CURRÍCULUM VÍTAE NORMALIZADO

Agustín Sánchez Losa

Generated from: Editor CVN de FECYT

Date of document: 08/01/2025

v 1.4.3

40a1745abe0879188beaa6cdd9776774

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.

My research centres around **Experimental Astroparticle Physics** with emphasis on **multi-messenger observations**. In this approach, using the combined detection of different cosmic messengers we gain insights into their common origin. I have also made important contributions to the **design, construction, operation and calibration** of neutrino telescopes.

Detection of **cosmic neutrino** sources would yield key information to understand the mechanisms that originate cosmic rays. The significance that scarce neutrino statistics offer can be notably boosted when another messenger counterpart is foreseen. This is even more relevant when the neutrino emission is expected only during a particular period, improving the source search capabilities up to a factor of 2-3.

During my PhD I searched for ANTARES neutrino correlations with X-ray and gamma-ray emissions from potential cosmic neutrino sources, such as **X-Ray Binaries** and **Active Galactic Nuclei**. For that purpose, I used data from Fermi, SWIFT and MAGIC observatories among others. I developed a Bayesian method to enhance the accuracy of the emission period characterization. My PhD thesis was awarded with **The Global Neutrino Network Dissertation Prize** 2016, granted yearly to the most outstanding thesis in the neutrino telescope projects ANTARES, Baikal-GVD, IceCube and KM3NeT by the Global Neutrino Network.

I continued working on these analyses after my PhD and also applied these methods to analyse ANTARES data during the IceCube neutrino flares observed in association with the blazar **TXS 0506+056**. These works have been presented in 8 contributions at international conferences and published in three scientific articles. My students –two MSc thesis, two students in IFIC Summer Schools, one JAE Intro and three on-going PhD thesis– all worked in continuing and expanding with other messengers these analyses in ANTARES and now in KM3NeT.

Angular resolution in neutrino telescopes is critical to determine neutrino excesses coming from a source, for which calibrations play a capital role. In this regard, I played **several key roles in calibration** procedures for both ANTARES and KM3NeT, with a focus on time calibration, crucial for accurate event reconstruction and angular resolution in neutrino telescopes.

From 2010 to 2015, I coordinated the ANTARES time calibration. I developed procedures to carry out these and established monitoring requirements. Since 2020 I am the **coordinator of the calibration working group** (10 persons approx.).

In KM3NeT, I have been leading different time calibrations tasks and have played a crucial role in establishing the calibration procedures for the KM3NeT Detection Units in the dark room, ensuring their smooth implementation for mass production. I have coordinated and unified calibrations across multiple integration sites. As a result of my experience, from 2018 to 2023 I have served as **Calibration Custodian**, a figure that coordinates calibration releases, validity and applicability for data taking and analysis. In recognition of my work, the KM3NeT collaboration awarded me with the **Giorgos**

Androulakis Prize in 2024 for “exceptional contributions that significantly impacted the success and progress of the project”.

From 2016 to 2021, I served as the **Local Quality Supervisor** at the KM3NeT integration site at **INFN in Bari**. My role was to ensure the necessary quality requirements for the feasibility of KM3NeT. I also actively participated in prototyping and assembling the crucial Base Modules of the detector, and trained other integration sites on this. My contributions helped establish procedures for efficient mass production of this component.

I have wide experience in ANTARES and KM3NeT detector operation, such as **run coordinator**, and have participated in various sea operations. I have made several software contributions and held internal editorial board positions to both collaborations. I have also been a reviewer for the **Swiss National Science Foundation**.

I participate frequently in outreach activities, so far 9 open days and multiple school visits and talks to show my research. I have been part of the organising committee for the VLVnT 2021, the CNID Workshop 2024 and multiple ANTARES-KM3NeT collaboration meetings and dedicated workshops. I have been convener of the ANTARES session in the 17th Marcel Grossmann Meeting.

I did long stays in relevant institutes of ANTARES and KM3NeT collaborations: Nikhef (Netherlands); CPPM (France); INFN – Sezione di Bari (Italy) where I accumulated 5 years of postdoctoral experience; IFIC (Valencia) where I did my MSc and PhD and since 2021 I work as **Distinguished Researcher with a CIDEGENT excellence grant**, with the **R3 certificate** obtained in 2023.

Leadership Merits

Brief presentation of the merits related to leadership activities of special relevance.

Coordination roles:
- KM3NeT Contact of the KM3NeT-MAGIC Memorandum of Understanding, 2025 – present.
- ANTARES Calibration Working Group coordinator, 2020 – present.
- KM3NeT Calibration Custodian, 2018 – 2023.
- KM3NeT Local Quality Supervisor INFN – Sezione di Bari, 2016 – 2021.
- ANTARES Time Calibration coordinator, 2010 – 2015.

Organization of events:
- Invited convener of the ANTARES session in the 17th Marcel Grossmann Meeting, Pescara (Italy), 7–12 July 2024.
- Local Organizing Committee of 2 international conferences (TeVPA 2025, VLVnT 2021), 5 collaboration meetings and workshops of the ANTARES and KM3NeT collaborations and the 1 st CNID (CPAN Network on Instrumentation and Detectors) workshop in 2024.

Other:
- Supervision of 3 PhD Theses (on-going), 2 MSc Theses, 1 JAE Intro, 3 “Research stages” for non-experimental MSc in Advanced Physics in University of Valencia, 2 Internships and 2 students in the IFIC Summer Student Programme 2022.
- Community manager, webmaster and IFIC’s outreach appointee of the Valencia Experimental Group of Astroparticles, 2021 – present.
- Legacy website of ANTARES, calibration section.
- Individual review for the Swiss National Science Foundation, 2023. (contact Valentina Gallo)
- Editorial board of ANTARES & KM3NeT papers.
- Reviewer of ANTARES & KM3NeT analyses.
- 12 ANTARES shifts , 6 KM3NeT shifts + 5 on-line shifts, of one week each, 2011 – present.

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.

- Total publications: 178
- Total citations: 5849
- h-index: 40
- Average citations/publication: 32.9
- Average citations/year: 487.4

(Metrics by Web of Science: https://www.webofscience.com/wos/author/record/273757)

Agustín Sánchez Losa

Surname(s):	**Sánchez Losa**
Name:	**Agustín**
DNI:	**70883969Q**
ORCID:	**0000-0001-9596-7078**
ScopusID:	**15754527200**
ResearcherID:	**B-6153-2019**
Date of birth:	**21/07/1982**
Gender:	**Male**
Nationality:	**Spain**
Country of birth:	**Spain**
Aut. region/reg. of birth:	**Community of Madrid**
Contact province:	**Valencia**
City of birth:	**Madrid**
Contact address:	**Agustín Sánchez Losa IFIC - Instituto de Física Corpuscular**
Rest of contact address:	**Edificio Institutos de Investigación, Apartado de Correos 22085**
Postcode:	**46071**
Contact country:	**Spain**
Contact aut. region/reg.:	**Valencian Community**
Contact city:	**Paterna**
Land line phone:	**(+34) 963543538**
Fax:	**(+34) 963543488**
Email:	**agustin.sanchez@ific.uv.es**
Personal web page:	**ific.uv.es/~agusanlo**

Current professional situation

Employing entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency

Department: Instituto de Física Corpuscular (IFIC)

Professional category: Distinguished researcher **Leadership and management (Y/N):** No – CIDEGENT

City employing entity: Valencia, Valencian Community, Spain

Email: agustin.sanchez@ific.uv.es

Start date: 01/04/2021

Type of contract: Temporary employment contract **Dedication regime:** Full time

Primary (UNESCO code): 220700 - Nuclear physics

Performed tasks: Work on ANTARES and KM3NeT experiments: | Transient analyses with ANTARES & KM3NeT data: research and formation on this methods to PhD students in ANTARES & KM3NeT collaborations. | Produce calibration tables on the ANTARES DB for data and Monte Carlo processing. | KM3NeT Calibration Custodian, responsible of coordinate the many time and position calibrations to provide for data analysis and MC production. | Carry out several ANTARES shifts and outreach activities.

Identify key words: Telescope; Universe; Physics - High energies - Experiment

Area of leadership and/or management activity: Public Research Body

Previous positions and activities

	Employing entity	Professional category	Start date
1	Istituto Nazionale di Fisica Nucleare - INFN (Italia)	Postdoctoral Research Assistant (bando INFN 21730)	01/04/2020
2	Istituto Nazionale di Fisica Nucleare - INFN (Italia)	Postdoctoral Research Assistant (bando INFN 19356)	07/02/2018
3	Istituto Nazionale di Fisica Nucleare - INFN (Italia)	Postdoctoral Research Fellowship (bando INFN 16725)	15/10/2015
4	Consejo Superior de Investigaciones Científicas - CSIC (Spain)	PhD Fellowship with Contract (FPI BES-2010-033616)	01/09/2010
5	Consejo Superior de Investigaciones Científicas - CSIC (Spain)	Pre-PhD Contract (Técnico superior de investigación)	11/05/2010

1 **Employing entity:** Istituto Nazionale di Fisica Nucleare - INFN (Italia) **Type of entity:** Public Research Body
Department: ANTARES/KM3NeT, INFN - Sezione di Bari
City employing entity: Bari, Puglia, Italy
Professional category: Postdoctoral Research Assistant (bando INFN 21730) **Leadership and management (Y/N):** No
Email: agustin@infn.it
Start-End date: 01/04/2020 - 31/03/2021 **Duration:** 2 years
Type of contract: Temporary employment contract
Dedication regime: Full time
Performed tasks: Work on ANTARES and KM3NeT experiments: | Transient analyses with ANTARES data: research and formation on this methods to PhD students in ANTARES & KM3NeT collaborations. | Coordinator of the ANTARES Calibration Working Group. | Produce calibration tables on the ANTARES DB for data and Monte Carlo processing. | KM3NeT Calibration Custodian, responsible of coordinate the many time and position calibrations to provide for data analysis and MC production. | Dark Room calibration of ARCA/KM3NeT DU units. | KM3NeT Local Quality Supervisor of the INFN - Sezione di Bari Base Module integration site and Detector Unit integration coordination site. | Carry out several ANTARES shifts and outreach activities.
Area of leadership and/or management activity: Public Research Body

2 **Employing entity:** Istituto Nazionale di Fisica Nucleare - INFN (Italia) **Type of entity:** Public Research Body
Department: ANTARES/KM3NeT, INFN - Sezione di Bari
City employing entity: Bari, Puglia, Italy
Professional category: Postdoctoral Research Assistant (bando INFN 19356) **Leadership and management (Y/N):** No
Email: agustin@infn.it
Start-End date: 07/02/2018 - 06/02/2020 **Duration:** 2 years
Type of contract: Temporary employment contract
Dedication regime: Full time
Performed tasks: Work on ANTARES and KM3NeT experiments: | Transient analyses with ANTARES data: research and formation on this methods to PhD students in ANTARES & KM3NeT collaborations. | Produce calibration tables on the ANTARES DB for data and Monte Carlo processing. | KM3NeT Calibration Custodian, responsible of coordinate the many time and position calibrations to provide for data analysis and MC production. | KM3NeT muon time calibration responsible. | KM3NeT Local Quality Supervisor of the INFN - Sezione di

Bari Base Module integration site and Detector Unit integration coordination site. | ANTARES data processing for some prompt analyses. | Carry out several ANTARES shifts and outreach activities.

Area of leadership and/or management activity: Public Research Body

3 **Employing entity:** Istituto Nazionale di Fisica Nucleare - INFN (Italia) **Type of entity:** Public Research Body

Department: ANTARES/KM3NeT, INFN - Sezione di Bari

City employing entity: Bari, Puglia, Italy

Professional category: Postdoctoral Research Fellowship (bando INFN 16725) **Leadership and management (Y/N):** No

Email: agustin@infn.it

Start-End date: 15/10/2015 - 14/10/2017 **Duration:** 2 years

Type of contract: Grant-assisted student (pre or post-doctoral, others)

Dedication regime: Full time

Performed tasks: Work on ANTARES and KM3NeT experiments: | Transient analyses with ANTARES data: research and formation on this methods to PhD students in ANTARES & KM3NeT collaborations. | Produce calibration tables on the ANTARES DB for data and Monte Carlo processing. | KM3NeT muon time calibration responsible. | KM3NeT Local Quality Supervisor of the INFN - Sezione di Bari Base Module integration site and Detector Unit integration coordination site. | Integration of two KM3NeT Base Modules and knowledge transfer to other integration sites. | KM3NeT run coordinator during 6 weeks plus 2 weeks of shift in the earliest KM3NeT data taking stage. | Contribution to KM3NeT software tools. | ANTARES data processing for some prompt analyses. | Carry out several ANTARES shifts and outreach activities.

Area of leadership and/or management activity: Public Research Body

4 **Employing entity:** Consejo Superior de Investigaciones Científicas - CSIC (Spain) **Type of entity:** State agency

Department: ANTARES/KM3NeT, Instituto de Física Corpuscular - IFIC (Spain)

Professional category: PhD Fellowship with Contract (FPI BES-2010-033616) **Leadership and management (Y/N):** No

Email: agustin.sanchez@ific.uv.es

Start-End date: 01/09/2010 - 31/08/2014 **Duration:** 4 years

Type of contract: Grant-assisted student (pre or post-doctoral, others)

Dedication regime: Full time

Performed tasks: Work on ANTARES experiment and MSci and PhD theses: | Transient analyses with ANTARES data: researching and developing of techniques. | ANTARES time calibration coordinator. | ANTARES time calibration by means of Optical Beacons: automation of the procedure. | Participation in some ANTARES and MEUST operations. | ANTARES data processing for some prompt analyses. | Carry out several ANTARES shifts and outreach activities.

Area of leadership and/or management activity: Public Research Body

5 **Employing entity:** Consejo Superior de Investigaciones Científicas - CSIC (Spain) **Type of entity:** State agency

Department: ANTARES/KM3NeT, Instituto de Física Corpuscular - IFIC (Spain)

Professional category: Pre-PhD Contract (Técnico superior de investigación) **Leadership and management (Y/N):** No

Email: agustin.sanchez@ific.uv.es

Start-End date: 11/05/2010 - 31/08/2010 **Duration:** 3 months - 20 days

Type of contract: Temporary employment contract

Dedication regime: Part time

Performed tasks: Work on ANTARES experiment and start of the MSci thesis: automation of the ANTARES time calibration procedure by means of Optical Beacons.
Area of leadership and/or management activity: Public Research Body

Summary of professional activity

My research focuses on **Experimental Astroparticle Physics**, emphasizing **multi-messenger observations** to uncover the origins of cosmic rays. I have significantly contributed to designing, constructing, operating, and calibrating **neutrino telescopes** like **ANTARES** and **KM3NeT**.
During my PhD, I developed Bayesian methods to study **cosmic neutrino** correlations with X-ray and gamma-ray emissions from sources like X-Ray Binaries and Active Galactic Nuclei, using data from observatories such as Fermi and Swift. This work earned the 2016 **Global Neutrino Network Dissertation Prize**. Post-PhD, I extended these analyses, including studying the **TXS 0506+056** blazar, resulting in publications and presentations at international conferences.
Time calibration, crucial for angular resolution in neutrino telescopes, has been a central focus of my work. I coordinated ANTARES time calibration (2010–2015) and now lead KM3NeT calibration tasks, standardizing procedures and ensuring smooth mass production of Detection Units. My role as **Calibration Custodian** (2018–2023) and contributions earned the 2024 **Giorgos Androulakis Prize**.
I have extensive experience in detector operation, quality assurance, and training, serving as Local Quality Supervisor at the INFN Bari KM3NeT site (2016–2021) and conducting sea operations. My outreach activities include open days, school talks, and organizing conferences. Currently, I work as a **Distinguished Researcher** at IFIC with a **CIDEGENT excellence grant** and **R3 certification**.

Education

University education

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

1 **University degree:** Máster
Name of qualification: Máster Universitario en Física Avanzada
Degree awarding entity: Universitat de València **Type of entity:** University
Date of qualification: 26/01/2011
Average mark: Excellent

2 **University degree:** Higher degree
Name of qualification: Licenciado en Física (Plan 2000)
Degree awarding entity: Universitat de València **Type of entity:** University
Date of qualification: 25/09/2009
Average mark: Pass

Doctorates

Doctorate programme: Doctorado en Física con Mención Internacional
Degree awarding entity: Universitat de València **Type of entity:** University
Date of degree: 02/10/2015
European doctorate: Yes
Thesis title: Search for High Energy Cosmic Muon Neutrinos from Variable Gamma-Ray Sources and Time Calibration of the Optical Modules of the ANTARES Telescope
Thesis director: Juan José Hernández Rey
Thesis co-director: Damien Dornic
Obtained qualification: Sobresaliente Cum Laude
Recognition of quality: Yes
Standardised degree: No

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	C1	C1	C1	C1	C1
Italian	C1	C1	C1	C1	C1
Spanish	C2	C2	C2	C2	C2

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:** Red Española de Física de Ondas Gravitacionales (REDONGRA) [UNDER EVALUATION]
Entity where project took place: INSTITUTO DE CIENCIAS DEL ESPACIO **Type of entity:** State agency
City of entity: Barcelona, Catalonia, Spain
Name principal investigator (PI, Co-PI....): Mario Martínez Pérez
Nº of researchers: 19
Start-End date: 01/05/2025 - 30/04/2027
Total amount: 128.080 €

2 **Name of the project:** Neutrino telescopes for fundamental physics and multimessenger astronomy (NOSTRUM)
Entity where project took place: Instituto de Física Corpuscular **Type of entity:** State agency
City of entity: Valencia, Valencian Community, Spain
Name principal investigator (PI, Co-PI....): Juan de Dios Zornoza Gómez; Juan José Hernández Rey
Nº of researchers: 22
Start-End date: 01/09/2022 - 31/08/2025
Total amount: 919.600 €

3 **Name of the project:** Multimessenger astronomy in the KM3NeT observatory: gravitational waves, gamma rays and cosmic neutrinos
Identify key words: Experimental results
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: Instituto de Física Corpuscular **Type of entity:** State agency
City of entity: Valencia, Valencian Community, Spain
Name principal investigator (PI, Co-PI....): Agustín Sánchez Losa
Nº of researchers: 1
Funding entity or bodies:
Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Generalitat Valenciana **Type of entity:** Conselleria d'Innovació, Universitats, Ciència i Societat Digital
Type of participation: Principal investigator
Name of the programme: Programa para el apoyo a personas investigadoras con talento - Plan GenT
Code according to the funding entity: CIDEGENT/2020/049
Start-End date: 01/04/2021 - 31/03/2025 **Duration:** 4 years
Total amount: 408.735,34 €
Percentage as grant: 100
Dedication regime: Full time

4 **Name of the project:** Participación del IFIC en ANTARES Y KM3NET
Entity where project took place: Instituto de Física Corpuscular **Type of entity:** State agency
City of entity: Valencia, Valencian Community, Spain
Name principal investigator (PI, Co-PI....): Juan José Hernández Rey
Nº of researchers: 12
Funding entity or bodies:
MINECO. Ministerio de Economía y Competitividad **Type of entity:** Ministerios
City funding entity: Spain

Code according to the funding entity: FPA2012-37528-C02-01
Start-End date: 01/01/2013 - 31/12/2015 **Duration:** 3 years
Participating entity/entities: Consejo Superior de Investigaciones Científicas
Total amount: 237.510 €

5 **Name of the project:** Participación del IFIC en los telescopios de neutrinos ANTARES y KM3NeT
Entity where project took place: Instituto de Física Corpuscular **Type of entity:** State agency
City of entity: Valencia, Valencian Community, Spain
Name principal investigator (PI, Co-PI....): Juan José Hernández Rey
Nº of researchers: 12
Funding entity or bodies:
Ministerio de Ciencia e Innovación **Type of entity:** Ministerios
City funding entity: Madrid, Community of Madrid, Spain

Code according to the funding entity: FPA2009-13983-C02-01
Start-End date: 2010 - 2012 **Duration:** 2 years - 1 day
Participating entity/entities: Consejo Superior de Investigaciones Científicas
Total amount: 792.550 €

Scientific and technological activities

Scientific production

H index: 40
Date of application: 07/01/2025
Source of H-Index: WOS

Publications, scientific and technical documents

1 Aiello S.; Albert A.; Alshamsi M.; Alves Garre S.; Aly Z.; Ambrosone A.; Ameli F.; Andre M.; Androutsou E.; Anguita M.; Aphecetche L.; Ardid M.; Ardid S.; Atmani H.; Aublin J.; Badaracco F.; Bailly-Salins L.; Bardačová Z.; Baret B.; Bariego-Quintana A.; Baruzzi A.; Basegmez du Pree S.; Becherini Y.; Bendahman M.; Benfenati F.; Benhassi M.; Benoit D.M.; Berbee E.; Bertin V.; Biagi S.; Boettcher M.; Bonanno D.; Boumaaza J.; Bouta M.; Bouwhuis M.; Bozza C.; Bozza R.M.; Brânzaș H.; Bretaudeau F.; Breuhaus M.; Bruijn R.; Brunner J.; Bruno R.; Buis E.; Buompane R.; Busto J.; Caiffi B.; Calvo D.; Campion S.; Capone A.; Carenini F.; Carretero V.; Cartraud T.; Castaldi P.; Cecchini V.; Celli S.; Cerisy L.; Chabab M.; Chadolias M.; Chen A.; Cherubini S.; Chiarusi T.; Circella M.; Cocimano R.; Coelho J.A.B.; Coleiro A.; Coniglione R.; Coyle P.; Creusot A.; Cuttone G.; Dallier R.; Darras Y.; De Benedittis A.; De Martino B.; Decoene V.; Del Burgo R.; Del Rosso I.; Di Mauro L.S.; Di Palma I.; Díaz A.F.; Diaz C.; Diego-Tortosa

D.; Distefano C.; Domi A.; Donzaud C.; Dornic D.; Dörr M.; Drakopoulou E.; Drouhin D.; Ducoin J.G.; Dvornický R.; Eberl T.; Eckerová E.; Eddymaoui A.; 0000-0003-4980-044X; Eff M.; van Eijk D.; El Bojaddaini I.; El Hedri S.; Enzenhöfer A.. Astronomy potential of KM3NeT/ARCA. European Physical Journal C. 84, 2024. ISSN 14346044

DOI: 10.1140/epjc/s10052-024-13137-2

Type of production: Scientific paper

Source of citations: SCOPUS **Citations:** 1

2 Albert A.; Alves S.; André M.; Ardid M.; Ardid S.; Aubert J.J.; Aublin J.; Baret B.; Basa S.; Becherini Y.; Belhorma B.; Bendahman M.; Benfenati F.; Bertin V.; Biagi S.; Boumaaza J.; Bouta M.; Bouwhuis M.C.; Brânzaș H.; Bruijn R.; Brunner J.; Busto J.; Caiffi B.; Calvo D.; Campion S.; Capone A.; Carenini F.; Carr J.; Carretero V.; Cartraud T.; Celli S.; Cerisy L.; Chabab M.; Cherkaoui El Moursli R.; Chiarusi T.; Circella M.; Coelho J.A.B.; Coleiro A.; Coniglione R.; Coyle P.; Creusot A.; Díaz A.F.; De Martino B.; Distefano C.; Di Palma I.; Donzaud C.; Dornic D.; Drouhin D.; Eberl T.; Eddymaoui A.; van Eeden T.; van Eijk D.; El Hedri S.; El Khayati N.; Enzenhöfer A.; Fermani P.; Ferrara G.; Filippini F.; Fusco L.A.; Gagliardini S.; García J.; Gatius Oliver C.; Gay P.; Geißelbrecht N.; Glotin H.; Gozzini R.; Gracia Ruiz R.; Graf K.; Guidi C.; Haegel L.; van Haren H.; Heijboer A.J.; Hello Y.; Hennig L.; Hernández-Rey J.J.; Hößl J.; Huang F.; Illuminati G.; Jisse-Jung B.; de Jong M.; de Jong P.; Kadler M.; Kalekin O.; Katz U.; Kouchner A.; Kreykenbohm I.; Kulikovskiy V.; Lahmann R.; Lamoureux M.; Lazo A.; Lefèvre D.; Leonora E.; Levi G.; Le Stum S.; Loucatos S.; Manczak J.; Marcelin M.; Margiotta A.; Marinelli A.; Martínez-Mora J.A.. Constraints on the energy spectrum of the diffuse cosmic neutrino flux from the ANTARES neutrino telescope. Journal of Cosmology and Astroparticle Physics. 2024, 2024.

DOI: 10.1088/1475-7516/2024/08/038

Type of production: Scientific paper

Source of citations: SCOPUS **Citations:** 1

3 Aiello S.; Albert A.; Alves Garre S.; Aly Z.; Ambrosone A.; Ameli F.; Andre M.; Androutsou E.; Anghinolfi M.; Anguita M.; Aphecetche L.; Ardid M.; Ardid S.; Atmani H.; Aublin J.; Bagatelas C.; Bailly-Salins L.; Bardačová Z.; Baret B.; Basegmez du Pree S.; Becherini Y.; Bendahman M.; Benfenati F.; Benhassi M.; Benoit D.M.; Berbee E.; Bertin V.; van Beveren V.; Biagi S.; Boettcher M.; Boumaaza J.; Bouta M.; Bouwhuis M.; Bozza C.; Bozza R.M.; Brânzaș H.; Bretaudeau F.; Bruijn R.; Brunner J.; Bruno R.; Buis E.; Buompane R.; Busto J.; Caiffi B.; Calvo D.; Campion S.; Capone A.; Carenini F.; Carretero V.; Cartraud T.; Castaldi P.; Cecchini V.; Celli S.; Cerisy L.; Chabab M.; Chadolias M.; Chen A.; Cherubini S.; Chiarusi T.; Circella M.; Cocimano R.; Coelho J.A.B.; Coleiro A.; Coniglione R.; Coyle P.; Creusot A.; Cruz A.; Cuttone G.; Dallier R.; Darras Y.; De Benedittis A.; De Martino B.; Decoene V.; Del Burgo R.; Di Mauro L.S.; Di Palma I.; Díaz A.F.; Diego-Tortosa D.; Distefano C.; Domi A.; Donzaud C.; Dornic D.; Dörr M.; Drakopoulou E.; Drouhin D.; Dvornický R.; Eberl T.; Eckerová E.; Eddymaoui A.; van Eeden T.; Eff M.; van Eijk D.; El Bojaddaini I.; El Hedri S.; Enzenhöfer A.; Ferrara G.; Filipović M.D.; Filippini F.; Fusco L.A.; Gabella O.. Embedded software of the KM3NeT central logic board. Computer Physics Communications. 296, 2024. ISSN 00104655

DOI: 10.1016/j.cpc.2023.109036

Type of production: Scientific paper

Source of citations: SCOPUS **Citations:** 2

4 Aiello S.; Albert A.; Alhebsi A.R.; Alshamsi M.; Alves Garre S.; Ambrosone A.; Ameli F.; Andre M.; Aphecetche L.; Ardid M.; Ardid S.; Atmani H.; Aublin J.; Badaracco F.; Bailly-Salins L.; Bardačová Z.; Baret B.; Bariego-Quintana A.; Becherini Y.; Bendahman M.; Benfenati F.; Benhassi M.; Bennani M.; Benoit D.M.; Berbee E.; Bertin V.; Biagi S.; Boettcher M.; Bonanno D.; Bouasla A.B.; Boumaaza J.; Bouta M.; Bouwhuis M.; Bozza C.; Bozza R.M.; Brânzaș H.; Bretaudeau F.; Breuhaus M.; Bruijn R.; Brunner J.; Bruno R.; Buis E.; Buompane R.; Busto J.; Caiffi B.; Calvo D.; Capone A.; Carenini F.; 0000-0002-7540-0266; Cartraud T.; Castaldi P.; Cecchini V.; Celli S.; Cerisy L.; Chabab M.; Chen A.; Cherubini S.; Chiarusi T.; Circella M.; Cocimano R.; Coelho J.A.B.; Coleiro A.; Condorelli A.; Coniglione R.; Coyle P.; Creusot A.; Cuttone G.; Dallier R.; De Benedittis A.; De Martino B.; De Wasseige G.; Decoene V.; Del Rosso I.; Di Mauro L.S.; Di Palma I.; Díaz A.F.; Diego-Tortosa D.; Distefano C.; Domi A.; Donzaud C.; Dornic D.; Drakopoulou E.; Drouhin D.; Ducoin J.G.; Dvornický R.; Eberl T.; Eckerová E.; Eddymaoui A.; van Eeden T.; Eff M.; van Eijk D.; El Bojaddaini I.; El Hedri S.; Ellajosyula V.; Enzenhöfer A.; Ferrara G.; Filipović M.D.; Filippini F.; Franciotti D.; Fusco L.A.. Measurement of neutrino oscillation parameters with the first six detection units of KM3NeT/ORCA. Journal of High Energy Physics. 2024, 2024.

DOI: 10.1007/JHEP10(2024)206

Type of production: Scientific paper

5 Albert A.; Alves S.; André M.; Ardid M.; Ardid S.; Aubert J.J.; Aublin J.; Baret B.; Basa S.; Becherini Y.; Belhorma B.; Bendahman M.; Benfenati F.; Bertin V.; Biagi S.; Bissinger M.; Boumaaza J.; Bouta M.; Bouwhuis M.C.; Brănzaș H.; Bruijn R.; Brunner J.; Busto J.; Caiffi B.; Calvo D.; Campion S.; Capone A.; Caramete L.; Carenini F.; Carr J.; Carretero V.; Celli S.; Cerisy L.; Chabab M.; El Moursli R.C.; Chiarusi T.; Circella M.; Coelho J.A.B.; Coleiro A.; Coniglione R.; Coyle P.; Creusot A.; Cruz A.S.M.; Díaz A.F.; De Martino B.; Distefano C.; Di Palma I.; Donzaud C.; Dornic D.; Drouhin D.; Eberl T.; van Eeden T.; van Eijk D.; El Hedri S.; El Khayati N.; Enzenhöfer A.; Fermani P.; Ferrara G.; Filippini F.; Fusco L.; Gagliardini S.; García J.; Oliver C.G.; Gay P.; Geißelbrecht N.; Glotin H.; Gozzini R.; Ruiz R.G.; Graf K.; Guidi C.; Haegel L.; Hallmann S.; van Haren H.; Heijboer A.J.; Hello Y.; Hennig L.; Hernańdez-Rey J.J.; Hösl J.; Hofestädt J.; Huang F.; Illuminati G.; James C.W.; Jisse-Jung B.; de Jong M.; de Jong P.; Kadler M.; Kalekin O.; Katz U.; Kouchner A.; Kreykenbohm I.; Kulikovskiy V.; Lahmann R.; Lamoureux M.; Lazo A.; Lefèvre D.; Leonora E.; Levi G.; Le Stum S.; Loucatos S.; Maderer L.. Results of the follow-up of ANTARES neutrino alerts. Journal of Cosmology and Astroparticle Physics. 2024, 2024.
DOI: 10.1088/1475-7516/2024/09/042
Type of production: Scientific paper

6 Aiello S.; Albert A.; Alshamsi M.; Alves Garre S.; Ambrosone A.; Ameli F.; Andre M.; Androutsou E.; Anguita M.; Aphecetche L.; Ardid M.; Ardid S.; Atmani H.; Aublin J.; Badaracco F.; Bailly-Salins L.; Bardačová Z.; Baret B.; Bariego-Quintana A.; Basegmez du Pree S.; Becherini Y.; Bendahman M.; Benfenati F.; Benhassi M.; Benoit D.M.; Berbee E.; Bertin V.; Biagi S.; Boettcher M.; Bonanno D.; Boumaaza J.; Bouta M.; Bouwhuis M.; Bozza C.; Bozza R.M.; Brânzaș H.; Bretaudeau F.; Breuhaus M.; Bruijn R.; Brunner J.; Bruno R.; Buis E.; Buompane R.; Busto J.; Caiffi B.; Calvo D.; Campion S.; Capone A.; Carenini F.; Carretero V.; Cartraud T.; Castaldi P.; Cecchini V.; Celli S.; Cerisy L.; Chabab M.; Chadolias M.; Chen A.; Cherubini S.; Chiarusi T.; Circella M.; Cocimano R.; Coelho J.A.B.; Coleiro A.; Condorelli A.; Coniglione R.; Coyle P.; Creusot A.; Cuttone G.; Dallier R.; Darras Y.; De Benedittis A.; De Martino B.; Decoene V.; Del Burgo R.; Del Rosso I.; Di Mauro L.S.; Di Palma I.; Díaz A.F.; Diaz C.; Diego-Tortosa D.; Distefano C.; Domi A.; Donzaud C.; Dornic D.; Dörr M.; Drakopoulou E.; Drouhin D.; Ducoin J.G.; Dvornický R.; Eberl T.; Eckerová E.; Eddymaoui A.; van Eeden T.; Eff M.; van Eijk D.; El Bojaddaini I.; El Hedri S.; Enzenhöfer A.; Ferrara G.. Search for neutrino emission from GRB 221009A using the KM3NeT ARCA and ORCA detectors. Journal of Cosmology and Astroparticle Physics. 2024, 2024.
DOI: 10.1088/1475-7516/2024/08/006
Type of production: Scientific paper

7 Albert A.; Alves S.; André M.; Ardid M.; Ardid S.; Aubert J.J.; Aublin J.; Baret B.; Basa S.; Becherini Y.; Belhorma B.; Bendahman M.; Benfenati F.; Bertin V.; Biagi S.; Bissinger M.; Boumaaza J.; Bouta M.; Bouwhuis M.C.; Brânzaș H.; Bruijn R.; Brunner J.; Busto J.; Caiffi B.; Calvo D.; Campion S.; Capone A.; Caramete L.; Carenini F.; Carr J.; Carretero V.; Celli S.; Cerisy L.; Chabab M.; El Moursli R.C.; Chiarusi T.; Circella M.; Coelho J.A.B.; Coleiro A.; Coniglione R.; Coyle P.; Creusot A.; Cruz A.S.M.; Díaz A.F.; De Martino B.; Distefano C.; Di Palma I.; Domi A.; Donzaud C.; Dornic D.; Drouhin D.; Eberl T.; van Eeden T.; van Eijk D.; El Hedri S.; El Khayati N.; Enzenhöfer A.; Fermani P.; Ferrara G.; Filippini F.; Fusco L.; Gagliardini S.; García J.; Oliver C.G.; Gay P.; Geißelbrecht N.; Glotin H.; Gozzini R.; Ruiz R.G.; Graf K.; Guidi C.; Haegel L.; Hallmann S.; van Haren H.; Heijboer A.J.; Hello Y.; Hernández-Rey J.J.; Hößl J.; 0000-0002-7848-117X; Huang F.; 0000-0002-4138-8027; James C.W.; Jisse-Jung B.; de Jong M.; de Jong P.; Kadler M.; Kalekin O.; Katz U.; Kouchner A.; Kovalev Y.A.; Kovalev Y.Y.; 0000-0001-7335-1803; Kulikovskiy V.; Lahmann R.; Lamoureux M.; Lazo A.; Lefèvre D.; 0000-0002-0536-3551; Levi G.; Le Stum S.. Searches for Neutrinos in the Direction of Radio-bright Blazars with the ANTARES Telescope. Astrophysical Journal. 964, 2024. ISSN 0004637X
DOI: 10.3847/1538-4357/ad1f5b
Type of production: Scientific paper
Source of citations: SCOPUS **Citations:** 3

8 0000-0002-1038-7021; Calvo D.; 0000-0002-2615-6586; 0000-0003-1893-0858; Carretero V.; 0000-0001-9596-7078; Salesa Greus F.. An Ultra-Narrow Time Optical Pulse Emitter Based on a Laser: UNTOPEL. IEEE Transactions on Nuclear Science. 70, pp. 2364 - 2372. 2023. ISSN 00189499
DOI: 10.1109/TNS.2023.3307448
Type of production: Scientific paper
Source of citations: SCOPUS **Citations:** 1

9 Albert A.; Alves S.; André M.; Ardid M.; Ardid S.; Aubert J.J.; Aublin J.; Baret B.; Basa S.; Becherini Y.; Belhorma B.; Bendahman M.; Benfenati F.; Bertin V.; Biagi S.; Bissinger M.; Boumaaza J.; Bouta M.; Bouwhuis M.C.; Brânzaș H.; Bruijn R.; Brunner J.; Busto J.; Caiffi B.; Calvo D.; Campion S.; Capone A.; Caramete L.; Carenini F.; Carr J.; Carretero V.; Celli S.; Cerisy L.; Chabab M.; Chau T.N.; Cherkaoui El Moursli R.; Chiarusi T.; Circella M.; Coelho J.A.B.; Coleiro A.; Coniglione R.; Coyle P.; Creusot A.; Díaz A.F.; De Martino B.; Distefano C.; Di Palma I.; Domi A.; Donzaud C.; Dornic D.; Drouhin D.; Eberl T.; van Eeden T.; van Eijk D.; El Hedri S.; El Khayati N.; Enzenhöfer A.; Fasano M.; Fermani P.; Ferrara G.; Filippini F.; Fusco L.; Gagliardini S.; García J.; Gatius Oliver C.; Gay P.; Geißelbrecht N.; Glotin H.; Gozzini R.; Gracia Ruiz R.; Graf K.; Guidi C.; Haegel L.; Hallmann S.; van Haren H.; Heijboer A.J.; Hello Y.; Hernández-Rey J.J.; Hößl J.; Hofestädt J.; Huang F.; Illuminati G.; James C.W.; Jisse-Jung B.; de Jong M.; de Jong P.; Kadler M.; Kalekin O.; Katz U.; Kouchner A.; Kreykenbohm I.; Kulikovskiy V.; Lahmann R.; 0000-0002-8860-5826; Lazo A.; Lefèvre D.; Leonora E.; Levi G.; Le Stum S.; Lopez-Coto D.. Hint for a TeV neutrino emission from the Galactic Ridge with ANTARES. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics. 841, 2023. ISSN 03702693

DOI: 10.1016/j.physletb.2023.137951

Type of production: Scientific paper

Source of citations: SCOPUS **Citations:** 29

10 Aiello S.; Albert A.; Alves Garre S.; Aly Z.; Ambrosone A.; Ameli F.; Andre M.; Anghinolfi M.; Anguita M.; Ardid M.; Ardid S.; Aublin J.; Bagatelas C.; Bailly-Salins L.; Baret B.; Basegmez du Pree S.; Becherini Y.; Bendahman M.; Benfenati F.; Berbee E.; Bertin V.; Biagi S.; Boettcher M.; Bou Cabo M.; Boumaaza J.; Bouta M.; Bouwhuis M.; Bozza C.; Brânzaș H.; Bruijn R.; Brunner J.; Bruno R.; Buis E.; Buompane R.; Busto J.; Caiffi B.; Calvo D.; Campion S.; Capone A.; Carenini F.; Carretero V.; Castaldi P.; Celli S.; Cerisy L.; Chabab M.; Chau N.; Chen A.; Cherkaoui El Moursli R.; Cherubini S.; Chiarella V.; Chiarusi T.; Circella M.; Cocimano R.; Coelho J.; Coleiro A.; Coniglione R.; Coyle P.; Creusot A.; Cruz A.; Cuttone G.; D'Amico A.; Dallier R.; Darras Y.; De Benedittis A.; De Martino B.; Del Burgo R.; Di Palma I.; Díaz A.; Diego-Tortosa D.; Distefano C.; Domi A.; Donzaud C.; Dornic D.; Dörr M.; Drakopoulou E.; Drouhin D.; Eberl T.; Eddyamoui A.; van Eeden T.; Eff M.; van Eijk D.; El Bojaddaini I.; El Hedri S.; Enzenhöfer A.; Espinosa V.; Ferrara G.; Filipović M.; Filippini F.; Fusco L.; Gabriel J.; Gal T.; García Méndez J.; Garcia Soto A.; Garufi F.; Gatius Oliver C.; Geißelbrecht N.; Gialanella L.; Giorgio E.; Girardi A.; Goos I.. KM3NeT broadcast optical data transport system. Journal of Instrumentation. 18, 2023.

DOI: 10.1088/1748-0221/18/02/T02001

Type of production: Scientific paper

Source of citations: SCOPUS **Citations:** 9

11 Albert A.; Alves S.; André M.; Ardid M.; Ardid S.; Aubert J.J.; Aublin J.; Baret B.; Basa S.; Belhorma B.; Bendahman M.; Benfenati F.; Bertin V.; Biagi S.; Bissinger M.; Boumaaza J.; Bouta M.; Bouwhuis M.; Brânzaș H.; Bruijn R.; Brunner J.; Busto J.; Caiffi B.; Calvo D.; Capone A.; Caramete L.; Carr J.; Carretero V.; Celli S.; Chabab M.; Chau T.N.; Cherkaoui El Moursli R.; Chiarusi T.; Circella M.; Coelho J.; Coleiro A.; Coniglione R.; Coyle P.; Creusot A.; Díaz A.; de Wasseige G.; De Martino B.; Distefano C.; Di Palma I.; Domi A.; Donzaud C.; Dornic D.; Drouhin D.; Eberl T.; van Eeden T.; van Eijk D.; El Khayati N.; Enzenhöfer A.; Fermani P.; Ferrara G.; Filippini F.; Fusco L.; García J.; Gay P.; Glotin H.; Gozzini R.; Gracia Ruiz R.; Graf K.; Guidi C.; Hallmann S.; van Haren H.; Heijboer A.J.; Hello Y.; Hernández-Rey J.; Hößl J.; Hofestädt J.; Huang F.; Illuminati G.; James C.W.; Jisse-Jung B.; de Jong M.; de Jong P.; Kadler M.; Kalekin O.; Katz U.; Kouchner A.; Kreykenbohm I.; Kulikovskiy V.; Lahmann R.; Lamoureux M.; Le Breton R.; Lefèvre D.; Leonora E.; Levi G.; Le Stum S.; Lopez-Coto D.; Loucatos S.; Maderer L.; Manczak J.; Marcelin M.; Margiotta A.; Marinelli A.; Martínez-Mora J.; Melis K.; Migliozzi P.. Limits on the nuclearite flux using the ANTARES neutrino telescope. Journal of Cosmology and Astroparticle Physics. 2023, 2023.

DOI: 10.1088/1475-7516/2023/01/012

Type of production: Scientific paper

Source of citations: SCOPUS **Citations:** 2

12 Aiello S.; Albert A.; Alves Garre S.; Aly Z.; Ambrosone A.; Ameli F.; Andre M.; Anghinolfi M.; Anguita M.; Ardid M.; Ardid S.; Aublin J.; Bagatelas C.; Bailly-Salins L.; Baret B.; Basegmez du Pree S.; Becherini Y.; Bendahman M.; Benfenati F.; Berbee E.; Bertin V.; Biagi S.; Boettcher M.; Bou Cabo M.; Boumaaza J.; Bouta M.; Bouwhuis M.;

Bozza C.; Brânzaș H.; Bruijn R.; Brunner J.; Bruno R.; Buis E.; Buompane R.; Busto J.; Caiffi B.; Calvo D.; Campion S.; Capone A.; Carenini F.; 0000-0002-7540-0266; Castaldi P.; Celli S.; Cerisy L.; Chabab M.; Chau N.; Chen A.; Cherkaoui El Moursli R.; Cherubini S.; Chiarella V.; Chiarusi T.; Circella M.; Cocimano R.; Coelho J.A.B.; Coleiro A.; Coniglione R.; Coyle P.; Creusot A.; Cruz A.; Cuttone G.; Dallier R.; Darras Y.; De Benedittis A.; De Martino B.; Decoene V.; Del Burgo R.; Di Palma I.; Díaz A.F.; Diego-Tortosa D.; Distefano C.; Domi A.; Donzaud C.; Dornic D.; Dörr M.; Drakopoulou E.; Drouhin D.; Eberl T.; Eddyamoui A.; van Eeden T.; Eff M.; van Eijk D.; El Bojaddaini I.; El Hedri S.; Enzenhöfer A.; Espinosa V.; Ferrara G.; Filipović M.D.; Filippini F.; Fusco L.A.; Gabriel J.; Gal T.; García Méndez J.; Garcia Soto A.; Garufi F.; Gatius Oliver C.; Geißelbrecht N.; Gialanella L.; Giorgio E.; Girardi A.; Goos I.. Probing invisible neutrino decay with KM3NeT/ORCA. Journal of High Energy Physics. 2023, 2023.

DOI: 10.1007/JHEP04(2023)090

Type of production: Scientific paper

Source of citations: SCOPUS **Citations:** 4

13 Albert A.; Alves S.; André M.; Ardid M.; Ardid S.; Aubert J.J.; Aublin J.; Baret B.; Basa S.; Belhorma B.; Bendahman M.; Benfenati F.; Bertin V.; Biagi S.; Bissinger M.; Boumaaza J.; Bouta M.; Bouwhuis M.; Brânzaș H.; Bruijn R.; Brunner J.; Busto J.; Caiffi B.; Calvo D.; Campion S.; Capone A.; Caramete L.; Carr J.; Carretero V.; Celli S.; Chabab M.; Chau T.; Cherkaoui El Moursli R.; Chiarusi T.; Circella M.; Coelho J.; Coleiro A.; Coniglione R.; Coyle P.; Creusot A.; Díaz A.; De Martino B.; Distefano C.; Di Palma I.; Domi A.; Donzaud C.; Dornic D.; Drouhin D.; Eberl T.; van Eeden T.; van Eijk D.; El Khayati N.; Enzenhöfer A.; Fasano M.; Fermani P.; Ferrara G.; Filippini F.; Fusco L.; Gagliardini S.; García J.; Gay P.; Geißelbrecht N.; Glotin H.; Gozzini R.; Gracia Ruiz R.; Graf K.; Guidi C.; Haegel L.; Hallmann S.; van Haren H.; Heijboer A.; Hello Y.; Hernández-Rey J.; Hößl J.; Hofestädt J.; Huang F.; Illuminati G.; James C.; Jisse-Jung B.; de Jong M.; de Jong P.; Kadler M.; Kalekin O.; Katz U.; Kouchner A.; Kreykenbohm I.; Kulikovskiy V.; Lahmann R.; Lamoureux M.; Lefèvre D.; Leonora E.; Levi G.; Le Stum S.; Lopez-Coto D.; Loucatos S.; Maderer L.; Manczak J.; Marcelin M.; Margiotta A.; Marinelli A.. Review of the online analyses of multi-messenger alerts and electromagnetic transient events with the ANTARES neutrino telescope. Journal of Cosmology and Astroparticle Physics. 2023, 2023.

DOI: 10.1088/1475-7516/2023/08/072

Type of production: Scientific paper

Source of citations: SCOPUS **Citations:** 2

14 0000-0002-2084-5049; 0000-0003-2923-2246; 0000-0003-4738-0787; 0000-0002-3714-672X; 0000-0001-8711-1456; 0000-0001-6191-1244; 0000-0002-7675-4656; 0000-0002-5358-5642; 0000-0003-0569-6978; 0000-0003-0197-5646; Alves S.; André M.; 0000-0002-3199-594X; 0000-0003-4821-6655; Aubert J.J.; Aublin J.; 0000-0001-6064-3858; Basa S.; Belhorma B.; Bendahman M.; Benfenati F.; 0000-0001-6688-4580; 0000-0001-8598-0017; 0000-0002-8709-8236; Boumaaza J.; Bouta M.; Bouwhuis M.C.; Brânzaș H.; Bruijn R.; Brunner J.; Busto J.; Caiffi B.; Calvo D.; 0000-0001-9657-6220; Caramete L.; Carr J.; 0000-0002-7540-0266; 0000-0002-7592-0851; 0000-0002-2772-4290; Chau T.N.; El Moursli R.C.; 0000-0001-8454-8644; Circella M.; 0000-0001-5615-3899; Coleiro A.; Coniglione R.; Coyle P.; Creusot A.; Díaz A.F.; de Wasseige G.; De Martino B.; 0000-0001-8632-1136; 0000-0003-1544-8943; Domi A.; Donzaud C.; 0000-0001-5729-1468; Drouhin D.; Eberl T.; van Eeden T.; van Eijk D.; El Khayati N.; Enzenhöfer A.; 0000-0003-1204-4097; Ferrara G.; Filippini F.; Fusco L.; García J.; Gay P.; Glotin H.; Gozzini R.; Gracia Ruiz R.; 0000-0002-1921-5568; Guidi C.; Hallmann S.; 0000-0001-8041-8121; Heijboer A.J.; Hello Y.; Hernández-Rey J.J.; Hößl J.; 0000-0002-7848-117X; Huang F.; Illuminati G.; James C.W.; Jisse-Jung B.; de Jong M.; de Jong P.; Kadler M.; 0000-0001-6206-1288; 0000-0002-7063-4418; 0000-0001-7068-2113; Kreykenbohm I.; Kulikovskiy V.; Lahmann R.; 0000-0002-8860-5826; Le Breton R.; Lefèvre D.; Leonora E.; Levi G.; Le Stum S.; Lopez-Coto D.. Search for Gamma-Ray and Neutrino Coincidences Using HAWC and ANTARES Data. Astrophysical Journal. 944, 2023. ISSN 0004637X

DOI: 10.3847/1538-4357/acafdd

Type of production: Scientific paper

Source of citations: SCOPUS **Citations:** 1

15 Albert A.; Alves S.; André M.; Ardid M.; Ardid S.; Aubert J.J.; Aublin J.; Baret B.; Basa S.; Becherini Y.; Belhorma B.; Bendahman M.; Benfenati F.; Bertin V.; Biagi S.; Bissinger M.; Boumaaza J.; Bouta M.; Bouwhuis M.C.; Brânzaș H.; Bruijn R.; Brunner J.; Busto J.; Caiffi B.; Calvo D.; Campion S.; Capone A.; Caramete L.; Carenini F.; Carr J.;

Carretero V.; Celli S.; Cerisy L.; Chabab M.; Chau T.N.; Cherkaoui El Moursli R.; Chiarusi T.; Circella M.; Coelho J.A.B.; Coleiro A.; Coniglione R.; Coyle P.; Creusot A.; Cruz A.S.M.; Díaz A.F.; De Martino B.; Distefano C.; Di Palma I.; Domi A.; Donzaud C.; Dornic D.; Drouhin D.; Eberl T.; Van Eeden T.; Van Eijk D.; El Hedri S.; El Khayati N.; Enzenhöfer A.; Fermani P.; Ferrara G.; Filippini F.; Fusco L.; Gagliardini S.; García J.; Gatius Oliver C.; Gay P.; Geißelbrecht N.; Glotin H.; Gozzini R.; Gracia Ruiz R.; Graf K.; Guidi C.; Haegel L.; Hallmann S.; Van Haren H.; Heijboer A.J.; Hello Y.; Hernández-Rey J.J.; Hößl J.; Hofestädt J.; Huang F.; Illuminati G.; James C.W.; Jisse-Jung B.; De Jong M.; De Jong P.; Kadler M.; Kalekin O.; Katz U.; Kouchner A.; Kreykenbohm I.; Kulikovskiy V.; Lahmann R.; Lamoureux M.; Lazo A.; Lefèvre D.; Leonora E.; Levi G.; Le Stum S.; Lopez-Coto D.. Search for neutrino counterparts to the gravitational wave sources from LIGO/Virgo O3 run with the ANTARES detector. Journal of Cosmology and Astroparticle Physics. 2023, 2023.

DOI: 10.1088/1475-7516/2023/04/004

Type of production: Scientific paper

Source of citations: SCOPUS **Citations:** 8

16 0000-0003-4617-6215; Hutschenreuter S.; Zehetner P.; Ensslin T.; Albert A.; Alves S.; André M.; Anghinolfi M.; Anton G.; Ardid M.; Aubert J.J.; Aublin J.; Baret B.; Basa S.; Belhorma B.; Bendahman M.; Bertin V.; Biagi S.; Bissinger M.; Boumaaza J.; Bouta M.; Bouwhuis M.C.; Brânzaș H.; Bruijn R.; Brunner J.; Busto J.; Caiffi B.; Capone A.; Caramete L.; Carr J.; Carretero V.; Celli S.; Chabab M.; Chau T.N.; El Moursli R.C.; Chiarusi T.; Circella M.; Coleiro A.; Colomer-Molla M.; Coniglione R.; Coyle P.; Creusot A.; Díaz A.F.; de Wasseige G.; Deschamps A.; Distefano C.; Di Palma I.; Domi A.; Donzaud C.; Dornic D.; Drouhin D.; Eberl T.; van Eeden T.; El Khayati N.; Enzenhöfer A.; Fermani P.; Ferrara G.; Filippini F.; Fusco L.; Gatelet Y.; Gay P.; Glotin H.; Gozzini R.; Gracia Ruiz R.; Graf K.; Guidi C.; Hallmann S.; van Haren H.; Heijboer A.J.; Hello Y.; Hernández-Rey J.J.; Hößl J.; Hofestädt J.; Huang F.; Illuminati G.; James C.W.; Jisse-Jung B.; de Jong M.; de Jong P.; Jongen M.; Kadler M.; Kalekin O.; Katz U.; Khan-Chowdhury N.R.; Kouchner A.; Kreykenbohm I.; Kulikovskiy V.; Lahmann R.; Le Breton R.; Lefèvre D.; Leonora E.; Levi G.; Lincetto M.; Lopez-Coto D.; Loucatos S.; Maderer L.; Manczak J.; Marcelin M.; Margiotta A.; Marinelli A.. Studying bioluminescence flashes with the ANTARES deep-sea neutrino telescope. Limnology and Oceanography: Methods. 21, pp. 734 - 760. 2023.

DOI: 10.1002/lom3.10578

Type of production: Scientific paper

Source of citations: SCOPUS **Citations:** 2

17 Real D.; 0000-0001-9596-7078; 0000-0002-2615-6586; 0000-0002-8610-8703; 0000-0002-5280-5770. The Neutrino Mediterranean Observatory Laser Beacon: Design and Qualification. Applied Sciences (Switzerland). 13, 2023.

DOI: 10.3390/app13179935

Type of production: Scientific paper

18 Diego Real; David Calvo; Antonio Díaz; Francisco Salesa Greus; Agustín Sánchez Losa. A Narrow Optical Pulse Emitter Based on LED: NOPELED. Sensors. 22 - 19, pp. 7683. 2022.

DOI: 10.3390/s22197683

Type of production: Scientific paper

19 Combined sensitivity of JUNO and KM3NeT/ORCA to the neutrino mass ordering. Journal of High Energy Physics. 03 - 055, 2022.

DOI: 10.1007/JHEP03(2022)055

Type of production: Scientific paper

20 S. Aiello et al. (KM3NeT Coll.). Determining the neutrino mass ordering and oscillation parameters with KM3NeT/ORCA. The European Physical Journal C. 82 - 26, 2022.

DOI: 10.1140/epjc/s10052-021-09893-0

Type of production: Scientific paper

21 S. Aiello et al. (KM3NeT Coll.). Implementation and first results of the KM3NeT real-time core-collapse supernova neutrino search. The European Physical Journal C. 82 - 317, 2022.
DOI: 10.1140/epjc/s10052-022-10137-y
Type of production: Scientific paper

22 S. Aiello et al. (KM3NeT Coll.). Nanobeacon: A time calibration device for the KM3NeT neutrino telescope. Nuclear Instruments and Methods in Physics Research Section A. 1040 - 167132, 2022.
DOI: 10.1016/j.nima.2022.167132
Type of production: Scientific paper

23 Juan José Hernández-Rey; Miguel Ardid; Manuel Bou Cabo; David Calvo; Antonio F. Díaz; Sara Rebecca Gozzini; Juan A. Martínez-Mora; Sergio Navas; Diego Real; Francisco Salesa Greus; Agustín Sánchez Losa; Juan de Dios Zornoza; Juan Zúñiga. Science with Neutrino Telescopes in Spain. Universe. 8 - 2, pp. 89. 2022.
DOI: 10.3390/universe8020089
Type of production: Scientific paper

24 A. Albert et al. (ANTARES Coll., IceCube Coll., Pierre Auger Coll. and Telescope Array Coll.). Search for Spatial Correlations of Neutrinos with Ultra-high-energy Cosmic Rays. The Astrophysical Journal. 934 - 164, 2022.
DOI: 10.3847/1538-4357/ac6def
Type of production: Scientific paper

25 A. Albert et al. (ANTARES Coll.). Search for magnetic monopoles with ten years of the ANTARES neutrino telescope. Journal of High Energy Astrophysics. 34, pp. 1 - 8. 2022.
DOI: 10.1016/j.jheap.2022.03.001
Type of production: Scientific paper

26 A. Albert et al. (ANTARES Coll.). Search for non-standard neutrino interactions with 10 years of ANTARES data. Journal of High Energy Physics. 07 - 048, 2022.
DOI: 10.1007/JHEP07(2022)048
Type of production: Scientific paper

27 A. Albert et al. (ANTARES Coll.). Search for secluded dark matter towards the Galactic Centre with the ANTARES neutrino telescope. Journal of Cosmology and Astroparticle Physics. 06 - 028, 2022.
DOI: 10.1088/1475-7516/2022/06/028
Type of production: Scientific paper

28 A. Albert et al. (ANTARES Coll.). Search for solar atmospheric neutrinos with the ANTARES neutrino telescope. Journal of Cosmology and Astroparticle Physics. 06 - 018, 2022.
DOI: 10.1088/1475-7516/2022/06/018
Type of production: Scientific paper

29 S. Aiello et al. (KM3NeT Coll.). The KM3NeT multi-PMT optical module. Journal of Instrumentation. 17 - P07038, 2022.
DOI: 10.1088/1748-0221/17/07/P07038
Type of production: Scientific paper

30 A. Albert et al. (ANTARES Coll.). ANTARES Search for Point Sources of Neutrinos Using Astrophysical Catalogs: A Likelihood Analysis (ANTARES Collaboration), and. The Astrophysical Journal. 911 - 48, 2021.
DOI: 10.3847/1538-4357/abe53c
Type of production: Scientific paper

31 A. Albert et al. (ANTARES Coll.). ANTARES upper limits on the multi-TeV neutrino emission from the GRBs detected by IACTs. Journal of Cosmology and Astroparticle Physics. 03 - 092, 2021.
DOI: 10.1088/1475-7516/2021/03/092
Type of production: Scientific paper

32 S. Aiello et al. (KM3NeT Coll.). Architecture and performance of the KM3NeT front-end firmware. Journal of Astronomical Telescopes, Instruments and Systems. 7(1) - 016001, 2021.
DOI: 10.1117/1.JATIS.7.1.016001
Type of production: Scientific paper

33 A. Albert et al. (ANTARES Coll.). Constraining the contribution of Gamma-Ray Bursts to the high-energy diffuse neutrino flux with 10 yr of ANTARES data. Monthly Notices of the Royal Astronomical Society. 500, pp. 5614 - 5628. 2021.
DOI: 10.1093/mnras/staa3503
Type of production: Scientific paper

34 A. Albert et al. (ANTARES Coll.). Measurement of the atmospheric v<inf>e</inf> and v<inf>μ</inf> energy spectra with the ANTARES neutrino telescope. Physics Letters B. 816 - 136228, 2021.
DOI: 10.1016/j.physletb.2021.136228
Type of production: Scientific paper

35 A. Albert et al. (ANTARES Coll.). Monte Carlo simulations for the ANTARES underwater neutrino telescope. Journal of Cosmology and Astroparticle Physics. 01 - 064, 2021.
DOI: 10.1088/1475-7516/2021/01/064
Type of production: Scientific paper

36 Francisco Salesa Greus; Agustín Sánchez Losa. Multimessenger Astronomy with Neutrinos. Universe. 7 - 11, pp. 397. 2021.
DOI: 10.3390/universe7110397
Type of production: Scientific paper

37 Search for Neutrinos from the Tidal Disruption Events AT2019dsg and AT2019fdr with the ANTARES Telescope. The Astrophysical Journal. 920 - 50, 2021.
DOI: 10.3847/1538-4357/ac16d6
Type of production: Scientific paper

38 S. Aiello et al. (KM3NeT Coll.). Sensitivity to light sterile neutrino mixing parameters with KM3NeT/ORCA. Journal of High Energy Physics. 10 - 180, 2021.
DOI: 10.1007/JHEP10(2021)180
Type of production: Scientific paper

39 S. Aiello et al. (KM3NeT Coll.). The KM3NeT potential for the next core-collapse supernova observation with neutrinos. The European Physical Journal C. 81 - 445, 2021.
DOI: 10.1140/epjc/s10052-021-09187-5
Type of production: Scientific paper

40 A. Albert et al. (ANTARES Coll. and IceCube Coll.). ANTARES and IceCube Combined Search for Neutrino Point-like and Extended Sources in the Southern Sky. The Astrophysical Journal. 892 - 92, 2020.
DOI: 10.3847/1538-4357/ab7afb
Type of production: Scientific paper

41 A. Albert et al. (ANTARES Coll. and IceCube Coll.). Combined search for neutrinos from dark matter self-annihilation in the Galactic Center with ANTARES and IceCube. Physical Review D. 102 - 082002, 2020.
DOI: 10.1103/PhysRevD.102.082002
Type of production: Scientific paper

42 S. Aiello et al. (KM3NeT Coll.). Deep-sea deployment of the KM3NeT neutrino telescope detection units by self-unrolling. Journal of Instrumentation. 15 - P11027, 2020.
DOI: 10.1088/1748-0221/15/11/P11027
Type of production: Scientific paper

43 M. Ageron et al. (KM3NeT Coll.). Dependence of atmospheric muon flux on seawater depth measured with the first KM3NeT detection units: The KM3NeT Collaboration. The European Physical Journal C. 80 - 99, 2020.
DOI: 10.1140/epjc/s10052-020-7629-z
Type of production: Scientific paper

44 KM3NeT Coll. (S. Aiello et al.). Event reconstruction for KM3NeT/ORCA using convolutional neural networks. Journal of Instrumentation. 15 - P10005, 2020.
DOI: 10.1088/1748-0221/15/10/P10005
Type of production: Scientific paper **Format:** Journal

45 ANTARES Coll. (A. Albert et al.). Model-independent search for neutrino sources with the ANTARES neutrino telescope. Astroparticle Physics. 114, pp. 35 - 47. 2020.
DOI: 10.1016/j.astropartphys.2019.06.003
Type of production: Scientific paper **Format:** Journal

46 A. Albert et al. (ANTARES Coll.). Observation of the cosmic ray shadow of the Sun with the ANTARES neutrino telescope. Physical Review D. 102 - 122007, 2020.
DOI: 10.1103/PhysRevD.102.122007
Type of production: Scientific paper

47 A. Albert et al. (ANTARES Coll.). Search for dark matter towards the Galactic Centre with 11 years of ANTARES data. Physics Letters B. 805 - 135439, 2020.
DOI: 10.1016/j.physletb.2020.135439
Type of production: Scientific paper

48 A. Albert et al. (ANTARES Coll.). Search for neutrino counterparts of gravitational-wave events detected by LIGO and Virgo during run O2 with the ANTARES telescope. The European Physical Journal C. 80 - 487, 2020.
DOI: 10.1140/epjc/s10052-020-8015-6
Type of production: Scientific paper

49 S. Aiello et al. (KM3NeT Coll.). The Control Unit of the KM3NeT Data Acquisition System. Computer physics communications. 256 - 107433, 2020.
DOI: 10.1016/j.cpc.2020.107433
Type of production: Scientific paper

50 S. Aiello et al. (KM3NeT Coll.). gSeaGen: The KM3NeT GENIE-based code for neutrino telescopes. Computer physics communications. 256 - 107477, 2020.
DOI: 10.1016/j.cpc.2020.107477
Type of production: Scientific paper

51 including ANTARES Coll. (H. A. Ayala Solares et al.). A Search for Cosmic Neutrino and Gamma-Ray Emitting Transients in 7.3 yr of ANTARES and Fermi LAT Data. The Astrophysical Journal. 886, pp. 98. 2019.
DOI: 10.3847/1538-4357/ab4a74
Type of production: Scientific paper **Format:** Journal

52 ANTARES Coll. (A. Albert et al.). ANTARES Neutrino Search for Time and Space Correlations with IceCube High-energy Neutrino Events. The Astrophysical Journal. 879, pp. 108. 2019.
DOI: 10.3847/1538-4357/ab253c
Type of production: Scientific paper **Format:** Journal

53 KM3NeT Coll. (S. Aiello et al.). KM3NeT front-end and readout electronics system: hardware, firmware, and software. Journal of Astronomical Telescopes, Instruments and Systems. 5 - 4, pp. 046001. 2019.
DOI: 10.1117/1.JATIS.5.4.046001
Type of production: Scientific paper **Format:** Journal

54 ANTARES Coll. (A. Albert et al.). Measuring the atmospheric neutrino oscillation parameters and constraining the 3+1 neutrino model with ten years of ANTARES data. Journal of High Energy Physics. 06, pp. 113. 2019.
DOI: 10.1007/JHEP06(2019)113
Type of production: Scientific paper **Format:** Journal

55 ANTARES Coll., IceCube Coll., LIGO Scientific Coll. and Virgo Coll. (A. Albert et al.). Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube. The Astrophysical Journal. 870, pp. 134. 2019.
DOI: 10.3847/1538-4357/aaf21d
Type of production: Scientific paper **Format:** Journal

56 KM3NeT Coll. (S. Aiello et al.). Sensitivity of the KM3NeT/ARCA neutrino telescope to point-like neutrino sources. Astroparticle Physics. 111, pp. 100 - 110. 2019.
DOI: 10.1016/j.astropartphys.2019.04.002
Type of production: Scientific paper **Format:** Journal

57 ANTARES Coll. (A. Albert et al.). All-flavor Search for a Diffuse Flux of Cosmic Neutrinos with Nine Years of ANTARES Data. The Astrophysical Journal Letters. 853 - L7, pp. 5. 2018.
DOI: 10.3847/2041-8213/aaa4f6
Type of production: Scientific paper **Format:** Journal

58 KM3NeT Coll. (S. Aiello et al.). Characterisation of the Hamamatsu photomultipliers for the KM3NeT Neutrino Telescope. Journal of Instrumentation. 13 - P05035, 2018.
DOI: 10.1088/1748-0221/13/05/P05035
Type of production: Scientific paper **Format:** Journal

59 ANTARES Coll. and IceCube Coll. (A. Albert et al.). Joint Constraints on Galactic Diffuse Neutrino Emission from the ANTARES and IceCube Neutrino Telescopes. The Astrophysical Journal Letters. 868 - L20, 2018.
DOI: 10.3847/2041-8213/aaeecf
Type of production: Scientific paper **Format:** Journal

60 ANTARES Coll. (A. Albert et al.). Long-term monitoring of the ANTARES optical module efficiencies using 40K decays in sea water. The European Physical Journal C. 78 - 669, 2018.
DOI: 10.1140/epjc/s10052-018-6132-2
Type of production: Scientific paper **Format:** Journal

61 S. Bhandari et al. (including ANTARES Coll.). The SUrvey for Pulsars and Extragalactic Radio Bursts – II. New FRB discoveries and their follow-up. Monthly Notices of the Royal Astronomical Society. 475, pp. 1427 - 1446. 2018.
DOI: 10.1093/mnras/stx3074
Type of production: Scientific paper **Format:** Journal

62 ANTARES Coll. (A. Albert et al.). The Search for Neutrinos from TXS 0506+056 with the ANTARES Telescope. The Astrophysical Journal Letters. 863 - L30, pp. 5. 2018.
DOI: 10.3847/2041-8213/aad8c0
Type of production: Scientific paper **Format:** Journal

63 ANTARES Coll. (A. Albert et al.). The cosmic ray shadow of the Moon observed with the ANTARES neutrino telescope. The European Physical Journal C. 78 - 1006, 2018.
DOI: 10.1140/epjc/s10052-018-6451-3
Type of production: Scientific paper **Format:** Journal

64 ANTARES Coll. (A. Albert et al.). The search for high-energy neutrinos coincident with fast radio bursts with the ANTARES neutrino telescope. Monthly Notices of the Royal Astronomical Society. 482, pp. 184 - 193. 2018.
DOI: 10.1093/mnras/sty2621
Type of production: Scientific paper **Format:** Journal

65 HESS Coll. and ANTARES Coll. (E. Petroff et al.). A polarized fast radio burst at low Galactic latitude. Monthly Notices of the Royal Astronomical Society. 469, pp. 4465 - 4482. 2017.
DOI: 10.1093/mnras/stx1098
Type of production: Scientific paper **Format:** Journal

66 ANTARES Coll. (A. Albert et al.). All-sky search for high-energy neutrinos from gravitational wave event GW170104 with the Antares neutrino telescope. The European Physical Journal C. 77 - 911, 2017.
DOI: 10.1140/epjc/s10052-017-5451-z
Type of production: Scientific paper **Format:** Journal

67 ANTARES Coll. (A. Albert et al.). An Algorithm for the Reconstruction of Neutrino-induced Showers in the ANTARES Neutrino Telescope. The Astronomical Journal. 154, pp. 275. 2017.
DOI: 10.3847/1538-3881/aa9709
Type of production: Scientific paper **Format:** Journal

68 ANTARES Coll. (A. Albert et al.). An algorithm for the reconstruction of high-energy neutrino-induced particle showers and its application to the ANTARES neutrino telescope. The European Physical Journal. 77 - 419, 2017.
DOI: 10.1140/epjc/s10052-017-4979-2
Type of production: Scientific paper **Format:** Journal

69 ANTARES Coll. (X. Durrieu de Madron et al.). Deep sediment resuspension and thick nepheloid layer generation by open-ocean convection. Journal of Geophysical Research Oceans. 122 - 3, pp. 2291 - 2318. 2017.
DOI: 10.1002/2016JC012062
Type of production: Scientific paper **Format:** Journal

70 ANTARES Coll. (A. Albert et al.). First all-flavor neutrino pointlike source search with the ANTARES neutrino telescope. Physical Review D. 96 - 082001, 2017.
DOI: 10.1103/PhysRevD.96.082001
Type of production: Scientific paper **Format:** Journal

71 KM3NeT Coll. (S. Adrián-Martínez et al.). Intrinsic limits on resolutions in muon- and electron-neutrino charged-current events in the KM3NeT/ORCA detector. Journal of High Energy Physics. 05, pp. 008. 2017.
DOI: 10.1007/JHEP05(2017)008
Type of production: Scientific paper **Format:** Journal

72 B. P. Abbott et al. (including ANTARES Coll.). Multi-messenger Observations of a Binary Neutron Star Merger. The Astrophysical Journal Letters. 848 - L12, pp. 59. 2017.
DOI: 10.3847/2041-8213/aa91c9
Type of production: Scientific paper **Format:** Journal

73 ANTARES Coll. (A. Albert et al.). New constraints on all flavor Galactic diffuse neutrino emission with the ANTARES telescope. Physical Review D. 96 - 062001, 2017.
DOI: 10.1103/PhysRevD.96.062001
Type of production: Scientific paper **Format:** Journal

74 ANTARES Coll. (A. Albert et al.). Results from the search for dark matter in the Milky Way with 9 years of data of the ANTARES neutrino telescope. Physics Letters B. 769 - 249, 2017.
DOI: 10.1016/j.physletb.2017.03.063
Type of production: Scientific paper **Format:** Journal

75 ANTARES Coll. (A. Albert et al.). Search for Dark Matter Annihilation in the Earth using the ANTARES Neutrino Telescope. Physics of the Dark Universe. 16, pp. 41 - 48. 2017.
DOI: 10.1016/j.dark.2017.04.005
Type of production: Scientific paper **Format:** Journal

76 A. Albert et al. (including ANTARES Coll.). Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. The Astrophysical Journal Letters. 850 - L35, pp. 18. 2017.
DOI: 10.3847/2041-8213/aa9aed
Type of production: Scientific paper **Format:** Journal

77 ANTARES Coll., IceCube Coll., LIGO Scientific Coll. and Virgo Coll. (A. Albert et al.). Search for High-energy Neutrinos from Gravitational Wave Event GW151226 and Candidate LVT151012 with ANTARES and IceCube. Physical Review D. 96 - 022005, 2017.
DOI: 10.1103/PhysRevD.96.022005
Type of production: Scientific paper **Format:** Journal

78 ANTARES Coll. (A. Albert et al.). Search for high-energy neutrinos from bright GRBs with ANTARES. Monthly Notices of the Royal Astronomical Society. 469, pp. 906 - 915. 2017.
DOI: 10.1093/mnras/stx902
Type of production: Scientific paper **Format:** Journal

79 ANTARES Coll. (A. Albert et al.). Search for relativistic magnetic monopoles with five years of the ANTARES detector data. Journal of High Energy Physics. 07 - 054, 2017.
DOI: 10.1007/JHEP07(2017)054
Type of production: Scientific paper **Format:** Journal

80 ANTARES Coll. (M. André et al.). Sperm whale long-range echolocation sounds revealed by ANTARES, a deep-sea neutrino telescope. Scientific Reports. 7 - 45517, 2017.
DOI: 10.1038/srep45517
Type of production: Scientific paper **Format:** Journal

81 ANTARES Coll. (A. Albert et al.). Stacked search for time shifted high energy neutrinos from gamma ray bursts with the ANTARES neutrino telescope. The European Physical Journal C. 77 - 20, 2017.
DOI: 10.1140/epjc/s10052-016-4496-8
Type of production: Scientific paper **Format:** Journal

82 ANTARES Coll. (A. Albert et al.). Time-dependent search for neutrino emission from x-ray binaries with the ANTARES telescope. Journal of Cosmology and Astroparticle Physics. 10, pp. 019. 2017.
DOI: 10.1088/1475-7516/2017/04/019
Type of production: Scientific paper **Format:** Journal

83 KM3NeT Coll. (S. Adrián-Martínez et al.). A method to stabilise the performance of negatively fed KM3NeT photomultipliers. Journal of Instrumentation. 11 - P12014, 2016.
DOI: 10.1088/1748-0221/11/12/P12014
Type of production: Scientific paper **Format:** Journal

84 ANTARES Coll. (S. Adrián-Martínez et al.). A search for Secluded Dark Matter in the Sun with the ANTARES neutrino telescope. Journal of Cosmology and Astroparticle Physics. 05, pp. 016. 2016.
DOI: 10.1088/1475-7516/2016/05/016
Type of production: Scientific paper **Format:** Journal

85 ANTARES Coll. (S. Adrián-Martínez et al.). Constraints on the neutrino emission from the Galactic Ridge with the ANTARES telescope. Physics Letters B. 760, pp. 143. 2016.
DOI: 10.1016/j.physletb.2016.06.051
Type of production: Scientific paper **Format:** Journal

86 ANTARES Coll., IceCube Coll., LIGO Scientific Coll. and Virgo Coll. (S. Adrián-Martínez et al.). High-energy Neutrino follow-up search of Gravitational Wave Event GW150914 with ANTARES and IceCube. Physical Review D. 93 - 122010, 2016.
DOI: 10.1103/PhysRevD.93.122010
Type of production: Scientific paper **Format:** Journal

87 KM3NeT Coll. (S. Adrián-Martínez et al.). Letter of intent for KM3NeT 2.0. Journal of Physics G. 43 - 084001, 2016.
DOI: 10.1088/0954-3899/43/8/084001
Type of production: Scientific paper **Format:** Journal

88 ANTARES Coll. (S. Adrián-Martínez et al.). Limits on Dark Matter Annihilation in the Sun using the ANTARES Neutrino Telescope. Physics Letters B. 759, pp. 69 - 74. 2016.
DOI: 10.1016/j.physletb.2016.05.019
Type of production: Scientific paper **Format:** Journal

89 MWA Coll. and ANTARES Coll. (S. Croft et al.). Murchison Widefield Array Limits on Radio Emission from ANTARES Neutrino Events. The Astrophysical Journal. 829 - 2, pp. L24. 2016.
DOI: 10.3847/2041-8205/820/2/L24
Type of production: Scientific paper **Format:** Journal

90 ANTARES Coll. (S. Adrián-Martínez et al.). Optical and X-ray early follow-up of ANTARES neutrino alerts. Journal of Cosmology and Astroparticle Physics. 02, pp. 062. 2016.
DOI: 10.1088/1475-7516/2016/02/062
Type of production: Scientific paper **Format:** Journal

91 ANTARES Coll. and IceCube Coll. (S. Adrián-Martínez et al.). The First Combined Search for Neutrino Point-sources in the Southern Hemisphere With the Antares and Icecube Neutrino Telescopes. The Astrophysical Journal. 823, pp. 65. 2016.
DOI: 10.3847/0004-637X/823/1/65
Type of production: Scientific paper **Format:** Journal

92 ANTARES Coll. (S. Adrián-Martínez et al.). Time calibration with atmospheric muon tracks in the ANTARES neutrino telescope. Astroparticle Physics. 78, pp. 43 - 51. 2016.
DOI: 10.1016/j.astropartphys.2016.02.001
Type of production: Scientific paper **Format:** Journal

93 ANTARES Coll. (S. Adrián-Martínez et al.). ANTARES Constrains a Blazar Origin of Two IceCube PeV Neutrino Events. Astronomy & Astrophysics. 576 - L8, 2015.
DOI: 10.1051/0004-6361/201525670
Type of production: Scientific paper **Format:** Journal

94 ANTARES Coll. (S. Adrián-Martínez et al.). Search for muon-neutrino emission from GeV and TeV gamma-ray flaring blazars using five years of data of the ANTARES telescope. Journal of Cosmology and Astroparticle Physics. 12, pp. 014. 2015.
DOI: 10.1088/1475-7516/2015/12/014
Type of production: Scientific paper **Format:** Journal

95 ANTARES Coll. (S. Adrián-Martínez et al.). Search of Dark Matter Annihilation in the Galactic Centre using the ANTARES Neutrino Telescope. Journal of Cosmology and Astroparticle Physics. 10, pp. 068. 2015.
DOI: 10.1088/1475-7516/2015/10/068
Type of production: Scientific paper **Format:** Journal

96 ANTARES Coll. (S. Adrián-Martínez et al.). A Search for Neutrino Emission from the Fermi Bubbles with the ANTARES Telescope. The European Physical Journal C. 74 - 2701, 2014.
DOI: 10.1016/j.nima.2013.11.096
Type of production: Scientific paper **Format:** Journal

97 ANTARES Coll. (S. Adrián-Martínez et al.). A Search for Time Dependent Neutrino Emission from Microquasars with the ANTARES Telescope. Journal of High Energy Astrophysics. 3-4, pp. 9 - 17. 2014.
DOI: 10.1016/j.jheap.2014.06.002
Type of production: Scientific paper **Format:** Journal

98 ANTARES Coll. (S. Adrián-Martínez et al.). Constraining the neutrino emission of gravitationally lensed Flat-Spectrum Radio Quasars with ANTARES data. Journal of Cosmology and Astroparticle Physics. 11, pp. 017. 2014.
DOI: 10.1088/1475-7516/2014/11/017
Type of production: Scientific paper **Format:** Journal

99 Hans van Haren; ANTARES Coll. (S. Adrián-Martínez et al.). High-frequency internal wave motions at the ANTARES site in the deep Western Mediterranean. Ocean Dynamics. 64 - 4, pp. 507 - 517. 2014.
DOI: 10.1007/s10236-014-0702-0
Type of production: Scientific paper **Format:** Journal

100 ANTARES Coll. (S. Adrián-Martínez et al.). Searches for Point-like and extended neutrino sources close to the Galactic Centre using the ANTARES neutrino Telescope. The Astrophysical Journal Letters. 786 - L5, pp. L14 - L19. 2014.
DOI: 10.1088/2041-8205/786/1/L5
Type of production: Scientific paper **Format:** Journal

101 ANTARES Coll. (S. Adrián-Martínez et al.). Searches for clustering in the time integrated skymap of the ANTARES neutrino telescope. Journal of Cosmology and Astroparticle Physics. 05, pp. 001. 2014.
DOI: 10.1088/1475-7516/2014/05/001
Type of production: Scientific paper **Format:** Journal

102 ANTARES Coll. (S. Adrián-Martínez et al.). A First Search for coincident Gravitational Waves and High Energy Neutrinos using LIGO, Virgo and ANTARES data from 2007. Journal of Cosmology and Astroparticle Physics. 06, pp. 008. 2013.
DOI: 10.1088/1475-7516/2013/06/008
Type of production: Scientific paper **Format:** Journal

103 ANTARES Coll. (C. Tamburini et al.). Deep-Sea Bioluminescence Blooms after Dense Water Formation at the Ocean Surface. Public Library of Science one. 8 - e67523, 2013.
DOI: 10.1371/journal.pone.0067523
Type of production: Scientific paper **Format:** Journal

104 ANTARES Coll. (S. Adrián-Martínez et al.). First results on dark matter annihilation in the Sun using the ANTARES neutrino telescope. Journal of Cosmology and Astroparticle Physics. 11, pp. 032. 2013.
DOI: 10.1088/1475-7516/2013/11/032
Type of production: Scientific paper **Format:** Journal

105 ANTARES Coll. (S. Adrián-Martínez et al.). First search for neutrinos in correlation with gamma-ray bursts with the ANTARES neutrino telescope. Journal of Cosmology and Astroparticle Physics. 1303 - 006, 2013.
DOI: 10.1088/1475-7516/2013/03/006
Type of production: Scientific paper **Format:** Journal

106 ANTARES Coll. (S. Adrián-Martínez et al.). Measurement of the atmospheric ν_{μ} energy spectrum from 100 GeV to 200 TeV with the ANTARES telescope. The European Physical Journal C. 73 - 2606, 2013.
DOI: 10.1140/epjc/s10052-013-2606-4
Type of production: Scientific paper **Format:** Journal

107 ANTARES Coll. (S. Adrián-Martínez et al.). Search for a correlation between ANTARES neutrinos and Pierre Auger Observatory UHECRs arrival directions. The Astrophysical Journal. 774 - 19, 2013.
DOI: 10.1088/0004-637X/774/1/19
Type of production: Scientific paper **Format:** Journal

108 ANTARES Coll. (S. Adrián-Martínez et al.). Search for muon neutrinos from gamma-ray bursts with the ANTARES neutrino telescope using 2008 to 2011 data. Astronomy & Astrophysics. 559 - A9, 2013.
DOI: 10.1051/0004-6361/201322169
Type of production: Scientific paper **Format:** Journal

109 ANTARES Coll. (J. A. Aguilar et al.). A method for detection of muon induced electromagnetic showers with the ANTARES detector. Nuclear Instruments and Methods in Physics Research Section A. 675, pp. 56 - 62. 2012.
DOI: 10.1016/j.nima.2012.01.060
Type of production: Scientific paper **Format:** Journal

110 ANTARES Coll. (S. Adrián-Martínez et al.). Measurement of Atmospheric Neutrino Oscillations with the ANTARES Neutrino Telescope. Physics Letters B. 714 - 2-5, pp. 224 - 230. 2012.
DOI: 10.1016/j.physletb.2012.07.002
Type of production: Scientific paper **Format:** Journal

111 ANTARES Coll. (S. Adrián-Martínez et al.). Measurement of the Group Velocity of Light in Sea Water at the ANTARES Site. Astroparticle Physics. 35, pp. 552 - 557. 2012.
DOI: 10.1016/j.astropartphys.2011.12.003
Type of production: Scientific paper **Format:** Journal

112 ANTARES Coll. (S. Adrián-Martínez et al.). Search for Cosmic Neutrino Point Sources with Four Year Data of the ANTARES Telescope. The Astrophysical Journal. 760 - 53, 2012.
DOI: 10.1088/0004-637X/760/1/53
Type of production: Scientific paper **Format:** Journal

113 ANTARES Coll. (S. Adrián-Martínez et al.). Search for Neutrino Emission from Gamma-Ray Flaring Blazars with the ANTARES Telescope. Astroparticle Physics. 36 - 1, pp. 204 - 210. 2012.
DOI: 10.1016/j.astropartphys.2012.06.001
Type of production: Scientific paper **Format:** Journal

114 ANTARES Coll. (S. Adrián-Martínez et al.). Search for Relativistic Magnetic Monopoles with the ANTARES Neutrino Telescope. Astroparticle Physics. 35, pp. 634 - 640. 2012.
DOI: 10.1016/j.astropartphys.2012.02.007
Type of production: Scientific paper **Format:** Journal

115 ANTARES Coll. (M. Ageron et al.). The ANTARES Telescope Neutrino Alert System. Astroparticle Physics. 35, pp. 530 - 536. 2012.
DOI: 10.1016/j.astropartphys.2011.11.011
Type of production: Scientific paper **Format:** Journal

116 ANTARES Coll. (S. Adrián-Martínez et al.). The Positioning System of the ANTARES Neutrino Telescope. Journal of Instrumentation. 7 - T08002, 2012.
DOI: 10.1088/1748-0221/7/08/T08002
Type of production: Scientific paper **Format:** Journal

117 ANTARES Coll. (S. Adrián-Martínez et al.). First Search for Point Sources of High Energy Cosmic Neutrinos with the ANTARES Neutrino Telescope. The Astrophysical Journal Letters. 743, pp. L14 - L19. 2011.
DOI: 10.1088/2041-8205/743/1/L14
Type of production: Scientific paper **Format:** Journal

118 Carlos J. Zapata-Rodríguez; Agustín Sánchez-Losa. Three-dimensional field distribution in the focal region of low-Fresnel-number axicons. Journal of the Optical Society of America A. 23 - 12, pp. 3016 - 3026. 2006.
DOI: 10.1364/JOSAA.23.003016
Type of production: Scientific paper **Format:** Journal

Works submitted to national or international conferences

1 **Title of the work:** KM3NeT Time calibration with Nanobeacons
Name of the conference: 38th International Cosmic Ray Conference (ICRC2023)
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Nagoya, Japan
Date of event: 26/07/2023
End date: 03/08/2023

A. Sánchez Losa; J. Palacios Gonzalez; F. Salesa Greus; J. Zúñiga Román; D. Real Máñez; D. Calvo Díaz-Aldagalán. Proceedings of Science, Available on-line at: <https://doi.org/10.22323/1.444.1062>.

2 **Title of the work:** Multi-messenger Astronomy with High-Energy Neutrinos
Name of the conference: COST QGMM Workshop 2022
Type of event: Workshop
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes
City of event: Naples, Campania, Italy
Date of event: 11/07/2022
End date: 12/07/2022
Publication in conference proceedings: No
Agustín Sánchez Losa.

3 **Title of the work:** Status and Prospects of Mediterranean Neutrino Telescopes: KM3NeT & ANTARES
Name of the conference: 30th Texas Symposium on Relativistic Astrophysics
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Portsmouth, Hampshire and Isle of Wight, United Kingdom
Date of event: 15/12/2019
End date: 20/12/2019
Publication in conference proceedings: No
Agustín Sánchez Losa.

4 **Title of the work:** Latest results on high-energy cosmic neutrino searches with the ANTARES neutrino telescope
Name of the conference: Ultra High Energy Cosmic Rays 2018
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Paris, Île de France, France
Date of event: 08/10/2018
End date: 12/10/2018
Publication in conference proceedings: Yes
Agustín Sánchez Losa. The European Physical Journal Web of Conferences,
DOI: 10.1051/epjconf/201921003004

5 **Title of the work:** Time-dependent search of neutrino emission from X-ray and gamma-ray binaries with the ANTARES telescope
Name of the conference: 35th International Cosmic Ray Conference (ICRC 2017)
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Busan, Republic of Korea
Date of event: 12/07/2017
End date: 20/07/2017
Publication in conference proceedings: Yes
Agustín Sánchez Losa; Damien Dornic; Alexis Coleiro. Proceedings of Science, Available on-line at: <https://pos.sissa.it/301/971/pdf>.

6 **Title of the work:** Time-dependent search of neutrino emission from bright gamma-ray flaring blazars with the ANTARES telescope
Name of the conference: 35th International Cosmic Ray Conference (ICRC 2017)
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Busan, Republic of Korea
Date of event: 12/07/2017
End date: 20/07/2017
Publication in conference proceedings: Yes
Agustín Sánchez Losa; Damien Dornic. Proceedings of Science, Available on-line at: <https://pos.sissa.it/301/970/pdf>.

7 **Title of the work:** Results from the ANTARES Neutrino Telescope
Name of the conference: Roma International Conference on Astroparticle Physics 2016 (RICAP-16)
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Frascati, Lazio, Italy
Date of event: 21/06/2016
End date: 24/06/2016
Publication in conference proceedings: Yes
Agustín Sánchez Losa. The European Physical Journal Web of Conferences,
DOI: 10.1051/epjconf/201713604002

8 **Title of the work:** Time-dependent search of high energy cosmic neutrinos from variable Blazars with the ANTARES telescope
Name of the conference: 34th International Cosmic Ray Conference (ICRC 2015)
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: The Hague, Zuid-Holland, Holland
Date of event: 30/07/2015
End date: 06/08/2015
Publication in conference proceedings: Yes
Damien Dornic; Agustín Sánchez Losa. Proceedings of Science, Available on-line at: <https://pos.sissa.it/236/1075/pdf>.

9 **Title of the work:** Time-dependent search of neutrino emission from X-ray binaries with the ANTARES telescopes
Name of the conference: 34th International Cosmic Ray Conference (ICRC 2015)
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: The Hague, Zuid-Holland, Holland
Date of event: 30/07/2015
End date: 06/08/2015
Publication in conference proceedings: Yes
Damien Dornic; Agustín Sánchez Losa. Proceedings of Science, Available on-line at: <https://pos.sissa.it/236/1046/pdf>.

10 **Title of the work:** Search of a neutrino signal with the ANTARES telescope based on multi-messenger analyses
Name of the conference: Astroparticle Physics 2014: TeV Particle Astrophysics and Identification of Dark Matter
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Amsterdam, Noord-Holland, Holland
Date of event: 23/06/2014
End date: 28/06/2014
Agustín Sánchez Losa. Available on-line at: <https://indico.cern.ch/event/278032/contributions/1623710/>.

11 **Title of the work:** Search for neutrino emission in gamma-ray flaring blazars with the ANTARES telescope
Name of the conference: XXXIV Reunión Bienal de la Real Soceidad Española de Física (Bienal 2013)
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Valencia, Valencian Community, Spain
Date of event: 15/07/2013
End date: 19/07/2013
Publication in conference proceedings: Yes
Agustín Sánchez Losa. 725, pp. 60 - 63. ISBN 978-84-616-5607-3

12 **Title of the work:** Search for neutrino emission of gamma-ray flaring blazars with the ANTARES telescope
Name of the conference: 33th International Cosmic Ray Conference (ICRC 2013)
Type of event: Conference
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Rio de Janeiro, Brazil
Date of event: 02/07/2013
End date: 09/07/2013
Publication in conference proceedings: Yes
Damien Dornic; Agustín Sánchez Losa. Brazilian Journal of Physics, ISBN 978-85-89064-29-3

13 **Title of the work:** Transient Point Source Analyses in the ANTARES Neutrino Telescope
Name of the conference: Roma International Conference on Astroparticle Physics 2016 (RICAP-16)
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Rome, Lazio, Italy
Date of event: 22/05/2013
End date: 24/05/2013
Publication in conference proceedings: Yes
Agustín Sánchez Losa. 742, pp. 195 - 198. Nuclear Instruments and Methods in Physics Research Section A,
DOI: 10.1016/j.nima.2013.11.096

14 **Title of the work:** Search for neutrino emission in gamma-ray flaring blazars with the ANTARES telescope
Name of the conference: International Workshop on Very Large Volume Neutrino Telescopes 2011 (VLVnT11)
Type of event: Conference

Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Erlangen, Germany
Date of event: 12/10/2011
End date: 14/10/2011
Publication in conference proceedings: Yes
Agustín Sánchez Losa. 725, pp. 60 - 63. Nuclear Instruments and Methods in Physics Research Section A,
DOI: 10.1016/j.nima.2012.11.163

Science Outreach activities

1 **Title of the work:** Observa el Universo desde las profundidades del mar: Telescopios de neutrinos
Name of the event: Expociencia 2024
Type of event: Fairs and exhibitions
City of event: Paterna, Valencian Community, Spain
Date of event: 11/05/2024
Organising entity: Universitat de València **Type of entity:** University

2 **Title of the work:** Observa el Universo desde las profundidades del mar: Telescopios de neutrinos
Name of the event: Expociencia 2023
Type of event: Fairs and exhibitions
City of event: Paterna, Valencian Community, Spain
Date of event: 06/05/2023
Organising entity: Universitat de València **Type of entity:** University

3 **Title of the work:** Observa el Universo desde las profundidades del mar: Telescopios de neutrinos
Name of the event: Expociencia 2022
Type of event: Fairs and exhibitions
City of event: Paterna, Valencian Community, Spain
Date of event: 28/05/2022
Organising entity: Universitat de València **Type of entity:** University

4 **Title of the work:** PACK? SÌ, GRAZIE!
Name of the event: European Researchers' Night - Apulia
Type of event: Fairs and exhibitions
City of event: Bari, Puglia, Italy
Date of event: 27/09/2019
Organising entity: European Commission (Horizon 2020)
Available on-line at: <https://www.laricercaviendinotte.it/bari/pack-si-grazie/>.

5 **Title of the work:** KM3NeT, un telescopio sotto il mare
Name of the event: European Researchers' Night - Apulia
Type of event: Fairs and exhibitions
City of event: Bari, Puglia, Italy
Date of event: 28/09/2018
Organising entity: European Commission (UE-H2020-MSCA-NIGHT-2018, Grant No. 818783)

6 **Title of the work:** Observa el Universo desde las profundidades del mar: Telescopios de neutrinos
Name of the event: Expociencia 2015
Type of event: Fairs and exhibitions

City of event: Paterna, Valencian Community, Spain
Date of event: 30/05/2015
Organising entity: Universitat de València **Type of entity:** University

7 **Title of the work:** Observa el Universo desde las profundidades del mar: Telescopios de neutrinos
Name of the event: Expociencia 2014
Type of event: Fairs and exhibitions
City of event: Paterna, Valencian Community, Spain
Date of event: 24/05/2014
Organising entity: Universitat de València **Type of entity:** University

8 **Title of the work:** Observa el Universo desde las profundidades del mar: Telescopios de neutrinos
Name of the event: Expociencia 2013
Type of event: Fairs and exhibitions
City of event: Paterna, Valencian Community, Spain
Date of event: 25/05/2013
Organising entity: Universitat de València **Type of entity:** University

9 **Title of the work:** Neutrino Telescopes at Nikhef
Name of the event: Open Dag Science Park 2011
Type of event: Fairs and exhibitions
City of event: Amsterdam, Noord-Holland, Holland
Date of event: 08/10/2011
Organising entity: Amsterdam Science Park - Nikhef (Nationaal instituut voor subatomaire fysica)

10 **Title of the work:** Guided visits to the ANTARES laboratory at IFIC (2014-2015)
Type of event: Guided visits
Organising entity: Instituto de Física Corpuscular - IFIC (Spain)

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

Committee title: "Quality Assurance & Quality Control" KM3NeT
Start-End date: 01/07/2016 - 31/03/2021

Organization of R&D activities

1 **Title of the activity:** Seventeenth Marcel Grossmann Meeting
Type of activity: Conference **Geographical area:** European Union
City convening entity: Pescara, Abruzzo, Italy
Type of participation: Convener
Start-End date: 07/07/2024 - 12/07/2024

2 **Title of the activity:** 1st CNID Workshop
Type of activity: Workshop **Geographical area:** National
City convening entity: Valencia, Valencian Community, Spain
Type of participation: Organiser

Start-End date: 08/05/2024 - 10/05/2024

3 **Title of the activity:** KM3NeT Face-2-Face Astro WG Meeting (Valencia-Spain)
Type of activity: Workshop of the KM3NeT collaboration on cosmic neutrino analyses **Geographical area:** European Union
City convening entity: Valencia, Valencian Community, Spain
Type of participation: Organiser
Start-End date: 31/08/2022 - 02/09/2022

4 **Title of the activity:** Very Large Volume Neutrino Telescope Workshop (VLVnT-2021)
Type of activity: Workshop on Neutrino Telescopes **Geographical area:** European Union
City of event: Valencia, Valencian Community, Spain
City convening entity: Valencia, Valencian Community, Spain
Type of participation: Organiser
Start-End date: 18/05/2021 - 21/05/2021 **Duration:** 4 days

5 **Title of the activity:** ANTARES/KM3NeT Collaboration Meeting (Bari-Italy)
Type of activity: Workshop of the ANTARES and KM3NeT collaborations **Geographical area:** European Union
City convening entity: Bari, Puglia, Italy
Type of participation: Organiser
Start-End date: 12/06/2017 - 16/06/2017

6 **Title of the activity:** ANTARES/KM3NeT Collaboration Meeting (Valencia-Spain)
Type of activity: Workshop of the ANTARES and KM3NeT collaborations **Geographical area:** European Union
City convening entity: Valencia, Valencian Community, Spain
Type of participation: Organiser
Start-End date: 23/02/2015 - 27/02/2015

7 **Title of the activity:** KM3NeT Face-2-Face Astro WG Meeting (Granada-Spain)
Type of activity: Workshop of the KM3NeT collaboration on cosmic neutrino analyses **Geographical area:** European Union
City convening entity: Granada, Andalusia, Spain
Type of participation: Organiser

Other achievements

Stays in public or private R&D centres

1 **Entity:** Centre de Physique des Particules de Marseille (CPPM) **Type of entity:** State agency
City of entity: Marseilles, Provence-Alpes-Côte d'Azur, France
Start-End date: 19/11/2017 - 20/12/2017 **Duration:** 1 month
Goals of the stay: Invited
Provable tasks: Work on ANTARES collaboration: transient analysis

2 **Entity:** Centre de Physique des Particules de Marseille (CPPM) **Type of entity:** State agency
City of entity: Marseilles, Provence-Alpes-Côte d'Azur, France

Start-End date: 03/06/2013 - 28/10/2013 **Duration:** 5 months
Goals of the stay: Doctorate
Provable tasks: Work on ANTARES collaboration: transient analysis, detector operations

3 **Entity:** Centre de Physique des Particules de Marseille (CPPM)
City of entity: Marseilles, Provence-Alpes-Côte d'Azur, France
Start-End date: 13/01/2013 - 31/01/2013 **Duration:** 18 days
Goals of the stay: Doctorate
Provable tasks: Work on ANTARES collaboration: transient analysis

4 **Entity:** Centre de Physique des Particules de Marseille (CPPM)
City of entity: Marseilles, Provence-Alpes-Côte d'Azur, France
Start-End date: 02/03/2012 - 27/06/2012 **Duration:** 4 months
Goals of the stay: Doctorate
Provable tasks: Work on ANTARES collaboration: transient analysis, detector operations

5 **Entity:** Nationaal instituut voor subatomaire fysica (Nikhef)
City of entity: Amsterdam, Noord-Holland, Holland
Start-End date: 04/10/2011 - 15/12/2011 **Duration:** 2 months - 15 days
Goals of the stay: Doctorate
Provable tasks: Work on ANTARES collaboration: point source analysis techniques

Prizes, mentions and distinctions

1 **Description:** The Giorgos Androulakis Prize 2024
Awarding entity: The KM3NeT Collaboration
Conferral date: 13/03/2024

2 **Description:** The Global Neutrino Network Dissertation Prize 2016
Awarding entity: Global Neutrino Network - GNN
Conferral date: 01/10/2016

Obtained accreditations/recognitions

1 **Description:** R3 certificate
Accrediting entity: Agencia Estatal de Investigación
Date of recognition: 05/10/2023

2 **Description:** Internal Auditor (ISO-9001:2015)
Accrediting entity: TÜV HELLAS
Date of recognition: 20/09/2017

Other merits of research activity

Public Outreach:
- Guided School visits to IFIC ANTARES/KM3NeT laboratories (2014 – 2015, 2021 – present).
- Open days:
  · IFIC: Expociencia 2013, Expociencia 2014, Expociencia 2015, Expociencia 2022, Expociencia 2023, Expociencia 2024.
  · Nikhef: Open Dag Science Park 2011.
- European Researchers' Night - Apulia:
  · ERN 2019: "PACK? SÌ, GRAZIE!", Bari (Italy), 27 September 2019.
  · ERN 2018: "KM3NeT, un telescopio sotto il mare", Bari (Italy), 28 September 2018.
- Talk about neutrino telescopes for "Foro de Ciencia", Salesianos Paseo de Extremadura High School, Madrid (Spain), on-line, 25 November 2020.
- Talk about astro-particles for high-school students:
  · Colegio Salesianos San Antonio Abad, Valencia (Spain), 5 December 2024.
  · IES Número 26 , Valencia (Spain), 15 December 2023.
  · Colegio Nuestra Señora de Fátima, Valencia (Spain), 5 April 2023.