



CURRÍCULUM VÍTAE NORMALIZADO



FRANCISCO JESUS CARRERA TROYANO

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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.

General Summary

My academic career started at the Universidad de Cantabria (UC) where I got my Ph. D. in June 1992 (sup. Prof. X. Barcons). I have since held post-doctoral positions in research centres in the UK and Spain, becoming University Lecturer in the UC in February 2000, and full Professor in January 2018. I am a member of the Instituto de Física de Cantabria (IFCA, joint centre of the Spanish Council for Scientific Research - CSIC- and the UC). During this time I have performed extensive research and teaching activities, with an important component of activities dedicated to the public understanding of science (outreach) and academic management.

In broad lines, my research has been mainly on multi-wavelength extragalactic Astronomy, especially Active Galactic Nuclei (in particular the obscured ones) and their influence on their host galaxies

Mission proposals

The European Space Agency (ESA) selected Athena as its second large mission (L2) in June 2014. I played a significant role in the proposal and I am currently co-chair of the Topical Panel "Understanding the Build-up of Supermassive Black Holes and Galaxies" appointed by ESA's Athena Study Science Team. I am Director of the Athena Community Office. Between October 2022 and January 2024 I was a member of the NewAthena Science Re-Definition Team, appointed by ESA, to evaluate the science value of the re-defined Athena mission.

Research projects

All this activity has been funded continuously through competitive national and international research projects. I have been PI of seven of those projects.

Service in committees

I act regularly as referee for international journals, I participate in international Time Allocation Committees for spatial observatories (XMM-Newton, Suzaku), in Science and Local Organizing Committees for conferences, and in national and international panels to evaluate research projects. In addition, I have been a member and have chaired the Gran Telescopio Canarias Users Committee and the Science Advisory Committee of the European Virtual Observatory.

Teaching



During all these years I have taught numerous under- and post-graduate courses, both on compulsory and optional subjects and on the Physics and Mathematics degrees. Creating many of them from scratch and acting as coordinator of several courses. I am currently Coordinator of the inter-university Universidad de Cantabria-Universidad Internacional Menéndez Pelayo Master programme on Physics of Particles and the Cosmos

Supervision of PhD and Bsc Theses

In total I have supervised one Ph. D. Thesis alone and seven more in collaboration, most of whom hold currently post-doctoral positions in Astronomy or Physics. I am currently co-supervising another Ph. D. Thesis. I have also supervised or co-supervised four M. Sc. Thesis and many B. Sc. Theses in Physics and Engineering. I am also serving regularly in BSc Thesis panels.

Academic management

I was Vice-director of IFCA between 2004 and 2008. I was director (formally appointed on November 19, 2008) of the "Observatorio Astronómico de Cantabria" (a facility of the "Consejería de Medio Ambiente" of the regional government of Cantabria) between April 2007 and September 2009. I designed and started its scientific, observational, didactical and dissemination activities.

Outreach

I have combined all the previous aspects with an intensive outreach activity: I have given many talks about Astronomy in High Schools and amateur astronomer societies, and organised and taught University Summer Courses. Additionally, I was the point of contact in the UC for the International Year of Astronomy 2009. I also collaborate regularly in the dissemination activities organised by IFCA and UC or in which they participate (Weeks of Science, European Researchers' Night, Pint of Science, International Master classes, exhibitions...).



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.

In bibliometric terms my research career can be summarised (ISI) in 213 research articles in Astronomy journals virtually all of the first quartile, with more than 4700 citations (Hirsh index $h=47$), 68 further publications in conference proceedings and 90 more contributions to conferences (most of them international). All this activity has evaluated objectively with the five "tramos de investigación" (six year periods) that are possible for me at the moment (1989-2018). I have supervised one Ph. D. Thesis alone and seven more in collaboration, most of whom are still currently active in Astronomy or Physics.



FRANCISCO JESUS CARRERA TROYANO

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Current professional situation

- 1 Employing entity:** UNIVERSIDAD DE CANTABRIA **Type of entity:** University
Professional category: COORDINADOR 2 DE MASTER Y POP
Start date: 26/10/2022
Type of contract: Civil servant **Dedication regime:** Full time
Performed tasks: COORDINADOR MASTER UNIVERSITARIO (UC-UIMP) EN FISICA DE PARTICULAS Y DEL COSMOS
- 2 Employing entity:** UNIVERSIDAD DE CANTABRIA **Type of entity:** University
Department: FACULTAD DE CIENCIAS
Professional category: Catedrático de Universidad
Start date: 10/01/2018
Type of contract: Civil servant **Dedication regime:** Full time
Primary (UNESCO code): 210109 - Quasars
Secondary (UNESCO code): 210104 - Galaxies
Tertiary (UNESCO code): 210115 - X-ray sources
Performed tasks: CU ASTRONOMÍA Y ASTROFÍSICA /

Previous positions and activities

	Employing entity	Professional category	Start date
1	UNIVERSIDAD DE CANTABRIA	VICEDIRECTOR DEL INSTITUTO DE FISICA DE CANTABRIA	10/01/2004
2	UNIVERSIDAD DE CANTABRIA	TU ASTRONOMÍA Y ASTROFÍSICA /	23/07/2001
3	UNIVERSIDAD DE CANTABRIA	TU FISICA DE LA TIERRA, ASTRONOMIA Y ASTROF /	28/02/2000
4	University College London	Senior Research Fellow	01/04/1999
5	UNIVERSIDAD DE CANTABRIA	Proyectos Investigación	17/03/1999
6		Investigador contratado	19/03/1996



	Employing entity	Professional category	Start date
	Consejo Superior de Investigaciones Científicas		
7	University College London	Research Fellow	01/01/1993
8	Universidad de Cantabria	Becario de Formación de Personal Investigador	01/01/1989

1 Employing entity: UNIVERSIDAD DE CANTABRIA

Professional category: VICEDIRECTOR DEL INSTITUTO DE FISICA DE CANTABRIA

Start date: 10/01/2004

Duration: 4 years - 1 month - 12 days

2 Employing entity: UNIVERSIDAD DE CANTABRIA

Professional category: TU ASTRONOMÍA Y ASTROFÍSICA /

Start date: 23/07/2001

Duration: 5 years - 9 months - 24 days

3 Employing entity: UNIVERSIDAD DE CANTABRIA

Professional category: TU FISICA DE LA TIERRA, ASTRONOMIA Y ASTROF /

Start date: 28/02/2000

Duration: 1 year - 4 months - 25 days

4 Employing entity: University College London

Professional category: Senior Research Fellow

Start date: 01/04/1999

Duration: 10 months - 10 days

5 Employing entity: UNIVERSIDAD DE CANTABRIA

Professional category: Proyectos Investigación

Start date: 17/03/1999

Duration: 21 days

6 Employing entity: Consejo Superior de Investigaciones Científicas

Professional category: Investigador contratado

Start date: 19/03/1996

Duration: 2 years - 11 months - 16 days

7 Employing entity: University College London

Professional category: Research Fellow

Start date: 01/01/1993

Duration: 3 years - 2 months - 1 day

8 Employing entity: Universidad de Cantabria

Professional category: Becario de Formación de Personal Investigador

Start date: 01/01/1989

Duration: 3 years - 11 months - 11 days



Education

University education

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

Name of qualification: Licenciado en Ciencias (De Físicas) (Física Fundamental)

Degree awarding entity: UNIVERSIDAD DE CANTABRIA

Date of qualification: 12/09/1988

Doctorates

Doctorate programme: Doctor en Ciencias (Físicas)

Degree awarding entity: UNIVERSIDAD DE CANTABRIA

Date of degree: 20/07/1992

Thesis title: Anisotropías en el Fondo Cósmico de Rayos X.

Obtained qualification: APCL

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French	B2	C1	A1	A1	A1
English		C1	C1	C1	C1

Teaching experience

General teaching experience

1 Type of teaching: Official teaching

Name of the course: Astronomy

University degree: Grado en Física

Frequency of the activity: 20

End date: 01/10/2024

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 6,37

Entity: UNIVERSIDAD DE CANTABRIA

2 Type of teaching: Official teaching

Name of the course: Estadística y Análisis de Datos

University degree: Máster Universitario en Física de Partículas y del Cosmos

Frequency of the activity: 7

End date: 01/10/2024



Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 2,19

Entity: UNIVERSIDAD DE CANTABRIA

3 Type of teaching: Official teaching

Name of the course: Frontier Research in Astrophysics and Particle Physics

University degree: Máster Universitario en Física de Partículas y del Cosmos

Frequency of the activity: 1

End date: 01/10/2024

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 0,35

Entity: UNIVERSIDAD DE CANTABRIA

4 Type of teaching: Official teaching

Name of the course: Panorama de la Ciencia y Elaboración de Proyectos

University degree: Doble Grado en Física y Matemáticas

Frequency of the activity: 4

End date: 01/10/2024

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 0,5

Entity: UNIVERSIDAD DE CANTABRIA

5 Type of teaching: Official teaching

Name of the course: Panorama de la Ciencia y Elaboración de Proyectos

University degree: Grado en Física

Frequency of the activity: 4

End date: 01/10/2024

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 3,4

Entity: UNIVERSIDAD DE CANTABRIA

6 Type of teaching: Official teaching

Name of the course: Astrofísica Extragaláctica

University degree: Máster Universitario en Física de Partículas y del Cosmos

Frequency of the activity: 6

End date: 01/10/2023

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 1,02

Entity: UNIVERSIDAD DE CANTABRIA

7 Type of teaching: Official teaching

Name of the course: Historia y Panorama de Investigación y Aplicaciones de la Física

University degree: Doble Grado en Física y Matemáticas

Frequency of the activity: 18

End date: 01/10/2022

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 0,7

Entity: UNIVERSIDAD DE CANTABRIA

**8 Type of teaching:** Official teaching**Name of the course:** Física Básica Experimental**University degree:** Grado en Matemáticas**Frequency of the activity:** 5**End date:** 01/10/2020**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 5,36**Entity:** UNIVERSIDAD DE CANTABRIA**9 Type of teaching:** Official teaching**Name of the course:** Acércate a la Ciencia con el Instituto de Física de Cantabria**University degree:** Programa Senior Ciclo de Especialidades**Frequency of the activity:** 2**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 0,55**Entity:** UNIVERSIDAD DE CANTABRIA**10 Type of teaching:** Official teaching**Name of the course:** Análisis Estadístico en Física Experimental**Frequency of the activity:** 2**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 1**Entity:** UNIVERSIDAD DE CANTABRIA**11 Type of teaching:** Official teaching**Name of the course:** Análisis Estadístico en Física Experimental**Frequency of the activity:** 5**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 1**Entity:** UNIVERSIDAD DE CANTABRIA**12 Type of teaching:** Official teaching**Name of the course:** Astrofísica Estelar**University degree:** LICENCIADO EN FISICA**Frequency of the activity:** 8**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 2**Entity:** UNIVERSIDAD DE CANTABRIA**13 Type of teaching:** Official teaching**Name of the course:** Astrofísica Extragaláctica**University degree:** Máster Universitario en Física de Partículas y del Cosmos**Frequency of the activity:** 2**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 1,4**Entity:** UNIVERSIDAD DE CANTABRIA**14 Type of teaching:** Official teaching**Name of the course:** Astrofísica de Altas Energías**Frequency of the activity:** 1**Type of hours/ ECTS credits:** Credits



Hours/ECTS credits: 1

Entity: UNIVERSIDAD DE CANTABRIA

15 Type of teaching: Official teaching

Name of the course: Astrofísica de Altas Energías II

Frequency of the activity: 1

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 1,5

Entity: UNIVERSIDAD DE CANTABRIA

16 Type of teaching: Official teaching

Name of the course: Astronomy

University degree: Doble Grado en Física y Matemáticas

Frequency of the activity: 10

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 0,2

Entity: UNIVERSIDAD DE CANTABRIA

17 Type of teaching: Official teaching

Name of the course: Astronomy

University degree: Doble Grado en Física y Matemáticas

Frequency of the activity: 6

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 0,82

Entity: UNIVERSIDAD DE CANTABRIA

18 Type of teaching: Official teaching

Name of the course: Astronomy

University degree: Grado en Física

Frequency of the activity: 6

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 1,46

Entity: UNIVERSIDAD DE CANTABRIA

19 Type of teaching: Official teaching

Name of the course: Astronomy

University degree: Grado en Física

Frequency of the activity: 10

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 1,8

Entity: UNIVERSIDAD DE CANTABRIA

20 Type of teaching: Official teaching

Name of the course: Astronomía

University degree: Grado en Física

Frequency of the activity: 3

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 5,13

Entity: UNIVERSIDAD DE CANTABRIA



21 Type of teaching: Official teaching

Name of the course: Astronomía

University degree: Grado en Física

Frequency of the activity: 5

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 5,87

Entity: UNIVERSIDAD DE CANTABRIA

22 Type of teaching: Official teaching

Name of the course: Astronomía

University degree: Grado en Física

Frequency of the activity: 3

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 6,05

Entity: UNIVERSIDAD DE CANTABRIA

23 Type of teaching: Official teaching

Name of the course: Astronomía Espacial

Frequency of the activity: 2

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 1

Entity: UNIVERSIDAD DE CANTABRIA

24 Type of teaching: Official teaching

Name of the course: Astronomía General

University degree: LICENCIADO EN FISICA

Frequency of the activity: 8

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 6

Entity: UNIVERSIDAD DE CANTABRIA

25 Type of teaching: Official teaching

Name of the course: Estadística

University degree: Máster Universitario en Física, Instrumentación y Medio Ambiente

Frequency of the activity: 1

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 1,94

Entity: UNIVERSIDAD DE CANTABRIA

26 Type of teaching: Official teaching

Name of the course: Estadística

University degree: Máster Universitario en Física, Instrumentación y Medio Ambiente

Frequency of the activity: 5

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 2,44

Entity: UNIVERSIDAD DE CANTABRIA

27 Type of teaching: Official teaching

Name of the course: Estadística y Análisis de Datos

University degree: Máster Universitario en Física de Partículas y del Cosmos

Frequency of the activity: 2



Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 1,62

Entity: UNIVERSIDAD DE CANTABRIA

28 Type of teaching: Official teaching

Name of the course: Fundamentos de Computadores y Lenguajes

University degree: LICENCIADO EN FISICA

Frequency of the activity: 3

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 6

Entity: UNIVERSIDAD DE CANTABRIA

29 Type of teaching: Official teaching

Name of the course: Física Básica Experimental

University degree: Grado en Matemáticas

Frequency of the activity: 4

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 3,55

Entity: UNIVERSIDAD DE CANTABRIA

30 Type of teaching: Official teaching

Name of the course: Física Básica Experimental

University degree: Grado en Matemáticas

Frequency of the activity: 2

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 5,55

Entity: UNIVERSIDAD DE CANTABRIA

31 Type of teaching: Official teaching

Name of the course: Física Cuántica

University degree: LICENCIADO EN FISICA

Frequency of the activity: 3

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 3

Entity: UNIVERSIDAD DE CANTABRIA

32 Type of teaching: Official teaching

Name of the course: Física Cuántica y Estructura de la Materia I: Fundamentos de la Física Cuántica

University degree: Grado en Física

Frequency of the activity: 1

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 3,53

Entity: UNIVERSIDAD DE CANTABRIA

33 Type of teaching: Official teaching

Name of the course: Historia y Panorama de Investigación y Aplicaciones de la Física

University degree: Doble Grado en Física y Matemáticas

Frequency of the activity: 9

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 0,14

Entity: UNIVERSIDAD DE CANTABRIA

**34 Type of teaching:** Official teaching**Name of the course:** Historia y Panorama de Investigación y Aplicaciones de la Física**University degree:** Doble Grado en Física y Matemáticas**Frequency of the activity:** 13**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 0,18**Entity:** UNIVERSIDAD DE CANTABRIA**35 Type of teaching:** Official teaching**Name of the course:** Historia y Panorama de Investigación y Aplicaciones de la Física**University degree:** Grado en Física**Frequency of the activity:** 13**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 0,63**Entity:** UNIVERSIDAD DE CANTABRIA**36 Type of teaching:** Official teaching**Name of the course:** Historia y Panorama de Investigación y Aplicaciones de la Física**University degree:** Grado en Física**Frequency of the activity:** 3**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 0,64**Entity:** UNIVERSIDAD DE CANTABRIA**37 Type of teaching:** Official teaching**Name of the course:** Historia y Panorama de Investigación y Aplicaciones de la Física**University degree:** Grado en Física**Frequency of the activity:** 9**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 0,68**Entity:** UNIVERSIDAD DE CANTABRIA**38 Type of teaching:** Official teaching**Name of the course:** Historia y Panorama de Investigación y Aplicaciones de la Física**University degree:** Grado en Física**Frequency of the activity:** 3**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 0,69**Entity:** UNIVERSIDAD DE CANTABRIA**39 Type of teaching:** Official teaching**Name of the course:** Métodos Estadísticos en Investigación Científica**University degree:** Máster Universitario en Física y Tecnología Física**Frequency of the activity:** 3**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 1,7**Entity:** UNIVERSIDAD DE CANTABRIA

**40 Type of teaching:** Official teaching**Name of the course:** Métodos Estadísticos en Investigación Científica**University degree:** Máster Universitario en Computación**Frequency of the activity:** 4**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 1,94**Entity:** UNIVERSIDAD DE CANTABRIA**41 Type of teaching:** Official teaching**Name of the course:** Métodos Estadísticos en Investigación Científica**University degree:** Máster Universitario en Física y Tecnologías Físicas**Frequency of the activity:** 4**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 2**Entity:** UNIVERSIDAD DE CANTABRIA**42 Type of teaching:** Official teaching**Name of the course:** Observational Astronomy**University degree:** LICENCIADO EN FISICA**Frequency of the activity:** 5**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 2**Entity:** UNIVERSIDAD DE CANTABRIA**43 Type of teaching:** Official teaching**Name of the course:** Radioactividad e Instrumentación Nuclear**University degree:** LICENCIADO EN CIENCIAS, SECCION FISICAS**Frequency of the activity:** 3**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 6**Entity:** UNIVERSIDAD DE CANTABRIA**44 Type of teaching:** Official teaching**Name of the course:** Relatividad**University degree:** LICENCIADO EN CIENCIAS, SECCION FISICAS**Frequency of the activity:** 4**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 2,25**Entity:** UNIVERSIDAD DE CANTABRIA**45 Type of teaching:** Official teaching**Name of the course:** Técnicas Experimentales en Investigación**University degree:** Máster Universitario en Física y Tecnologías Físicas**Frequency of the activity:** 3**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 0,58**Entity:** UNIVERSIDAD DE CANTABRIA**46 Type of teaching:** Official teaching**Name of the course:** Técnicas Experimentales en Investigación**University degree:** Máster Universitario en Física y Tecnología Física



Frequency of the activity: 2

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 0,65

Entity: UNIVERSIDAD DE CANTABRIA

47 Type of teaching: Official teaching

Name of the course: Técnicas Instrumentales en Astrofísica

University degree: Máster Universitario en Física, Instrumentación y Medio Ambiente

Frequency of the activity: 4

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 1,25

Entity: UNIVERSIDAD DE CANTABRIA

48 Type of teaching: Official teaching

Name of the course: Técnicas Observacionales en Astrofísica

University degree: Máster Universitario en Física y Tecnología Física

Frequency of the activity: 2

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 1,1

Entity: UNIVERSIDAD DE CANTABRIA

49 Type of teaching: Official teaching

Name of the course: Técnicas Observacionales en Astrofísica

University degree: Máster Universitario en Física y Tecnología Física

Frequency of the activity: 2

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 1,19

Entity: UNIVERSIDAD DE CANTABRIA

50 Type of teaching: Official teaching

Name of the course: Técnicas Observacionales en Astrofísica

University degree: Máster Universitario en Física y Tecnologías Físicas

Frequency of the activity: 2

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 1,63

Entity: UNIVERSIDAD DE CANTABRIA

51 Type of teaching: Official teaching

Name of the course: Técnicas Observacionales en Astrofísica

University degree: LICENCIADO EN FISICA

Frequency of the activity: 3

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 3

Entity: UNIVERSIDAD DE CANTABRIA



Experience supervising doctoral thesis and/or final year projects

1 Project title: Influencia de las propiedades de los núcleos galácticos activos en su clasificación óptica.

Type of project: Doctoral thesis

Entity: UNIVERSIDAD DE CANTABRIA

Obtained qualification: SOB.

Date of reading: 24/07/2024

2 Project title: Trabajo Fin de Grado. PROPIEDADES EN EL INFRARROJO LEJANO DE CUÁSARES DE LÍNEAS ANCHAS

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: NOT.

Date of reading: 22/07/2024

3 Project title: Trabajo Fin de Grado. ESTUDIO DE CONTROL DE ACTITUD SOBRE SATÉLITES ARTIFICIALES Y BASURA ESPACIAL EMPLENANDO DATOS DE LÁSER

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: SOB.

Date of reading: 27/02/2024

4 Project title: Trabajo Fin de Grado. USO DE TECNICAS DE INTELIGENCIA ARTIFICIAL PARA IDENTIFICAR GALAXIAS ACTIVAS

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: NOT.

Date of reading: 28/11/2023

5 Project title: Trabajo Fin de Máster. EXPLORANDO EL UNIVERSO CALIENTE Y ENERGETICO CON ATHENA

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: APR.

Date of reading: 26/09/2023

6 Project title: Trabajo Fin de Grado. ESTUDIO DE LA MORFOLÓGIA E HISTORIA DE LA FORMACIÓN ESTELAR DE GALAXIAS ACTIVAS Y NO ACTIVAS

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: SOB.

Date of reading: 24/11/2022



7 Project title: Trabajo Fin de Grado. EVALUACION DE LAS CAPACIDADES CIENTIFICAS DEL INSTRUMENTO X-IFU DEL OBSERVATORIO ATHENA DE LA AGENCIA EUROPEA DEL ESPACIO

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: NOT.

Date of reading: 21/09/2022

8 Project title: Trabajo Fin de Grado. Uso de técnicas de Inteligencia Artificial para clasificar fuentes observadas en el infrarrojo y en rayos-X

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: NOT.

Date of reading: 27/09/2021

9 Project title: Trabajo Fin de Grado. DE LA TIERRA A LA LUNA

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: APR.

Date of reading: 02/07/2021

10 Project title: Trabajo Fin de Grado. Clasificación de Imágenes Astronómicas de Rayos X Mediante Aprendizaje Automático.

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: NOT.

Date of reading: 05/03/2021

11 Project title: Trabajo Fin de Grado. REPRESENTACION DE LOS COLORES DEL UNIVERSO

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: APR.

Date of reading: 10/07/2020

12 Project title: Trabajo Fin de Grado. ¿DE QUÉ DEPENDE QUE ALGUNOS CUÁSARES SE DETECTEN EN RAYOS X Y OTROS NO?

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: NOT.

Date of reading: 26/06/2020

13 Project title: Una visión multifrecuencia de núcleos de galaxias activas

Type of project: Doctoral thesis

Entity: UNIVERSIDAD DE CANTABRIA

Obtained qualification: SOBC

Date of reading: 17/12/2019



14 **Project title:** Trabajo Fin de Grado. CLASIFICACION DE FUENTES ASTRONOMICAS MEDIANTE TECNICAS DE MACHINE LEARNING

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: M.H.

Date of reading: 25/10/2019

15 **Project title:** Trabajo Fin de Máster. BUSQUEDA DE LOS NUCLEOS GALACTICOS ACTIVOS MAS OSCURECIDOS CON XMM-NEWTON Y ATHENA

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: SOB.

Date of reading: 18/10/2019

16 **Project title:** Trabajo Fin de Máster. CARACTERIZACION ESPECTRAL AUTOMATIZADA DE GALAXIAS ACTIVAS ALTAMENTE OSCURECIDAS

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: APR.

Date of reading: 25/09/2019

17 **Project title:** Trabajo Fin de Grado. BUSQUEDA DE UNA SOBREDENSIDAD DE GALAXIAS A ALTO CORRIMIENTO HACIA EL ROJO, USANDO IMAGENES TOMADAS CON FILTROS SINTONIZABLES

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: SOB.

Date of reading: 24/09/2019

18 **Project title:** Trabajo Fin de Grado. Relacion entre la emision de rayos X y en el infrarrojo medio de nucleos galacticos activos de alta luminosidad.

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: SOB.

Date of reading: 08/07/2016

19 **Project title:** Trabajo Fin de Grado. Formación Estelar en Cuásares

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

Type of entity: University

City of entity: Santander, Cantabria, Spain

Obtained qualification: NOT.

Date of reading: 27/10/2015

20 **Project title:** Trabajo Fin de Máster. Formación Estelar en Cuásares

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA



City of entity: Santander, Spain

Obtained qualification: NOT.

Date of reading: 27/10/2015

21 Project title: Muestras de Galaxias Activas, del Infrarrojo a los Rayos X

Type of project: Doctoral thesis

Entity: UNIVERSIDAD DE CANTABRIA

Obtained qualification: SOBC

Date of reading: 28/03/2014

22 Project title: Espectros Promedio en Rayos X de Núcleos Galácticos Activos de Muestreos Profundos en Rayos X

Type of project: Doctoral thesis

Entity: UNIVERSIDAD DE CANTABRIA

Obtained qualification: APCL

Date of reading: 23/10/2012

23 Project title: Proyecto Fin de Carrera. Actualización del software GUIspec

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: M.H.

Date of reading: 19/10/2012

24 Project title: TRABAJO FIN DE CARRERA (SISTEMAS ELECTRONICOS). Actualización del software GUIspec

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: M.H.

Date of reading: 19/10/2012

25 Project title: Caracterización Espectral en Rayos X del Acrecimiento y Oscurecimiento en Galaxias Activas

Type of project: Doctoral thesis

Entity: UNIVERSIDAD DE CANTABRIA

Obtained qualification: SOBC

Date of reading: 14/02/2012

26 Project title: Caracterización espectral en rayos X del acrecimiento y oscurecimiento en Galaxias Activas

Type of project: Doctoral thesis

Entity: Universidad de Cantabria

City of entity: Santander, Spain

Obtained qualification: Sobresaliente cum La

Date of reading: 14/02/2012

27 Project title: Propiedades Multifrecuencia de Galaxias Hiperluminosas en el Infrarrojo

Type of project: Doctoral thesis

Entity: UNIVERSIDAD DE CANTABRIA

Obtained qualification: SOBC

Date of reading: 10/09/2010



28 Project title: Evolución y Agrupamiento a Gran Escala de una Muestra de Fuentes Extragalácticas en Rayos-X.

Type of project: Doctoral thesis

Entity: UNIVERSIDAD DE CANTABRIA

Obtained qualification: SOBC

Date of reading: 11/12/2008

29 Project title: TRABAJO FIN DE CARRERA. Calibración de una camara CCD y un sistema de filtros para observaciones astronómicas.

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: APR.

Date of reading: 18/09/2008

30 Project title: Trabajo Fin de Carrera. Calibración de una camara CCD y un sistema de filtros para observaciones astronómicas.

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: APR.

Date of reading: 18/09/2008

31 Project title: Espectroscopía de Galaxias Activas Distantes Detectadas con el Observatorio XMM-Newton.

Type of project: Doctoral thesis

Entity: UNIVERSIDAD DE CANTABRIA

Obtained qualification: SOBC

Date of reading: 21/12/2006

32 Project title: TRABAJO FIN DE CARRERA. Propiedades Multi-Longitud de Onda de Fuentes Seleccionadas en Rayos X

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: M.H.

Date of reading: 17/03/2006

33 Project title: Trabajo Fin de Carrera. Propiedades Multi-Longitud de Onda de Fuentes Seleccionadas en Rayos X

Type of project: End of course project

Entity: UNIVERSIDAD DE CANTABRIA

City of entity: Santander, Spain

Obtained qualification: M.H.

Date of reading: 17/03/2006



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:** ACTIVIDAD ESTRUCTURAL PARA EL DESARROLLO DE LA INVESTIGACIÓN DEL INSTITUTO DE FÍSICA DE CANTABRIA (Financiado Contrato Programa: Consejería de Educación, Formación Profesional y Universidades del Gobierno de Cantabria-UC)
Entity where project took place: UNIVERSIDAD DE CANTABRIA
Name principal investigator (PI, Co-PI....): PATRICIO VIELVA MARTINEZ
Nº of researchers: 25
Funding entity or bodies:
UNIVERSIDAD DE CANTABRIA
Start date: 01/01/2025 **Duration:** 3 years - 1 day
Total amount: 540.000 €
- 2 Name of the project:** PROCESADOR DE EVENTOS DE X-IFU Y PREPARACION CIENTIFICA PARA ATHENA
Entity where project took place: UNIVERSIDAD DE CANTABRIA
Name principal investigator (PI, Co-PI....): AMALIA CORRAL RAMOS; MARIA TERESA CEBALLOS MERINO
Nº of researchers: 5
Funding entity or bodies:
AGENCIA ESTATAL DE INVESTIGACION
Start date: 01/09/2022 **Duration:** 3 years - 1 day
Total amount: 181.500 €
- 3 Name of the project:** XMM2ATHENA: XMM-NEWTON A PATHFINDER FOR FUTURE MULTIWAVELENGTH AND MULTI-MESSENGER OBSERVATIONS WITH ATHENA.
Entity where project took place: UNIVERSIDAD DE CANTABRIA
Name principal investigator (PI, Co-PI....): FRANCISCO JESUS CARRERA TROYANO
Nº of researchers: 8
Funding entity or bodies:
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
COMISION EUROPEA
Start date: 01/04/2021 **Duration:** 3 years - 6 months - 1 day
Total amount: 254.317,5 €
- 4 Name of the project:** AHEAD2020: INTEGRATED ACTIVITIES FOR THE HIGH ENERGY ASTROPHYSICS DOMAIN
Entity where project took place: UNIVERSIDAD DE CANTABRIA
Name principal investigator (PI, Co-PI....): FRANCISCO JESUS CARRERA TROYANO
Nº of researchers: 2
Funding entity or bodies:



COMISION EUROPEA

CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS (CSIC)

Start date: 02/03/2020

Duration: 4 years - 1 day

Total amount: 22.327,49 €

5 Name of the project: INSTRUMENTACIÓN Y CIENCIA DE DATOS PARA SONDEAR LA NATURALEZA DEL UNIVERSO (Financiado Contrato Programa: Consejería de Universidades, Igualdad, Cultura y Deporte del Gobierno de Cantabria - UC)

Entity where project took place: UNIVERSIDAD DE CANTABRIA

Name principal investigator (PI, Co-PI....): PATRICIO VIELVA MARTINEZ; JOSE MANUEL GUTIERREZ LLORENTE

Nº of researchers: 28

Funding entity or bodies:

UNIVERSIDAD DE CANTABRIA

Start date: 01/01/2020

Duration: 5 years - 1 day

Total amount: 920.000 €

6 Name of the project: ATHENA, FASE A2/B/C: PARTICIPACION CIENTIFICA EN LA MISION Y DESARROLLO DEL INSTRUMENTO X-IFU (RTI2018-096686-B-C21)

Entity where project took place: UNIVERSIDAD DE CANTABRIA

Name principal investigator (PI, Co-PI....): SILVIA MATEOS IBAÑEZ; MARIA TERESA CEBALLOS MERINO

Nº of researchers: 4

Funding entity or bodies:

AGENCIA ESTATAL DE INVESTIGACION

Start date: 01/01/2019

Duration: 3 years - 1 day

Total amount: 487.025 €

7 Name of the project: ENTENDIENDO EL ORIGEN DEL UNIVERSO: PARTÍCULAS, COSMOLOGÍA, FUERZAS Y BÚSQUEDA DE NUEVA FÍSICA

Entity where project took place: UNIVERSIDAD DE CANTABRIA

Name principal investigator (PI, Co-PI....): CELSO MARTINEZ RIVERO

Nº of researchers: 9

Funding entity or bodies:

UNIVERSIDAD DE CANTABRIA

Start date: 31/10/2017

Duration: 2 years

Total amount: 10.100,31 €

8 Name of the project: ENTENDIENDO EL ORIGEN DEL UNIVERSO: PARTÍCULAS, COSMOLOGÍA, FUERZAS Y BÚSQUEDA DE NUEVA FÍSICA

Entity where project took place: UNIVERSIDAD DE CANTABRIA

Name principal investigator (PI, Co-PI....): CELSO MARTINEZ RIVERO; JOSE MANUEL GUTIERREZ LLORENTE

Nº of researchers: 10

Funding entity or bodies:

UNIVERSIDAD DE CANTABRIA

Start date: 31/10/2017

Duration: 4 years

Total amount: 10.100,31 €



9 Name of the project: THE X-RAY AND INFRARED VIEW OF THE OBSCURED ACCRETION PHENOMENON

Entity where project took place: UNIVERSIDAD DE CANTABRIA

Name principal investigator (PI, Co-PI....): SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO

Nº of researchers: 5

Funding entity or bodies:

UNIVERSIDAD DE CANTABRIA

Start date: 11/01/2016

Duration: 3 years - 11 months - 28 days

Total amount: 6.872,21 €

10 Name of the project: THE X-RAY AND INFRARED VIEW OF THE OBSCURED ACCRETION PHENOMENON

Entity where project took place: UNIVERSIDAD DE CANTABRIA

Name principal investigator (PI, Co-PI....): FRANCISCO JESUS CARRERA TROYANO

Nº of researchers: 3

Funding entity or bodies:

UNIVERSIDAD DE CANTABRIA

Start date: 11/01/2016

Duration: 3 years - 11 months - 28 days

Total amount: 6.872,21 €

11 Name of the project: LAS GALAXIAS CERCANAS Y LEJANAS Y SUS NÚCLEOS ACTIVOS (AYA2015-64346-C2-1-P) (MINECO/FEDER, UE)

Entity where project took place: UNIVERSIDAD DE CANTABRIA

Name principal investigator (PI, Co-PI....): FRANCISCO JESUS CARRERA TROYANO; ALMUDENA ALONSO HERRERO

Nº of researchers: 4

Funding entity or bodies:

MINISTERIO DE ECONOMIA Y COMPETITIVIDAD

Start date: 01/01/2016

Duration: 3 years - 1 day

Total amount: 120.879 €

12 Name of the project: EXPANDIENDO LA CIENCIA: ¡¡¡INVESTIGADORES EN LA ESCUELA!!!

Entity where project took place: UNIVERSIDAD DE CANTABRIA

Name principal investigator (PI, Co-PI....): ROCIO VILAR CORTABITARTE

Nº of researchers: 24

Funding entity or bodies:

FUNDACION ESPANOLA PARA LA CIENCIA Y LA TECNOLOGIA (FECYT)

Start date: 15/09/2014

Duration: 1 year - 3 months - 17 days

Total amount: 1.440 €

13 Name of the project: ARCHES: ASTRONOMICAL RESOURCE CROSS-MATCHING FOR HIGH ENERGY STUDIES

Entity where project took place: UNIVERSIDAD DE CANTABRIA

Name principal investigator (PI, Co-PI....): FRANCISCO JESUS CARRERA TROYANO

Nº of researchers: 3

Funding entity or bodies:

COMISION EUROPEA

UNIVERSITE DE STRASBOURG



Start date: 01/01/2013
Total amount: 201.600 €

Duration: 2 years - 8 months - 3 days

- 14 Name of the project:** UNA VISIÓN MULTI-FRECUENCIA DE AGN Y LAS GALAXIAS QUE LOS ALBERGAN A LO LARGO DEL TIEMPO (AYA2012-31447)

Entity where project took place: UNIVERSIDAD DE CANTABRIA

Name principal investigator (PI, Co-PI....): ALMUDENA ALONSO HERRERO

Nº of researchers: 5

Funding entity or bodies:

MINISTERIO DE ECONOMIA Y COMPETITIVIDAD

Start date: 01/01/2013

Duration: 3 years

Total amount: 215.280 €

- 15 Name of the project:** COMPRENDIENDO EL UNIVERSO ACTIVO: DESDE DETECTORES A NUCLEOS ACTIVOS (AYA2010-21490-C02-01)

Entity where project took place: UNIVERSIDAD DE CANTABRIA

Name principal investigator (PI, Co-PI....): FRANCISCO JESUS CARRERA TROYANO

Nº of researchers: 10

Funding entity or bodies:

MINISTERIO DE ECONOMIA Y COMPETITIVIDAD - SECRETARIA DE ESTADO DE INVESTIGACION, DESARROLLO E INNOVACION

Start date: 01/01/2011

Duration: 3 years - 1 day

Total amount: 254.100 €

- 16 Name of the project:** X-ray Astronomy missions: from XMM-Newton to SIMBOL-X and IXO

Entity where project took place: CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS (CSIC)

Name principal investigator (PI, Co-PI....): FRANCESCA XAVIER BARCONS JAUREGUI

Nº of researchers: 10

Funding entity or bodies:

Dirección general de Investigación y gestión del plan nacional de I+D+i

Start date: 01/01/2010

Duration: 12 months

Total amount: 175.450 €

- 17 Name of the project:** Participación en las misiones de Astronomía de rayos X de la Agencia Europea del Espacio

Entity where project took place: CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS (CSIC)

Name principal investigator (PI, Co-PI....): Xavier Barcons Jáuregui

Nº of researchers: 13

Funding entity or bodies:

MINISTERIO DE EDUCACION Y CIENCIA

Start date: 01/10/2006

Duration: 2 years - 11 months - 20 days

Total amount: 609.480 €

- 18 Name of the project:** UN OBSERVATORIO ASTRONÓMICO PARA LA SOCIEDAD DE CANTABRIA : INSTALACION DE UN TELESCOPIO EN EL INSTITUTO DE FISICA DE CANTABRIA

Entity where project took place: UNIVERSIDAD DE CANTABRIA

Name principal investigator (PI, Co-PI....): FRANCISCO JESUS CARRERA TROYANO

Nº of researchers: 1

Funding entity or bodies:



MINISTERIO DE EDUCACION Y CIENCIA

Start date: 01/01/2005**Duration:** 1 year**Total amount:** 21.000 €

- 19 Name of the project:** SISTEMA DE METROLOGIA DE PRECISION MICROMETRICA. SISTEMA DE CALCULO ESCALABRE DISTRIBUIDO. SALA LIMPIA Y CAMARA CLIMATICA.

Entity where project took place: UNIVERSIDAD DE CANTABRIA**Name principal investigator (PI, Co-PI....):** MARIA TERESA RODRIGO ANORO**Nº of researchers:** 8**Funding entity or bodies:**

GOBIERNO DE CANTABRIA

Start date: 01/01/2004**Duration:** 1 year - 1 day**Total amount:** 451.050 €

- 20 Name of the project:** Participación en el XMM-Newton Survey Science Centre

Entity where project took place: CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS (CSIC)**Name principal investigator (PI, Co-PI....):** FRANCESC XAVIER BARCONS JAUREGUI**Nº of researchers:** 4**Funding entity or bodies:**

MINISTERIO DE EDUCACION Y CIENCIA

Start date: 01/12/2003**Duration:** 3 years**Total amount:** 202.000 €

- 21 Name of the project:** VERIFICACION, VALIDACION Y CONTROL DE CALIDAD DE LOS PRODUCTOS DE LA CADENA DE PROCESADO DE TDOS DE XMM-NEWTON

Entity where project took place: UNIVERSIDAD DE CANTABRIA**Name principal investigator (PI, Co-PI....):** FRANCISCO JESUS CARRERA TROYANO**Nº of researchers:** 6**Funding entity or bodies:**

MINISTERIO DE CIENCIA Y TECNOLOGIA

Start date: 06/05/2003**Duration:** 1 year - 1 day**Total amount:** 30.000 €

- 22 Name of the project:** SEMINARIO INTERNACIONAL: "ESTUDIOS DE RAYOS -X A LA LUZ DE LOS NUIEVOS OBSERVATORIOS

Entity where project took place: UNIVERSIDAD DE CANTABRIA**Name principal investigator (PI, Co-PI....):** FRANCISCO JESUS CARRERA TROYANO**Nº of researchers:** 1**Funding entity or bodies:**

MINISTERIO DE CIENCIA Y TECNOLOGIA

Start date: 09/10/2002**Duration:** 1 year - 2 days**Total amount:** 4.800 €

- 23 Name of the project:** VERIFICACION, VALIDACION Y CONTROL DE CALIDAD DE LOS PRODUCTOS DE LA CADENA DE PROCESADO DE DATOS DE XMM-NEWTON.

Entity where project took place: UNIVERSIDAD DE CANTABRIA**Name principal investigator (PI, Co-PI....):** FRANCISCO JESUS CARRERA TROYANO**Nº of researchers:** 1**Funding entity or bodies:**



MINISTERIO DE CIENCIA Y TECNOLOGIA

Start date: 01/10/2002**Duration:** 1 year**Total amount:** 6.900 €**24 Name of the project:** VERIFICACION, VALIDACION Y CONTROL DE CALIDAD DE LOS PRODUCTOS DE LA CADENA DE PROCESADO DE DATOS DE XMM-NEWTON**Entity where project took place:** UNIVERSIDAD DE CANTABRIA**Name principal investigator (PI, Co-PI....):** FRANCISCO JESUS CARRERA TROYANO**Nº of researchers:** 2**Funding entity or bodies:**

MINISTERIO DE CIENCIA Y TECNOLOGIA

Start date: 28/12/2001**Duration:** 2 years**Total amount:** 60.851,28 €**25 Name of the project:** Presente y futuro de la exploración del Universo en rayos X: explotación científica de XMM-Newton y estudio de viabilidad de misiones futuras**Entity where project took place:** CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS (CSIC)**Name principal investigator (PI, Co-PI....):** Xavier Barcons Jáuregui**Nº of researchers:** 2**Funding entity or bodies:**

MINISTERIO DE CIENCIA Y TECNOLOGIA

Start date: 18/12/2000**Duration:** 2 years - 11 months - 20 days**Total amount:** 67.313 €**26 Name of the project:** Propuesta, participación y explotación científica de misiones espaciales de Astronomía de rayos X**Entity where project took place:** Consejo Superior de Investigaciones Científicas**Name principal investigator (PI, Co-PI....):** FRANCES XAVIER BARCONS JAUREGUI**Nº of researchers:** 2**Funding entity or bodies:**

Direccion General de Enseñanza Superior e Investigación Científica

Start date: 01/11/1998**Duration:** 2 years - 11 months - 20 days**Total amount:** 0 €**27 Name of the project:** Estudio prospectivo de los efectos del ruido de confusión en los datos de la cámara EPIC en XMM dentro del consorcio XMM Survey Science Centre**Entity where project took place:** Consejo Superior de Investigaciones Científicas**Name principal investigator (PI, Co-PI....):** FRANCES XAVIER BARCONS JAUREGUI**Nº of researchers:** 3**Funding entity or bodies:**

Comisión Interministerial de Ciencia y Tecnología

Type of entity: Body, others**Start date:** 01/09/1997**Duration:** 12 months**Total amount:** 0 €**28 Name of the project:** Estudio multirango de los núcleos activos de galaxias y cuásares**Entity where project took place:** Consejo Superior de Investigaciones Científicas**Name principal investigator (PI, Co-PI....):** FRANCES XAVIER BARCONS JAUREGUI**Nº of researchers:** 4**Funding entity or bodies:**



Direccion General de Enseñanza Superior

Start date: 01/11/1996

Duration: 2 years - 11 months - 20 days

Total amount: 34.237 €

29 Name of the project: ROSAT International X-ray Optical Survey

Entity where project took place: Mullard Space Science Laboratory (UCL)

Name principal investigator (PI, Co-PI....): FRANCISCO JESUS CARRERA TROYANO

Nº of researchers: 1

Funding entity or bodies:

Royal Society (Reino Unido)

Start date: 01/01/1994

Duration: 12 months

Total amount: 6.000 €

30 Name of the project: Propiedades de Fuentes Extragalácticas de Rayos X

Entity where project took place: Consejo Superior de Investigaciones Científicas

Name principal investigator (PI, Co-PI....): FRANCES XAVIER BARCONS JAUREGUI

Nº of researchers: 3

Funding entity or bodies:

Dirección general de Investigación Científica y Técnica

Start date: 31/05/1993

Duration: 2 years - 11 months - 20 days

Total amount: 13.815 €

31 Name of the project: Observación y análisis de la Radiación Cósmica de Fondo y Nucleosíntesis Primigenia.

Entity where project took place: UNIVERSIDAD DE CANTABRIA

Name principal investigator (PI, Co-PI....): JOSE LUIS SANZ ESTEVEZ

Nº of researchers: 8

Funding entity or bodies:

Dirección general de Investigación Científica y Técnica

Start date: 01/01/1991

Duration: 2 years - 11 months - 20 days

Total amount: 0 €

R&D non-competitive contracts, agreements or projects with public or private entities

1 Name of the project: COORDINACION DE LAS ACTIVIDADES CIENTIFICAS, OBSERVACIONALES, DIDACTICAS Y DIVULGATIVAS DEL OBSERVATORIO ASTRONOMICO DE CANTABRIA

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): FRANCISCO JESUS CARRERA TROYANO

Nº of researchers: 8

Funding entity or bodies:

CENTRO DE INVESTIGACION DEL MEDIO AMBIENTE - CIMA

Start date: 29/11/2007

Duration: 3 years - 1 month - 3 days

Total amount: 188.935,62 €

2 Name of the project: ADELANTO I.F.C.

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): LUIS PESQUERA GONZALEZ

Nº of researchers: 7

**Funding entity or bodies:**

VICERRECTORADO DE INVESTIGACION

Start date: 27/12/1996**Duration:** 5 years - 6 days**Total amount:** 0 €

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Mike Cruise; Matteo Guainazzi; James Aird; FRANCISCO JESUS CARRERA TROYANO; Elisa Costantini; Lia Corrales; Thomas Dauser; Dominique Eckert; Fabio Gastaldello; Hironori Matsumoto; Rachel Osten; Pierre-Olivier Petrucci; Delphine Porquet; Gabriel W. Pratt; Nanda Rea; Thomas H. Reiprich; Aurora Simionescu; Daniele Spiga; Eleonora Troja. The NewAthena mission concept in the context of the next decade of X-ray astronomy. *Nature Astronomy*. 31/12/2024. ISSN 2397-3366

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Impact index in year of publication:** 13.3

- 2** LORENZO BARQUIN GONZALEZ; SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO; I. Ordovás-Pascual; A. Alonso-Herrero; A. Caccianiga; N. Cardiel; AMALIA CORRAL RAMOS; ROSA MARIA DOMINGUEZ QUINTERO; I. García-Bernete; GEORGIOS MOUNTRICHAS; P. Severgnini. Extinction and AGN over host galaxy contrast effects on the optical spectroscopic classification of AGN. *Astronomy & Astrophysics*. 687, pp. 159. 01/07/2024. ISSN 1432-0746

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Impact index in year of publication:** 4.8

- 3** FRANCISCO JESUS CARRERA TROYANO. Planetas y satélites: viajando por el espacio. SUMA 39 REVISTA SOBRE LA ENSEÑANZA Y APRENDIZAJE DE LAS MATEMATICAS. 106, pp. 71 - 78. 01/04/2024. ISSN 1130488X

Type of production: Scientific paper**Format:** Journal

- 4** GEORGIOS MOUNTRICHAS; V. A. Masoura; AMALIA CORRAL RAMOS; FRANCISCO JESUS CARRERA TROYANO. Comparative analysis of the SFR of AGN and non-AGN galaxies, as a function of stellar mass, AGN power, cosmic time, and obscuration. *Astronomy & Astrophysics*. 683, pp. 143. 01/03/2024. ISSN 1432-0746

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Impact index in year of publication:** 4.8

- 5** GEORGIOS MOUNTRICHAS; A. Viitanen; FRANCISCO JESUS CARRERA TROYANO; H. Stiele; A. Ruiz; I. Georgantopoulos; SILVIA MATEOS IBAÑEZ; AMALIA CORRAL RAMOS. The link among X-ray spectral properties, AGN structure, and the host galaxy. *Astronomy & Astrophysics*. 683, pp. 172. 01/03/2024. ISSN 1432-0746

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Impact index in year of publication:** 4.8



- 6** O Torbaniuk; M Paolillo; R D'Abrusco; C Vignali; A Georgakakis; FRANCISCO JESUS CARRERA TROYANO; F Civano. Probing supermassive black hole growth and its dependence on stellar mass and star formation rate in low-redshift galaxies. *Monthly Notices of the Royal Astronomical Society*. 527 - 4, pp. 12091. 01/02/2024. ISSN 1365-2966
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.8
- 7** Natalie A. Webb; FRANCISCO JESUS CARRERA TROYANO; Axel Schwope; Christian Motch; Jean Ballet; Mike Watson; Mat Page; Michael Freyberg; Ioannis Georgantopoulos; Mickael Coriat; Didier Barret; Zoe Massida; Maitrayee Gupta; Hugo Tranin; Erwan Quintin; MARIA TERESA CEBALLOS MERINO; SILVIA MATEOS IBAÑEZ; AMALIA CORRAL RAMOS; ROSA MARIA DOMINGUEZ QUINTERO; Holger Stiele; Iris Traulsen; Adriana Pires; Ada Nebot; Laurent Michel; François Xavier Pineau; Jere Kuuttila; Pierre Maggi; Sudip Chakraborty; Keir Birchall; Paul Kuin; Athanassios Akylas; Angel Ruiz; Ektoras Pouliasis; Antonis Georgakakis. XMM2ATHENA, the H2020 project to improve XMM-Newton analysis software and prepare for Athena. *Astronomische Nachrichten*. 344 - 7, pp. 1. 01/09/2023. ISSN 1521-3994
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- 8** Brivael Laloux; Antonis Georgakakis; Carolina Andonie; David M Alexander; Angel Ruiz; David J Rosario; James Aird; Johannes Buchner; FRANCISCO JESUS CARRERA TROYANO; Andrea Lapi; Cristina Ramos Almeida; Mara Salvato; Francesco Shankar. The demographics of obscured AGN from X-ray spectroscopy guided by multiwavelength information. *Monthly Notices of the Royal Astronomical Society*. 518 - 2, pp. 2546 - 2566. 11/11/2022. ISSN 1365-2966
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- 9** Luigi Piro; Markus Ahlers; Alexis Coleiro; Monica Colpi; Emma de Oña Wilhelmi; Matteo Guainazzi; Peter G. Jonker; Paul Mc Namara; David A. Nichols; Paul O'Brien; Eleonora Troja; Jacco Vink; James Aird; Lorenzo Amati; Shreya Anand; Enrico Bozzo; FRANCISCO JESUS CARRERA TROYANO; Andrew C. Fabian; Christopher Fryer; Evan Hall; Oleg Korobkin; Valeriya Korol; Alberto Mangiagli; SILVIA MARTINEZ NUÑEZ; Samaya Nissanke; Julien Osborne; Paolo Padovani; Elena M. Rossi; Geoffrey Ryan; Alberto Sesana; Giulia Stratta; Niel Tanvir; Hendrik van Eerten. Athena synergies in the multi-messenger and transient universe. *Experimental Astronomy*. 54 - 1, pp. 23 - 217. 01/08/2022. ISSN 1572-9508
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- 11** L. Bisigello; C. Gruppioni; F. Calura; A. Feltre; F. Pozzi; C. Vignali; L. Barchiesi; G. Rodighiero; M. Negrello; K.M. Dasyra; FRANCISCO JESUS CARRERA TROYANO; J. A. Fernández-Ontiveros; M. Giard; E. Hatziminaoglou; H. Kaneda; E. Lusso; M. Pereira-Santaella; P. G. Pérez González; C. Ricci; D. Schaefer; L. Spinoglio; L. Wang. Simulating infrared spectro-photometric surveys with a Spritz. Publications of the Astronomical Society of Australia. 38, pp. 64. 17/12/2021. ISSN 1448-6083

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- 13** L. Barchiesi; F. Pozzi; C. Vignali; FRANCISCO JESUS CARRERA TROYANO; F. Vito; F. Calura; L. Bisigello; G. Lanzuisi; C. Gruppioni; E. Lusso; I. Delvecchio; M. Negrello; A. Cooray; A. Feltre; J. A. Fernández-Ontiveros; S. Gallerani; H. Kaneda; S. Oyabu; M. Pereira-Santaella; E. Piconcelli; C. Ricci; G. Rodighiero; L. Spinoglio; F. Tombesi. The role of SPICA-like missions and the Origins Space Telescope in the quest for heavily obscured AGN and synergies with Athena. Publications of the Astronomical Society of Australia. 38, pp. 33. 23/07/2021. ISSN 1448-6083

Type of production: Scientific paper

Format: Journal

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Impact index in year of publication: 5.571

- 14** O Torbaniuk; M Paolillo; FRANCISCO JESUS CARRERA TROYANO; S Cavuoti; C Vignali; G Longo; J Aird. The connection between star formation and supermassive black hole activity in the local Universe. Monthly Notices of the Royal Astronomical Society. 506 - 2, pp. 2619 - 2637. 28/06/2021. ISSN 1365-2966

Type of production: Scientific paper

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- 15** Luigi Spinoglio; Sabrina Mordini; Juan Antonio Fernández-Ontiveros; Almudena Alonso-Herrero; Lee Armus; Laura Bisigello; Francesco Calura; FRANCISCO JESUS CARRERA TROYANO; Asantha Cooray; Helmut Dannerbauer; Roberto Decarli; Eiichi Egami; David Elbaz; Alberto Franceschini; Eduardo González Alfonso; Luca Graziani; Carlotta Gruppioni; Evanthia Hatziminaoglou; Hidehiro Kaneda; Kotaro Kohno; Álvaro Labiano; Georgios Magdis; Matthew A. Malkan; Hideo Matsuhara; Tohru Nagao; David Naylor; Miguel Pereira-Santaella; Francesca Pozzi; Giulia Rodighiero; Peter Roelfsema; Stephen Serjeant; Cristian Vignali; Lingyu Wang; Toru Yamada. Mid-IR cosmological spectrophotometric surveys from space: Measuring AGN and star formation at the cosmic noon with a SPICA-like mission. Publications of the Astronomical Society of Australia. 38, pp. 57. 23/04/2021. ISSN 1448-6083

Type of production: Scientific paper

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Type of production: Scientific paper

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Impact index in year of publication: 5.636

- 17** N. A. Webb; M. Coriat; I. Traulsen; J. Ballet; C. Motch; FRANCISCO JESUS CARRERA TROYANO; F. Koliopanos; J. Authier; I. de la Calle; MARIA TERESA CEBALLOS MERINO; E. Colomo; D. Chuard; M. Freyberg; T. Garcia; M. Kolehmainen; G. Lamer; D. Lin; P. Maggi; L. Michel; C. G. Page; M. J. Page; J. V. Perea-Calderon; F.-X. Pineau; P. Rodriguez; S. R. Rosen; M. Santos Lleo; R. D. Saxton; A. Schwone; L. Tomás; M. G. Watson; A. Zakardjian. The XMM-Newton serendipitous survey. IX. The fourth XMM-Newton serendipitous source catalogue. *Astronomy & Astrophysics*. 641, pp. 136. 01/09/2020. ISSN 1432-0746
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.636
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Impact index in year of publication: 5.636
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- 21** Stefano Bianchi; Robert Antonucci; Alessandro Capetti; Marco Chiaberge; Ari Laor; Loredana Bassani; FRANCISCO JESUS CARRERA TROYANO; Fabio La Franca; Andrea Marinucci; Giorgio Matt; Riccardo Middei; Francesca Panessa. HST unveils a compact mildly relativistic broad-line region in the candidate true type 2 NGC 3147. *Monthly Notices of the Royal Astronomical Society: Letters*. 488 - 1, pp. 1 - 5. 01/09/2019. ISSN 1745-3933
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Impact index in year of publication: 6.209

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Format: Journal

Impact source: ISI

Impact index in year of publication: 5.185

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Impact index in year of publication: 4.095

- 31** E. González-Alfonso; FRANCISCO JESUS CARRERA TROYANO; L. Armus; V. Charmandaris; A. Efstathiou; E. Egami; J. A. Fernández-Ontiveros; J. Fischer; G. L. Granato; C. Gruppioni; E. Hatziminaoglou; M. Imanishi; N. Isobe; H. Kaneda; D. Koziel-Wierzbowska; M. A. Malkan; J. Martín-Pintado; S. Mateos; H. Matsuhara; G. Miniutti; T. Nakagawa; F. Pozzi; F. Rico-Villas; G. Rodighiero; P. Roelfsema; L. Spinoglio; H. W. W. Spoon; E. Sturm; F. van der Tak; C. Vignali; L. Wang. Feedback and Feeding in the Context of Galaxy Evolution with SPICA: Direct Characterisation of Molecular Outflows and Inflows. Publications of the Astronomical Society of Australia. 34, pp. 1 - 17. 10/11/2017. ISSN 1448-6083

Type of production: Scientific paper

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Impact index in year of publication: 4.095

- 32** SILVIA MATEOS IBÁÑEZ; FRANCISCO JESUS CARRERA TROYANO; FRANCESC XAVIER BARCONS JAUREGUI; A. Alonso-Herrero; A. Hernán-Caballero; M. Page; C. Ramos Almeida; A. Caccianiga; T. Miyaji; A. Blain. Survival of the Obscuring Torus in the Most Powerful Active Galactic Nuclei. The Astrophysical Journal. 841 - 2, pp. 18. 24/05/2017. ISSN 2041-8213

Type of production: Scientific paper

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Impact index in year of publication: 5.487

- 33** Kirpal Nandra; Didier Barret; Randall Smith; FRANCISCO JESUS CARRERA TROYANO. Athena: Revealing the Hot and Energetic Universe. Newsletter of the HEAD. pp. 13 - 14. 01/05/2017. ISSN HEAD

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Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.952

- 35** Stefano Bianchi; Andrea Marinucci; Giorgio Matt; Riccardo Middei; FRANCESC XAVIER BARCONS JAUREGUI; Loredana Bassani; FRANCISCO JESUS CARRERA TROYANO; Fabio La Franca; Francesca Panessa. The NuSTAR view of the true type 2 Seyfert NGC 3147. Monthly Notices of the Royal Astronomical Society. 468 - 3, pp. 2740 - 2744. 16/03/2017. ISSN 1365-2966

Type of production: Scientific paper

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**Impact source:** ISI**Impact index in year of publication:** 4.952

- 36** G. Mountrichas; I. Georgantopoulos; N. J. Secrest; IGNACIO ORDOVAS PASCUAL; AMALIA CORRAL RAMOS; A. Akylas; SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO; E. Batziou. Searching for luminous absorbed sources in the WISE AGN catalogue. *Monthly Notices of the Royal Astronomical Society*. 468 - 3, pp. 3042 - 3050. 07/03/2017. ISSN 1365-2966

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- 37** F.-X. Pineau; S. Derriere; C. Motch; FRANCISCO JESUS CARRERA TROYANO; F. Genova; L. Michel; B. Mingo; A. Mints; A. Nebot Gómez-Morán; S. R. Rosen; ANGEL RUIZ CAMUÑAS. Probabilistic multi-catalogue positional cross-match. *Astronomy & Astrophysics*. 597, 01/01/2017. ISSN 1432-0746

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Impact index in year of publication:** 5.185

- 38** Alexey Mints; Axel Schwone; Simon Rosen; François-Xavier Pineau; FRANCISCO JESUS CARRERA TROYANO. The Integrated Cluster Finder for the ARCHES project. *Astronomy & Astrophysics*. 597, 01/01/2017. ISSN 1432-0746

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- 39** Zhu Liu; Weimin Yuan; Youjun Lu; FRANCISCO JESUS CARRERA TROYANO; Serena Falocco; Xiao-Bo Dong. Dependence of the broad Fe K α line on the physical parameters of AGN. *Monthly Notices of the Royal Astronomical Society*. 463 - 1, pp. 684 - 695. 01/11/2016. ISSN 1365-2966

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- 40** B. Mingo; M. G. Watson; S. R. Rosen; M. J. Hardcastle; ANGEL RUIZ CAMUÑAS; A. Blain; FRANCISCO JESUS CARRERA TROYANO; SILVIA MATEOS IBAÑEZ; F.-X. Pineau; G. C. Stewart. The MIXR sample: AGN activity versus star formation across the cross-correlation of WISE, 3XMM, and FIRST/NVSS. *Monthly Notices of the Royal Astronomical Society*. 462 - 3, pp. 2631 - 2667. 01/11/2016. ISSN 1365-2966

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Impact index in year of publication:** 4.952

- 41** M. J. Page; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; AMALIA CORRAL RAMOS; J. Ebrero; P. Esquej; M. Krumpe; SILVIA MATEOS IBAÑEZ; S. Rosen; A. Schwone; A. Streblyanska; M. Symeonidis; J. A. Tedds; M. G. Watson. X-ray-selected broad absorption line quasi-stellar objects. *Monthly Notices of the Royal Astronomical Society*. 464 - 4, pp. 4586. 08/10/2016. ISSN 1365-2966

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Impact index in year of publication:** 4.952



- 42** P. Ranalli; E. Koulouridis; I. Georgantopoulos; S. Fotopoulou; L.-T. Hsu; M. Salvato; A. Comastri; M. Pierre; N. Cappelluti; FRANCISCO JESUS CARRERA TROYANO; L. Chiappetti; N. Clerc; R. Gilli; K. Iwasawa; F. Pacaud; S. Paltani; E. Plionis; C. Vignali. The 2–10 keV unabsorbed luminosity function of AGN from the LSS, CDFS, and COSMOS surveys. *Astronomy & Astrophysics*. 590, pp. 80 - 95. 01/06/2016. ISSN 1432-0746

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 5.185

- 43** S. R. Rosen; N. A. Webb; M. G. Watson; J. Ballet; D. Barret; V. Braito; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; M. Coriat; R. Della Ceca; G. Denkinson; P. Esquej; S. A. Farrell; M. Freyberg; F. Grisé; P. Guillout; L. Heil; F. Koliopanou; D. Law-Green; G. Lamer; D. Lin; R. Martino; L. Michel; C. Motch; A. Nebot Gomez-Moran; C. G. Page; K. Page; M. Page; M. W. Pakull; J. Pye; A. Read; P. Rodriguez; M. Sakano; R. Saxton; A. Schworer; A. E. Scott; R. Sturm; I. Traulsen; V. Yershov; I. Zolotukhin. The XMM-Newton serendipitous survey. VII. The third XMM-Newton serendipitous source catalogue. *Astronomy & Astrophysics*. 590, pp. 1 - 22. 01/06/2016. ISSN 1432-0746

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 5.185

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- 45** C. Vignali; K. Iwasawa; A. Comastri; R. Gilli; G. Lanzuisi; P. Ranalli; N. Cappelluti; V. Mainieri; I. Georgantopoulos; FRANCISCO JESUS CARRERA TROYANO; J. Fritz; M. Brusa; W. N. Brandt; F. E. Bauer; F. Fiore; F. Tombesi. The XMM deep survey in the CDF-S. IX. An X-ray outflow in a luminous obscured quasar at $z \sim 1.6$. *Astronomy & Astrophysics*. 583, pp. 141. 01/11/2015. ISSN 1432-0746

Type of production: Scientific paper

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Impact index in year of publication: 5.084

- 46** A. Nebot Gómez-Morán; C. Motch; F.-X. Pineau; FRANCISCO JESUS CARRERA TROYANO; M. W. Pakull; F. Riddick. Infrared identification of hard X-ray sources in the Galaxy. *Monthly Notices of the Royal Astronomical Society*. 452 - 1, pp. 884 - 901. 01/09/2015. ISSN 1365-2966

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- 47** P. Ranalli; I. Georgantopoulos (I. Ge???: A. Corral; L. Koutoulidis (? K??t??íd?; M. Rovilos (E. P?ßí???: FRANCISCO JESUS CARRERA TROYANO; A. Akylas (A. A???a?); A. Del Moro; A. Georgakakis (A. Ge????a???: R. Gilli; C. Vignali. The XMM-Newton survey in the H-ATLAS field. *Astronomy & Astrophysics*. 577, pp. 121. 01/05/2015. ISSN 1432-0746

Type of production: Scientific paper

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Impact index in year of publication: 5.084



- 48** SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO; ALMUDENA ALONSO HERRERO; E. Rovilos; ANTONIO HERNAN CABALLERO; FRANCESCA XAVIER BARCONS JAUREGUI; A. Blain; A. Caccianiga; R. Della Ceca; P. Severgnini. Revisiting the relationship between 6 micron and 2-10 keV continuum luminosities of AGN. Monthly Notices of the Royal Astronomical Society. 449 - 2, pp. 1422 - 1440. 24/03/2015. ISSN 1365-2966

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- 49** ANUAR KHAN ALI FRANCO; FRANCISCO JESUS CARRERA TROYANO; M. J. Page; J. A. Stevens; SILVIA MATEOS IBAÑEZ; M. Symeonidis; J. M. C. Orjales. Submm-bright X-ray-absorbed QSOs at $z > 2$: insights into the coevolution of AGN and star formation. Monthly Notices of the Royal Astronomical Society. 448 - 1, pp. 75 - 89. 03/02/2015. ISSN 1365-2966

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- 142** Page M.J.; Mason K.O.; FRANCISCO JESUS CARRERA TROYANO; Clavel J.; Kaastra J.S.; Puchnarewicz E.M.; Santos-Lleó M.; Brunner H.; Ferrigno C.; George I.M.; Paerels F.; Pounds K.A.; Trudolyubov S.P.. The variable XMM-Newton spectrum of Markarian 766. ASTRONOMY & ASTROPHYSICS (Edición Impresa). 365, pp. 152 - 157. 01/01/2001. ISSN 00046361
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- 143** Page M.J.; Mittaz J.P.D.; FRANCISCO JESUS CARRERA TROYANO. A survey of hard spectrum ROSAT sources - I. X-ray source catalogue. MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. 318, pp. 1073 - 1085. 01/11/2000. ISSN 00358711
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Impact source: ISI
Impact index in year of publication: 4.888
- 144** Page M.J.; Mittaz J.P.D.; FRANCISCO JESUS CARRERA TROYANO. An X-ray-absorbed radio-quiet QSO with an intervening strong metal absorption-line system. MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. 312, pp. 207 - 210. 01/02/2000. ISSN 00358711
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- 146** FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO. La Edad de Oro de la astronomía de rayos X. REVISTA ESPAÑOLA DE FISICA. 14, pp. 6 - 8. 01/01/2000. ISSN 0213862X
Type of production: Scientific paper **Format:** Journal
- 147** Mason K.O.; FRANCISCO JESUS CARRERA TROYANO; Hasinger G.; Andernach H.; Aragon-Salamanca A.; FRANCESC XAVIER BARCONS JAUREGUI; Bower R.; Brandt W.N.; Branduardi-Raymont G.; Burgos-Martín J.; Cabrera-Guerra F.; RUTH CARBALLO FIDALGO; Castander F.; Ellis R.S.; JOSE IGNACIO GONZALEZ SERRANO; ENRIQUE MARTINEZ GONZALEZ; JOSE M. MARTIN MIRONES; Richard G. McMahon; Jonathan P. Mittaz; K.L. Nicholson; Mathew J. Page; Ismael Pérez Fournon; E.M. Puchnarewicz; E. Romero Colmenero; Axel Schwöpe; Baltasar Vila; Mike G. Watson; David Wonnacott. The ROSAT International X-ray/Optical Survey (RIXOS): source catalogue. MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. 311, pp. 456 - 484. 01/01/2000. ISSN 00358711
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.888
- 148** Mittaz J.P.D.; FRANCISCO JESUS CARRERA TROYANO; Romero-Colmenero E.; Mason K.O.; Hasinger G.; McMahon R.; Andernach H.; Bower R.; Burgos-Martin J.; JOSE IGNACIO GONZALEZ SERRANO; Wonnacott D.. X-ray spectra of the RIXOS source sample. MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. 308, pp. 233 - 256. 01/09/1999. ISSN 00358711



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Impact source: ISI
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Format: Journal

- 150** FRANCISCO JESUS CARRERA TROYANO; FRANCES XAVIER BARCONS JAUREGUI; Fabian A.C.; Hasinger G.; Mason K.O.; McMahon R.G.; Mittaz J.P.D; Page M.J.. Clustering of X-ray selected active galactic nuclei. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY.* 299, pp. 229 - 236. 01/08/1998. ISSN 00358711

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Format: Journal

- 151** FRANCES XAVIER BARCONS JAUREGUI; RUTH CARBALLO FIDALGO; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; JOSE IGNACIO GONZALEZ SERRANO; A.C. Fabian; Robert S. Warwick. X-ray Observations of Active Galactic Nuclei in the Cosmological Context. *ASTROPHYSICS AND SPACE SCIENCE.* 263, pp. 115 - 118. 01/06/1998. ISSN 0004640X

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 1.437

Format: Journal

- 152** McHardy I.M.; Jones L.R.; Merrifield M.R.; Mason K.O.; Newsam A.M.; Abraham R.G.; Dalton G.B.; FRANCISCO JESUS CARRERA TROYANO; Smith P.J.; Rowan-Robinson M.; Ponman T.J.; Ponman T.J.; Lehto H.; Branduardi-Raymont G.; Luppino G.A.; Efstathiou G.; Allan D.J.; Quenby J.J.. The origin of the cosmic soft X-ray background - Optical identification of an extremely deep ROSAT survey. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY.* 295, pp. 641 - 671. 01/04/1998. ISSN 00358711

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- 153** FRANCES XAVIER BARCONS JAUREGUI; Fabian A.C.; FRANCISCO JESUS CARRERA TROYANO. Measuring the power spectrum of density fluctuations at intermediate redshift with X-ray background observations. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY.* 293, pp. 60 - 70. 01/01/1998. ISSN 00358711

Type of production: Scientific paper
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Format: Journal

- 154** McHardy I.M.; Jones L.R.; Merrifield M.R.; Mason K.O.; Newsam A.M.; Abraham R.G.; Dalton G.B.; FRANCISCO JESUS CARRERA TROYANO; Smith P.J.; Rowan-Robinson M.; G.A. Weaner; T.J. Ponman; H.J. Lehto; G. Branduardi-Raymont; G.A. Luppino; G. Efstathiou; D.A. Allan; J.J. Quenby. The UK ROSAT Deep Survey. *ASTRONOMISCHE NACHRICHTEN.* 319, pp. 51 - 54. 01/01/1998. ISSN 00046337

Type of production: Scientific paper
Impact source: ISI
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156 Puchnarewicz E.M.; Mason K.O.; FRANCISCO JESUS CARRERA TROYANO; Brandt W.N.; Cabrera-Guerra F.; RUTH CARBALLO FIDALGO; G. Hasinger; R.G. McMahon; J.P.D. Mittaz; M.J. Page; I. Pérez-Fournon; A. Schwone. Optical and X-ray properties of the RIXOS AGN: II – Emission lines. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY.* 291, pp. 177 - 202. 01/10/1997. ISSN 00358711

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161 Puchnarewicz E.M.; Mason K.O.; FRANCISCO JESUS CARRERA TROYANO. Double-peaked Balmer line emission in the radio-quiet AGN RX J1042+1212. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY.* 283, pp. 1311 - 1321. 01/12/1996. ISSN 00358711

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- 163** Puchnarewicz E.; Mason K.O.; Romero-Colmenero E.; FRANCISCO JESUS CARRERA TROYANO; Hasinger G.; McMahon R.; Mittaz J.P.D.; Page Mathew J.; RUTH CARBALLO FIDALGO. Optical and X-ray properties of the RIXOS AGN: I – The continua. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY.* 281, pp. 1243 - 1266. 01/08/1996. ISSN 00358711

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- 164** Mathew J. Page; FRANCISCO JESUS CARRERA TROYANO; G. Hasinger; Keith O. Mason; Richard G. McMahon; J.P.D. Mittaz; FRANCESCA XAVIER BARCONS JAUREGUI; RUTH CARBALLO FIDALGO; JOSE IGNACIO GONZALEZ SERRANO; Ismael Perez Fournon. The luminosity function evolution of soft X-ray-selected active galactic nuclei in the RIXOS survey. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY.* 281, pp. 579 - 590. 01/07/1996. ISSN 0035-8711

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- 165** Francisco J. Castander Serentill; Richard G. Bower; Richard S. Ellis; Alfonso Aragón Salamanca; Keith O. Mason; Günther Hasinger; R.G. McMahon; FRANCISCO JESUS CARRERA TROYANO; J.P.D. Mittaz; Ismael Pérez-Fournon; H. Lehto. Deficit of distant X-ray-emitting galaxy clusters and implications for cluster evolution. *NATURE.* 377, pp. 39 - 41. 01/09/1995. ISSN 00280836

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- 166** FRANCISCO JESUS CARRERA TROYANO; FRANCESCA XAVIER BARCONS JAUREGUI; J.A. Butcher; Andrew C. Fabian; Ofer Lahav; Gordon C. Stewart; Robert S. Warwick. Nearby Galaxies and the Ginga X-ray Background. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY.* 275, pp. 22 - 30. 01/07/1995. ISSN 00358711

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- 167** FRANCISCO JESUS CARRERA TROYANO; FRANCESCA XAVIER BARCONS JAUREGUI; Jacqueline Butcher; Fabian A.C.; Lahav O.; Stewart G.C.; Warwick R.S.. Correlation of the 2–10 keV X-ray background with nearby galaxies. *ADVANCES IN SPACE RESEARCH.* 16, pp. 111 - 114. 01/03/1995. ISSN 02731177

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- 168** Branduardi-Raymont G.; Mason K.O.; Warwick R.S.; FRANCISCO JESUS CARRERA TROYANO; Graffagnino V.G.; Mittaz J.P.D.; Puchnarewicz E.M.; Smith P.J.; Barber C.R.; Pounds K.A.; G.C. Stewart; I.M. McHardy; L.R. Jones; M.R. Merrifield; A.C. Fabian; R.G. McMahon; M.J. Ward; I.M. George; M.H. Jones; A. Lawrence; M. Rowan-Robinson. The U.K. Deep and Medium Surveys with ROSAT: logN-logS Relation. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*. 270, pp. 947 - 957. 01/10/1994. ISSN 00358711
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- 169** Lahav O.; Fabian A.C.; FRANCESCA XAVIER BARCONS JAUREGUI; Boldt E.; Butcher J.; FRANCISCO JESUS CARRERA TROYANO; Jahoda K.; Miyaji T.; Stewart G.C.; Warwick R.S.. A significant contribution to the cosmic X-ray background from sources associated with nearby galaxies. *NATURE*. 364, pp. 693 - 695. 01/08/1993. ISSN 00280836
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- 170** FRANCISCO JESUS CARRERA TROYANO; FRANCESCA XAVIER BARCONS JAUREGUI; Butcher J.A.; Fabian A.C.; Stewart G.C.; LUIGI TOFFOLATTI; Warwick R.S.; Hayashida K.; Inoue H.; Kondo H.. The subdegree angular structure of the X-ray sky as seen by the GINGA satellite. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*. 260, pp. 376 - 384. 01/01/1993. ISSN 00358711
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Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 1.437



Works submitted to national or international conferences

1 Title of the work: A Wide Area Survey for Hard Spectrum ROSAT Sources

Name of the conference: THE NEW ERA OF WIDE FIELD ASTRONOMY

Type of participation: Participatory - oral communication

City of event: San Francisco, United States of America

PAGE M.J.; MITTAZ J.P.D.; FRANCISCO JESUS CARRERA TROYANO. ASP Conf. Series 232, pp. 187 - 192. 01/01/2001.

2 Title of the work: A complete X-ray and optical view on the absorption in BALQSOs

Name of the conference: X-RAY ASTRONOMY 2009; PRESENT STATUS, MULTI-WAVELENGTH APPROACH AND FUTURE PERSPECTIVES

Type of participation: 'Participatory - poster

City of event: Bologna, Italy

ALINA STREBLYANSKA; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; RODRIGO GIL-MERINO RUBIO. AIP Conference Proce - 1248, pp. 513 - 514. 01/07/2010.

3 Title of the work: A survey for hard spectrum ROSAT sources

Name of the conference: X-RAY ASTRONOMY

Type of participation: 'Participatory - poster

City of event: Bolonia, Italy

PAGE M.J.; MITTAZ J.P.D.; FRANCISCO JESUS CARRERA TROYANO. AIP Conf. Proc. 599, pp. 822 - 825. 01/01/2001.

4 Title of the work: A survey of hard spectrum ROSAT sources: XMM-Newton data and optical-X-ray colours

Name of the conference: New visions of the X-ray Universe

Type of participation: Participatory - oral communication

City of event: Noordwijk, Holland

FRANCISCO JESUS CARRERA TROYANO; Page M.J.; Stevens J.A.ESA SP-488, 29/11/2001.

5 Title of the work: AGN surveys

Name of the conference: Spanish X-ray Astronomy 2015

Type of participation: Participatory - invited/keynote talk

City of event: Santander, Spain

FRANCISCO JESUS CARRERA TROYANO. 04/06/2015.

6 Title of the work: AXIS (An XMM-Newton International Survey): a Progress Report

Name of the conference: NEW CENTURY OF X-RAY ASTRONOMY

Type of participation: Participatory - oral communication

City of event: Japan

FRANCESCA XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO. ASP Conf. Proc. 251, pp. 160 - 163. 01/01/2001.

7 Title of the work: An X-ray and MIR perspective on AGN unification

Name of the conference: XII Reunión Científica de la Sociedad Española de Astronomía

Type of participation: Participatory - oral communication

City of event: Bilbao, Spain

FRANCISCO JESUS CARRERA TROYANO; PEDRO JOSE FERNANDEZ MANTECA; SILVIA MATEOS IBAÑEZ. "Highlights on Spanish Astrophysics IX, Proceedings of the XII Scientific Meeting of the Spanish Astronomical Society". 01/03/2017. ISBN 9788460687603



8 **Title of the work:** An X-ray outflow in a luminous obscured quasar at z=1.6 in the Chandra Deep Field-South

Name of the conference: The X-ray Universe 2014

Type of participation: 'Participatory - poster

City of event: Dublin, Ireland

C. Vignali; A. Comastri; R. Gilli; K. Iwasawa; P. Ranalli; N. Cappelluti; G. Lanzuisi; I. Georgantopoulos; FRANCISCO JESUS CARRERA TROYANO. pp. 328. 01/07/2014.

9 **Title of the work:** An XMM-Newton Study of Hyper-Luminous Infrared Galaxies

Name of the conference: THE X-RAY UNIVERSE

Type of participation: 'Participatory - poster

City of event: El Escorial, Spain

ANGEL RUIZ CAMUÑAS; FRANCISCO JESUS CARRERA TROYANO; FRANCESCA PANESSA. ESA SP-604, pp. 659 - 660. 01/01/2006.

10 **Title of the work:** An XMM-Newton study of Hyper Luminous Infrared Galaxies

Name of the conference: XEUS: Visions of the Extreme Universe

Type of participation: Participatory - oral communication

City of event: Londres, United Kingdom

FRANCISCO JESUS CARRERA TROYANO. 02/04/2007.

11 **Title of the work:** Are strongly variable Seyfert 2 galaxies really AGN without a BLR?

Name of the conference: X-ray Universe

Type of participation: 'Participatory - poster

City of event: Granada, Spain

FRANCESCA PANESSA; FRANCISCO JESUS CARRERA TROYANO; Stefano Bianchi; FRANCESC XAVIER BARCONS JAUREGUI; Loredana Bassani; AMALIA CORRAL RAMOS; Giorgio Matt. 01/07/2008.

12 **Title of the work:** Athena Community Office

Name of the conference: XII Reunión Científica de la Sociedad Española de Astronomía

Type of participation: 'Participatory - poster

City of event: Bilbao, Spain

SILVIA MARTINEZ NUÑEZ; FRANCESC XAVIER BARCONS JAUREGUI; D. Barret; E. Bozzo; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; S. Gomez; MARIA PILAR MONTERDE VILLAR; A. Rau. "Highlights on Spanish Astrophysics IX, Proceedings of the XII Scientific Meeting of the Spanish Astronomical Society". 01/03/2017. ISBN 9788460687603

13 **Title of the work:** Athena and other X-ray observatories to answer questions about AGN (and much more)

Name of the conference: Bid4BESt Network Training Event

Type of participation: Participatory - invited/keynote talk

City of event: San Sebastian, Spain

FRANCISCO JESUS CARRERA TROYANO; SILVIA MARTINEZ NUÑEZ; MARIA TERESA CEBALLOS MERINO. 06/06/2023.

14 **Title of the work:** Athena and the high energy Universe

Name of the conference: Science and development of eXTP in Spain

Type of participation: Participatory - invited/keynote talk

City of event: Barcelona, Spain

FRANCISCO JESUS CARRERA TROYANO. 22/01/2020.



15 Title of the work: Athena surveys of the Hot and Energetic Universe
Name of the conference: X-ray Surveys of the Hot and Energetic Universe
Type of participation: Participatory - invited/keynote talk
City of event: Harbin, China
FRANCISCO JESUS CARRERA TROYANO. 16/01/2019.

16 Title of the work: Athena+: The first Deep Universe X-ray Observatory
Name of the conference: Annual meeting of the French Society of Astronomy and Astrophysics 2013
Type of participation: Participatory - oral communication
City of event: Montpellier, France
D. Barret; K. Nandra; FRANCESC XAVIER BARCONS JAUREGUI; A.C. Fabian; J.W. den Herder; L. Piro; M.G. Watson; J. Aird; G. Branduardi-Raymont; M. Cappi; FRANCISCO JESUS CARRERA TROYANO; et al. pp. 447 - 453. 01/11/2013.

17 Title of the work: Athena, the ESA observatory to study AGN in the Hot and Energetic Universe
Name of the conference: IV Meeting of AGN research in Spain
Type of participation: Participatory - invited/keynote talk
City of event: La Laguna, Tenerife, Spain
FRANCISCO JESUS CARRERA TROYANO. 30/10/2016.

18 Title of the work: Athena: ESA's X-ray observatory to study the Hot and Energetic Universe
Name of the conference: Spanish X-ray Astronomy 2017 "The path towards Athena"
Type of participation: Participatory - invited/keynote talk
City of event: Granada, Spain
FRANCISCO JESUS CARRERA TROYANO. 23/10/2017.

19 Title of the work: Athena: Mission and Spanish participation
Name of the conference: XIII Scientific Meeting of the Spanish Astronomical Society
Type of participation: Participatory - invited/keynote talk
City of event: Salamanca, Spain
FRANCISCO JESUS CARRERA TROYANO. "Proceedings of the XIII Scientific Meeting of the Spanish Astronomical Society held on July 16-20, 2018, in Salamanca, Spain". 17/07/2018. ISBN 9788409093311

20 Title of the work: Athena: an ESA flagship X-ray Observatory to investigate the Hot and Energetic Universe
Name of the conference: Towards the next generation of X-ray surveys with Athena
Type of participation: Participatory - invited/keynote talk
City of event: Valencia, Spain
FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; SILVIA MARTINEZ NUÑEZ. 30/06/2022.

21 Title of the work: Automated Redshift estimation from X-ray AGN spectra. Obtaining Representative AGN Spectral Shapes from nearby AGN
Name of the conference: Exploring the Hot and Energetic Universe. The third scientific conference dedicated to the Athena X-ray observatory
Type of participation: 'Participatory - poster
City of event: Barcelona, Spain
KOUSHIKA VAIYAPURI PALANIMUTHU; AMALIA CORRAL RAMOS; FRANCISCO JESUS CARRERA TROYANO; A. Akylas; A. Georgakakis; B. Laloux; A. Ruiz. 07/11/2022.



22 Title of the work: Average Fe K-alpha emission from distant AGN

Name of the conference: X-ray Universe

Type of participation: Participatory - oral communication

City of event: Granada, Spain

AMALIA CORRAL RAMOS; Mathew Page; FRANCISCO JESUS CARRERA TROYANO; FRANCESC XAVIER BARCONS JAUREGUI; JACOBO EBRERO CABRERO; SILVIA MATEOS IBAÑEZ; Jonathan Tedds; M.G. Watson; Axel Schwope; Mirko Krumpe. 01/07/2008.

23 Title of the work: Average Iron Line Emission from Distant AGN

Name of the conference: VIII REUNIÓN CIENTÍFICA DE LA SOCIEDAD ESPAÑOLA DE ASTRONOMÍA

Type of participation: Participatory - oral communication

City of event: Santander, Spain

AMALIA CORRAL RAMOS; Mathew J. Page; FRANCISCO JESUS CARRERA TROYANO; FRANCESC XAVIER BARCONS JAUREGUI; SILVIA MATEOS IBAÑEZ; JACOBO EBRERO CABRERO; Mirko Krumpe; Axel Schwope; Jonathan Tedds; Michael G. Watson. ISBN 978-3-642-11249, pp. 273. 01/01/2010.

24 Title of the work: BUXS-WISE: a wealth of information on highly-luminous heavily-absorbed AGN

Name of the conference: Half a century of X-ray astronomy

Type of participation: Participatory - oral communication

City of event: Mykonos, Greece

SILVIA MATEOS IBAÑEZ; ALMUDENA ALONSO HERRERO; FRANCISCO JESUS CARRERA TROYANO; Andrew Blain; M.G. Watson; FRANCESC XAVIER BARCONS JAUREGUI; Valentina Braito; Paola Severgnini; J. L. Donley; D. Stern. 17/09/2012.

25 Title of the work: Beyond the Lockman Hole: spectroscopy of the absorbed Universe

Name of the conference: XMM-Newton: the Next Decade

Type of participation: Participatory - oral communication

City of event: ESAC, Madrid, Spain

FRANCISCO JESUS CARRERA TROYANO. 04/06/2007.

26 Title of the work: Biased galaxy formation in the fields of high-redshift AGN

Name of the conference: Studying Galaxy Evolution with Spitzer and Hersche

Type of participation: Participatory - oral communication

City of event: Agios Nikolaos, Creta, Greece

Stevens J.A.; Page M.J.; FRANCISCO JESUS CARRERA TROYANO; Ivison R.J.; Smail I.Crete University Pre, 01/10/2006.

27 Title of the work: Broad-band spectral properties of absorbed BLAGN from the 2XMMi-SDSS catalogues

Name of the conference: 38th COSPAR Scientific Assembly

Type of participation: 'Participatory - poster

City of event: Bremen, Germany

ALINA STREBLYANSKA; FRANCISCO JESUS CARRERA TROYANO; FRANCESC XAVIER BARCONS JAUREGUI; RODRIGO GIL-MERINO RUBIO. 01/08/2010.

28 Title of the work: Characterising Compton Thick AGN and AGN outflows with Athena

Name of the conference: Exploring the Hot and Energetic Universe. The third scientific conference dedicated to the Athena X-ray observatory

Type of participation: Participatory - oral communication

City of event: Barcelona, Spain

FRANCISCO JESUS CARRERA TROYANO; A. Georgakakis; L. Zappacosta; G. Lanzuisi; GEORGIOS MOUNTRICHAS; KOUSHIKA VAIYAPURI PALANIMUTHU; AMALIA CORRAL RAMOS; A. Ruiz; I. Georgantopoulos. 07/11/2022.



29 Title of the work: Clustering in the Universe from the RIXOS project

Name of the conference: International Conference on X-ray Astronomy and Astrophysics:
Röntgenstrahlung from the Universe

Type of participation: 'Participatory - poster

FRANCISCO JESUS CARRERA TROYANO; Barcons X.; Fabian A.C.MPE report, 263, pp. 571 - 572.
01/02/1996.

30 Title of the work: Clustering in the X-ray Universe

Name of the conference: LARGE-SCALE STRUCTURE IN THE X-RAY UNIVERSE

Type of participation: Participatory - invited/keynote talk

City of event: Atenas, Greece

FRANCES XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; SILVIA MATEOS IBAÑEZ. 1, pp. 205 - 212. 01/03/2000.

31 Title of the work: Completing the census of heavily obscured AGN with Athena

Name of the conference: The X-ray Universe 2014

Type of participation: Participatory - oral communication

City of event: Dublin, Ireland

FRANCISCO JESUS CARRERA TROYANO; A. Georgakakis; T. Akylas; I. Georgantopoulos; A. Comastri; J. Aird; FRANCES XAVIER BARCONS JAUREGUI. pp. 45. 01/07/2014.

32 Title of the work: Cosmic Evolution of Active Galactic Nuclei

Name of the conference: VIII REUNIÓN CIENTÍFICA DE LA SOCIEDAD ESPAÑOLA DE ASTRONOMÍA

Type of participation: Participatory - oral communication

City of event: Santander, Spain

JACOBO EBRERO CABRERO; FRANCISCO JESUS CARRERA TROYANO. ISBN 978-3-642-11249, pp. 287. 01/01/2010.

33 Title of the work: Cosmological Implications of the Small Scale Isotropy of the X-Ray Background

Name of the conference: The X-ray Background

Type of participation: Participatory - oral communication

City of event: Laredo, Spain

FRANCISCO JESUS CARRERA TROYANO; FRANCES XAVIER BARCONS JAUREGUI. "The X-ray Background". pp. 97. 01/01/1992. ISBN 0-521-41651-5

34 Title of the work: Deep X-ray spectroscopy of obscured AGN in the XMM-CDFS

Name of the conference: The X-ray Universe 2014

Type of participation: Participatory - oral communication

City of event: Dublin, Ireland

A. Comastri; P. Ranalli; C. Vignali; I. Georgantopoulos; FRANCISCO JESUS CARRERA TROYANO; et al. pp. 51. 01/07/2014.

35 Title of the work: Delving into large-scale structures of the X-ray Universe

Name of the conference: Cosmic Evolution and Galaxy Formation: Structure, Interactions, and Feedback,
The 3rd Guillermo Haro Astrophysics Conference

Type of participation: 'Participatory - poster

City of event: Puebla, Mexico

Tesch F.; Engels D.; FRANCISCO JESUS CARRERA TROYANO; Ledoux C.; Hu J.; Wei J.; Uglyumov A.; Valls-Gabaud D.; Voges W. ASP Conf. Proc., 215, pp. 217. 01/01/2000.



36 Title of the work: Discordant optical and X-ray classification of AGN

Name of the conference: Highlights of Spanish Astrophysics VIII - Proceedings of the XI Scientific Meeting of the Spanish Astronomical Society

Type of participation: Participatory - oral communication

City of event: Teruel, Spain

IGNACIO ORDOVAS PASCUAL; SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO; Klas Wiersema. "Proceedings of the XI Scientific Meeting of the Spanish Astronomical Society (SEA)". pp. 274 - 279. 01/05/2015. ISBN 9788460687

37 Title of the work: Distant and disk reflection in the average X-ray spectrum of AGN in the Véron-Cetty-Véron catalogue

Name of the conference: The X-ray Universe 2014

Type of participation: Participatory - oral communication

City of event: Dublin, Ireland

S. Falocco; FRANCISCO JESUS CARRERA TROYANO; FRANCESCA XAVIER BARCONS JAUREGUI; G. Miniutti; A. Corral. pp. 71. 01/07/2014.

38 Title of the work: Dust-to-gas ratio in a complete sample of type-1 AGN

Name of the conference: XIII Scientific Meeting of the Spanish Astronomical Society

Type of participation: 'Participatory - poster

City of event: Salamanca, Spain

IGNACIO ORDOVAS PASCUAL; SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO; A. Caccianiga; R. Della Ceca; P. Severgnini; A. Moretti; L. Ballo; AMALIA CORRAL RAMOS. "Proceedings of the XIII Scientific Meeting of the Spanish Astronomical Society held on July 16-20, 2018, in Salamanca, Spain". pp. 223. 01/03/2019. ISBN 9788409093311

39 Title of the work: EURECA Software

Name of the conference: ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS XVII

Type of participation: 'Participatory - poster

Rohlfs R.; JAVIER BUSSONS GORDO; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; den Herder J.W.; de Korte P.; van der Kuur J.; Paltani S.; JOSE RAMON RODON ORTIZ; Schuurmans J. ASP Conf. Proc. 394, pp. 585 - 588. 01/08/2008.

40 Title of the work: EURECA: The X-ray Universe in High Spectral Resolution

Name of the conference: VIII REUNIÓN CIENTÍFICA DE LA SOCIEDAD ESPAÑOLA DE ASTRONOMÍA

Type of participation: Participatory - oral communication

City of event: Santander, Spain

FRANCISCO JESUS CARRERA TROYANO; FRANCESCA XAVIER BARCONS JAUREGUI. ISBN 978-3-642-11249, pp. 475. 01/01/2010.

41 Title of the work: EURECA: a European-Japanese microcalorimeter array

Name of the conference: Space Telescopes and Instrumentation 2008: Ultraviolet to Gamma Ray

Type of participation: Participatory - oral communication

City of event: San Diego, United States of America

de Korte P.A.J.; Anguita J.; FRANCESCA XAVIER BARCONS JAUREGUI; Bastia P.; Beyer J.; Briones F.; Brujin M.; JAVIER BUSSONS GORDO; Camón A.; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; et al. SPIE 7011, pp. 701122. 01/08/2008.

42 Title of the work: Eureca - A European-japanese Micro-calorimeter Array Under Development For Ixo

Name of the conference: AAS Meeting #213, #457.14

Type of participation: Participatory - oral communication

City of event: Long Beach, United States of America



De Korte P.; Anguita J.; FRANCESC XAVIER BARCONS JAUREGUI; Bastia P.; Beyer J.; Briones F.; Bruijn M.; JAVIER BUSSONS GORDO; Camón A.; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; et al. Bull. Am. Ast. Soc., pp. 360. 01/01/2009.

43 Title of the work: Evolution of the RIXOS soft X-ray selected AGN luminosity function

Name of the conference: International Conference on X-ray Astronomy and Astrophysics:
Röntgenstrahlung from the Universe

Type of participation: 'Participatory - poster

Page M.J.; FRANCISCO JESUS CARRERA TROYANO; Mittaz J.P.D.; Mason K.O.; Hasinger G. MPE report, 263, pp. 497 - 498. 01/02/1996.

44 Title of the work: Exploring (extremely) obscured accretion

Name of the conference: Fourth Science with the GTC Meeting

Type of participation: Participatory - oral communication

City of event: Santa Cruz de la Palma, Spain

FRANCISCO JESUS CARRERA TROYANO; SILVIA MATEOS IBAÑEZ; Roberto Della Ceca; Alessandro Caccianiga; AMALIA CORRAL RAMOS; Paola Severgnini; Agnese Del Moro. RMxAC, 42, pp. 47 - 48. 01/05/2013.

45 Title of the work: Exploring X-ray and radio emission of type 1 AGN up to $z \sim 2.3$

Name of the conference: The X-ray Universe 2011

Type of participation: Participatory - oral communication

City of event: Berlin, Germany

LUCIA BALLO; Francisco J. Heras; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO. 01/08/2011.

46 Title of the work: Exploring XMM-ATLAS with the ARCHES tools

Name of the conference: X-ray surveys with advanced multi-wavelength cross-identification methods

Type of participation: Participatory - oral communication

City of event: Paris, France

FRANCISCO JESUS CARRERA TROYANO; Ioannis Georgantopoulos; Piero Ranalli; Manolis Rovilos. 09/12/2015.

47 Title of the work: Exploring extremely obscured accretion

Name of the conference: The X-ray Universe 2011

Type of participation: Participatory - oral communication

City of event: Berlin, Germany

FRANCISCO JESUS CARRERA TROYANO; SILVIA MATEOS IBAÑEZ; Roberto Della Ceca; Alessandro Caccianiga; Paola Severgnini; Agnese Del Moro. 01/08/2011.

48 Title of the work: Exploring structure around submillimetre-bright QSOs

Name of the conference: The Infrared/X-ray Connection in Galaxy Evolution

Type of participation: Participatory - oral communication

City of event: Dorking, Surrey, United Kingdom

FRANCISCO JESUS CARRERA TROYANO. 14/07/2010.

49 Title of the work: From XMM-Newton to the future large multi-wavelength missions

Name of the conference: VI Meeting of AGN research in Spain

Type of participation: 'Participatory - poster

City of event: Granada, Spain



FRANCISCO JESUS CARRERA TROYANO; AMALIA CORRAL RAMOS; SILVIA MATEOS IBAÑEZ; AKKE ESA TAPIO VIITANEN; H. Stiele; MARIA TERESA CEBALLOS MERINO; ROSA MARIA DOMINGUEZ QUINTERO. 30/01/2023.

50 Title of the work: Hard sources, their colours and the X-ray background

Name of the conference: X-RAY ASTRONOMY

Type of participation: 'Participatory - poster

City of event: Bolonia, Italy

FRANCISCO JESUS CARRERA TROYANO; PAGE M.J.; MITTAZ J.P.D.AIP Conf. Proc. 599, pp. 554 - 557. 01/01/2001.

51 Title of the work: Illustrate, inform, bring closer: astronomy posters and models for the public visits in Open Days

Name of the conference: European Astronomical Society Annual Meeting 2023

Type of participation: 'Participatory - poster

City of event: Cracovia, Poland

Victor Ovejero Bermudez; MARIA TERESA CEBALLOS MERINO; Nicolas Cardiel; FRANCISCO JESUS CARRERA TROYANO. 10/07/2023.

52 Title of the work: Learning about AGN with Athena

Name of the conference: V Meeting of AGN research in Spain

Type of participation: Participatory - invited/keynote talk

City of event: Santander, Spain

FRANCISCO JESUS CARRERA TROYANO. 12/07/2019.

53 Title of the work: Local Organizing Committee

Name of the conference: X-ray surveys in the light of the new observatories

Type of participation: Organizational - Scientific and organizing committee

City of event: Santander, Spain

54 Title of the work: Massive spectral fitting of XMM-Newton spectra

Name of the conference: The X-ray Universe 2023

Type of participation: Participatory - oral communication

City of event: Atenas, Greece

FRANCISCO JESUS CARRERA TROYANO; GEORGIOS MOUNTRICHAS; AKKE ESA TAPIO VIITANEN; Holger Stiele; Angel Ruiz; AMALIA CORRAL RAMOS; SILVIA MATEOS IBAÑEZ; Jean Ballet; Natalie Webb; Ada Nebot; Christian Motch. 16/06/2023.

55 Title of the work: Material DIY for the Communication of the Cosmos in the digital era

Name of the conference: XIV.0 Scientific Meeting (virtual) of the Spanish Astronomical Society

Type of participation: Participatory - others

City of event: Spain

MARIA TERESA CEBALLOS MERINO; FRANCISCO JESUS CARRERA TROYANO; et al. 01/07/2020.

56 Title of the work: Material DIY for the communication of the Cosmos in the digital era

Name of the conference: XIV.0 Scientific Meeting (virtual) of the Spanish Astronomical Society

Type of participation: Participatory - oral communication

City of event: Spain

MARIA TERESA CEBALLOS MERINO; FRANCISCO JESUS CARRERA TROYANO; AMALIA CORRAL RAMOS; GERVASIO GOMEZ GRAMUGLIO; DIEGO HERRANZ MUÑOZ; CELSO MARTINEZ RIVERO; SILVIA MARTINEZ NUÑEZ; MARIA PILAR MONTERDE VILLAR; DAVID MOYA MARTIN; JONATAN PIEDRA GOMEZ; MARTA SEROR GARCIA; PATRICIO VIELVA MARTINEZ; ROCIO VILAR



CORTABITARTE; Nicolas Cardiel Lopez; BEATRIZ COBO MARTIN; PATRICIA DIEGO PALAZUELOS; ELENA DE LA HOZ LOPEZ-COLLADO; IVAN LEON MERINO; ALBERTO MANJON GARCIA; GUILLERMO MARTINEZ SOMONTE; IGNACIO ORDOVAS PASCUAL. 01/07/2020.

57 Title of the work: Measuring the Structure of the Distant Universe with X-rays

Name of the conference: Utilisation of the International Space station

Type of participation: Participatory - oral communication

City of event: Noordwijk, Holland

Barcons X.; Fabian A.C.; FRANCISCO JESUS CARRERA TROYANO; Ceballos M.T.ESA SP-433, pp. 637. 01/02/1999.

58 Title of the work: Miembro del Comité Científico Organizador

Name of the conference: Demographics and environment of AGN from multi-wavelength surveys

Type of participation: Organizational - Scientific and organizing committee

City of event: Chania, Creta, Grecia, Greece

59 Title of the work: Miembro del Comité Científico Organizador

Name of the conference: Treasures hidden in high energy catalogues

Type of participation: Organizational - Scientific and organizing committee

City of event: Toulouse, France

60 Title of the work: Miembro del Comité Científico Organizador

Name of the conference: X-ray surveys with advanced multi-wavelength cross-identification methods

Type of participation: Organizational - Scientific and organizing committee

City of event: Paris, France

61 Title of the work: Miembro del Comité Científico Organizador de la Sesión Especial "Black holes und

Name of the conference: Black holes under the magnifying glass of XRISM and Athena

Type of participation: Organizational - Scientific and organizing committee

62 Title of the work: Miembro del Comité Científico Organizador del "V Meeting of AGN research in Spai

Name of the conference: V Meeting of AGN research in Spain

Type of participation: Organizational - Scientific and organizing committee

City of event: Santander, Spain

63 Title of the work: Miembro del Comité Científico Organizador del VI Meeting of AGN research in Spai

Name of the conference: VI Meeting of AGN research in Spain

Type of participation: Organizational - Scientific and organizing committee

City of event: Granada, Spain

64 Title of the work: Miembro del Comité Científico Organizador del congreso "Exploring the Hot and En

Name of the conference: Exploring the Hot and Energetic Universe. The third scientific conference dedicated to the Athena X-ray observatory

Type of participation: Organizational - Scientific and organizing committee

City of event: Barcelona, Spain

65 Title of the work: Miembro del Comité Científico Organizador del congreso "Spanish X-ray Astronomy

Name of the conference: Spanish X-ray Astronomy 2019

Type of participation: Organizational - Scientific and organizing committee

City of event: Alicante, Spain



66 Title of the work: Miembro del Comité Científico Organizador del congreso "X-ray Astronomy 2019"

Name of the conference: X-ray Astronomy 2019

Type of participation: Organizational - Scientific and organizing committee

67 Title of the work: Miembro del Comité Científico Organizador del congreso SXA17

Name of the conference: Spanish X-ray Astronomy 2017 "The path towards Athena"

Type of participation: Organizational - Scientific and organizing committee

City of event: Granada, Spain

68 Title of the work: Miembro del Comité Científico organizador

Name of the conference: IV Meeting of AGN research in Spain

Type of participation: Organizational - Scientific and organizing committee

City of event: La Laguna, Tenerife, Spain

69 Title of the work: Miembro del Comité Científico organizador del simposio "How galaxies live and di

Name of the conference: European Week of Astronomy and Space Science 2016

Type of participation: Organizational - Scientific and organizing committee

City of event: Atenas, Greece

70 Title of the work: Miembro del Comité Organizador Local

Name of the conference: VIII REUNIÓN CIENTÍFICA DE LA SOCIEDAD ESPAÑOLA DE ASTRONOMÍA

Type of participation: Organizational - Scientific and organizing committee

City of event: Santander, Spain

71 Title of the work: Multi-wavelenght properties of submillimeter galaxies

Name of the conference: X Scientific Meeting of the Spanish Astronomical Society (SEA)

Type of participation: 'Participatory - poster

City of event: Valencia, Spain

ANUAR KHAN ALI FRANCO; FRANCISCO JESÚS CARRERA TROYANO; J. Stevens; M.J. Page.

"Highlights of Spanish Astrophysics VII, Proceedings of the X Scientific Meeting of the Spanish Astronomical Society". pp. 446 - 446. 01/05/2013. ISBN 9788469576144

72 Title of the work: Multi-wavelength and black hole mass properties of Low Luminosity Active Nuclei

Name of the conference: The multicolored landscape of compact objects and their explosive origins

Type of participation: Participatory - oral communication

City of event: Cefalù, Sicilia, Italy

FRANCESCA PANEZZA; FRANCESC XAVIER BARCONS JAUREGUI; Bassani L.; Cappi M.; FRANCISCO JESÚS CARRERA TROYANO; Dadina M.; Ho L.C.; Iwasawa K.; Pellegrini S.AIP Conf. Proc., 924, pp. 830 - 835. 01/08/2007.

73 Title of the work: NGC 3147: a "true" type 2 Seyfert galaxy without the broad-line region

Name of the conference: X-ray Universe

Type of participation: Participatory - oral communication

City of event: Granada, Spain

Stefano Bianchi; AMALIA CORRAL RAMOS; FRANCESCA PANEZZA; FRANCESC XAVIER BARCONS JAUREGUI; Giorgio Matt; Loredana Bassani; FRANCISCO JESÚS CARRERA TROYANO; Elena Jiménez-Bailón; Fabio La Franca; N. Sacchi. 01/07/2008.

74 Title of the work: NGC 3147: a 'true' type 2 Seyfert galaxy without the broad-line region

Name of the conference: 8th National Conference on AGN

Type of participation: Participatory - oral communication



City of event: Turín, Italy

Bianchi S.; AMALIA CORRAL RAMOS; FRANCESCA PANESSA; FRANCESC XAVIER BARCONS JAUREGUI; Matt G.; Bassani L.; FRANCISCO JESUS CARRERA TROYANO; Jiménez-Bailón E.01/10/2008.

75 Title of the work: NewAthena: an European flagship X-ray observatory

Name of the conference: XVI Reunión Científica de la Sociedad Española de Astronomía

Type of participation: Participatory - invited/keynote talk

City of event: Spain

FRANCISCO JESUS CARRERA TROYANO; SILVIA MARTINEZ NUÑEZ; MARIA TERESA CEBALLOS MERINO. 19/07/2024.

76 Title of the work: Obscured AGN growth and galaxy formation: synergies between low and high energies

Name of the conference: Impact of ALMA on the Spanish Extragalactic Astronomy

Type of participation: Participatory - oral communication

City of event: Granada, Spain

FRANCISCO JESUS CARRERA TROYANO. 11/02/2009.

77 Title of the work: Obscured and unobscured growth of supermassive black holes from the XMM-Newton Medium sensitivity Survey

Name of the conference: Extragalactic Surveys

Type of participation: Participatory - oral communication

City of event: Boston, United States of America

FRANCISCO JESUS CARRERA TROYANO. 06/11/2006.

78 Title of the work: Observatorio Astronómico De Cantabria

Name of the conference: VIII REUNIÓN CIENTÍFICA DE LA SOCIEDAD ESPAÑOLA DE ASTRONOMÍA

Type of participation: 'Participatory - poster

City of event: Santander, Spain

ROSA MARÍA DOMÍNGUEZ QUINTERO; FRANCISCO JESUS CARRERA TROYANO. ISBN 978-3-642-11249, 01/01/2010.

79 Title of the work: Observatorio Astronómico De Cantabria

Name of the conference: VIII REUNIÓN CIENTÍFICA DE LA SOCIEDAD ESPAÑOLA DE ASTRONOMÍA

Type of participation: 'Participatory - poster

City of event: Santander, Spain

ROSA MARÍA DOMÍNGUEZ QUINTERO; FRANCISCO JESUS CARRERA TROYANO. ISBN 978-3-642-11249, 01/01/2010.

80 Title of the work: On the arcmin structure of the X-ray Universe

Name of the conference: X-RAY ASTRONOMY 2009; PRESENT STATUS, MULTI-WAVELENGTH APPROACH AND FUTURE PERSPECTIVES

Type of participation: Participatory - oral communication

City of event: Bologna, Italy

JACOBO EBRERO CABRERO; SILVIA MATEOS IBAÑEZ; Gordon C. Stewart; FRANCISCO JESUS CARRERA TROYANO. AIP Conference Proce - 1248, pp. 395 - 398. 01/07/2010.

81 Title of the work: On the relation between X-ray absorption and optical extinction in AGN

Name of the conference: Active Galactic Nuclei: what's in a name?

Type of participation: 'Participatory - poster

City of event: Garching, Germany



IGNACIO ORDOVAS PASCUAL; SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO; K. Wiersema; A. Caccianiga; P. Severgnini; R. Della Ceca; L. Ballo; A. Moretti. 01/08/2016.

82 Title of the work: On the relation between X-ray absorption and optical extinction in AGN

Name of the conference: XII Reunión Científica de la Sociedad Española de Astronomía

Type of participation: 'Participatory - poster'

City of event: Bilbao, Spain

IGNACIO ORDOVAS PASCUAL; SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO; K. Wiersema; A. Caccianiga; R. Della Ceca; P. Severgnini; A. Moretti; L. Ballo. "Highlights on Spanish Astrophysics IX, Proceedings of the XII Scientific Meeting of the Spanish Astronomical Society". 01/03/2017. ISBN 9788460687603

83 Title of the work: On the relationship between X-ray, MIR and bolometric luminosities of broad line QSOs

Name of the conference: The X-ray Universe 2017

Type of participation: Participatory - oral communication

City of event: Roma, Italy

FRANCISCO JESUS CARRERA TROYANO; PEDRO JOSE FERNANDEZ MANTECA; SILVIA MATEOS IBAÑEZ. 06/06/2017.

84 Title of the work: On the relationship between X-ray, MIR and bolometric luminosities of broad line QSOs

Name of the conference: Treasures hidden in high energy catalogues

Type of participation: Participatory - oral communication

City of event: Toulouse, France

FRANCISCO JESUS CARRERA TROYANO; SILVIA MATEOS IBAÑEZ; PEDRO JOSE FERNANDEZ MANTECA. 22/05/2018.

85 Title of the work: Origin of the optical spectroscopic classification of AGN

Name of the conference: XV Scientific Meeting of the Spanish Astronomical Society

Type of participation: Participatory - oral communication

City of event: La Laguna, Spain

LORENZO BARQUIN GONZALEZ; SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO; AMALIA CORRAL RAMOS; I. Ordovas-Pascual; I. García-Bernete; A. Alonso-Herrero. 09/09/2022.

86 Title of the work: Origin of the optical spectroscopic classification of AGN

Name of the conference: Towards the next generation of X-ray surveys with Athena

Type of participation: 'Participatory - poster'

City of event: Valencia, Spain

LORENZO BARQUIN GONZALEZ; SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO; AMALIA CORRAL RAMOS; I. Ordovas-Pascual; I. Garcia-Bernete; A. Alonso-Herrero. 01/07/2022.

87 Title of the work: Processing Chains for Characterization and Data Analysis of TES X-ray Detectors

Name of the conference: Astronomical Data Analysis Software and Systems XX

Type of participation: 'Participatory - poster'

City of event: Boston, United States of America

MARIA TERESA CEBALLOS MERINO; RAQUEL FRAGA ENCINAS; BEATRIZ COBO MARTIN; Jan van der Kuur; Jaap Schuurmans; I. Gonzalez; FRANCISCO JESUS CARRERA TROYANO. "Astronomical Society of the Pacific Conference Series". 335, pp. 335. 01/07/2011. ISBN 1-58381-764-3

88 Title of the work: QSO winds and galaxy evolution

Name of the conference: X-RAY ASTRONOMY 2009; PRESENT STATUS, MULTI-WAVELENGTH APPROACH AND FUTURE PERSPECTIVES

Type of participation: Participatory - oral communication



City of event: Bologna, Italy

Name of the conference: Mathew J. Page; FRANCISCO JESUS CARRERA TROYANO; Jason A. Stevens. AIP Conference Proce - 1248, pp. 391 - 394. 01/07/2010.

89 Title of the work: ROSAC: Studying the Clustering Properties of X-ray Selected AGN

Name of the conference: LARGE-SCALE STRUCTURE IN THE X-RAY UNIVERSE

Type of participation: 'Participatory - poster

City of event: Atenas, Greece

TESCH F; FRANCISCO JESUS CARRERA TROYANO; ENGELS D; HU J; LEDOUX C; UGRYUMOV A; VALLS-GABAUD D; VOGES W; WEI J. 1, pp. 407 - 408. 01/01/2000.

90 Title of the work: ROSAT PSPC Spectra of X-Ray Selected Narrow Emission Line Galaxies

Name of the conference: X-Ray Imaging and Spectroscopy of Cosmic Hot Plasmas

Type of participation: Participatory - oral communication

City of event: Tokyo, Japan

Branduardi-Raymont G.; Romero-Colmenero E.; FRANCISCO JESUS CARRERA TROYANO; Mason K.O.; Mittaz J.P.D.; Jones L.R.; McHardy I.M. pp. 273. 01/01/1997.

91 Title of the work: ROSAT PSPC spectra of X-ray selected narrow emission line galaxies

Name of the conference: International Conference on X-ray Astronomy and Astrophysics: Röntgenstrahlung from the Universe

Type of participation: 'Participatory - poster

Romero-Colmenero E.; FRANCISCO JESUS CARRERA TROYANO; Branduardi-Raymont G.; Mittaz J.P.D.; McHardy I.M.; Jones L.R. MPE report, 263, pp. 501 - 502. 01/02/1996.

92 Title of the work: Red Quasars in the 2XMMy/SDSS Cross-Correlation

Name of the conference: The X-ray Universe 2014

Type of participation: 'Participatory - poster

City of event: Dublin, Ireland

ANGEL RUIZ CAMUÑAS; R. Della Ceca; A. Caccianiga; P. Severgnini; FRANCISCO JESUS CARRERA TROYANO. pp. 314. 01/07/2014.

93 Title of the work: Representative spectral shapes of nearby AGN

Name of the conference: The X-ray Universe 2023

Type of participation: 'Participatory - poster

City of event: Atenas, Greece

KOUSHIKA VAIYAPURI PALANIMUTHU; AMALIA CORRAL RAMOS; FRANCISCO JESUS CARRERA TROYANO; A. Akylas; A. Georgakakis; B. Laloux. 13/06/2023.

94 Title of the work: Scientific Organizing Committee

Name of the conference: The X-ray Universe 2011

Type of participation: Organizational - Scientific and organizing committee

City of event: Berlin, Germany

95 Title of the work: Scientific and Technical Organizing Committee

Name of the conference: Multi-wavelength Astronomy and Virtual Observatory (EURO-VO Workshop)

Type of participation: Organizational - Scientific and organizing committee

City of event: Spain



- 96** **Title of the work:** Six years supporting the Athena Community Office
Name of the conference: XV Scientific Meeting of the Spanish Astronomical Society
Type of participation: 'Participatory - poster
City of event: La Laguna, Spain
SILVIA MARTINEZ NUÑEZ; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; Didier Barret; Arne Rau; Enrico Bozzo. 04/09/2022.
- 97** **Title of the work:** Small-Scale Anisotropies of the X-Ray Background from Ginga
Name of the conference: Frontiers of X-ray Astronomy, Yamada Conference XXVIII
Type of participation: 'Participatory - poster
City of event: Nagoya, Japan
FRANCISCO JESUS CARRERA TROYANO; Barcons X.; Butcher J.A.; Fabian A.C.; Stewart G.C.; Warwick R.S.; Hayashida K.; Inoue H. Universal Academy Pr, pp. 651. 01/01/1992.
- 98** **Title of the work:** Some implications of the small-scale isotropy of the X-ray background
Name of the conference: Windows on galaxies : Sixth Workshop of the Advanced School of Astronomy
Type of participation: 'Participatory - poster
City of event: Erice, Italy
FRANCISCO JESUS CARRERA TROYANO; FRANCESCA XAVIER BARCONS JAUREGUI. Kluwer Academic Publ - Astrophysics and spa, pp. 369. 01/01/1990.
- 99** **Title of the work:** Spatial clustering of X-ray selected AGN
Name of the conference: X-ray surveys Workshop
Type of participation: Participatory - oral communication
City of event: Potsdam, Germany
FRANCISCO JESUS CARRERA TROYANO. 17/06/1997.
- 100** **Title of the work:** Spectral Energy Distribution of Hyper-Luminous Infrared Galaxies
Name of the conference: VIII REUNIÓN CIENTÍFICA DE LA SOCIEDAD ESPAÑOLA DE ASTRONOMÍA
Type of participation: Participatory - oral communication
City of event: Santander, Spain
ANGEL RUIZ CAMUÑAS; FRANCISCO JESUS CARRERA TROYANO; FRANCESCA PANESSA; Giovanni Miniutti. ISBN 978-3-642-11249, pp. 347. 01/01/2010.
- 101** **Title of the work:** Spectral Energy Distribution of Hyper-Luminous Infrared Galaxies
Name of the conference: X-ray Universe
Type of participation: Participatory - oral communication
City of event: Granada, Spain
ANGEL RUIZ CAMUÑAS; FRANCISCO JESUS CARRERA TROYANO; FRANCESCA PANESSA; Giovanni Miniutti. 01/07/2008.
- 102** **Title of the work:** Spectral Stacking Analysis of an XMM-Newton International Survey (AXIS)
Name of the conference: THE X-RAY UNIVERSE
Type of participation: 'Participatory - poster
City of event: El Escorial, Spain
AMALIA CORRAL RAMOS; FRANCESCA XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO. ESA SP-604, pp. 607 - 608. 01/01/2006.
- 103** **Title of the work:** Stacking of the X-ray spectra of deep surveys
Name of the conference: The X-ray Universe 2011
Type of participation: Participatory - oral communication



City of event: Berlin, Germany

SERENA FALOCCHI; FRANCISCO JESUS CARRERA TROYANO; Elise Laird; Kirpal Nandra; AMALIA CORRAL RAMOS; FRANCESCA XAVIER BARCONS JAUREGUI; Jonathan Dibgy-North; Mathew Page. 01/08/2011.

104 Title of the work: Star formation in obscured AGN

Name of the conference: Joint European and National Astronomy Meeting

Type of participation: Participatory - oral communication

City of event: Granada, Spain

FRANCISCO JESUS CARRERA TROYANO. 13/09/2004.

105 Title of the work: Star-forming outflowing QSOs at z~2: their status, future and environments

Name of the conference: Demographics and environment of AGN from multi-wavelength surveys

Type of participation: Participatory - oral communication

City of event: Chania, Creta, Grecia, Greece

FRANCISCO JESUS CARRERA TROYANO; ANUAR KHAN ALI FRANCO; Mat Page; Myrto Symeonidis; Jason Stevens; Jose Manuel Cao Orjales. 21/09/2015.

106 Title of the work: Studying the X-ray spectral properties of nearby AGN using clumpy torus model

Name of the conference: XV Scientific Meeting of the Spanish Astronomical Society

Type of participation: Participatory - oral communication

City of event: La Laguna, Spain

KOUSHIKA VAIYAPURI PALANIMUTHU; AMALIA CORRAL RAMOS; FRANCISCO JESUS CARRERA TROYANO; B. Laloux; A. Akylas; A. Georgakakis. 09/09/2022.

107 Title of the work: Submillimeter-bright QSOs at z~2: signposts of co-evolution at high-z

Name of the conference: Seeking the leading actor on the Cosmic stage: Galaxies vs Black Holes

Type of participation: Participatory - oral communication

City of event: Castellammare del Golfo, Sicilia, Italy

FRANCISCO JESUS CARRERA TROYANO. 27/06/2013.

108 Title of the work: Submillimetre evidence for the coeval growth of X-ray absorbed QSOs and galaxy bulges

Name of the conference: PROCEEDINGS OF THE INTERNATIONAL WORKSHOP XEUS-STUDYING THE EVOLUTION OF THE HOT UNIVERSE

Type of participation: Participatory - oral communication

City of event: Germany

PAGE M.J.; STEVENS J.A.; FRANCISCO JESUS CARRERA TROYANO. MPE report, 281, pp. 299 - 302. 01/01/2003.

109 Title of the work: Sumillimetre-bright QSOs at z~2: signposts of co-evolution at high z

Name of the conference: Nuclei of Seyfert galaxies and QSOs

Type of participation: Participatory - oral communication

City of event: Bonn, Germany

FRANCISCO JESUS CARRERA TROYANO; ANUAR KHAN ALI FRANCO; Mathew Page; Myrto Symeonidis; Jason Stevens; Jose Manuel Cao Orjales. "Proceedings of Science". 01/06/2013. ISSN 1824-8039

110 Title of the work: TES-based microcalorimeter for future X-ray astronomy missions. Software development for instrument calibration

Name of the conference: X Scientific Meeting of the Spanish Astronomical Society (SEA)

Type of participation: 'Participatory - poster

City of event: Valencia, Spain



RAQUEL FRAGA ENCINAS; BEATRIZ COBO MARTIN; MARIA TERESA CEBALLOS MERINO; J. Schuurmans; J. van der Kooij; FRANCISCO JESUS CARRERA TROYANO; FRANCESCA XAVIER BARCONS JAUREGUI. "Highlights of Spanish Astrophysics VII, Proceedings of the X Scientific Meeting of the Spanish Astronomical Society". pp. 945 - 945. 01/05/2013. ISBN 9788469576144

111 Title of the work: Testing the unified model of Active Galactic Nuclei in X-ray selected type 1 and type 2 quasars

Name of the conference: The X-ray Universe 2014

Type of participation: Participatory - oral communication

City of event: Dublin, Ireland

SILVIA MATEOS IBAÑEZ; ALMUDENA ALONSO HERRERO; FRANCISCO JESUS CARRERA TROYANO. pp. 131. 01/07/2014.

112 Title of the work: The 3XMM spectral fit database

Name of the conference: XMM-Newton: The Next Decade

Type of participation: 'Participatory - poster'

City of event: Madrid, Spain

Ioannis Georgantopoulos; Amalia Corral; Mike Watson; FRANCISCO JESUS CARRERA TROYANO; Natalie Webb; Simon Rosen. 01/06/2016.

113 Title of the work: The 3XMM-DR4 Catalogue

Name of the conference: Astronomical Data Analysis Software and Systems XXIV

Type of participation: 'Participatory - poster'

City of event: Calgary, Canada

Simon Rosen; M.G. Watson; J.J. Pye; N. Webb; Axel Schworer; M. Freyberg; C. Motch; J. Ballet; FRANCISCO JESUS CARRERA TROYANO; M. Page; C. Page. "Proceedings of the ADASS XXIV, ASP Conference Series". 495, pp. 319 - 319. 16/09/2015. ISBN 9781583818749

114 Title of the work: The ARCHES project

Name of the conference: Astronomical Data Analysis Software and Systems XXV

Type of participation: 'Participatory - poster'

City of event: Sydney, Australia

C. Motch; FRANCISCO JESUS CARRERA TROYANO; F. Genova; F. Jimenez-Estebaran; M. Lopez; L. Michel; B. Mingo; A. Mints; A. Nebot Gomez-Moran; F.-X. Pineau; S.R. Rosen; E. Sanchez; A. Schworer; E. Solano; M.G. Watson. "Astronomical Data Analysis Software and Systems XXV". 512, pp. 165 - 168. 01/12/2017. ISBN 9781583819081

115 Title of the work: The AXIS-XMS multiwavelength survey and the AXIS-SVO Data Centre

Name of the conference: Multi-wavelength Astronomy and Virtual Observatory (EURO-VO Workshop)

Type of participation: 'Participatory - poster'

City of event: Spain

MARIA TERESA CEBALLOS MERINO; FRANCISCO JESUS CARRERA TROYANO; FRANCESCA XAVIER BARCONS JAUREGUI; Javier Bussone Gordo. pp. 141. 01/07/2009.

116 Title of the work: The Athena Community Office

Name of the conference: XIV.0 Scientific Meeting (virtual) of the Spanish Astronomical Society

Type of participation: Participatory - oral communication

City of event: Spain

SILVIA MARTINEZ NUÑEZ; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; SALVADOR CASTILLO RIVERA; D. Barret; A. Rau; E. Bozzo. 01/07/2020.



117 Title of the work: The Athena Community Office

Name of the conference: X-ray Astronomy 2019

Type of participation: 'Participatory - poster'

SILVIA MARTINEZ NUÑEZ; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; MARIA PILAR MONTERDE VILLAR; Didier Barret; Enrico Bozzo; Arne Rau. 13/09/2019.

118 Title of the work: The Athena Community Office

Name of the conference: XIV.0 Scientific Meeting (virtual) of the Spanish Astronomical Society

Type of participation: Participatory - others

City of event: Spain

SILVIA MARTINEZ NUÑEZ; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; SALVADOR CASTILLO RIVERA; Didier Barret; Arne Rau; Enrico Bozzo. 01/07/2020.

119 Title of the work: The Bright Ultra-hard XMM-Newton Survey: WISE-MIR selection of luminous AGN

Name of the conference: X Scientific Meeting of the Spanish Astronomical Society (SEA)

Type of participation: Participatory - oral communication

City of event: Valencia, Spain

SILVIA MATEOS IBÁÑEZ; ALMUDENA ALONSO HERRERO; FRANCISCO JESUS CARRERA TROYANO; A. Blain; M.G. Watson; FRANCESCA XAVIER BARCONS JAUREGUI; V. Braito; P. Severgnini; J.L. Donley; D. Stern. "Highlights of Spanish Astrophysics VII, Proceedings of the X Scientific Meeting of the Spanish Astronomical Society". pp. 288 - 293. 01/05/2013. ISBN 9788469576144

120 Title of the work: The COSPIX mission: focusing on the energetic and obscured Universe

Name of the conference: 25th Texas Symposium on Relativistic Astrophysics

Type of participation: Participatory - oral communication

City of event: Heidelberg, Germany

P. Ferrando; A. Goldwurm; P. Laurent; O. Limousin; V. Beckman; M. Arnaud; FRANCESCA XAVIER BARCONS JAUREGUI; D. Bomans; I. Caballero; FRANCISCO JESUS CARRERA TROYANO; et al."25th Texas Symposium, Proceedings of Science". 254, pp. 254. 31/12/2010. ISBN 25TexasPoS

121 Title of the work: The Flux and Angular Distribution of AXIS Sources

Name of the conference: THE X-RAY UNIVERSE

Type of participation: 'Participatory - poster'

City of event: El Escorial, Spain

JACOBO EBRERO CABRERO; FRANCISCO JESUS CARRERA TROYANO. ESA SP-604, pp. 829 - 830. 01/01/2006.

122 Title of the work: The GINGA satellite and the large-scale structure of the Universe

Name of the conference: X-ray emission from AGN and the Cosmic X-ray background

Type of participation: Participatory - oral communication

City of event: Garching, Germany

FRANCISCO JESUS CARRERA TROYANO; FRANCESCA XAVIER BARCONS JAUREGUI. MPE report, 235, pp. 362 - 367. 01/03/1992.

123 Title of the work: The MIXR sample or: how I learned to stop worrying and love multiwavelength catalogue cross-correlations

Name of the conference: Active Galactic Nuclei: what's in a name?

Type of participation: Participatory - oral communication

City of event: Garching, Germany

B. Mingo; M.G. Watson; G.C. Stewart; S.R. Rosen; A. Blain; M. Hardcastle; SILVIA MATEOS IBÁÑEZ; FRANCISCO JESUS CARRERA TROYANO; ANGEL RUIZ CAMUÑAS; F.-X. Pineau. 01/08/2016.



124 Title of the work: The Nature of X-ray Absorbed Starburst QSOs and the QSO Evolutionary Scheme

Name of the conference: THE X-RAY UNIVERSE

Type of participation: 'Participatory - poster

City of event: El Escorial, Spain

PAGE M.J.; FRANCISCO JESUS CARRERA TROYANO; JACOBO EBRERO CABRERO; STEVENS J.A.; Ivison R.J.ESA SP-604, pp. 647 - 648. 01/01/2006.

125 Title of the work: The NewAthena X-ray observatory: seminal science on the Energetic Universe

Name of the conference: Annual Meeting of the Astronomische Gesellschaft 2023

Type of participation: Participatory - invited/keynote talk

City of event: Berlin, Germany

FRANCISCO JESUS CARRERA TROYANO. 14/09/2023.

126 Title of the work: The UK Deep Survey Project

Name of the conference: Observational Cosmology

Type of participation: Participatory - oral communication

City of event: Milano, Italy

Branduardi-Raymont G.; FRANCISCO JESUS CARRERA TROYANO; Mason K.O.; Mittaz J.P.D.; Puchnarewicz E.M.; Smith P.J.; Jones L.R.; Merrifield M.R.; McHardy I.M.; Lehto H.; et al. ASP Conf. Proc., 51, pp. 466. 01/01/1993.

127 Title of the work: The X-ray Background as a Cosmological Tool

Name of the conference: New Cosmological Data and the Values of the Fundamental Parameters

Type of participation: Participatory - oral communication

City of event: Manchester, United Kingdom

FRANCESCA XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO. IAU 201, ASP., pp. 400. 01/01/2005.

128 Title of the work: The X-ray and radio connection in local Seyfert galaxies

Name of the conference: 37th COSPAR Scientific Assembly

Type of participation: Participatory - oral communication

City of event: Montréal, Canada

FRANCESCA PANESSA; Massimo Cappi; Silvia Pellegrini; FRANCESCA XAVIER BARCONS JAUREGUI; Loredana Bassani; FRANCISCO JESUS CARRERA TROYANO; Luis Ho; Marcello Giroletti. 01/08/2008.

129 Title of the work: The XMM-Newton Bright Serentipitous Survey source sample (XMM-Newton BSS)

Name of the conference: New visions of the X-ray Universe

Type of participation: Participatory - oral communication

City of event: Noordwijk, Holland

Della Ceca R.; Maccacaro T.; Caccianiga A.; Severgnini P.; FRANCESCA XAVIER BARCONS JAUREGUI; Barret D.; FRANCISCO JESUS CARRERA TROYANO; G. Hasinger; Richard McMahon; Christian Motch; Wolfgang Pietsch; Mathew Page; Simon Rosen; M.G. Watson; N. Webb; D.M. Worrall; H. Ziaeepour. ESA SP-488, 29/11/2001.

130 Title of the work: The XMM-Newton SSC survey of the Galactic plane

Name of the conference: New visions of the X-ray Universe

Type of participation: 'Participatory - poster

City of event: Noordwijk, Holland

Motch C.; FRANCESCA XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; P. Guillout; A. Hands; B.J.M. Hassal; O. Herent; Georg Lamer; Axel Schwabe; G. Szokoly; Robert S. Warwick; M.G. Watson; N. Webb; P. Wheatley. ESA SP-488, 29/11/2001.



131 Title of the work: The XMM-Newton Survey Science Centre serendipitous sky survey: a progress report

Name of the conference: New visions of the X-ray Universe

Type of participation: Participatory - oral communication

City of event: Noordwijk, Holland

Barcons X.; FRANCISCO JESUS CARRERA TROYANO; et al.ESA SP-488, 29/11/2001.

132 Title of the work: The XMM-Newton and Spitzer View of Galaxy/AGN Formation at $z = 2-3$

Name of the conference: THE X-RAY UNIVERSE

Type of participation: Participatory - oral communication

City of event: El Escorial, Spain

FRANCISCO JESUS CARRERA TROYANO; JACOBO EBRERO CABRERO; PAGE M.J.; STEVENS. ESA SP-604, pp. 509 - 513. 01/01/2006.

133 Title of the work: The nature of X-ray absorbed QSOs

Name of the conference: The X-ray Universe 2011

Type of participation: Participatory - oral communication

City of event: Berlin, Germany

Mathew Page; FRANCISCO JESUS CARRERA TROYANO; Jason Stevens. 01/08/2011.

134 Title of the work: The nature of X-ray absorbed starburst QSOs and the QSO evolutionary sequence

Name of the conference: X-ray Surveys: Evolution of Accretion, Star-Formation and the Large Scale Structure

Type of participation: Participatory - oral communication

City of event: Rodas, Greece

Mathew Page; Jason Stevens; FRANCISCO JESUS CARRERA TROYANO; Rob Ivison; Alex Blustin. 02/07/2007.

135 Title of the work: The origin of the optical intermediate classification of AGN

Name of the conference: VI Meeting of AGN research in Spain

Type of participation: Participatory - oral communication

City of event: Granada, Spain

LORENZO BARQUIN GONZALEZ; SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO. 30/01/2023.

136 Title of the work: The spectroscopic legacy of XMM-Newton after more than 20 years

Name of the conference: Exploring the Hot and Energetic Universe. The third scientific conference dedicated to the Athena X-ray observatory

Type of participation: 'Participatory - poster

City of event: Barcelona, Spain

H. Stiele; FRANCISCO JESUS CARRERA TROYANO. 07/11/2022.

137 Title of the work: Torus properties in intermediate type AGN

Name of the conference: XIV.0 Scientific Meeting (virtual) of the Spanish Astronomical Society

Type of participation: 'Participatory - poster

City of event: Spain

LORENZO BARQUIN GONZALEZ; SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO; AMALIA CORRAL RAMOS; Almudena Alonso Herrero; Ismael Garcia Bernete; Ignacio Ordovas Pascual. pp. 1. 01/07/2020.



138 Title of the work: Torus properties in intermediate type AGN

Name of the conference: XIV.0 Scientific Meeting (virtual) of the Spanish Astronomical Society

Type of participation: Participatory - others

City of event: Spain

LORENZO BARQUIN GONZALEZ; SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO; AMALIA CORRAL RAMOS; Almudena Alonso-Herrero; Ismael García-Bernete; IGNACIO ORDOVAS PASCUAL. 01/07/2020.

139 Title of the work: Traces of co-evolution in high z X-ray selected and submm-luminous QSOs

Name of the conference: Highlights of Spanish Astrophysics VIII - Proceedings of the XI Scientific Meeting of the Spanish Astronomical Society

Type of participation: Participatory - oral communication

City of event: Teruel, Spain

ANUAR KHAN ALI FRANCO; FRANCISCO JESUS CARRERA TROYANO; Mat Page; Jason Stevens; SILVIA MATEOS IBAÑEZ; Myrto Symeonidis; Jose Manuel Cao Orjales. "Proceedings of the XI Scientific Meeting of the Spanish Astronomical Society (SEA)". pp. 234 - 239. 01/05/2015. ISBN 9788460687

140 Title of the work: Tracing Cosmic Accretion through the XMM-Newton Medium Survey (XMS)

Name of the conference: THE X-RAY UNIVERSE

Type of participation: Participatory - oral communication

City of event: El Escorial, Spain

FRANCESCA XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO. ESA SP-604, pp. 789 - 794. 01/01/2006.

141 Title of the work: Unabsorbed Seyfert 2 galaxies: the case of ``naked'' AGN

Name of the conference: X-RAY ASTRONOMY 2009; PRESENT STATUS, MULTI-WAVELENGTH APPROACH AND FUTURE PERSPECTIVES

Type of participation: 'Participatory - poster

City of event: Bologna, Italy

FRANCESCA PANESSA; FRANCISCO JESUS CARRERA TROYANO; Stefano Bianchi; AMALIA CORRAL RAMOS; Fabio Gastaldello; FRANCESCA XAVIER BARCONS JAUREGUI; Loredana Bassani; Giorgio Matt; Luigi Monaco. AIP Conference Proce - 11248, pp. 489 - 490. 01/07/2010.

142 Title of the work: Uncovering luminous and highly obscured AGN with mid-infrared surveys

Name of the conference: X-ray Astronomy 2019

Type of participation: 'Participatory - poster

FRANCISCO JESUS CARRERA TROYANO; SILVIA MATEOS IBAÑEZ; LORENZO BARQUIN GONZALEZ; AMALIA CORRAL RAMOS. 13/09/2019.

143 Title of the work: Understanding the build-up of SMBH and Galaxies

Name of the conference: Exploring the Hot and Energetic Universe: The first Scientific Conference dedicated to the Athena X-ray Observatory

Type of participation: Participatory - invited/keynote talk

City of event: Madrid, Spain

FRANCISCO JESUS CARRERA TROYANO; Antonis Georgakis; Yoshihiro Ueda; Athanassis Akylas; Giorgio Lanzuisi; Nuria Castello Mor. 09/09/2015.

144 Title of the work: Understanding the build-up of supermassive black holes and galaxies

Name of the conference: Exploring the Hot and Energetic Universe: The second scientific conference dedicated to the Athena X-ray observatory

Type of participation: Participatory - invited/keynote talk

City of event: Palermo, Italy



FRANCISCO JESUS CARRERA TROYANO; Antonis Georgakakis; Giorgio Lanzuisi; Yoshihiro Ueda.
26/09/2018.

- 145 Title of the work:** Viajando por el espacio desde la ESO
Name of the conference: XV Seminario Nacional EsTalMat
Type of participation: Participatory - oral communication
City of event: Medina del Campo, Spain
FRANCISCO JESUS CARRERA TROYANO. 03/03/2023.

- 146 Title of the work:** Why Are Only High-Redshift Obscured AGN Bright Submillimeter Sources?
Name of the conference: Growing black holes: accretion in a cosmological context.
Type of participation: 'Participatory - poster
City of event: Garching, Germany
FRANCISCO JESUS CARRERA TROYANO; Page M.J.; Stevens J.A.; Mittaz J.P.D.ESO astrophysics sym, pp. 128 - 129. 01/01/2005.

- 147 Title of the work:** Why do broad-line AGN show up as faint hard X-ray sources?
Name of the conference: X-RAY ASTRONOMY
Type of participation: 'Participatory - poster
City of event: Bolonia, Italy
MITTAZ J.P.D.; FRANCISCO JESUS CARRERA TROYANO; PAGE M.J.AIP Conf. Proc. 599, pp. 782 - 785. 01/01/2001.

- 148 Title of the work:** Winds from X-ray absorbed QSOs
Name of the conference: X-ray Universe
Type of participation: Participatory - oral communication
City of event: Granada, Spain
Jason Stevens; FRANCISCO JESUS CARRERA TROYANO; Rob Ivison; Alex Blustin. 01/07/2008.

- 149 Title of the work:** X-RAY SPECTRAL PROPERTIES OF XMM-NEWTON AXIS SERENDIPITOUS SOURCES
Name of the conference: HIGHLIGHTS OF SPANISH ASTROPHYSICS III
Type of participation: Participatory - oral communication
City of event: Toledo, Spain
SILVIA MATEOS IBÁÑEZ; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO. 1, pp. 119 - 122. 01/01/2003.

- 150 Title of the work:** X-ray absorbed QSOs and the QSO evolutionary sequence
Name of the conference: Studying Galaxy Evolution with Spitzer and Hersche
Type of participation: Participatory - oral communication
City of event: Agios Nikolaos, Creta, Greece
Page M.J.; FRANCISCO JESUS CARRERA TROYANO; JACOBO EBRERO CABRERO; Stevens J.A.; Ivison R.J.Crete University Pre, 01/12/2006.

- 151 Title of the work:** X-ray emission of post-starburst galaxies: looking into the feedback mechanism
Name of the conference: Starburst-AGN connection under the multiwavelength limelight
Type of participation: 'Participatory - poster
City of event: Madrid, Spain
LUCIA BALLO; FRANCISCO JESUS CARRERA TROYANO; SILVIA MATEOS IBÁÑEZ; FRANCESC XAVIER BARCONS JAUREGUI; Tomo Goto.



- 152 Title of the work:** X-ray emission properties of BLAGN in the XMM-2dF Wide Angle Survey
Name of the conference: Black Holes - From Stars to Galaxies
Type of participation: Participatory - oral communication
City of event: Praga, Czech Republic
SILVIA MATEOS IBÁÑEZ; Watson M.G.; Tedds J.; FRANCISCO JESUS CARRERA TROYANO; Page M.J.; AMALIA CORRAL RAMOS. Proc. IAU 238, pp. 59 - 64. 01/04/2007.
- 153 Title of the work:** X-ray observations of Active Galactic Nuclei in the Cosmological Context
Name of the conference: III Scientific Meeting of the SEA
Type of participation: Participatory - oral communication
City of event: La Laguna, Tenerife, Spain
X. Barcons; RUTH CARBALLO FIDALGO; FRANCISCO JESUS CARRERA TROYANO; M.T. Ceballos; JOSE IGNACIO GONZALEZ SERRANO; A. Fabian; R.S. Warwick. "III Scientific Meeting of the SEA". pp. 115 - 118. 21/09/1998. ISBN 0792358813
- 154 Title of the work:** X-ray properties of a sample of NLS1 selected from the SDSS
Name of the conference: Narrow-Line Seyfert 1 Galaxies and their place in the Universe
Type of participation: Participatory - oral communication
City of event: Milano, Italy
NURIA CASTELLO MOR; FRANCESC XAVIER BARCONS JAUREGUI; LUCIA BALLO; FRANCISCO JESUS CARRERA TROYANO. 09/09/2011.
- 155 Title of the work:** X-ray properties of a sample of NLS1 selected from the SDSS
Name of the conference: Narrow-Line Seyfert 1 Galaxies and their place in the Universe
Type of participation: Participatory - oral communication
City of event: Milano, Italy
NURIA CASTELLÓ MOR; FRANCESC XAVIER BARCONS JAUREGUI; LUCIA BALLO; FRANCISCO JESUS CARRERA TROYANO. 09/09/2011.
- 156 Title of the work:** X-ray source counts and angular clustering in the 2XMM serendipitous source catalogue
Name of the conference: X-ray Surveys: Evolution of Accretion, Star-Formation and the Large Scale Structure
Type of participation: Participatory - oral communication
City of event: Rodas, Greece
SILVIA MATEOS IBÁÑEZ; Robert S. Warwick; M.G. Watson; Gordon Stewart; Jonathan Tedds; FRANCISCO JESUS CARRERA TROYANO; JACOBO EBRERO CABRERO; Georg Lamer. 02/07/2007.
- 157 Title of the work:** X-ray source populations from the XMM-Newton Medium Survey
Name of the conference: X-ray Surveys: Evolution of Accretion, Star-Formation and the Large Scale Structure
Type of participation: Participatory - oral communication
City of event: Rodas, Greece
FRANCISCO JESUS CARRERA TROYANO; FRANCESC XAVIER BARCONS JAUREGUI; JAVIER BUSSONS GORDO; JACOBO EBRERO CABRERO; MARIA TERESA CEBALLOS MERINO; AMALIA CORRAL RAMOS. 02/07/2007.
- 158 Title of the work:** X-ray source populations from the XMM-Newton Medium Survey
Name of the conference: X-ray Universe
Type of participation: Participatory - oral communication
City of event: Granada, Spain
FRANCISCO JESUS CARRERA TROYANO; FRANCESC XAVIER BARCONS JAUREGUI; MARIA TERESA CEBALLOS MERINO; JAVIER BUSSONS GORDO. 26/05/2008.



159 Title of the work: X-ray sources as tracers of the large scale structure in the Universe

Name of the conference: X-RAY ASTRONOMY

Type of participation: Participatory - oral communication

City of event: Bolonia, Italy

FRANCESC XAVIER BARCONS JAUREGUI; MARIA TERESA CEBALLOS MERINO; FRANCISCO JESUS CARRERA TROYANO; SILVIA MATEOS IBAÑEZ. AIP Conf. Proc. 599, pp. 3 - 12. 01/01/2001.

160 Title of the work: X-ray spectra from the RIXOS survey

Name of the conference: International Conference on X-ray Astronomy and Astrophysics: Röntgenstrahlung from the Universe

Type of participation: 'Participatory - poster

Mittaz J.P.D.; FRANCISCO JESUS CARRERA TROYANO; Romero-Colmenero E.; Mason K.O.MPE report, 263, pp. 655 - 656. 01/02/1996.

161 Title of the work: X-ray spectra of XMM-Newton AGN from Medium and Deep Surveys

Name of the conference: Multiwavelength AGN Surveys; proceedings of the Guillermo Haro Conference

Type of participation: Participatory - oral communication

City of event: Cozumel, Mexico

SILVIA MATEOS IBAÑEZ; Barcons X.; FRANCISCO JESUS CARRERA TROYANO; Ceballos M.T.World Scientific Pub, pp. 17. 01/01/2004.

162 Title of the work: X-ray spectral properties of nearby AGN using clumpy torus model

Name of the conference: VI Meeting of AGN research in Spain

Type of participation: Participatory - oral communication

City of event: Granada, Spain

KOUSHIKA VAIYAPURI PALANIMUTHU; AMALIA CORRAL RAMOS; FRANCISCO JESUS CARRERA TROYANO; B. Laloux; A. Akylas; A. Georgakakis. 30/01/2023.

163 Title of the work: X-ray surveys with XMM-Newton and Chandra

Name of the conference: Science with the GTC

Type of participation: Participatory - oral communication

City of event: Granada, Spain

FRANCISCO JESUS CARRERA TROYANO. "REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA". 01/01/2003. ISSN 01851101

164 Title of the work: X-ray/optical surveys: trouble in paradise

Name of the conference: Spanish X-ray Astronomy 2013

Type of participation: Participatory - invited/keynote talk

City of event: Barcelona, Spain

FRANCISCO JESUS CARRERA TROYANO. 17/06/2013.

165 Title of the work: XMM-Newton Observations of the Lockman Hole: Spectra and Time Variability of the Brightest AGN

Name of the conference: THE X-RAY UNIVERSE

Type of participation: Participatory - oral communication

City of event: El Escorial, Spain

SILVIA MATEOS IBAÑEZ; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; HASINGER G; LEHMANN; STREBLYANSKA; FABIAN. ESA SP-604, pp. 801 - 806. 01/01/2006.



R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

1 Committee title: Steering Group del XMM-Newton Survey Science Centre
Start-End date: 01/10/2004 - 31/12/2024

2 Committee title: Co-Investigador del XMM-Newton Survey Science Centre
Start-End date: 01/01/2004 - 31/12/2024

3 Committee title: Fellow de la Royal Astronomical Society
Start-End date: 01/07/1998 - 31/12/2024

4 Committee title: Miembro Numerario de la Sociedad Española de Astronomía
Start-End date: 01/09/1993 - 31/12/2024

5 Committee title: Co-presidencia del Topical Panel SWG 2.2: Understanding the build-up of SMBH and galaxies del Athena Science Study Team
Affiliation entity: EUROPEAN SPACE AGENCY
Start-End date: 06/02/2015 - 30/06/2024

6 Committee title: Miembro del NewAthena Science ReDefinition Team de la Agencia Europea del Espacio (ESA)
Affiliation entity: EUROPEAN SPACE AGENCY
Start-End date: 26/10/2022 - 31/01/2024

7 Committee title: Comité de Asignación de Tiempos del Observatorio XMM-Newton AO-3, 4, 7, 8, 16, 18
Affiliation entity: EUROPEAN SPACE AGENCY
Start-End date: 01/01/2016 - 31/12/2018

8 Committee title: Co-presidencia del Topical Panel SWG 2.2: Understanding the build-up of SMBH and galaxies del Athena Science Study Team
Affiliation entity: EUROPEAN SPACE AGENCY
Start-End date: 06/02/2015 - 31/12/2018

9 Committee title: Steering Group del XMM-Newton Survey Science Centre
Start-End date: 01/10/2004 - 31/12/2018

10 Committee title: Co-Investigador del XMM-Newton Survey Science Centre
Start-End date: 01/01/2004 - 31/12/2018

11 Committee title: Fellow de la Royal Astronomical Society
Start-End date: 01/07/1998 - 31/12/2018



12 Committee title: Miembro Numerario de la Sociedad Española de Astronomía
Start-End date: 01/09/1993 - 31/12/2018

13 Committee title: Co-presidencia del Topical Panel SWG 2.2: Understanding the build-up of SMBH and galaxies del Athena Science Study Team
Affiliation entity: EUROPEAN SPACE AGENCY
Start-End date: 06/02/2015 - 31/12/2017

14 Committee title: Steering Group del XMM-Newton Survey Science Centre
Start-End date: 01/10/2004 - 31/12/2017

15 Committee title: Co-Investigador del XMM-Newton Survey Science Centre
Start-End date: 01/01/2004 - 31/12/2017

16 Committee title: Fellow de la Royal Astronomical Society
Start-End date: 01/07/1998 - 31/12/2017

17 Committee title: Miembro Numerario de la Sociedad Española de Astronomía
Start-End date: 01/09/1993 - 31/12/2017

18 Committee title: Comité de Asignación de Tiempos del Observatorio XMM-Newton AO-3, 4, 7, 8, 16
Affiliation entity: EUROPEAN SPACE AGENCY
Start-End date: 01/01/2016 - 31/12/2016

19 Committee title: Comité de Asignación de Tiempo europeo en Suzaku (AO-9 y AO-10)
Affiliation entity: European Space Agency
Start-End date: 01/01/2014 - 31/12/2015

20 Committee title: Steering Group del XMM-Newton Survey Science Centre
Start-End date: 01/10/2004 - 23/12/2012

21 Committee title: Steering Group del XMM-Newton Survey Science Centre
Start-End date: 01/10/2004 - 21/12/2012

22 Committee title: Co-Investigador del XMM-Newton Survey Science Centre
Start-End date: 01/01/2004 - 21/12/2012

23 Committee title: Presidencia del Euro Virtual Observatory Science Advisory Committeee
Start-End date: 01/07/2009 - 23/11/2012

24 Committee title: Presidencia del Comité de Usuarios del Gran Telescopio Canarias
Primary (UNESCO code): 210000 - Astronomy & Astrophysics
Affiliation entity: GRANTECAN, S.A.
Start-End date: 01/02/2011 - 25/02/2012



25 Committee title: Comité de Usuarios del Gran Telescopio Canarias
Primary (UNESCO code): 210000 - Astronomy & Astrophysics
Affiliation entity: GRANTECAN, S.A.
Start-End date: 01/02/2010 - 31/01/2011

26 Committee title: Science Associate del proyecto IXO
Affiliation entity: EUROPEAN SPACE AGENCY
Start-End date: 01/01/2009 - 31/12/2010

27 Committee title: Fellow de la Royal Astronomical Society
Start-End date: 01/07/1998 - 31/12/2010

28 Committee title: Miembro Numerario de la Sociedad Española de Astronomía
Start-End date: 01/09/1993 - 31/12/2010

29 Committee title: Euro Virtual Observatory Science Advisory Committee
Start-End date: 01/02/2006 - 30/06/2009

30 Committee title: Comité de Asignación de Tiempos del observatorio XMM-Newton
Affiliation entity: EUROPEAN SPACE AGENCY
Start-End date: 01/11/2007 - 31/12/2008

31 Committee title: XEUS Astrophysics Working Group
Affiliation entity: EUROPEAN SPACE AGENCY
Start-End date: 01/02/2005 - 01/09/2008

32 Committee title: Comité de Asignación de Tiempos del Observatorio XMM-Newton
Affiliation entity: EUROPEAN SPACE AGENCY
Start-End date: 01/11/2003 - 31/12/2004

Organization of R&D activities

1 Title of the activity: Scientific Organising Committee "Spanish X-ray Astronomy 2019"
Type of activity: Conference **Geographical area:** National
City of event: Alicante, Valencian Community, Spain
Convening entity: Universidad de Alicante **Type of entity:** University
City convening entity: Alicante, Valencian Community, Spain
Type of participation: Organiser
Nº assistants: 20
Start-End date: 26/11/2019 - 27/11/2019 **Duration:** 2 days

2 Title of the activity: Scientific Organising Committee "X-ray Astronomy 2019"
Type of activity: Conference **Geographical area:** Non EU International
City of event: Bologna, Emilia-Romagna, Italy
Convening entity: Universita di Bologna/INAF
City convening entity: Bologna, Emilia-Romagna, Italy
Type of participation: Organiser
Nº assistants: 300

**Start-End date:** 08/09/2019 - 13/09/2019**Duration:** 6 days**3 Title of the activity:** Scientific Organising Committee "V Meeting of AGN research in Spain"**Type of activity:** Conference**Geographical area:** National**City of event:** Santander, Cantabria, Spain**Convening entity:** Instituto de Física de Cantabria (IFCA) **Type of entity:** Public Research Body**City convening entity:** Santander, Cantabria, Spain**Type of participation:** Organiser**Nº assistants:** 30**Start-End date:** 11/07/2019 - 12/07/2019**Duration:** 2 days**4 Title of the activity:** Scientific Organising Committee "Treasures hidden in high energy catalogues"**Type of activity:** Conference**Geographical area:** Non EU International**City of event:** Toulouse, Midi-Pyrénées, France**Convening entity:** Institut de Recherche en Astrophysique et Planétologie**City convening entity:** Toulouse, Midi-Pyrénées, France**Type of participation:** Organiser**Nº assistants:** 60**Start-End date:** 22/05/2018 - 24/05/2018**Duration:** 3 days**5 Title of the activity:** Scientific Organising Committee "Spanish X-ray Astronomy 2017: the path towards Athena"**Type of activity:** Conference**Geographical area:** National**City of event:** Granada, Andalusia, Spain**Convening entity:** Instituto de Astrofísica de Andalucía**Type of entity:** State agency**City convening entity:** Granada, Andalusia, Spain**Type of participation:** Organiser**Nº assistants:** 30**Start-End date:** 23/10/2017 - 25/10/2017**Duration:** 3 days**6 Title of the activity:** Scientific Organising Committee "IV Meeting of AGN research in Spain"**Type of activity:** Conference**Geographical area:** National**City of event:** La Laguna, Canary Islands, Spain**Convening entity:** Instituto de Astrofísica de Canarias**Type of entity:** Public Research Body**City convening entity:** La Laguna, Canary Islands, Spain**Type of participation:** Organiser**Nº assistants:** 30**Start-End date:** 27/10/2016 - 28/10/2016**Duration:** 2 days**7 Title of the activity:** Scientific Organising Committee EWASS "How galaxies live and die: the onset and end of star formation across cosmic time"**Type of activity:** Conference**Geographical area:** European Union**City of event:** Athens, Attiki, Greece**Convening entity:** European Astronomical Society**Type of entity:** Associations and Groups**City convening entity:** Geneva, Switzerland**Type of participation:** Organiser**Nº assistants:** 300**Start-End date:** 06/07/2016 - 08/07/2016**Duration:** 3 days



8 **Title of the activity:** Scientific Organising Committee "X-ray surveys with advanced multi-wavelength cross-identification methods"

Type of activity: Conference

Geographical area: Non EU International

City of event: Paris, Île de France, France

Convening entity: Observatoire Astronomique d'Strasbourg

Type of entity: R&D Centre

City convening entity: Strasbourg, Alsace, France

Type of participation: Organiser

Nº assistants: 30

Start-End date: 30/11/2015 - 01/12/2015

Duration: 3 days

9 **Title of the activity:** Scientific Organising Committee "Demographics and environment of AGN from multi-wavelength surveys"

Type of activity: Conference

Geographical area: Non EU International

City of event: Athens, Attiki, Greece

Convening entity: National Observatory of Athens

Type of entity: R&D Centre

City convening entity: Athens, Attiki, Greece

Type of participation: Organiser

Nº assistants: 30

Start-End date: 21/09/2015 - 24/09/2015

Duration: 4 days

10 **Title of the activity:** Scientific Organizing Committee "The X-ray Universe 2011"

Type of activity: International Symposium

Geographical area: Non EU International

Convening entity: European Space Agency

Type of entity: State agency

City convening entity: Berlin, Germany

Start-End date: 27/06/2011 - 30/06/2011

Duration: 5 days

11 **Title of the activity:** Scientific and Technical Organizing Committee "Multi-wavelength Astronomy and Virtual Observatory"

Type of activity: International Workshop

Geographical area: Non EU International

Convening entity: Euro VO

Type of entity: International Consortium

City convening entity: Villafranca del Castillo, Community of Madrid, Spain

Start-End date: 01/12/2008 - 03/12/2008

Duration: 3 days

12 **Title of the activity:** Comité Organizador Local "VIII Reunión Científica de la Sociedad Española de Astronomía"

Type of activity: Congreso nacional

Geographical area: National

Convening entity: Sociedad Española de Astronomía

Type of entity: Associations and Groups

City convening entity: Santander, Cantabria, Spain

Start-End date: 07/07/2008 - 11/07/2008

Duration: 5 days

13 **Title of the activity:** Chairman of the Local Organizing Committee "X-ray surveys in the light of the new observatories"

Type of activity: International workshop

Geographical area: Non EU International

Convening entity: Instituto de Física de Cantabria (IFCA)

Type of entity: Public Research Body

City convening entity: Santander, Cantabria, Spain

Start-End date: 04/09/2002 - 06/09/2002

Duration: 3 days



R&D management

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** Max Planck Institute für extraterrestrische Physik
City of entity: Garching, Germany
Start date: 15/02/2019 **Duration:** 5 days
Goals of the stay: Guest
Provable tasks: Colaboración en la aplicación de técnicas de "machine learning" a la caracterización de fuentes astronómicas de rayos X

2 **Entity:** max planck institute for extraterrestrial physics
City of entity: Garching, Germany
Start date: 30/07/2018 **Duration:** 5 days
Goals of the stay: Guest
Provable tasks: Colaboración en la aplicación de técnicas de "machine learning" a la caracterización de fuentes astronómicas de rayos X

3 **Entity:** NATIONAL OBSERVATORY OF ATHENS (NOA)
City of entity: Atenas, Greece
Start date: 23/04/2018 **Duration:** 6 days
Goals of the stay: Guest



Provable tasks: Aprender técnicas bayesianas de análisis de espectros astronómicos de rayos X

4 Entity: IMPERIAL COLLEGE OF SCIENCE TECHN & MEDICINE **Type of entity:** University

City of entity: Londres, United Kingdom

Start date: 01/09/2009

Duration: 11 months

Goals of the stay: Sabático financiado por el MICINN

Provable tasks: Aceptación en proyecto Herschel-ATLAS. Participación en Congreso "IR-X-ray connection" en Reino Unido (Julio 2010)

5 Entity: Mullard Space Science Laboratory (UCL)

City of entity: Holmbury St. Mary, Surrey, United Kingdom

Start date: 01/07/2006

Duration: 15 days

Goals of the stay: Guest

Provable tasks: Estancia de investigación

6 Entity: Mullard Space Science Laboratory (UCL)

City of entity: Holmbury St. Mary, Surrey, United Kingdom

Start date: 01/07/2005

Duration: 15 days

Goals of the stay: Guest

Provable tasks: Estancia de investigación

7 Entity: Mullard Space Science Laboratory (UCL)

City of entity: Holmbury St. Mary, Surrey, United Kingdom

Start date: 01/04/1999

Duration: 10 months - 15 days

Goals of the stay: Contracted

Provable tasks: Senior Research Fellow del UCL

8 Entity: Mullard Space Science Laboratory (UCL)

City of entity: Holmbury St. Mary, Surrey, United Kingdom

Start date: 01/01/1993

Duration: 3 years - 2 months

Goals of the stay: Contracted

Provable tasks: Research Fellow del UCL

9 Entity: University of Leicester

City of entity: Leicester, United Kingdom

Start date: 15/10/1990

Duration: 2 months

Goals of the stay: Estancia breve Ministerio

Provable tasks: Estancia de investigación

10 Entity: Institute of Astronomy

City of entity: Cambridge, United Kingdom

Start date: 20/11/1989

Duration: 2 months

Goals of the stay: Estancia breve Ministerio

Provable tasks: Estancia de investigación



Summary of other achievements

- 1 Description of the achievement:** Cuatro charlas de difusión científica en centros de Primaria y Secundaria de Cantabria durante 2024
Conferral date: 31/12/2024
- 2 Description of the achievement:** Evaluación de proyectos para la AEI en 2024
Conferral date: 31/12/2024
- 3 Description of the achievement:** Participacion en las clases magistrales internacionales de astrofísica en las ediciones de 2022, 2023 y 2024
Conferral date: 31/12/2024
- 4 Description of the achievement:** Participación en la actividad Pint of Science de difusión científica en sus ediciones de 2022, 2023 y 2024
Conferral date: 14/05/2024
- 5 Description of the achievement:** Nueve actividades sobre "Órbitas" para alumnos de 3º de la ESO dentro del proyecto ESTALMAT (ediciones 2016 a 2020 y 2023 a 2024)
Conferral date: 20/01/2024
- 6 Description of the achievement:** Siete charlas de difusión científica en centros de Primaria y Secundaria durante 2023
Conferral date: 31/12/2023
- 7 Description of the achievement:** Participación como jurado en la Feria de la Ciencia de la Universidad de Cantabria en sus ediciones de 2018, 2022 y 2023
Conferral date: 28/04/2023
- 8 Description of the achievement:** Participación como mentor individual y grupal en las ediciones I a IV del Programa Amentúrate de Mentorías Universitarias para estudiantes de la ESO con altas capacidades de Cantabria, en los cursos 2018-19 a 2021-22
Conferral date: 30/12/2022
- 9 Description of the achievement:** Siete charlas de divulgación científica para alumnos de Primaria y Secundaria durante 2022
Conferral date: 30/12/2022
- 10 Description of the achievement:** Participación como investigador en la Noche Europea de los Investigadores de la UC en Santander el 27 de septiembre de 2019, el 22 de septiembre de 2021 y el 30 de septiembre de 2022
Conferral date: 30/09/2022
- 11 Description of the achievement:** Participación en la II y III ediciones de La Universidad en tu barrio de la Universidad de Cantabria (2021 y 2022)
Conferral date: 17/06/2022
- 12 Description of the achievement:** Impartición de una conferencia sobre "Athena: El Universo Caliente y Energético" en el Centro Madrazo de Santander, organizada por la Agrupación Astronómica Cántabra
Conferral date: 05/04/2022



13 Description of the achievement: Evaluación de proyectos para la Universidad de La Laguna (2021)
Conferral date: 31/12/2021

14 Description of the achievement: Cinco charlas de divulgación científica para alumnos de Primaria y Secundaria durante 2021
Conferral date: 28/02/2021

15 Description of the achievement: Evaluación de proyectos para la ANEP (2007-2010, 2014-2020)
Conferral date: 31/12/2020

16 Description of the achievement: Once charlas de divulgación científica (cinco de ellas por teleconferencia) para alumnos de Primaria y Secundaria durante 2020
Conferral date: 31/12/2020

17 Description of the achievement: Participación en las Semanas de la Ciencia 2017-2021 de la Universidad de Cantabria en el Instituto de Física de Cantabria (CSIC-UC), Santander
Conferral date: 15/11/2020

18 Description of the achievement: Siete actividades sobre "Órbitas" para alumnos de 3º de la ESO dentro del proyecto ESTALMAT, impartidas los días 21 de mayo de 2016, 18 de febrero de 2017, 18 de marzo de 2017, 10 y 24 de marzo de 2018, 9 de marzo de 2019 y 7 de marzo de 2020
Conferral date: 07/03/2020

19 Description of the achievement: Seis charlas de divulgación científica para alumnos de Primaria y Secundaria durante 2020
Conferral date: 06/03/2020

20 Description of the achievement: Impartición de una conferencia en el Ateneo de Santander sobre "Athena: el Universo caliente y energético"
Conferral date: 08/01/2020

21 Description of the achievement: Cinco tramos de actividad investigadora (sexenios, 1989-2018) valorados positivamente por la CNEAI a 1 de enero de 2019
Conferral date: 31/12/2019

22 Description of the achievement: Evaluación de proyectos para la Agencia Spaziale Italiana (ASI), el Istituto Nazionale di Fisica Nucleare (INFN) y el Istituto Nazionale di Astrofisica (INAF) (2017-19)
Conferral date: 31/12/2019

23 Description of the achievement: Seis charlas de divulgación científica para alumnos de Primaria y Secundaria durante 2019
Conferral date: 31/12/2019

24 Description of the achievement: Seis módulos de méritos docentes (1989-2018) valorados positivamente por la Comisión de Evaluación de la Universidad de Cantabria a 1 de enero de 2019
Conferral date: 31/12/2019

25 Description of the achievement: Participación en las Semanas de la Ciencia 2017, 2018 y 2019 de la Universidad de Cantabria en el Instituto de Física de Cantabria (CSIC-UC), Santander
Conferral date: 15/11/2019



- 26 Description of the achievement:** Organización y realización de una observación el tránsito de Mercurio por delante del Sol el 11 de noviembre de 2019, desarrollada por el IFCA en colaboración con el Observatorio Astronómico de Cantabria y la Agrupación Astronómica Cántabra
Conferral date: 11/11/2019
- 27 Description of the achievement:** Participación como investigador en la Noche Europea de los Investigadores de la UC en Santander el 27 de septiembre de 2019
Conferral date: 27/09/2019
- 28 Description of the achievement:** Impartición del taller "Cohetes de agua" en la XVI edición del Campus Infantil de la Universidad de Cantabria, Santander
Conferral date: 24/07/2019
- 29 Description of the achievement:** Impartición de una conferencia en el Ateneo de Santander, junto con Jonatan Piedra Gómez, sobre "Ochenta mil leguas de viaje espacial"
Conferral date: 19/07/2019
- 30 Description of the achievement:** Cinco charlas de divulgación científica para alumnos de Primaria y Secundaria durante 2018
Conferral date: 31/12/2018
- 31 Description of the achievement:** Evaluación de planes de estudio para la Agencia Andaluza del Conocimiento (2015-18)
Conferral date: 31/12/2018
- 32 Description of the achievement:** Usuario asiduo de las grandes instalaciones: XMM-Newton (ESA), WHT, INT, NOT, TNG (Observatorio del Roque de los Muchachos), Calar Alto
Conferral date: 29/12/2018
- 33 Description of the achievement:** Usuario ocasional de las grandes instalaciones: Herschel (ESA), GTC, VLT, JCMT, ASCA (JAXA), Ginga (JAXA), Rosat (Alemania, Reino Unido, Estados Unidos), IUE (ESA)
Conferral date: 29/12/2018
- 34 Description of the achievement:** Usuario ocasional de las grandes instalaciones: XMM-Newton (ESA), WHT, INT, NOT, TNG (Observatorio del Roque de los Muchachos), Calar Alto
Conferral date: 29/12/2018
- 35 Description of the achievement:** Dos actividades de observación astronómica nocturna en la cúpula del Instituto de Física de Cantabria los días 21 de agosto y 17 de noviembre de 2018
Conferral date: 17/11/2018
- 36 Description of the achievement:** Doce charlas y actividades de divulgación científica para alumnos de Primaria y Secundaria durante 2017
Conferral date: 31/12/2017
- 37 Description of the achievement:** Evaluación de planes de estudio para la Agencia Andaluza del Conocimiento (2015-18)
Conferral date: 31/12/2017



38 Description of the achievement: Evaluación de proyectos para el Instituto Nacional Italiano para la Astrofísica (INAF, 2009)
Conferral date: 31/12/2017

39 Description of the achievement: Evaluación de proyectos para el Ministerio de Economía y Competitividad (2016)
Conferral date: 31/12/2017

40 Description of the achievement: Evaluación de proyectos para la Agencia Espacial Italiana (ASI, 2008-2009)
Conferral date: 31/12/2017

41 Description of the achievement: Diploma de Innovación Docente expedido por la Universidad de Cantabria a 11 de Mayo de 2016
Conferral date: 29/12/2017

42 Description of the achievement: Evaluación de proyectos para la Agencia Spaziale Italiana (ASI), el Istituto Nazionale di Fisica Nucleare (INFN) y el Istituto Nazionale di Astrofisica (INAF) (2017)
Conferral date: 26/10/2017

43 Description of the achievement: Participación como investigador en la Noche Europea de los Investigadores de la UC en Santander con un monólogo sobre "Yo NO soy un astrólogo"
<https://www.youtube.com/watch?v=J1hsULdTts4>
Conferral date: 29/09/2017

44 Description of the achievement: Director del Curso de Verano de la Universidad de Cantabria "Herramientas multi-longitud de onda para explorar el Universo" en su sede de Laredo (13 y 14 de julio de 2017)
Conferral date: 14/07/2017

45 Description of the achievement: Actividad sobre "El Sistema Solar" para alumnos de 1º y 2º de ESO del Colegio Sagrado Corazón Esclavas de Santander el día 5 de junio de 2017
Conferral date: 05/06/2017

46 Description of the achievement: Tres charlas de divulgación científica para alumnos de Primaria y Secundaria durante 2016
Conferral date: 31/12/2016

47 Description of the achievement: Participación en la Semana de la Ciencia del IFCA en los meses de Noviembre de 2010, 2011, 2012, 2013, 2015 y 2016 con visitas guiadas al Instituto y charlas de Astronomía a alumnos de Primaria, Secundaria y Bachillerato
Conferral date: 01/11/2016

48 Description of the achievement: Participación como investigador en la Noche Europea de los Investigadores de la UC en Santander con un monólogo sobre "El lado oscuro de la investigación: la docencia"
<https://www.youtube.com/watch?v=SHicvCDUIhK>
Conferral date: 30/09/2016

49 Description of the achievement: Organización e impartición de una charla sobre el tránsito de Mercurio por delante del Sol el 9 de Mayo de 2016, desarrollada por el IFCA en colaboración con el Observatorio Astronómico de Cantabria y la Agrupación Astronómica Cántabra
Conferral date: 09/05/2016



- 50 Description of the achievement:** Seis charlas y actividades de divulgación científica para alumnos de Primaria y Secundaria durante 2015
Conferral date: 31/12/2015
- 51 Description of the achievement:** Retransmisión en directo del descenso del módulo Philae de Rosetta, incluyendo una charla sobre cometas en el IFCA (CSIC-UC, Santander) el 12 de Noviembre de 2014
Conferral date: 12/11/2014
- 52 Description of the achievement:** Charla sobre "Agujeros Negros" dentro de las jornadas de divulgación de Astronomía organizadas por el Observatorio Astronómico de Cantabria
Conferral date: 11/10/2014
- 53 Description of the achievement:** Participación en el taller "Dialoga con la Ciencia, dialoga con un científico" dentro de la "Noche de los investigadores" organizada por IFCA y la Universidad de Cantabria
Conferral date: 26/09/2014
- 54 Description of the achievement:** Tres actividades sobre Física, Astrofísica y Cosmología para alumnos de Secundaria en el Colegio Esclavas del Sagrado Corazón de Santander, los días 28 de Mayo, 14 de Junio y 5 de Diciembre de 2013
Conferral date: 05/12/2013
- 55 Description of the achievement:** Participación en la Semana de la Ciencia del IFCA en los meses de Noviembre de 2010, 2011, 2012 y 2013, con visitas guiadas al Instituto y charlas de Astronomía a alumnos de Primaria, Secundaria y Bachillerato
Conferral date: 01/11/2013
- 56 Description of the achievement:** Charla sobre "El Universo violento y oscuro" dentro de las jornadas de divulgación de Astronomía organizadas por el Observatorio Astronómico de Cantabria
Conferral date: 28/10/2013
- 57 Description of the achievement:** Tres visitas guiadas a la exposición "Universo Fascinante. El Cosmos a través de los ojos del Observatorio Europeo Austral" para alumnos de ESO, los días 7, 16 y 18 de Octubre de 2013
Conferral date: 18/10/2013
- 58 Description of the achievement:** Participación en el taller "Dialoga con la Ciencia, dialoga con un científico" dentro de la "Noche de los investigadores" organizada por IFCA y la Universidad de Cantabria
Conferral date: 27/09/2013
- 59 Description of the achievement:** Dirección de una práctica y participación en una experiencia dentro de los Campus de Física de la Facultad de Ciencias de la Universidad de Cantabria en sus ediciones I a XII (2000 a 2008 y 2010 a 2012)
Conferral date: 01/04/2012
- 60 Description of the achievement:** Participación en el vídeo "¿Qué son los agujeros negros?" dentro de la serie "2 a la 4 preguntas y respuestas" del IFCA (<http://www.ifca.unican.es/en/preguntas-respuestas>)
Conferral date: 07/11/2011
- 61 Description of the achievement:** Director de un ciclo de Cursos de Verano de la Universidad de Cantabria con el título general "Curso práctico de Astronomía" en los años 2007, 2008 y 2009
Conferral date: 01/07/2009



62 Description of the achievement: Impartición de la conferencia "Historia de la Astronomía: desde Stonehenge a la manzana de Newton" dentro del ciclo anual de conferencias de la Agrupación Astronómica Cántabra

Conferral date: 13/01/2009

63 Description of the achievement: Persona de contacto en la U. de Cantabria para la organización de actividades del Año Internacional de la Astronomía 2009, incluyendo la organización de un concierto, ciclos de conferencias, y observaciones públicas, participando en estas dos últimas

Conferral date: 01/01/2009

64 Description of the achievement: Persona de contacto en la Universidad de Cantabria para la organización de actividades relacionadas con el Año Internacional de la Astronomía 2009, que han incluido la organización de Ciclos de Conferencias, un concierto y observaciones públicas

Conferral date: 01/01/2009

65 Description of the achievement: Impartición de la conferencia "Las herramientas del futuro para el estudio del Universo" dentro de un Ciclo de conferencias de la Facultad de Ciencias de la Universidad de Cantabria

Conferral date: 17/04/2008

66 Description of the achievement: Diversas charlas de divulgación sobre Astronomía en los años 2000 a 2007

Conferral date: 31/12/2007

67 Description of the achievement: Diversas charlas de divulgación sobre Astronomía desde el año 2000

Conferral date: 01/01/2000