máster de Cristina Lagunas  
**Organising entity:** Universitat de València                      **Type of entity:** University  
**End date:** 2019
- 9** **Description of the activity:** Tutor de Prácticas Externas de Javier Roger Juan en I3M  
**Organising entity:** ADEIT - Universitat de València  
**End date:** 2018
- 10** **Description of the activity:** Tutor del Trabajo de Fin de Grado de Jonatan Naverrete Martí  
**Organising entity:** Universitat de València  
**End date:** 2018
- 11** **Description of the activity:** Tutor del Trabajo de Fin de Grado de María Ruiz Ortega  
**Organising entity:** Universitat de València  
**End date:** 2018
- 12** **Description of the activity:** Tutor del Trabajo de Fin de Grado de Judith Pérez Romero  
**Organising entity:** Universitat de València                      **Type of entity:** University  
**End date:** 2016
- 13** **Description of the activity:** Tutor del Trabajo de Fin de Grado de Víctor Boscá Navarro  
**Organising entity:** Universitat de València                      **Type of entity:** University  
**End date:** 2016
- 14** **Description of the activity:** Tutor del Trabajo de Fin de Grado de Bernat Bayón i Barrachina  
**Organising entity:** Universitat de València                      **Type of entity:** University  
**End date:** 2016
- 15** **Description of the activity:** Tutor del Trabajo de Fin de Grado de Faye Lovelock  
**Organising entity:** Universitat de València                      **Type of entity:** University  
**End date:** 2016



- 16** **Description of the activity:** Tutor del Trabajo de Fin de Máster de Tamara de Ara García  
**Organising entity:** Universitat de València **Type of entity:** University  
**End date:** 2016
- 17** **Description of the activity:** Investigador Responsable de JAE-Intro de Cecilio García Quirós  
**Organising entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**End date:** 31/10/2015
- 18** **Description of the activity:** Acreditación ANECA para Contratado Doctor  
**Organising entity:** Agencia Nacional de Evaluación de la Calidad y Acreditación **Type of entity:** Agencia  
**End date:** 2015
- 19** **Description of the activity:** Tutor del Trabajo de Fin de Grado de Daniel Martínez Cercós  
**Organising entity:** Universitat de València **Type of entity:** University  
**End date:** 2015
- 20** **Description of the activity:** Tutor del Trabajo de Fin de Grado de Fabricio Muso Pearson  
**Organising entity:** Universitat de València **Type of entity:** University  
**End date:** 2015
- 21** **Description of the activity:** Tutor del Trabajo de Fin de Máster de Ibles Olcina Samblás  
**Organising entity:** Universitat de València **Type of entity:** University  
**End date:** 2015
- 22** **Description of the activity:** Investigador Responsable de JAE-Intro de Ibles Olcina Samblás  
**Organising entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**End date:** 31/12/2014
- 23** **Description of the activity:** Tutor del Trabajo de Fin de Grado de Liam Quinn  
**Organising entity:** Universitat de València **Type of entity:** University  
**End date:** 2014
- 24** **Description of the activity:** Tutor del Trabajo de Fin de Máster de Joaquín Ruiz-Rivas Onsés  
**Organising entity:** Universitat de València **Type of entity:** University  
**End date:** 2010



## Scientific and technological experience

### Scientific or technological activities

#### R&D projects funded through competitive calls of public or private entities

- 1** **Name of the project:** Quantum gravity phenomenology in the multi-messenger approach-OC-2018-1-22670  
**Type of project:** Basic research (including archaeological digs, etc)  
**Entity where project took place:** European Commission (COST Action)  
**Name principal investigator (PI, Co-PI....):** José Manuel Carmona  
**Nº of researchers:** 79  
**Start-End date:** 2019 - 2022
- 2** **Name of the project:** Física Fundamental y Astronomía Multimensajero con Telescopios de Neutrinos - PGC2018-096663-B-C41  
**Entity where project took place:** Universitat de València      **Type of entity:** University  
**Name principal investigator (PI, Co-PI....):** J.D. Zornoza Gómez; J.J Hernández Rey  
**Nº of researchers:** 4  
**Start-End date:** 2019 - 2021  
**Total amount:** 744.150 €
- 3** **Name of the project:** KM3Net 2.0 - H2020-InfraDeV-2016-2017 - ref. 739560  
**Entity where project took place:** European Commission - H2020 Program  
**Name principal investigator (PI, Co-PI....):** Maarten de Jong; Uli Katz; Paschal Coyle; Juan de Dios Zornoza Gómez; Paolo Piatelli; Christos Markou  
**Nº of researchers:** 6  
**Funding entity or bodies:** European Commission  
**Name of the programme:** H2020-InfraDev-2016-2017  
**Start-End date:** 2017 - 2019  
**Total amount:** 3.795.000 €      **Sub-project amount:** 251.250 €  
**Applicant's contribution:** Participant (leader of the UV group and coordinator of the Working Package "KM3NeT in the Global Science Context")
- 4** **Name of the project:** Participación del IFIC en ANTARES, KM3NeT y PDG - FPA2015-65150-C3-1-P  
**Entity where project took place:** Universitat de València      **Type of entity:** University  
**Name principal investigator (PI, Co-PI....):** J.D. Zornoza  
**Nº of researchers:** 3  
**Start-End date:** 2016 - 2018  
**Total amount:** 489.445 €      **Sub-project amount:** 301.598 €  
**Applicant's contribution:** Investigador Principal del Proyecto Coordinado (nuestro grupo es el subgrupo coordinador)





- 5** **Name of the project:** Telescopios de neutrinos en el Mediterráneo - PROMETEOII/2014/079  
**Entity where project took place:** Instituto de Física Corpuscular **Type of entity:** Public Research Body  
**Name principal investigator (PI, Co-PI....):** Juan José Hernández Rey  
**Start-End date:** 2014 - 2017  
**Total amount:** 111.875 €
- 6** **Name of the project:** Participation of IFIC in the ANTARES and KM3NeT neutrino telescopes - FPA2012-37528-C02-01  
**Entity where project took place:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**City of entity:** Valencia, Spain  
**Name principal investigator (PI, Co-PI....):** Juan José Hernández Rey  
**Funding entity or bodies:** Ministerio de Economía y Competitividad  
**Start-End date:** 2013 - 2015  
**Total amount:** 237.510 €
- 7** **Name of the project:** MultiDark - Programa Consolider-Ingenio - CSD2009-00064  
**Entity where project took place:** Ministerio de Ciencia e Innovación  
**Name principal investigator (PI, Co-PI....):** Carlos Muñoz López  
**Start-End date:** 2010 - 2014  
**Total amount:** 3.200.000 €
- 8** **Name of the project:** Desarrollo de sistemas modulares de mecanizado in situ dotados de sensórica inteligente para el reconocimiento del entorno - IPT-2011-1918-020000  
**Name principal investigator (PI, Co-PI....):** Juan José Hernández Rey  
**Name of the programme:** INNPACTO  
**Code according to the funding entity:** IPT-2011-1918-020000  
**Start-End date:** 2011 - 2013  
**Total amount:** 169.785 €
- 9** **Name of the project:** Telescopios de neutrinos en el Mediterráneo - PROMETEO/2009/026  
**Name principal investigator (PI, Co-PI....):** Juan José Hernández Rey  
**Funding entity or bodies:** Generalitat Valenciana **Type of entity:** Body, others  
**Start-End date:** 2009 - 2013  
**Total amount:** 222.500 €
- 10** **Name of the project:** Participación del IFIC en los telescopios de neutrinos ANTARES y KM3NeT - FPA2009-13983-C02-01  
**Name principal investigator (PI, Co-PI....):** Juan José Hernández Rey  
**Start-End date:** 2010 - 2012  
**Total amount:** 792.550 €
- 11** **Name of the project:** The IceCube Observatory - NSF-0236449  
**Name principal investigator (PI, Co-PI....):** Francis Halzen  
**Funding entity or bodies:** National Science Foundation  
**Start-End date:** 2002 - 2012



- 12** **Name of the project:** KM3NeT - Preparatory Phase for a Deep Facility in the Mediterranean for Neutrino Astronomy and Associated Sciences - ref. 212525  
**Degree of contribution:** Researcher  
**Funding entity or bodies:**  
Commission of the European Communities  
**Start-End date:** 2008 - 2011  
**Total amount:** 147.000 €
- 13** **Name of the project:** Calibración de ANTARES y búsqueda de fuentes puntuales - AIC10-D-000554  
**Name principal investigator (PI, Co-PI....):** Juan de Dios Zornoza Gómez  
**Funding entity or bodies:**  
Ministerio de Ciencia e Innovación **Type of entity:** Body, others  
**Start-End date:** 2010 - 2010  
**Total amount:** 4.600 €
- 14** **Name of the project:** Telescopio Europeo de Neutrinos ANTARES - FPA2006-04277  
**Name principal investigator (PI, Co-PI....):** Juan José Hernández Rey  
**Funding entity or bodies:**  
Ministerio de Educación y Ciencia  
**Start-End date:** 2007 - 2009  
**Total amount:** 753.297 €
- 15** **Name of the project:** The European Neutrino Telescope ANTARES  
**Entity where project took place:** Instituto de Física **Type of entity:** State agency  
Corpuscular  
**Name principal investigator (PI, Co-PI....):** Juan José Hernández Rey  
**Nº of researchers:** 10  
**Funding entity or bodies:**  
MINISTERIO DE EDUCACION Y CIENCIA  
**City funding entity:** Spain  
**Start-End date:** 2007 - 2009  
**Total amount:** 753.297 €
- 16** **Name of the project:** KM3NeT - Design Study for a Deep Facility in the Mediterranean for Neutrino Astronomy and Associated Sciences - DS011937  
**Name principal investigator (PI, Co-PI....):** Juan José Hernández Rey; Juan Zúñiga Román  
**Funding entity or bodies:**  
Commission of the European Communities  
**Start-End date:** 2006 - 2009  
**Total amount:** 220.481 €
- 17** **Name of the project:** Estudio de LEDs pulsados para KM3NeT y búsqueda de fuentes puntuales con ANTARES y KM3NeT  
**Name principal investigator (PI, Co-PI....):** Juan de Dios Zornoza Gómez  
**Funding entity or bodies:**  
Generalitat Valenciana **Type of entity:** Body, others  
**Start-End date:** 2008 - 2008



**Total amount:** 18.790 €

- 18 Name of the project:** Participación en el Telescopio de Neutrinos Km3NeT - Infraestructuras y viabilidad - CAC-2007-12  
**Entity where project took place:** MINISTERIO DE EDUCACION Y CIENCIA  
**Name principal investigator (PI, Co-PI....):** Juan José Hernández Rey  
**Funding entity or bodies:** MINISTERIO DE EDUCACION Y CIENCIA  
**City funding entity:** Spain  
**Start-End date:** 2008 - 2008  
**Total amount:** 55.000 €
- 19 Name of the project:** Participación en el telescopio de neutrinos KM3NeT - Infraestructuras Científico-tecnológicas - ICTS-2008-02  
**Entity where project took place:** Ministerio de Ciencia e Innovación  
**Name principal investigator (PI, Co-PI....):** Juan José Hernández Rey  
**Start-End date:** 2008 - 2008  
**Total amount:** 42.000 €
- 20 Name of the project:** Data Analysis in AMANDA and MonteCarlo simulations in IceCube - MOIF-CT-2005/7921  
**Name principal investigator (PI, Co-PI....):** Juan de Dios Zornoza Gómez; Juan José Hernández Rey  
**Funding entity or bodies:** Commission of European Communities  
**Start-End date:** 2005 - 2008  
**Total amount:** 255.187 €
- 21 Name of the project:** Telescopio de neutrinos ANTARES - FPA2003-00531  
**Name principal investigator (PI, Co-PI....):** Juan José Hernández Rey  
**Funding entity or bodies:** Ministerio de Ciencia y Tecnología  
**Start-End date:** 2004 - 2006  
**Total amount:** 1.011.900 €
- 22 Name of the project:** The ANTARES Neutrino Telescope  
**Entity where project took place:** Instituto de Física **Type of entity:** Public Research Body Corpuscular  
**Name principal investigator (PI, Co-PI....):** Juan José Hernández Rey  
**Nº of researchers:** 10  
**Funding entity or bodies:** Ministerio de Ciencia y Tecnología  
**Start-End date:** 2004 - 2006  
**Total amount:** 1.011.900 €
- 23 Name of the project:** Proyecto ANTARES - FPA2000-1788  
**Name principal investigator (PI, Co-PI....):** Juan José Hernández Rey  
**Funding entity or bodies:** Ministerio de Ciencia y Tecnología  
**Start-End date:** 2001 - 2003



Total amount: 514.947 €

## Scientific and technological activities

### Scientific production

#### Publications, scientific and technical documents

- 1 AMON Collaboration; ANTARES Collaboration. A Search for Cosmic Neutrino and Gamma-Ray Emitting Transients in 7.3 Years of ANTARES and Fermi LAT Data. arXiv:1904.06420. 2019.  
**Type of production:** Scientific paper
- 2 ANTARES Collaboration. ANTARES neutrino search for time and space correlations with IceCube high-energy neutrino events. arXiv:1902.09462. 2019.  
**Type of production:** Scientific paper **Format:** Journal
- 3 N. Iovine; J.A. Aguilar; S. Baur; S.R. Gozzini; J.D. Zornoza. Combined Search for Neutrinos from Dark Matter Annihilation in the Galactic Centre using ANTARES and IceCube. PoS. ICRC2019 - 522, 2019.  
**Type of production:** Scientific paper **Format:** Journal
- 4 S. Navas; D. López-Coto; J.D. Zornoza. Dark Matter Searches from the Sun with the KM3NeT-ORCA detector. PoS. ICRC2019 - 536, 2019.  
**Type of production:** Scientific paper **Format:** Book
- 5 KM3NeT Collaboration. Dependence of atmospheric muon rate on seawater depth measured with the first KM3NeT detection units. arXiv:1906.02704. 2019.  
**Type of production:** Scientific paper **Format:** Journal
- 6 KM3NeT Collaboration. KM3NeT front-end and readout electronics system: hardware, firmware and software. arXiv:1907.06453. 2019.  
**Type of production:** Scientific paper
- 7 Zornoza J.D. Latest results of the ANTARES neutrino telescope. EPJ Web of Conferences. 209, 2019.  
**Type of production:** Scientific paper **Format:** Journal
- 8 ANTARES Collaboration. Letter of Interest for a Neutrino Beam from Protvino to KM3NeT/ORCA. Eur.Phys.J.C79 - 9, pp. 758. 2019.  
**Type of production:** Scientific paper **Format:** Journal
- 9 ANTARES Collaboration. Measuring the atmospheric neutrino oscillation parameters and constraining the 3+1 neutrino model with ten years of ANTARES data. JHEP. 1906 - 113, 2019.  
**Type of production:** Scientific paper **Format:** Journal
- 10 ANTARES Collaboration; IceCube Collaboration; LIGO Collaboration; Virgo Collaboration. Search for Multi-messenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during its first Observing Run, ANTARES and IceCube. Astrophys.J.870 - 2, 2019.  
**Type of production:** Scientific paper **Format:** Journal

- 11** ANTARES Collaboration. Search for high-energy neutrinos in coincidence with Fast Radio Bursts with the ANTARES neutrino telescope. Mon.Not.Roy.Astron.Soc.482 - 1, pp. 184 - 193. 2019.  
**Type of production:** Scientific paper **Format:** Journal
- 12** S.R. Gozzini; J.D. Zornoza. Searches for dark matter with the ANTARES and KM3NeT neutrino telescopes. PoS. ICRC2019 - 552, 2019.  
**Type of production:** Scientific paper **Format:** Journal
- 13** R. Gozzini; C. Lagunas; F. Sala; J.D. Zornoza. Sensitivity of the ANTARES neutrino telescope for secluded dark matter searches. PoS. ICRC2019 - 519, 2019.  
**Type of production:** Scientific paper **Format:** Journal
- 14** KM3NeT Collaboration. Sensitivity of the KM3NeT/ARCA neutrino telescope to point-like neutrino sources. Astropart.Phys.111, pp. 100 - 110. 2019.  
**Type of production:** Scientific paper **Format:** Journal
- 15** N.R. Chowdhury; T. Thakore; J.A.B. Coelho; J.D. Zornoza; S. Navas. Sensitivity to Non-Standard Interactions (NSI) with KM3NeT-ORCA. PoS. ICRC2019 - 931, 2019.  
**Type of production:** Scientific paper **Format:** Journal
- 16** ANTARES Collaboration. All-flavor Search for a Diffuse Flux of Cosmic Neutrinos with Nine Years of ANTARES Data. ApJL. 853 - L7, 2018.  
**Type of production:** Scientific paper
- 17** KM3NeT Collaboration. Characterisation of the Hamamatsu photomultipliers for the KM3NeT Neutrino Telescope. JINST. 13 - 05, P05035, 2018.  
**Type of production:** Scientific paper **Format:** Journal
- 18** ANTARES Collaboration; IceCube Collaboration. Joint Constraints on Galactic Diffuse Neutrino Emission from the ANTARES and IceCube Neutrino Telescopes. Astrophys.J.868 - no.2, L20, 2018.  
**Type of production:** Scientific paper **Format:** Journal
- 19** ANTARES Collaboration. Long-term monitoring of the ANTARES optical module efficiencies using 40K decays in sea water. Eur.Phys.J. C. 78 - 8, 669, 2018.  
**Type of production:** Scientific paper **Format:** Journal
- 20** ANTARES Collaboration. The Search for Neutrinos from TXS 0506+056 with the ANTARES Telescope. Astrophys.J.863 - 2, L30, 2018.  
**Type of production:** Scientific paper **Format:** Journal
- 21** ANTARES Collaboration. The cosmic ray shadow of the Moon observed with the ANTARES neutrino telescope. Eur.Phys.J. C. 78 - no.12, 1006, 2018.  
**Type of production:** Scientific paper **Format:** Journal
- 22** ANTARES Collaboration. An Algorithm for the Reconstruction of Neutrino-induced Showers in the ANTARES Neutrino Telescope. ApJ. 154 - 275, 2017.  
**Type of production:** Scientific paper
- 23** E. Petroff et al. A polarized fast radio burst at low Galactic latitude. MNRAS. 469 - 4, 2017.  
**Type of production:** Scientific paper



- 24** ANTARES Collaboration. All-sky Search for High-Energy Neutrinos from Gravitational Wave Event GW170104 with the ANTARES Neutrino Telescope. Eur.Phys.J. C. 77 - no.12, 911, 2017.  
**Type of production:** Scientific paper **Format:** Journal
- 25** ANTARES Collaboration. An algorithm for the reconstruction of high-energy neutrino-induced particle showers and its application to the ANTARES neutrino telescope. European Physical Journal C. 77 - 6, 2017.  
**Type of production:** Scientific paper **Format:** Journal
- 26** X. Durrieu de Madron; ANTARES Collaboration. Deep sediment resuspension and thick nepheloid layer generation by open-ocean convection. Journal of Geophysical Research. Oceans - DOI 10.1002/2016JC01, 2017.  
**Type of production:** Scientific paper
- 27** ANTARES Collaboration. First all-flavor neutrino pointlike source search with the ANTARES neutrino telescope. Phys. Rev. D. 96 - 082, 2017.  
**Type of production:** Scientific paper
- 28** KM3NeT Collaboration. Intrinsic limits on resolutions in muon- and electron-neutrino charged-current events in the KM3NeT/ORCA detector. JHEP. 1705, 2017.  
**Type of production:** Scientific paper
- 29** ANTARES Collaboration; LIGO Collaboration et al. Multi-messenger Observations of a Binary Neutron Star Merger. ApJL. 848 - L12, 2017.  
**Type of production:** Scientific paper
- 30** ANTARES Collaboration. New constraints on all flavor Galactic diffuse neutrino emission with the ANTARES telescope. Phys. Rev. D. 96 - 062, 2017.  
**Type of production:** Scientific paper
- 31** Results from the search for dark matter in the Milky Way with 9 years of data of the ANTARES neutrino telescope. Phys.Lett.B - 769, 2017.  
**Type of production:** Scientific paper
- 32** J.D. Zornoza; C. Toennis. Results on dark matter searches with the ANTARES neutrino telescope. J.Phys.Conf.Ser.888 - no.1, 01, IOP, 2017.  
**Type of production:** Scientific paper **Format:** Journal
- 33** ANTARES Collaboration. Search for Dark Matter Annihilation in the Earth using the ANTARES Neutrino Telescope. Phys.Dark Univ.16, 2017.  
**Type of production:** Scientific paper
- 34** ANTARES Collaboration. Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. ApJL. 850 - L35, 2017.  
**Type of production:** Scientific paper
- 35** ANTARES Collaboration et al. Search for High-energy Neutrinos from Gravitational Wave Event GW151226 and Candidate LVT151012 with ANTARES and IceCube. Phys. Rev. D. 96 - 022005, 2017.  
**Type of production:** Scientific paper
- 36** Search for high-energy neutrinos from bright GRBs with ANTARES. Mon.Not.Roy.Astron.Soc.469, 2017.  
**Type of production:** Scientific paper





- 50** ANTARES Collaboration. Murchison Widefield Array Limits on Radio Emission from ANTARES Neutrino Events. *Astrophys.J.* 820. 820 - 2, L24, 2016.  
**Type of production:** Scientific paper **Format:** Journal
- 51** ANTARES Collaboration. Optical and X-ray early follow-up of ANTARES neutrino alerts. *JCAP.* 16 - 2, 2016.  
**Type of production:** Scientific paper **Format:** Journal
- 52** ANTARES Collaboration. Time calibration with atmospheric muon tracks in the ANTARES neutrino telescope. *Astroparticle Physics.* 78, 2016.  
**Type of production:** Scientific paper **Format:** Journal
- 53** ANTARES Collaboration. ANTARES Constrains a Blazar Origin of Two IceCube PeV Neutrino Events. *Astron.Astrophys.* 576 - L8, 2015.  
**Type of production:** Scientific paper **Format:** Journal
- 54** ANTARES Collaboration. Search for muon neutrino emission from GeV and TeV gamma-ray flaring blazars using 5 years of the ANTARES Telescope. *JCAP.* 12 - 14, 2015.  
**Type of production:** Scientific paper **Format:** Journal
- 55** ANTARES Collaboration. Search of Dark Matter Annihilation in the Galactic Centre using the ANTARES Neutrino Telescope. *JCAP.* 10 - 68, 2015.  
**Type of production:** Scientific paper **Format:** Journal
- 56** KM3NeT Collaboration. The prototype detection unit of the KM3NeT detector. *JCAP.* 2015.  
**Type of production:** Scientific paper **Format:** Journal
- 57** Silvia Adrián Martínez; et al. A Search for Time Dependent Neutrino Emission from Microquasars with the ANTARES Telescope. *Journal of High Energy Astrophysics.* 2014.  
**Type of production:** Scientific paper **Format:** Journal
- 58** A search for neutrino emission from the Fermi Bubbles with the ANTARES telescope. *European Physical Journal C.* 74 - 2, 2014.  
**Type of production:** Scientific paper **Format:** Journal
- 59** Constraining the neutrino emission of gravitationally lensed Flat-Spectrum Radio Quasars with ANTARES data. *JCAP.* 1411, 11, 017, 2014.  
**Type of production:** Scientific paper **Format:** Journal
- 60** Juan de Dios Zornoza Gómez. Overview of ANTARES results on Dark Matter Searches. *Proceedings of 2014 Moriond-Cosmology conference*, ISBN 978-2-9546400-5-1. 2014.  
**Type of production:** Scientific paper **Format:** Journal
- 61** J.D. Zornoza. Results and prospects of dark matter searches with ANTARES. *Nucl.Instrum.Meth.A* - 742, pp. 173 - 176. 2014.  
**Type of production:** Scientific paper
- 62** J.D. Zornoza. Results and prospects of deep under-ground, under-water and under-ice experiments. *Nucl.Instrum.Meth.A* - 742, pp. 130 - 138. 2014.  
**Type of production:** Scientific paper **Format:** Journal



- 63** Juan de Dios Zornoza Gómez. Search for neutrino point sources with ANTARES 2007-2012 data. Proc. of VLVT2013 - AIP Conf.Proc.1630, pp. 74 - 77. 2014.  
**Type of production:** Scientific paper **Format:** Journal
- 64** Silvia Adrián Martínez; et al. Searches for Point-like and extended neutrino sources close to the Galactic Centre using the ANTARES neutrino Telescope. Astrophys.J.786 - L5, 2014.  
**Type of production:** Scientific paper **Format:** Journal
- 65** Silvia Adrián Martínez; et al. Searches for clustering in the time integrated skymap of the ANTARES neutrino telescope. JCAP. 1405 - 001, 2014.  
**Type of production:** Scientific paper **Format:** Journal
- 66** S. Adrian-Martinez; others. A First Search for coincident Gravitational Waves and High Energy Neutrinos using LIGO, Virgo and ANTARES data from 2007. JCAP. 6, 2013.  
**Type of production:** Scientific paper **Format:** Journal
- 67** ANTARES Results. PoS. 54, 2013.  
**Type of production:** Scientific paper **Format:** Journal
- 68** C. Tamburini; others. Deep-Sea Bioluminescence Blooms after Dense Water Formation at the Ocean Surface. PLOS ONE. 8 - e67523, 2013.  
**Type of production:** Scientific paper **Format:** Journal
- 69** S. Adrián Martínez; others. Detection Potential of the KM3NeT Detector for High-Energy Neutrinos from the Fermi Bubbles. Astropart.Phys.42, pp. 7 - 14. 2013.  
**Type of production:** Scientific paper **Format:** Journal
- 70** S. Adrian-Martinez; others. Expansion cone for the 3-inch PMTs of the KM3NeT optical modules. JINST. 8 - T03006, 2013.  
**Type of production:** Scientific paper **Format:** Journal
- 71** S. Adrián-Martínez; ANTARES Collaboration. First Results on Dark Matter Annihilation in the Sun using the ANTARES Neutrino Telescope. JCAP. 11 - 032, 2013.  
**Type of production:** Scientific paper **Format:** Journal
- 72** S. Adrian-Martinez; others. First search for neutrinos in correlation with gamma-ray bursts with the ANTARES neutrino telescope. JCAP. 1303, pp. 6. 2013.  
**Type of production:** Scientific paper **Format:** Journal
- 73** S. Adrián-Martínez; ANTARES Collaboration. Measurement of the atmospheric  $\nu_\mu$  energy spectrum from 100 GeV to 200 TeV with the ANTARES telescope. Eur. Phys. J. C.73 - 2606, 2013.  
**Type of production:** Scientific paper **Format:** Journal
- 74** J.D. Zornoza. Search for Dark Matter in the Sun with the ANTARES Neutrino Telescope in the CMSSM and mUED frameworks. Nucl.Instr.Meth.A. 725, pp. 76 - 79. 2013.  
**Type of production:** Scientific paper **Format:** Journal
- 75** S. Adrián Martínez; others. Search for a Correlation between ANTARES Neutrinos and Pierre Auger Observatory UHECRs Arrival Directions. ApJ. 774, pp. 19. 2013.  
**Type of production:** Scientific paper **Format:** Journal



- 76** S. Adrián-Martínez; ANTARES Collaboration. Search for muon neutrinos from gamma-ray bursts with the ANTARES neutrino telescope using 2008 to 2011 data. A&A. 559 - A9, 2013.  
**Type of production:** Scientific paper **Format:** Journal
- 77** J.A. Aguilar; others. A method for detection of muon induced electromagnetic showers with the ANTARES detector. Nucl.Instrum.Meth.A675, pp. 56 - 62. 2012.  
**Type of production:** Scientific paper **Format:** Journal
- 78** J.D. Zornoza. Dark matter search with the ANTARES neutrino telescope. Nucl.Instr.Meth.A. 692, pp. 123. 2012.  
**Type of production:** Scientific paper **Format:** Journal
- 79** Juan de Dios Zornoza Gómez. Dark matter searches with the ANTARES neutrino telescope: constraints to CMSSM and mUED models. PoS. ICHEP2012 - 448, 2012.  
**Type of production:** Scientific paper **Format:** Journal
- 80** S. Adrian-Martinez; others. Measurement of Atmospheric Neutrino Oscillations with the ANTARES Neutrino Telescope. Phys.Lett.B714, pp. 224 - 230. 2012.  
**Type of production:** Scientific paper **Format:** Journal
- 81** Adrian-Martinez S.; others. Measurement of the Group Velocity of Light in Sea Water at the ANTARES Site. Astropart.Phys.35, pp. 552 - 557. 2012.  
**Type of production:** Scientific paper **Format:** Journal
- 82** Juan de Dios Zornoza Gómez. Recent results of the ANTARES neutrino telescope. PoS. ICHEP2012 - 383, 2012.  
**Type of production:** Scientific paper **Format:** Journal
- 83** S. Adrian-Martinez; others. Search for Cosmic Neutrino Point Sources with Four Year Data of the ANTARES Telescope. Ap.J.730, pp. 53 - 53. 2012.  
**Type of production:** Scientific paper **Format:** Journal
- 84** Adrian-Martinez S.; others. Search for Neutrino Emission from Gamma-Ray Flaring Blazars with the ANTARES Telescope. Astropart. Phys.36 - 1, pp. 204 - 210. 2012.  
**Type of production:** Scientific paper **Format:** Journal
- 85** S. Adrian-Martinez; others. Search for Relativistic Magnetic Monopoles with the ANTARES Neutrino Telescope. Astropart.Phys.35, pp. 634 - 640. 2012.  
**Type of production:** Scientific paper **Format:** Journal
- 86** M. Ageron; others. The ANTARES Telescope Neutrino Alert System. Astropart.Phys.35, pp. 530 - 536. 2012.  
**Type of production:** Scientific paper **Format:** Journal
- 87** J.D. Zornoza; J. Zuniga. The ANTARES neutrino telescope. Proc. of X Scientific Meeting of the Spanish Astronomical Society. 2012.  
**Type of production:** Scientific paper **Format:** Journal
- 88** S. Adrian-Martinez; M. Ageron; J.A. Aguilar; I. Al Samarai; A. Albert; others. The Positioning System of the ANTARES Neutrino Telescope. JINST. 7, pp. T08002 - T08002. 2012.  
**Type of production:** Scientific paper **Format:** Journal



- 89** J.A. Aguilar; others. A fast algorithm for muon track reconstruction and its application to the ANTARES neutrino telescope. *Astropart.Phys.*34, pp. 652 - 662. 2011.  
**Type of production:** Scientific paper **Format:** Journal
- 90** J.A. Aguilar; others. AMADEUS - The Acoustic Neutrino Detection Test System of the ANTARES Deep-Sea Neutrino Telescope. *Nucl.Instrum.Meth.A*626-627, pp. 128 - 143. 2011.  
**Type of production:** Scientific paper **Format:** Journal
- 91** M. Ageron; others. ANTARES: the first undersea neutrino telescope. *Nucl.Instrum.Meth.A*656, pp. 11 - 38. 2011.  
**Type of production:** Scientific paper **Format:** Journal
- 92** H. van Haren; others. Acoustic and optical variations during rapid downward motion episodes in the deep north-western Mediterranean Sea. *Deep Sea Res.*58, pp. 875 - 884. 2011.  
**Type of production:** Scientific paper **Format:** Journal
- 93** S. Adrian Martinez; others. Contributions to the 32nd International Cosmic Ray Conference (ICRC 2011) by the ANTARES collaboration. 2011.  
**Type of production:** Scientific paper  
**Degree of contribution:** Editor or co-editor
- 94** Umberto Emanuele; Diego Real; Fernando Urbano; Juan de Dios Zornoza; Juan Zúñiga. Development of a New Laser Beacon for Time Calibration in the ANTARES Neutrino Telescope. *Proc. of 2011 8th IEEE International Conference on Mobile Ad-Hoc and Sensor Systems*. 2011. ISSN 2155-6806, ISBN 978-1-4577-1345-3  
**Type of production:** Scientific paper **Format:** Journal
- 95** S. Adrian-Martinez; others. First Search for Point Sources of High Energy Cosmic Neutrinos with the ANTARES Neutrino Telescope. *Ap.J.Lett.*743 - 1, 2011.  
**Type of production:** Scientific paper **Format:** Journal
- 96** J.A. Aguilar; others. Search for a diffuse flux of high-energy  $\nu_{\mu}$  with the ANTARES neutrino telescope. *Phys.Lett.B*696, pp. 16 - 22. 2011.  
**Type of production:** Scientific paper **Format:** Journal
- 97** J.A. Aguilar; others. Time Calibration of the ANTARES Neutrino Telescope. *Astropart.Phys.*34, pp. 539 - 549. 2011.  
**Type of production:** Scientific paper **Format:** Journal
- 98** J.D. Zornoza. First results of the ANTARES neutrino telescope. *J.Phys.Conf.Ser.*203, pp. 012122 - 012122. 2010.  
**Type of production:** Scientific paper **Format:** Journal
- 99** J.A. Aguilar; others. Measurement of the atmospheric muon flux with a 4 GeV threshold in the ANTARES neutrino telescope. *Astropart.Phys.*33, pp. 86 - 90. 2010.  
**Type of production:** Scientific paper **Format:** Journal
- 100** J.A. Aguilar; others. Performance of the front-end electronics of the ANTARES neutrino telescope. *Nucl.Instrum.Meth.A*622, pp. 59 - 73. 2010.  
**Type of production:** Scientific paper **Format:** Journal
- 101** J.A. Aguilar; others. Zenith distribution and flux of atmospheric muons measured with the 5-line ANTARES detector. *Astropart.Phys.*34, pp. 179 - 184. 2010.  
**Type of production:** Scientific paper **Format:** Journal



- 102** M. Ageron; others. Performance of the first ANTARES detector line. *Astropart.Phys.*31, pp. 277 - 283. 2009.  
**Type of production:** Scientific paper **Format:** Journal
- 103** Juan de Dios Zornoza Gómez. Point-like searches with ANTARES. *Nucl.Inst.Meth.A.* 588, pp. 135 - 137. 2008.  
**Type of production:** Scientific paper **Format:** Journal
- 104** M. Ackermann; others. Search for Ultra High-Energy Neutrinos with AMANDA-II. *Astrophys.J.*675, pp. 1014 - 1024. 2008.  
**Type of production:** Scientific paper **Format:** Journal
- 105** A. Achterberg; others. The Search for Muon Neutrinos from Northern Hemisphere Gamma-Ray Bursts with AMANDA. *Astrophys.J.*674, pp. 357 - 370. 2008.  
**Type of production:** Scientific paper **Format:** Journal
- 106** J.D. Zornoza. Dark matter search with the ANTARES neutrino telescope. *Nucl.Phys.Proc.Suppl.*173, pp. 79 - 82. 2007.  
**Type of production:** Scientific paper **Format:** Journal
- 107** A. Achterberg; others. Detection of Atmospheric Muon Neutrinos with the IceCube 9-String Detector. *Phys.Rev.D*76, pp. 027101 - 027101. 2007.  
**Type of production:** Scientific paper **Format:** Journal
- 108** A. Achterberg; others. Five years of searches for point sources of astrophysical neutrinos with the AMANDA-II neutrino telescope. *Phys.Rev.D*75, pp. 102001 - 102001. 2007.  
**Type of production:** Scientific paper **Format:** Journal
- 109** J.D. Zornoza. High-energy gammas from the giant flare of SGR 1806-20 of December 2004 in AMANDA. *J.Phys.Conf.Ser.*60, pp. 324 - 326. 2007.  
**Type of production:** Scientific paper **Format:** Journal
- 110** A. Achterberg; others. Multi-year search for a diffuse flux of muon neutrinos with AMANDA-II. *Phys.Rev.D*76, pp. 042008 - 042008. 2007.  
**Type of production:** Scientific paper **Format:** Journal
- 111** J.D. Zornoza; D. Chirkin. Muon energy reconstruction and atmospheric neutrino spectrum unfolding with the IceCube detector. *Proc. of ICRC07.* 2007.  
**Type of production:** Scientific paper **Format:** Journal
- 112** J.D. Zornoza. Results from the AMANDA neutrino telescope. *Nucl.Phys.Proc.Suppl.*165, pp. 196 - 199. 2007.  
**Type of production:** Scientific paper **Format:** Journal
- 113** A. Achterberg; others. Search for neutrino-induced cascades from gamma-ray bursts with AMANDA. *Astrophys.J.*664, pp. 397 - 410. 2007.  
**Type of production:** Scientific paper **Format:** Journal
- 114** M. Ageron; others. Studies of a full-scale mechanical prototype line for the ANTARES neutrino telescope and tests of a prototype instrument for deep-sea acoustic measurements. *Nucl.Instrum.Meth.A*581, pp. 695 - 708. 2007.  
**Type of production:** Scientific paper **Format:** Journal



- 115** M. Ageron; others. The ANTARES Optical Beacon System. Nucl.Instrum.Meth.A578, pp. 498 - 509. 2007.  
**Type of production:** Scientific paper **Format:** Journal
- 116** J.A. Aguilar; others. The data acquisition system for the ANTARES Neutrino Telescope. Nucl.Instrum.Meth.A570, pp. 107 - 116. 2007.  
**Type of production:** Scientific paper **Format:** Journal
- 117** A. Achterberg; others. First Year Performance of The IceCube Neutrino Telescope. Astropart.Phys.26, pp. 155 - 173. 2006.  
**Type of production:** Scientific paper **Format:** Journal
- 118** J.A. Aguilar; others. First results of the Instrumentation Line for the deep-sea ANTARES neutrino telescope. Astropart.Phys.26, pp. 314 - 324. 2006.  
**Type of production:** Scientific paper **Format:** Journal
- 119** A. Achterberg; others. Limits on the high-energy gamma and neutrino fluxes from the SGR 1806-20 giant flare of December 27th, 2004 with the AMANDA-II detector. Phys.Rev.Lett.97, pp. 221101 - 221101. 2006.  
**Type of production:** Scientific paper **Format:** Journal
- 120** A. Achterberg; others. Limits on the muon flux from neutralino annihilations at the center of the Earth with AMANDA. Astropart.Phys.26, pp. 129 - 139. 2006.  
**Type of production:** Scientific paper **Format:** Journal
- 121** A. Achterberg; others. On the selection of AGN neutrino source candidates for a source stacking analysis with neutrino telescopes. Astropart.Phys.26, pp. 282 - 300. 2006.  
**Type of production:** Scientific paper **Format:** Journal
- 122** J.A. Aguilar; others. Study of large hemispherical photomultiplier tubes for the antares neutrino telescope. Nucl.Instrum.Meth.A555, pp. 132 - 141. 2005.  
**Type of production:** Scientific paper **Format:** Journal
- 123** J.A. Aguilar; others. Transmission of light in deep sea water at the site of the ANTARES Neutrino Telescope. Astropart.Phys.23, pp. 131 - 155. 2005.  
**Type of production:** Scientific paper **Format:** Journal
- 124** J.D. Zornoza. Status report on the ANTARES project. Proc. of Lake Louise Winter Institute for Fundamental Interactions. pp. 339 - 343. A.Astbury et al., 2004. ISBN 981-256-275-3  
**Type of production:** Scientific paper **Format:** Journal
- 125** A. Romeyer; Ronald Bruijn; Juan de Dios Zornoza Gómez. Muon energy reconstruction in ANTARES and its application to the diffuse neutrino flux. Proc. of ICRC03. 2003. ISBN 4-946443-80-0  
**Type of production:** Scientific paper **Format:** Journal
- 126** P. Amram; others. Sedimentation and fouling of optical surfaces at the antares site. Astropart.Phys.19, pp. 253 - 267. 2003.  
**Type of production:** Scientific paper **Format:** Journal
- 127** Juan de Dios Zornoza Gómez. Study of photomultiplier tubes for the ANTARES neutrino telescope. Proc. of ICRC03. Universal Academic Press Inc., 2003. ISBN 4-946443-80-0  
**Type of production:** Scientific paper **Format:** Journal



- 128** P. Amram; others. The ANTARES optical module. Nucl.Instrum.Meth.A484, pp. 369 - 383. 2002.  
**Type of production:** Scientific paper **Format:** Journal
- 129** P. Bagley; KM3NeT Consortium. KM3NeT Technical Design Report for a Deep-Sea Research Infrastructure Incorporating a Very Large Volume Neutrino Telescope. 2010. ISBN 978-9-0648-8033-9  
**Type of production:** Scientific-technical report **Format:** Scientific and technical document or report
- 130** P. Bagley; KM3NeT Consortium. Conceptual Design for a Deep-Sea Research Infrastructure Incorporating a Very Large Volume Neutrino Telescope in the Mediterranean Sea. 2008.  
**Type of production:** Scientific-technical report **Format:** Scientific and technical document or report

### Works submitted to national or international conferences

- 1** **Title of the work:** Searches for dark matter with the ANTARES and KM3NeT neutrino telescopes  
**Name of the conference:** AstroMatera2019  
**Type of participation:** 'Participatory - poster  
**City of event:** Matera, Italy  
**Date of event:** 02/09/2019  
**End date:** 06/09/2019  
**Organising entity:** University of Basilicata  
J.D. Zornoza.
- 2** **Title of the work:** Status of KM3NeT and latest results of ANTARES  
**Name of the conference:** The Quest for New Physics  
**City of event:** Valencia, Spain  
**Date of event:** 14/12/2018  
**Organising entity:** CSIC  
J.D. Zornoza.
- 3** **Title of the work:** Summary of RICAP2018 (Rapporteur talk)  
**Name of the conference:** RICAP2018  
**City of event:** Rome, Italy  
**Date of event:** 07/09/2018  
**Organising entity:** INFN, Tor Vergata, Sapienza  
Juan de Dios Zornoza Gómez.
- 4** **Title of the work:** Latest results of the ANTARES neutrino telescope  
**Name of the conference:** RICAP2018  
**City of event:** Rome, Italy  
**Date of event:** 06/09/2018  
**Organising entity:** INFN, Tor Vergata, Sapienza  
Juan de Dios Zornoza Gómez.
- 5** **Title of the work:** Particle physics with the KM3NeT detector  
**Name of the conference:** SUSY2018  
**City of event:** Barcelona,  
**Date of event:** 23/07/2018  
**Organising entity:** Laboratori de Llum de Sincrotró  
Juan de Dios Zornoza Gómez.



- 6** **Title of the work:** Neutrino Telescopes  
**Name of the conference:** IDPASC  
**City of event:** Valencia, Spain  
**Date of event:** 24/05/2018  
**End date:** 25/05/2018  
**Organising entity:** CSIC-UV  
Juan de Dios Zornoza Gómez.
- 7** **Title of the work:** Recent results from neutrino telescopes + ANTARES/KM3NeT  
**Name of the conference:** CPAN Days  
**City of event:** Santander,  
**Date of event:** 25/10/2017  
**Organising entity:** CPAN  
J.D. Zornoza.
- 8** **Title of the work:** Combined Search for Neutrinos from Dark Matter Annihilation in the Galactic Center using IceCube and ANTARES  
**Name of the conference:** ICRC 2017  
**City of event:** Busan, Republic of Korea  
**Date of event:** 13/07/2017  
J.A. Aguilar; N. Iovine; C. Toennis; J.D. Zornoza.
- 9** **Title of the work:** Dark matter with neutrinos  
**Name of the conference:** 3rd IBS-MultiDark-IPPP workshop: Dark Matter from aeV to ZeV  
**City of event:** Durham, United Kingdom  
**Date of event:** 24/11/2016  
J.D. Zornoza.
- 10** **Title of the work:** Dark matter searches in ANTARES  
**Name of the conference:** Beyond the Standard Model with Neutrino Detectors Workshop  
**City of event:** Suwon, Republic of Korea  
**Date of event:** 29/07/2016  
J.D. Zornoza.
- 11** **Title of the work:** Indirect Searches of Dark Matter  
**Name of the conference:** Recent Discoveries on Particle and Astroparticle Physics  
**City of event:** Suwon, Republic of Korea  
**Date of event:** 27/07/2016  
**Organising entity:** SKKU
- 12** **Title of the work:** Neutrino Telescopes  
**Name of the conference:** Recent Discoveries on Particle and Astroparticle Physics  
**City of event:** Suwon, Republic of Korea  
**Date of event:** 25/07/2016  
**Organising entity:** SKKU  
J.D. Zornoza.
- 13** **Title of the work:** Results on dark matter searches with the ANTARES neutrino telescope  
**Name of the conference:** XXVII International Conference on Neutrino Physics and Astrophysics (Neutrino 2016)



**City of event:** London, United Kingdom

**Date of event:** 07/07/2016

J.D. Zornoza; C. Toennis.

- 14** **Title of the work:** Neutrino astronomy and the multi-messenger connection  
**Name of the conference:** International Meeting on Fundamental Physics (Winter Meeting)  
**City of event:** Madrid, Spain  
**Date of event:** 07/04/2016  
J.D. Zornoza.
- 15** **Title of the work:** Dark matter searches with neutrino telescopes  
**Name of the conference:** 2nd IBS/MultiDark Workshop  
**City of event:** Madrid, Spain  
**Date of event:** 23/11/2015  
J.D. Zornoza.
- 16** **Title of the work:** Indirect Dark Matter Searches with Neutrino Telescopes  
**Name of the conference:** 14th Marcel Grossmann Meeting  
**City of event:** Rome, Italy  
**Date of event:** 16/07/2015  
**End date:** 16/07/2015  
Juan de Dios Zornoza Gómez.
- 17** **Title of the work:** Dark matter: indirect searches  
**Name of the conference:** ISAPP School 2015  
**City of event:** Paris, France  
**Date of event:** 25/06/2015  
**End date:** 25/06/2015  
Juan de Dios Zornoza Gómez.
- 18** **Title of the work:** Report on IceCube, ANTARES and KM3NeT  
**Name of the conference:** International Meeting on Fundamental Physics 2015  
**Date of event:** 19/03/2015  
**City organizing entity:** Benasque, Spain  
Juan de Dios Zornoza Gómez.
- 19** **Title of the work:** IceCube and ANTARES results  
**Name of the conference:** GDR Neutrino meeting  
**City of event:** Paris, France  
**Date of event:** 16/06/2014  
Juan de Dios Zornoza Gómez.
- 20** **Title of the work:** Dawn of a new astronomy: status and prospects of Neutrino Telescopes  
**Name of the conference:** RENATA 2014  
**City of event:** Canfranc, Spain  
**Date of event:** 11/06/2014  
Juan de Dios Zornoza Gómez.
- 21** **Title of the work:** Dark Matter Search in the Galactic Center with ANTARES  
**Name of the conference:** Dark Ghosts 2014  
**City of event:** Valencia, Spain





**Date of event:** 10/04/2014  
Juan de Dios Zornoza Gómez.

**22 Title of the work:** Overview of ANTARES results on dark matter searches

**Name of the conference:** Rencontre de Moriond - Cosmology

**City of event:** La Thuile, Italy

**Date of event:** 24/03/2014

**End date:** 2014

Juan de Dios Zornoza Gómez.

**23 Title of the work:** Dark matter searches with neutrino telescopes

**Name of the conference:** Búsqueda de Materia Oscura - Encuentros de Excelencia VLC/Campus

**City of event:** Gandía, Spain

**Date of event:** 10/12/2013

**Organising entity:** Universidad Politécnica de Valencia

**Type of entity:** University

J.D. Zornoza.

**24 Title of the work:** Search for neutrino point sources with ANTARES 2007-2012 data

**Name of the conference:** VLVNT 2013

**City of event:** Stockholm, Sweden

**Date of event:** 06/08/2013

**End date:** 08/08/2013

Juan de Dios Zornoza Gómez.

**25 Title of the work:** Report on Deep Underground/Under-Water/Under-Ice experiments results and prospects

**Name of the conference:** RICAP 2013

**Type of participation:** Participatory - invited/keynote talk

**City of event:** Rome, Italy

**Date of event:** 22/05/2013

**End date:** 24/05/2013

Juan de Dios Zornoza Gómez.

**26 Title of the work:** Results and prospects of DM searches in ANTARES

**Name of the conference:** RICAP 2013

**City of event:** Rome, Italy

**Date of event:** 22/05/2013

**End date:** 24/05/2013

Juan de Dios Zornoza Gómez.

**27 Title of the work:** DM search in the Sun and the Galactic Center with ANTARES

**Name of the conference:** 8th Multidark Workshop

**City of event:** Granada, Spain

**Date of event:** 17/04/2013

**End date:** 19/04/2013

Juan de Dios Zornoza Gómez; Guillaume Lambard.

**28 Title of the work:** ANTARES results

**Name of the conference:** NeuTel 2013

**City of event:** Venice, Italy

**Date of event:** 11/03/2013



**End date:** 15/03/2013

J.D. Zornoza.

**29 Title of the work:** Neutrino telescopes

**Name of the conference:** IVICFA

**City of event:** Valencia, Spain

**Date of event:** 30/11/2012

**End date:** 30/12/2012

Juan de Dios Zornoza Gómez.

**30 Title of the work:** Point Source Analysis in ANTARES

**Name of the conference:** MANTS12

**City of event:** Bolonia, Italy

**Date of event:** 01/10/2012

**End date:** 07/10/2012

Juan de Dios Zornoza Gomez; Claudio Bogazzi; Aart Heijboer; Juan Pablo Gómez González.

**31 Title of the work:** Neutrino telescopes

**Name of the conference:** 5th International Pontecorvo Neutrino Physics School

**City of event:** Alushta, Ukraine

**Date of event:** 01/09/2012

**End date:** 07/09/2012

Juan de Dios Zornoza Gómez.

**32 Title of the work:** Recent results of the ANTARES neutrino telescope

**Name of the conference:** ICHEP12

**City of event:** Melbourne, Australia

**Date of event:** 15/07/2012

**End date:** 21/07/2012

Juan de Dios Zornoza Gómez.

**33 Title of the work:** The Dark matter searches with the ANTARES neutrino telescope: constraints to CMSSM and mUED models

**Name of the conference:** ICHEP12

**City of event:** Melbourne, Australia

**Date of event:** 15/07/2012

**End date:** 15/07/2012

Juan de Dios Zornoza Gómez.

**34 Title of the work:** The ANTARES neutrino telescope

**Name of the conference:** X Scientific meeting of the Spanish Astronomical Society

**City of event:** Valencia, Spain

**Date of event:** 01/07/2012

**End date:** 01/07/2012

Juan de Dios Zornoza Gómez; Juan Zúñiga Román.

**35 Title of the work:** ANTARES and KM3NeT

**Name of the conference:** RENATA12

**City of event:** Canfranc, Spain

**Date of event:** 01/04/2012

**End date:** 07/04/2012



Juan de Dios Zornoza Gómez.

**36 Title of the work:** Search for dark matter in the Sun with the ANTARES neutrino telescope in the CMSSM and UED frameworks

**Name of the conference:** VLVnT11

**City of event:** Erlangen, Germany

**Date of event:** 01/10/2011

**End date:** 01/10/2011

Juan de Dios Zornoza Gómez.

**37 Title of the work:** Search of dark matter with ANTARES

**Name of the conference:** TeVPA11

**City of event:** Estocolmo, Sweden

**Date of event:** 01/07/2011

**End date:** 01/07/2011

Juan de Dios Zornoza Gómez.

**38 Title of the work:** Dark matter search with the ANTARES neutrino telescope

**Name of the conference:** RICAP11

**City of event:** Roma, Italy

**Date of event:** 01/05/2011

**End date:** 07/05/2011

Juan de Dios Zornoza Gómez.

**39 Title of the work:** Neutrino Telescopes

**Name of the conference:** Winter Meeting on Fundamental Physics

**City of event:** Canfranc, Spain

**Date of event:** 01/02/2011

**End date:** 07/02/2011

Juan de Dios Zornoza Gómez.

**40 Title of the work:** Measurement of water optical properties in ANTARES

**Name of the conference:** MANTS10

**City of event:** París, France

**Date of event:** 01/09/2010

**End date:** 07/09/2010

Juan de Dios Zornoza Gómez.

**41 Title of the work:** Search for Neutrino Point Sources with ANTARES

**Name of the conference:** TeVPA10

**City of event:** París, France

**Date of event:** 01/07/2010

**End date:** 07/07/2010

Juan de Dios Zornoza Gómez.

**42 Title of the work:** Particle Physics with the ANTARES neutrino telescope

**Name of the conference:** PHENO10

**City of event:** Madison, United States of America

**Date of event:** 01/05/2010

**End date:** 07/05/2010

Juan de Dios Zornoza Gómez.



- 43** **Title of the work:** Blinding policy in ANTARES  
**Name of the conference:** MANTS09  
**City of event:** Berlín, Germany  
**Date of event:** 01/09/2009  
**End date:** 07/09/2009  
Juan de Dios Zornoza Gómez.
- 44** **Title of the work:** First results of the ANTARES neutrino telescope  
**Name of the conference:** TAUP09  
**City of event:** Roma, Italy  
**Date of event:** 01/07/2009  
**End date:** 07/07/2009  
Juan de Dios Zornoza Gómez.
- 45** **Title of the work:** Neutrino telescopes in the Mediterranean Sea  
**Name of the conference:** TeVPA09  
**City of event:** Menlo Park - SLAC, United States of America  
**Date of event:** 01/07/2009  
**End date:** 07/07/2009  
Juan de Dios Zornoza Gómez.
- 46** **Title of the work:** Neutrino Telescopes  
**Name of the conference:** RENATA09  
**City of event:** Alcala de Henares, Spain  
**Date of event:** 01/06/2009  
**End date:** 07/06/2009  
Juan de Dios Zornoza Gómez.
- 47** **Title of the work:** ANTARES neutrino telescope: status and first results  
**Name of the conference:** TeVPA08  
**City of event:** Pekín, China  
**Date of event:** 01/09/2008  
**End date:** 07/09/2008  
Juan de Dios Zornoza Gómez.
- 48** **Title of the work:** Status of KM3NeT  
**Name of the conference:** RENATA07  
**City of event:** Valencia, Spain  
**Date of event:** 01/09/2007  
**End date:** 07/07/2007  
Juan de Dios Zornoza Gómez.
- 49** **Title of the work:** Muon energy reconstruction and spectrum unfolding with the IceCube detector  
**Name of the conference:** ICRC07  
**Type of participation:** 'Participatory - poster  
**City of event:** Mérida, Mexico  
**Date of event:** 01/07/2007  
**End date:** 07/07/2007  
Juan de Dios Zornoza Gómez; Dmitry Chirkin.



- 50** **Title of the work:** Point-like source search with ANTARES  
**Name of the conference:** RICAP07  
**City of event:** Roma, Italy  
**Date of event:** 01/06/2007  
**End date:** 07/06/2007  
Juan de Dios Zornoza Gómez.
- 51** **Title of the work:** High-energy neutrino experiments  
**Name of the conference:** International Aspen Workshop on Cosmic Rays  
**City of event:** Aspen, United States of America  
**Date of event:** 01/04/2007  
**End date:** 07/04/2007  
Juan de Dios Zornoza Gómez.
- 52** **Title of the work:** Neutrino telescopes: spectacular engineering tools to observe the highest magnetic fields in the Universe  
**Name of the conference:** Commemorating the 150th Anniversary of the Birth of Nikola Tesla  
**City of event:** Zagreb, Croatia  
**Date of event:** 01/10/2006  
**End date:** 01/10/2006  
Juan de Dios Zornoza Gómez.
- 53** **Title of the work:** High-energy gammas from the giant flare of SGR 1806-20 of December 2004 in AMANDA  
**Name of the conference:** TeVPA06  
**City of event:** Madison, United States of America  
**Date of event:** 01/08/2006  
**End date:** 07/08/2006  
Juan de Dios Zornoza Gómez.
- 54** **Title of the work:** Results of the AMANDA neutrino telescope  
**Name of the conference:** CRIS06  
**City of event:** Catania, Italy  
**Date of event:** 01/06/2006  
**End date:** 07/06/2006  
Juan de Dios Zornoza Gómez.
- 55** **Title of the work:** Dark Matter Search with the ANTARES Neutrino Telescope  
**Name of the conference:** Dark Matter 2006  
**City of event:** Marina de Rey, United States of America  
**Date of event:** 15/01/2006  
**End date:** 21/01/2006  
Juan de Dios Zornoza Gómez.
- 56** **Title of the work:** Neutrino Telescopes in the Mediterranean  
**Name of the conference:** New Views of the Universe  
**City of event:** Chicago, United States of America  
**Date of event:** 01/12/2005  
**End date:** 07/12/2005  
Juan de Dios Zornoza Gómez.



- 57** **Title of the work:** Sensitivity to Neutrino Diffuse Fluxes and Spectrum Reconstruction in ANTARES  
**Name of the conference:** TeVPA05  
**Type of participation:** 'Participatory - poster  
**City of event:** Fermilab, United States of America  
**Date of event:** 01/07/2005  
**End date:** 07/07/2005  
Juan de Dios Zornoza Gómez.
- 58** **Title of the work:** Status report of the ANTARES neutrino telescope  
**Name of the conference:** Lake Louise Winter Institute  
**City of event:** Lake Louise, Canada  
**Date of event:** 01/02/2004  
**End date:** 07/02/2004  
Juan de Dios Zornoza Gómez.
- 59** **Title of the work:** Energy reconstruction in the ANTARES neutrino telescope  
**Name of the conference:** International Workshop on the Ultra High Energy Neutrino Telescopes  
**City of event:** Chiba, Japan  
**Date of event:** 01/08/2003  
**End date:** 01/08/2003  
Juan de Dios Zornoza Gómez.
- 60** **Title of the work:** Muon energy reconstruction in ANTARES and its application to the neutrino diffuse flux  
**Name of the conference:** ICRC03  
**Type of participation:** 'Participatory - poster  
**City of event:** Tsukuba, Japan  
**Date of event:** 01/08/2003  
**End date:** 07/08/2003  
Alain Romeyer; Juan de Dios Zornoza Gómez; Ronald Brujin.
- 61** **Title of the work:** Study of the Photomultiplier Tubes for the ANTARES Neutrino Telescope  
**Name of the conference:** ICRC03  
**Type of participation:** 'Participatory - poster  
**City of event:** Tsukuba, Japan  
**Date of event:** 01/08/2003  
**End date:** 07/08/2003  
Juan de Dios Zornoza Gómez.
- 62** **Title of the work:** Calibración temporal del detector de neutrinos ANTARES  
**Name of the conference:** 29th Reunión de la Real Sociedad Española de Física  
**City of event:** Madrid, Spain  
**Date of event:** 01/07/2003  
**End date:** 07/07/2003  
Juan de Dios Zornoza Gómez.
- 63** **Title of the work:** Reconstrucción de la energía en el detector de neutrinos ANTARES  
**Name of the conference:** 29th Reunión de la Real Sociedad Española de Física  
**City of event:** Madrid, Spain  
**Date of event:** 01/07/2003  
**End date:** 07/07/2003  
Juan de Dios Zornoza Gómez.



- 64** **Title of the work:** Expected performances of the ANTARES neutrino telescope  
**Name of the conference:** 31st International Meeting on Fundamental Physics  
**City of event:** Cangas de Onís, Spain  
**Date of event:** 01/02/2003  
**End date:** 07/02/2003  
Juan de Dios Zornoza Gómez.
- 65** **Title of the work:** The ANTARES neutrino telescope  
**Name of the conference:** XXI Symposium on Relativistic Astrophysics  
**Type of participation:** 'Participatory - poster  
**City of event:** Florencia, Italy  
**Date of event:** 01/12/2002  
**End date:** 07/12/2002
- 66** **Title of the work:** Estudio mediante simulación Monte Carlo de varios sistemas de calibración basados en optical  
**Name of the conference:** 28th Reunión de la Sociedad Española de Física  
**City of event:** Sevilla, Spain  
**Date of event:** 01/09/2001  
**End date:** 07/09/2001  
Juan de Dios Zornoza Gómez.
- 67** **Title of the work:** Recent PMT tests for the ANTARES neutrino telescope  
**Name of the conference:** 3rd Workshop on Photo-sensor Developments for High Energy Physics Experiments  
**City of event:** París, France  
**Date of event:** 01/06/2000  
**End date:** 07/06/2000  
Juan de Dios Zornoza Gómez.

### Other dissemination activities

- 1** **Title of the work:** Neutrinos: los viajeros cósmicos que nos unen con el cielo y el mar  
**Name of the event:** Erasmus+ Activity  
**Type of event:** Conferences given  
**City of event:** Valencia, Spain  
**Date of event:** 05/04/2019  
**Organising entity:** Liceo Francés de Valencia  
J.D. Zornoza.
- 2** **Title of the work:** Neutrino astronomy with ANTARES and KM3NeT  
**Name of the event:** Invited talk  
**Type of event:** Conferences given  
**Date of event:** 17/01/2019  
**Organising entity:** Plataforma Solar de Almería
- 3** **Title of the work:** Cómo ver el Universo invisible  
**Name of the event:** Dark Matter Day 2018  
**Type of event:** Conferences given



**City of event:** Castellón,  
**Date of event:** 31/10/2018  
**Organising entity:** Planetario de Castellón  
J.D. Zornoza.

- 4** **Title of the work:** Entrevista RNE-CV  
**Name of the event:** Día de la Materia Oscura  
**Type of event:** Media interviews  
**City of event:** Valencia, Spain  
**Date of event:** 31/10/2018  
**Organising entity:** Radio Nacional de España  
Available on-line at: <<http://www.rtve.es/m/alicarta/audios/13-horas-comunidad-valenciana/13h-comunidad-valenciana-presupuestos-valencianos-se-incrementan-casi-10-31-10-18/4819254/?media=rne>>.
- 5** **Title of the work:** Telescopios submarinos de neutrinos para la astronomía multimensajero  
**Name of the event:** Outreach article in online journal SINC  
**Type of event:** Outreach article **Geographical area:** National  
**Date of event:** 18/07/2018  
**Organising entity:** Fundación Española para la Ciencia y la Tecnología **Type of entity:** State agency  
Juan de Dios Zornoza Gómez. Available on-line at: <<https://www.agenciasinc.es/Opinion/Telescopios-submarinos-de-neutrinos-para-la-astronomia-multimensajero>>.
- 6** **Title of the work:** Neutrino Telescopes and Multi-messenger astronomy  
**Name of the event:** Jornadas de la Sociedad Española de Física y Matemáticas  
**Type of event:** Conferences given  
**City of event:** Valencia, Spain  
**Date of event:** 12/07/2018  
J.D. Zornoza.
- 7** **Title of the work:** Telescopios de neutrinos  
**Name of the event:** Jornadas Astronómicas del Planetario de Castellón  
**Type of event:** Conferences given  
**City of event:** Castellón,  
**Date of event:** 25/03/2018  
**Organising entity:** Ayuntamiento de Castellón  
J.D. Zornoza.
- 8** **Title of the work:** Día de la Materia Oscura  
**Name of the event:** El Radioscopio  
**Type of event:** Media interviews **Geographical area:** Regional  
**City of event:** Granada,  
**Date of event:** 03/11/2017  
**Organising entity:** Canal Sur Radio  
Available on-line at: <<http://www.canalsur.es/multimedia.html?id=1219668>>.
- 9** **Title of the work:** Descubren una nueva cámara vacía en la Gran Pirámide de Keops  
**Name of the event:** Antena 3 Noticias  
**Type of event:** Media interviews **Geographical area:** National  
**Date of event:** 02/11/2017  
**Organising entity:** Antena 3 TV





J.D. Zornoza. Available on-line at: <[http://www.antena3.com/noticias/mundo/descubren-nueva-camara-vacia-gran-piramide-keops\\_2017110259fb157f0cf2ebaa1651407f.html](http://www.antena3.com/noticias/mundo/descubren-nueva-camara-vacia-gran-piramide-keops_2017110259fb157f0cf2ebaa1651407f.html)>.

- 10 Title of the work:** Cómo ver el Universo Invisible  
**Name of the event:** Dark Matter Day  
**Type of event:** Conferences given  
**City of event:** Granada,  
**Date of event:** 31/10/2017  
**Organising entity:** Universidad de Granada  
J.D. Zornoza.
- 11 Title of the work:** Más allá de la Luz: Física de astropartículas y experimentos en sitios insólitos  
**Type of event:** Conferences given  
**City of event:** Alicante, Spain  
**Date of event:** 07/03/2016  
**Organising entity:** IES Jaime II
- 12 Title of the work:** ANTARES and KM3NeT: the sight of the neutrino sky from the Mediterranean  
**Name of the event:** IIHE Invited Seminars  
**Type of event:** Conferences given  
**City of event:** Brussels, Belgium  
**Date of event:** 05/06/2015  
**Organising entity:** IIHE-VUB  
Juan de Dios Zornoza Gómez.
- 13 Title of the work:** Telescopis de neutrins: una nova forma d'observar l'Univers  
**Name of the event:** Ciclo de Conferencias de la Facultad de Física  
**City of event:** Spain  
**Date of event:** 13/11/2014  
**Organising entity:** Universitat de València **Type of entity:** University  
**City organizing entity:** Valencia,  
Juan de Dios Zornoza Gomez.
- 14 Title of the work:** La búsqueda de lo desconocido  
**Name of the event:** Diario El Mundo  
**Date of event:** 06/04/2014  
1; Juan de Dios Zornoza Gómez; José Valle.
- 15 Title of the work:** El detector ANTARES  
**Name of the event:** Expociencia  
**Type of event:** Fairs and exhibitions  
**City of event:** Valencia, Spain  
**Date of event:** 19/05/2012
- 16 Title of the work:** El lado oscuro del Universo  
**Type of event:** Conferences given  
**City of event:** Denia, Spain  
**Date of event:** 15/03/2011  
**Organising entity:** ASOCIACIÓN RUVID: RED DE UNIVERSIDADES VALENCIANAS PARA EL FOMENTO DE LA I+D+I



- 17** **Title of the work:** Astronomía de neutrinos  
**Name of the event:** Semana Europea de Astopartículas  
**Type of event:** Conferences given  
**City of event:** Gandía, Spain  
**Date of event:** 15/11/2009
- 18** **Title of the work:** El telescopio de neutrinos IceCube  
**Type of event:** Media interviews  
**City of event:** Madison-WI, United States of America  
**Date of event:** 15/06/2006  
**Organising entity:** Revista CNR
- 19** **Title of the work:** Guía en el programa "Wonders of Physics"  
**Type of event:** Fairs and exhibitions  
**City of event:** Madison-WI, United States of America  
**Date of event:** 01/06/2006
- 20** **Title of the work:** Guía de la exhibición "Cuando la energía se convierte en materia"  
**Type of event:** Fairs and exhibitions  
**City of event:** Valencia, Spain  
**Date of event:** 01/06/1999  
**Organising entity:** CERN

## R&D management and participation in scientific committees

### Scientific, technical and/or assessment committees

- 1** **Committee title:** Search Committee for ANTARES Management  
**Affiliation entity:** ANTARES  
**Start-End date:** 01/01/2018 - 31/12/2018
- 2** **Committee title:** Editor of the "Research Report" (Memoria de Investigación) of IFIC  
**Start-End date:** 2017 - 2018
- 3** **Committee title:** KM3NeT Publication Committee  
**Start-End date:** 13/10/2013 - 03/10/2017
- 4** **Committee title:** ANTARES Conference Committee  
**Geographical area:** European Union  
**Start-End date:** 15/11/2008 - 03/10/2017
- 5** **Committee title:** GNN Best PhD Prize  
**Start-End date:** 01/01/2015 - 31/12/2016
- 6** **Committee title:** Chairman del ANTARES Conference Committee  
**Geographical area:** European Union  
**Start-End date:** 01/11/2010 - 30/10/2012



- 7** **Committee title:** ANTARES Publication Committee  
**Geographical area:** European Union  
**Start-End date:** 01/05/2007 - 15/11/2010
- 8** **Committee title:** Committee for Gender Equality and Diversity of KM3NeT  
**Affiliation entity:** KM3NeT  
**Start date:** 06/02/2018
- 9** **Committee title:** Editorial Board of High-Energy and Astroparticle Physics  
**Affiliation entity:** Frontiers in Astronomy and Space Sciences  
**Start date:** 2018
- 10** **Committee title:** Officer for Early Career, Gender and Diversity  
**Affiliation entity:** IFIC  
**Start date:** 15/11/2017
- 11** **Committee title:** KM3NeT Conference Committee  
**Start date:** 03/10/2017
- 12** **Committee title:** Editorial Board for the MoU of KM3NeT  
**Start date:** 24/10/2016
- 13** **Committee title:** KM3NeT Resource Review Committee  
**Start date:** 12/07/2014
- 14** **Committee title:** Search Committee for KM3NeT Management Team  
**Start date:** 23/05/2014
- 15** **Committee title:** KM3NeT Institutional Board  
**Start date:** 2013
- 16** **Committee title:** ANTARES Institutional Board  
**Geographical area:** European Union  
**Start date:** 01/06/2009
- 17** **Committee title:** ANTARES Steering Committee  
**Geographical area:** European Union  
**Start date:** 01/06/2007

## Organization of R&D activities

- 1** **Title of the activity:** VLVnT 2020  
**Type of activity:** Organizador Principal  
**Convening entity:** Universitat de València  
**City convening entity:** Valencia, Spain  
**Start-End date:** 16/09/2020 - 18/09/2020  
**Geographical area:** Non EU International  
**Type of entity:** University



- 2** **Title of the activity:** MANTS 2020  
**Type of activity:** Organizador Principal  
**Convening entity:** Universitat de València **Type of entity:** University  
**City convening entity:** Valencia, Spain  
**Start-End date:** 15/09/2020 - 15/09/2020
- 3** **Title of the activity:** TAUP2020  
**Type of activity:** Miembro del Comité Organizador Local  
**Convening entity:** CSIC-UV  
**City convening entity:** Valencia, Spain  
**Start-End date:** 2020 - 2020
- 4** **Title of the activity:** Town Hal KM3NeT Meeting  
**Type of activity:** Miembro del Comité Organizador Científico  
**Convening entity:** Universidad Aix-Marsella  
**City convening entity:** Marsella, France  
**Start-End date:** 17/12/2019 - 19/12/2019
- 5** **Title of the activity:** Particle Physics with Neutrino Telescopes  
**Type of activity:** Miembro del Comité Organizador Científico  
**Convening entity:** Universidad de Upsala  
**City convening entity:** Upsala, Sweden  
**Start-End date:** 07/10/2019 - 09/10/2019
- 6** **Title of the activity:** ORCA F2F meeting  
**Type of activity:** Scientific workshop  
**Convening entity:** IFIC (UV-CSIC)  
**City convening entity:** Valencia,  
**Type of participation:** Organiser  
**Nº assistants:** 20  
**Start-End date:** 28/11/2018 - 30/11/2018
- 7** **Title of the activity:** HOW 2018  
**Type of activity:** Scientific workshop  
**Convening entity:** IFIC (CSIC-UV)  
**City convening entity:** Valencia,  
**Type of participation:** Organiser  
**Nº assistants:** 30  
**Start-End date:** 26/11/2018 - 28/11/2018
- 8** **Title of the activity:** Dark Ghosts 2018  
**Type of activity:** Scientific workshop  
**Convening entity:** ULB, IFIC  
**City convening entity:** Brussels, Belgium  
**Type of participation:** Organiser  
**Nº assistants:** 30  
**Start-End date:** 12/11/2018 - 13/11/2018
- 9** **Title of the activity:** First KM3NeT Bootcamp  
**Type of activity:** Workshop  
**Convening entity:** IFIC (UV-CSIC)



**City convening entity:** Valencia,  
**Type of participation:** Organiser  
**N° assistants:** 54  
**Start-End date:** 14/11/2017 - 17/11/2017

**10 Title of the activity:** MANTS 2016 (Mediterranean and Antarctic Neutrino Telescopes Workshop)  
**Type of activity:** Member of Scientific Committee  
**City convening entity:** Mainz, Germany  
**Start-End date:** 01/10/2016 - 02/10/2016

**11 Title of the activity:** Beyond the Standard Model with Neutrino Telescopes  
**Type of activity:** Member of Scientific Committee  
**Convening entity:** SKKU  
**City convening entity:** Suwon, Republic of Korea  
**Start-End date:** 28/07/2016 - 29/07/2016

**12 Title of the activity:** RICAP 2016  
**Type of activity:** Member of Scientific Committee  
**Convening entity:** INFN  
**Start-End date:** 21/06/2016 - 24/06/2016

**13 Title of the activity:** IVICFA 2015  
**Type of activity:** Miembro del Comité Organizador  
**Convening entity:** IFIC  
**Start-End date:** 01/06/2015 - 31/12/2015

**14 Title of the activity:** RICAP 2014  
**Type of activity:** Scientific Committee  
**Convening entity:** INFN  
**City convening entity:** Not to, Italy  
**Start-End date:** 30/09/2014 - 03/10/2014

**Geographical area:** Non EU International  
**Type of entity:** State agency

**Duration:** 4 days

**15 Title of the activity:** ICHEP 2014  
**Type of activity:** International Conference  
**Convening entity:** Instituto de Física Corpuscular  
**City convening entity:** Valencia, Spain  
**Type of participation:** Chairman  
**N° assistants:** 1.000  
**Start-End date:** 02/07/2014 - 09/07/2014

**Geographical area:** Non EU International  
**Type of entity:** Public Research Body

**Duration:** 9 days

**16 Title of the activity:** Dark Ghosts 2014  
**Type of activity:** Workshop  
**Convening entity:** Instituto de Física Corpuscular  
**City convening entity:** Valencia, Spain  
**Type of participation:** Organiser  
**Start-End date:** 10/04/2014 - 11/04/2014

**Geographical area:** European Union  
**Type of entity:** Public Research Body

**Duration:** 2 days

**17 Title of the activity:** 10th Multidark Workshop  
**Type of activity:** Workshop  
**Convening entity:** Instituto de Física Corpuscular  
**City convening entity:** Valencia, Spain

**Geographical area:** European Union  
**Type of entity:** Public Research Body



**Type of participation:** Organiser

**Start-End date:** 02/04/2014 - 04/04/2014

**Duration:** 3 days

**18 Title of the activity:** VLVnT 2013

**Type of activity:** Scientific Workshop

**Convening entity:** Albanova University Center

**City convening entity:** Stockholm, Sweden

**Type of participation:** Convenor and editor

**Start-End date:** 04/08/2013 - 08/08/2013

**Type of entity:** University Research Institute

**Duration:** 4 days

**19 Title of the activity:** RICAP 2013

**Type of activity:** Scientific Committee

**Convening entity:** INFN

**City convening entity:** Roma, Italy

**Start-End date:** 22/05/2013 - 24/05/2013

**Geographical area:** Non EU International

**Type of entity:** State agency

**Duration:** 3 days

**20 Title of the activity:** Physics Analysis Workshop

**Type of activity:** Organizador

**Convening entity:** Instituto de Física Corpuscular

**Start-End date:** 15/10/2007 - 21/10/2007

**Geographical area:** European Union

**Type of entity:** Public Research Body

**Duration:** 7 days

**21 Title of the activity:** MARSS 2014

**Type of activity:** Scientific Committee

**City convening entity:** Benidorm, Spain

**Start date:** 22/06/2014

**Duration:** 6 days

## R&D management

**1 Name of the activity:** Dark Matter and Exotics Working Group of KM3NeT

**Type of management:** Group management

**Performed tasks:** Coordinator

**Start date:** 03/10/2017

**2 Name of the activity:** Time Calibration Working Group of KM3NeT

**Performed tasks:** Coordinator

**Start date:** 16/09/2014

**Duration:** 3 years

**3 Name of the activity:** Dark Matter and Exotics Working Group of ANTARES

**Type of management:** Group management

**Performed tasks:** Coordinator

**Start date:** 01/09/2014

**4 Name of the activity:** Calibración de ANTARES y búsqueda de fuentes puntuales

**Type of management:** Management of R&D&I actions and projects

**Performed tasks:** Investigador Principal

**Entity:** Instituto de Física Corpuscular

**Start date:** 01/01/2011

**Type of entity:** Public Research Body

**Duration:** 1 year

**Average annual budget:** 4.600



- 5** **Name of the activity:** Neutrinos and Cosmic Rays Working Group  
**Type of management:** Group management  
**Performed tasks:** Coordinator  
**Start date:** 01/06/2010
- 6** **Name of the activity:** Point Source Working Group of ANTARES  
**Type of management:** Group management  
**Performed tasks:** Coordinator  
**Start date:** 01/06/2008 **Duration:** 6 years
- 7** **Name of the activity:** Estudio de LEDs pulsados para KM3NeT y búsqueda de fuentes puntuales de neutrinos con ANTARES y KM3NeT  
**Type of management:** Management of R&D&I actions and projects  
**Performed tasks:** Investigador principal  
**Entity:** Instituto de Física Corpuscular **Type of entity:** State agency  
**Start date:** 01/01/2008 **Duration:** 1 year  
**Access system:** By competition  
**Average annual budget:** 17.057,72
- 8** **Name of the activity:** Calibration Working Group of ANTARES  
**Type of management:** Group management  
**Performed tasks:** Coordinator  
**Start date:** 01/05/2007 **Duration:** 2 years
- 9** **Name of the activity:** Data analysis in AMANDA and Monte Carlo simulation in IceCube  
**Type of management:** Management of R&D&I actions and projects  
**Performed tasks:** co-Investigador Principal  
**Entity:** University of Madison-WI - CSIC  
**Start date:** 01/05/2007 **Duration:** 3 years

### Evaluation and revision of R&D projects and articles

- 1** **Performed tasks:** Member of PhD board of Elisa Pinat  
**Entity where activity was carried out:** Université Libre de Bruxelles  
**Start-End date:** 31/05/2017 - 31/05/2017
- 2** **Performed tasks:** Member of PhD board of Adiv González  
**Entity where activity was carried out:** Universitat Autònoma de Barcelona **Type of entity:** University  
**Start-End date:** 24/04/2015 - 24/04/2015
- 3** **Name of the activity:** Editor of VLVnT 2013  
**Performed tasks:** Editor of VLVnT 2013  
**Entity where activity was carried out:** University of Stockholm  
**Start-End date:** 2013 - 2014
- 4** **Performed tasks:** Evaluator for research proposals  
**Entity where activity was carried out:** Swiss National Science Foundation **Type of entity:** State agency  
**City of entity:** Switzerland



**Start date:** 17/11/2017

- 5 Name of the activity:** Evaluation of R&D projects of the JIN program  
**Performed tasks:** Expert evaluator  
**Entity where activity was carried out:** ANEP (National Agency of Evaluation and Prospective)  
**Start date:** 15/04/2016
- 6 Performed tasks:** Journal referee  
**Entity where activity was carried out:** European Physical Journal C
- 7 Performed tasks:** Journal referee  
**Entity where activity was carried out:** Nuclear Instruments and Methods
- 8 Performed tasks:** Member of Editorial Board  
**Entity where activity was carried out:** Conference Papers in Physics
- 9 Performed tasks:** Member of PhD board of Giusepina Larrosa  
**Entity where activity was carried out:** Universidad Politécnica de Valencia **Type of entity:** University

## Other achievements

### Stays in public or private R&D centres

- 1 Entity:** Universidad Autónoma de Madrid **Type of entity:** University  
**Faculty, institute or centre:** Instituto de Física Teórica  
**Start-End date:** 01/05/2011 - 30/04/2013 **Duration:** 2 years  
**Name of programme:** Consolider MultiDark  
**Goals of the stay:** Post-doctoral  
**Provable tasks:** Analysis of ANTARES data
- 2 Entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**Faculty, institute or centre:** Instituto de Física Corpuscular  
**City of entity:** Valencia, Spain  
**Start-End date:** 01/05/2008 - 30/04/2011 **Duration:** 3 years  
**Name of programme:** Juan de la Cierva  
**Goals of the stay:** Post-doctoral  
**Provable tasks:** Analysis of ANTARES data
- 3 Entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**Faculty, institute or centre:** Instituto de Física Corpuscular  
**City of entity:** Valencia, Spain  
**Start-End date:** 01/05/2007 - 30/04/2008 **Duration:** 2 years  
**Name of programme:** Marie Curie OIF  
**Goals of the stay:** Post-doctoral  
**Provable tasks:** Analysis of ANTARES data





- 4** **Entity:** Department of Physics **Type of entity:** University  
**Faculty, institute or centre:** University of Madison-WI  
**City of entity:** Madison-WI, United States of America  
**Start-End date:** 01/05/2005 - 30/04/2007 **Duration:** 2 years  
**Name of programme:** Marie Curie OIF  
**Goals of the stay:** Post-doctoral  
**Provable tasks:** Analysis of AMANDA and IceCube data
- 5** **Entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**Faculty, institute or centre:** Instituto de Física Corpuscular  
**City of entity:** Valencia, Spain  
**Start-End date:** 01/09/2001 - 30/04/2005 **Duration:** 3 years - 8 months  
**Name of programme:** Beca FPI  
**Goals of the stay:** Doctorate  
**Provable tasks:** Study on ANTARES sensitivity to diffuse fluxes
- 6** **Entity:** DAPNIA **Type of entity:** Public Research Body  
**Faculty, institute or centre:** CEA  
**City of entity:** Saclay, France  
**Start-End date:** 01/09/2002 - 30/11/2002 **Duration:** 3 months  
**Goals of the stay:** Doctorate  
**Provable tasks:** Studies on energy reconstruction algorithms
- 7** **Entity:** IN2P3  
**City of entity:** Marsella, France  
**Start-End date:** 01/09/2001 - 30/11/2001 **Duration:** 3 months  
**Goals of the stay:** Doctorate  
**Provable tasks:** Study of large hemispherical photomultipliers for the ANTARES neutrino telescope
- 8** **Entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
**Faculty, institute or centre:** Instituto de Física Corpuscular  
**City of entity:** Valencia, Spain  
**Start-End date:** 01/05/2000 - 31/08/2001 **Duration:** 1 year - 4 months  
**Name of programme:** Beca asociada a proyecto  
**Goals of the stay:** Doctorate  
**Provable tasks:** Characterization of PMTs for ANTARES
- 9** **Entity:** Universitat de València **Type of entity:** University  
**Faculty, institute or centre:** Instituto de Física Corpuscular  
**City of entity:** Valencia, Spain  
**Start-End date:** 01/01/1999 - 31/03/1999 **Duration:** 3 months  
**Name of programme:** Beca de colaboración  
**Goals of the stay:** Beca de colaboración
- 10** **Entity:** University Johannes Gutemberg **Type of entity:** University  
**Faculty, institute or centre:** Institut für Kernphysik  
**City of entity:** Mainz, Germany  
**Start-End date:** 01/07/1998 - 31/08/1998 **Duration:** 2 months



**Goals of the stay:** Contracted

**Provable tasks:** analysis of data of the electromagnetic polarizability of nucleons and mesons at low energies, in the Mainz Mikrotron (MAMI).

## Co-operation networks

**Name of the network:** RENATA

**Identification of the network:** Red Nacional Temática de Astropartículas

## Prizes, mentions and distinctions

- 1** **Description:** Award to Best Presentation in the Conference "Commemorating the 150th anniversary of the birth of N. Tesla"  
**Awarding entity:** Croatian Ministry of Science and Serbian Ministry of Science  
**Conferral date:** 15/10/2006
- 2** **Description:** Premio Extraordinario de Bachillerato  
**Awarding entity:** Spanish Ministry of Education and Science  
**Conferral date:** 30/06/1993

## Obtained accreditations/recognitions

**Description:** Acreditación a Profesor Contratado Doctor

**Accrediting entity:** Agencia Nacional de Evaluación de la Calidad y Acreditación

**Type of entity:** National

**Date of recognition:** 2014

## Summary of other achievements

- 1** **Description of the achievement:** Internal Referee of several analysis of ANTARES, AMANDA and IceCube collaborations
- 2** **Description of the achievement:** Internal notes in ANTARES: 12
- 3** **Description of the achievement:** Talks in ANTARES, AMANDA/ICECUBE and MULTIDARK meetings: 100+