



**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.

### 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 each course.

### **Supervision of PhD and Bsc Theses**

In total I have supervised one Ph. D. Thesis alone and five more in collaboration, all of whom hold currently post-doctoral positions in Astronomy. I am currently supervising another Ph. D. Thesis alone and co-supervising another one, both expected to finish in 2018. I have also supervised one M. Sc. Thesis and three B. Sc. Theses in Physics and Engineering. I am also serving regularly in BSc 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 (Weeks of Science, Nights of Researchers, 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 123 research articles in Astronomy journals virtually all of the first quartile, with more than 3400 citations (Hirsh index  $h=37$ ), 66 further publications in conference proceedings and 40 more contributions to conferences (most of them international). All this activity has evaluated objectively with the four "tramos de investigación" (six year periods) that are possible for me at the moment (1989-2012).

**FRANCISCO JESUS CARRERA TROYANO**

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 ORCID: **0000-0003-2135-9023**  
 ScopusID: **7005307803**  
 ResearcherID: **H-1471-2015**  
 Date of birth: **06/10/1965**  
 Gender: **Male**  
 Nationality: **Spain**  
 Country of birth: **Mexico**  
 City of birth: **Veracruz, Ver.**  
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**Current professional situation**

**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**

	<b>Employing entity</b>	<b>Professional category</b>	<b>Start date</b>
<b>1</b>	UNIVERSIDAD DE CANTABRIA	TU ASTRONOMÍA Y ASTROFÍSICA /	23/07/2001
<b>2</b>	UNIVERSIDAD DE CANTABRIA	TU ASTRONOMÍA Y ASTROFÍSICA /	23/07/2001
<b>3</b>	UNIVERSIDAD DE CANTABRIA	TU ASTRONOMÍA Y ASTROFÍSICA /	23/07/2001
<b>4</b>	UNIVERSIDAD DE CANTABRIA	TU FÍSICA DE LA TIERRA, ASTRONOMIA Y ASTROF /	28/02/2000
<b>5</b>	UNIVERSIDAD DE CANTABRIA		28/02/2000

	Employing entity	Professional category	Start date
		TU FISICA DE LA TIERRA, ASTRONOMIA Y ASTROF /	
6	University College London	Senior Research Fellow	01/04/1999
7	UNIVERSIDAD DE CANTABRIA	Proyectos Investigación	17/03/1999
8	Consejo Superior de Investigaciones Científicas	Investigador contratado	19/03/1996
9	University College London	Research Fellow	01/01/1993
10	Universidad de Cantabria	Becario de Formación de Personal Investigador	01/01/1989

**1** **Employing entity:** UNIVERSIDAD DE CANTABRIA  
**Professional category:** TU ASTRONOMÍA Y ASTROFÍSICA /  
**Start date:** 23/07/2001 **Duration:** 16 years - 5 months - 17 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 ASTRONOMÍA Y ASTROFÍSICA /  
**Start date:** 23/07/2001 **Duration:** 5 years - 9 months - 24 days

**4** **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

**5** **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

**6** **Employing entity:** University College London  
**Professional category:** Senior Research Fellow  
**Start date:** 01/04/1999 **Duration:** 10 months - 10 days

**7** **Employing entity:** UNIVERSIDAD DE CANTABRIA  
**Professional category:** Proyectos Investigación  
**Start date:** 17/03/1999 **Duration:** 21 days

**8** **Employing entity:** Consejo Superior de Investigaciones Científicas  
**Professional category:** Investigador contratado  
**Start date:** 19/03/1996 **Duration:** 2 years - 11 months - 16 days

**9**



**Employing entity:** University College London

**Professional category:** Research Fellow

**Start date:** 01/01/1993

**Duration:** 3 years - 2 months - 1 day

**10** **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:** Acércate a la Ciencia con el Instituto de Física de Cantabria

**University degree:** Programa Senior Ciclo de Especialidades

**Frequency of the activity:** 2

**End date:** 01/10/2017

**Type of hours/ ECTS credits:** Credits

**Hours/ECTS credits:** 0,55

**Entity:** UNIVERSIDAD DE CANTABRIA

**2 Type of teaching:** Official teaching

**Name of the course:** Astronomy

**University degree:** Doble Grado en Física y Matemáticas

**Frequency of the activity:** 6

**End date:** 01/10/2017

**Type of hours/ ECTS credits:** Credits

**Hours/ECTS credits:** 0,82





**Entity:** UNIVERSIDAD DE CANTABRIA

- 3** **Type of teaching:** Official teaching  
**Name of the course:** Astronomy  
**University degree:** Grado en Física  
**Frequency of the activity:** 6  
**End date:** 01/10/2017 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 1,46  
**Entity:** UNIVERSIDAD DE CANTABRIA
- 4** **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  
**End date:** 01/10/2017 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 2,44  
**Entity:** UNIVERSIDAD DE CANTABRIA
- 5** **Type of teaching:** Official teaching  
**Name of the course:** Física Básica Experimental  
**University degree:** Grado en Matemáticas  
**Frequency of the activity:** 2  
**End date:** 01/10/2017 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 5,55  
**Entity:** UNIVERSIDAD DE CANTABRIA
- 6** **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  
**End date:** 01/10/2017 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 0,14  
**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:** Grado en Física  
**Frequency of the activity:** 9  
**End date:** 01/10/2017 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 0,68  
**Entity:** UNIVERSIDAD DE CANTABRIA
- 8** **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  
**End date:** 01/10/2017 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 1,25  
**Entity:** UNIVERSIDAD DE CANTABRIA



- 9** **Type of teaching:** Official teaching  
**Name of the course:** Astronomía  
**University degree:** Grado en Física  
**Frequency of the activity:** 5  
**End date:** 01/10/2015  
**Hours/ECTS credits:** 5,87  
**Entity:** UNIVERSIDAD DE CANTABRIA  
**Type of hours/ ECTS credits:** Credits
- 10** **Type of teaching:** Official teaching  
**Name of the course:** Astronomía  
**University degree:** Grado en Física  
**Frequency of the activity:** 3  
**End date:** 01/10/2013  
**Hours/ECTS credits:** 5,13  
**Entity:** UNIVERSIDAD DE CANTABRIA  
**Type of hours/ ECTS credits:** Credits
- 11** **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  
**End date:** 01/10/2013  
**Hours/ECTS credits:** 1,94  
**Entity:** UNIVERSIDAD DE CANTABRIA  
**Type of hours/ ECTS credits:** Credits
- 12** **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  
**End date:** 01/10/2013  
**Hours/ECTS credits:** 0,69  
**Entity:** UNIVERSIDAD DE CANTABRIA  
**Type of hours/ ECTS credits:** Credits
- 13** **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  
**End date:** 01/10/2013  
**Hours/ECTS credits:** 1,94  
**Entity:** UNIVERSIDAD DE CANTABRIA  
**Type of hours/ ECTS credits:** Credits
- 14** **Type of teaching:** Official teaching  
**Name of the course:** Astrofísica Estelar  
**University degree:** LICENCIADO EN FISICA  
**Frequency of the activity:** 8  
**End date:** 01/10/2012  
**Hours/ECTS credits:** 2  
**Entity:** UNIVERSIDAD DE CANTABRIA  
**Type of hours/ ECTS credits:** Credits
- 15** **Type of teaching:** Official teaching  
**Name of the course:** Astronomía  
**University degree:** Grado en Física



**Frequency of the activity:** 3

**End date:** 01/10/2012

**Hours/ECTS credits:** 6,05

**Entity:** UNIVERSIDAD DE CANTABRIA

**Type of hours/ ECTS credits:** Credits

**16 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

**End date:** 01/10/2012

**Hours/ECTS credits:** 0,64

**Entity:** UNIVERSIDAD DE CANTABRIA

**Type of hours/ ECTS credits:** Credits

**17 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

**End date:** 01/10/2012

**Hours/ECTS credits:** 2

**Entity:** UNIVERSIDAD DE CANTABRIA

**Type of hours/ ECTS credits:** Credits

**18 Type of teaching:** Official teaching

**Name of the course:** Observational Astronomy

**University degree:** LICENCIADO EN FISICA

**Frequency of the activity:** 5

**End date:** 01/10/2012

**Hours/ECTS credits:** 2

**Entity:** UNIVERSIDAD DE CANTABRIA

**Type of hours/ ECTS credits:** Credits

**19 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

**End date:** 01/10/2012

**Hours/ECTS credits:** 0,58

**Entity:** UNIVERSIDAD DE CANTABRIA

**Type of hours/ ECTS credits:** Credits

**20 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

**End date:** 01/10/2012

**Hours/ECTS credits:** 1,63

**Entity:** UNIVERSIDAD DE CANTABRIA

**Type of hours/ ECTS credits:** Credits

**21 Type of teaching:** Official teaching

**Name of the course:** Astronomía General

**University degree:** LICENCIADO EN FISICA

**Frequency of the activity:** 8

**End date:** 01/10/2010

**Hours/ECTS credits:** 6

**Type of hours/ ECTS credits:** Credits



**Entity:** UNIVERSIDAD DE CANTABRIA

- 22** **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  
**End date:** 01/10/2010 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 3,53  
**Entity:** UNIVERSIDAD DE CANTABRIA
- 23** **Type of teaching:** Official teaching  
**Name of the course:** Física Cuántica  
**University degree:** LICENCIADO EN FISICA  
**Frequency of the activity:** 3  
**End date:** 01/10/2008 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 3  
**Entity:** UNIVERSIDAD DE CANTABRIA
- 24** **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  
**End date:** 01/10/2008 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 1,7  
**Entity:** UNIVERSIDAD DE CANTABRIA
- 25** **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  
**End date:** 01/10/2008 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 0,65  
**Entity:** UNIVERSIDAD DE CANTABRIA
- 26** **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  
**End date:** 01/10/2008 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 1,1  
**Entity:** UNIVERSIDAD DE CANTABRIA
- 27** **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  
**End date:** 01/10/2008 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 1,19  
**Entity:** UNIVERSIDAD DE CANTABRIA



- 28** **Type of teaching:** Official teaching  
**Name of the course:** Análisis Estadístico en Física Experimental  
**Frequency of the activity:** 5  
**End date:** 01/10/2006 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 1  
**Entity:** UNIVERSIDAD DE CANTABRIA
- 29** **Type of teaching:** Official teaching  
**Name of the course:** Astronomía Espacial  
**Frequency of the activity:** 2  
**End date:** 01/10/2006 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 1  
**Entity:** UNIVERSIDAD DE CANTABRIA
- 30** **Type of teaching:** Official teaching  
**Name of the course:** Técnicas Observacionales en Astrofísica  
**University degree:** LICENCIADO EN FISICA  
**Frequency of the activity:** 3  
**End date:** 01/10/2005 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 3  
**Entity:** UNIVERSIDAD DE CANTABRIA
- 31** **Type of teaching:** Official teaching  
**Name of the course:** Astrofísica de Altas Energías  
**Frequency of the activity:** 1  
**End date:** 01/10/2003 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 1  
**Entity:** UNIVERSIDAD DE CANTABRIA
- 32** **Type of teaching:** Official teaching  
**Name of the course:** Análisis Estadístico en Física Experimental  
**Frequency of the activity:** 2  
**End date:** 01/10/2002 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 1  
**Entity:** UNIVERSIDAD DE CANTABRIA
- 33** **Type of teaching:** Official teaching  
**Name of the course:** Fundamentos de Computadores y Lenguajes  
**University degree:** LICENCIADO EN FISICA  
**Frequency of the activity:** 3  
**End date:** 01/10/2002 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 6  
**Entity:** UNIVERSIDAD DE CANTABRIA
- 34** **Type of teaching:** Official teaching  
**Name of the course:** Relatividad  
**University degree:** LICENCIADO EN CIENCIAS, SECCION FISICAS  
**Frequency of the activity:** 4  
**End date:** 01/10/2002 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 2,25  
**Entity:** UNIVERSIDAD DE CANTABRIA



**35** **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  
**End date:** 01/10/2001 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 6  
**Entity:** UNIVERSIDAD DE CANTABRIA

**36** **Type of teaching:** Official teaching  
**Name of the course:** Astrofísica de Altas Energías II  
**Frequency of the activity:** 1  
**End date:** 01/10/2000 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 1,5  
**Entity:** UNIVERSIDAD DE CANTABRIA

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

- 1** **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
- 2** **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
- 3** **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
- 4** **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
- 5** **Project title:** 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

- 6** **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
- 7** **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
- 8** **Project title:** Caracterización espectral en rayos X del crecimiento 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
- 9** **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
- 10** **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
- 11** **Project title:** Calibración de una cámara 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
- 12** **Project title:** TRABAJO FIN DE CARRERA. Calibración de una cámara 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



- 13** **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
- 14** **Project title:** 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
- 15** **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:** 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 €
- 2** **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 €





- 3** **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 €
- 4** **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 €
- 5** **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 **Duration:** 2 years - 8 months - 3 days  
**Total amount:** 201.600 €
- 6** **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 €
- 7** **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  
**Total amount:** 254.100 €

**Duration:** 3 years - 1 day

- 8 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....):** FRANCESC 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  
**Total amount:** 175.450 €
- Duration:** 12 months

- 9 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  
**Total amount:** 609.480 €
- Duration:** 2 years - 11 months - 20 days

- 10 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  
**Total amount:** 21.000 €
- Duration:** 1 year

- 11 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  
**Total amount:** 451.050 €
- Duration:** 1 year - 1 day

- 12 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 €

- 13** **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 €
- 14** **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 €
- 15** **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 €
- 16** **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 €
- 17** **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 CIENTIFICAS (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  
**Total amount:** 67.313 €

**Duration:** 2 years - 11 months - 20 days

**18 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....):** FRANCESC XAVIER BARCONS JAUREGUI

**Nº of researchers:** 2

**Funding entity or bodies:**

Dirección General de Enseñanza Superior e Investigación Científica

**Start date:** 01/11/1998

**Duration:** 2 years - 11 months - 20 days

**Total amount:** 0 €

**19 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....):** FRANCESC 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 €

**20 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....):** FRANCESC XAVIER BARCONS JAUREGUI

**Nº of researchers:** 4

**Funding entity or bodies:**

Dirección General de Enseñanza Superior

**Start date:** 01/11/1996

**Duration:** 2 years - 11 months - 20 days

**Total amount:** 34.237 €

**21 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 €

**22 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....):** FRANCESC 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 €



- 23** **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 G. Mountrichas; AMALIA CORRAL RAMOS; V. A. Masoura; I. Georgantopoulos; A. Ruiz; A. Georgakakis; FRANCISCO JESUS CARRERA TROYANO; S. Fotopoulou. Estimating photometric redshifts for X-ray sources in the X-ATLAS field using machine-learning techniques. *Astronomy & Astrophysics*. 608, pp. 39. 01/12/2017. ISSN 1432-0746  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 5.185
- 2 S. Falocco; M. Paolillo; A. Comastri; FRANCISCO JESUS CARRERA TROYANO; P. Ranalli; K. Iwasawa; I. Georgantopoulos; C. Vignali; R. Gilli. The XMM deep survey in the CDF-S. X. X-ray variability of bright sources. *Astronomy & Astrophysics*. 608, pp. 32. 01/12/2017. ISSN 1432-0746  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 5.185
- 3 L. Spinoglio; A. Alonso-Herrero; L. Armus; M. Baes; J. Bernard-Salas; S. Bianchi; M. Bocchio; A. Bolatto; C. Bradford; J. Braine; FRANCISCO JESUS CARRERA TROYANO; L. Ciesla; D. L. Clements; H. Dannerbauer; Y. Doi; A. Efstathiou; E. Egami; J. A. Fernández-Ontiveros; A. Ferrara; J. Fischer; A. Franceschini; S. Gallerani; M. Giard; E. González-Alfonso; C. Gruppioni; P. Guillard; E. Hatziminaoglou; M. Imanishi; D. Ishihara; N. Isobe; H. Kaneda; M. Kawada; K. Kohno; J. Kwon; S. Madden; M. A. Malkan; S. Marassi; H. Matsuhara; M. Matsuura; G. Miniutti; K. Nagamine; T. Nagao; F. Najarro; T. Nakagawa; T. Onaka; S. Oyabu; A. Pallottini; L. Piro; F. Pozzi; G. Rodighiero; P. Roelfsema; I. Sakon; P. Santini; D. Schaerer; R. Schneider; D. Scott; S. Serjeant; H. Shibai; J.-D. T. Smith; E. Sobacchi; E. Sturm; T. Suzuki; L. Vallini; F. van der Tak; C. Vignali; T. Yamada; T. Wada; L. Wang. Galaxy Evolution Studies with the SPace IR Telescope for Cosmology and Astrophysics (SPICA): The Power of IR Spectroscopy. *Publications of the Astronomical Society of Australia*. 34, 16/11/2017. ISSN 1448-6083  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 4.095
- 4 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 **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 4.095





- 5** SILVIA MATEOS IBAÑEZ; 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 **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 5.487
- 6** 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  
**Type of production:** Scientific paper **Format:** Journal
- 7** IGNACIO ORDOVAS PASCUAL; SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO; K. Wiersema; FRANCESC XAVIER BARCONS JAUREGUI; V. Braitto; A. Caccianiga; A. Del Moro; R. Della Ceca; P. Severgnini. AGN with discordant optical and X-ray classification are not a physical family: Diverse origin in two AGN. Monthly Notices of the Royal Astronomical Society. pp. 693 - 704. 08/04/2017. ISSN 1365-2966  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 4.952
- 8** 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 **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 4.952
- 9** 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  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 4.952
- 10** 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
- 11** Alexey Mints; Axel Schwobe; 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  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 5.185



- 12** Zhu Liu; Weimin Yuan; Youjun Lu; FRANCISCO JESUS CARRERA TROYANO; Serena Falocco; Xiao-Bo Dong. Dependence of the broad Fe Ka 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  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 4.952
- 13** 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
- 14** M. J. Page; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; AMALIA CORRAL RAMOS; J. Ebrero; P. Esquej; M. Krumpke; SILVIA MATEOS IBAÑEZ; S. Rosen; A. Schwobe; 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
- 15** 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
- 16** S. R. Rosen; N. A. Webb; M. G. Watson; J. Ballet; D. Barret; V. Braitto; 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. Koliopanos; 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. Schwobe; 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
- 17** SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO; ALMUDENA ALONSO HERRERO; ANTONIO HERNAN CABALLERO; FRANCESC XAVIER BARCONS JAUREGUI; A. Asensio Ramos; M. G. Watson; A. Blain; A. Caccianiga; L. Ballo; V. Braitto; C. Ramos Almeida. X-RAY ABSORPTION, NUCLEAR INFRARED EMISSION, AND DUST COVERING FACTORS OF AGNs: TESTING UNIFICATION SCHEMES. The Astrophysical Journal. 819 - 2, pp. 166 - 177. 09/03/2016. ISSN 1538-4357  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI





**Impact index in year of publication:** 5.993

- 18** 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 **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 5.084
- 19** 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  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 5.521
- 20** P. Ranalli; I. Georgantopoulos (I. Ge???; A. Corral; L. Koutoulidis (? K??t??id?; M. Rovilos (E. P?í???); 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 **Format:** Journal  
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**Impact index in year of publication:** 5.084
- 21** SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO; ALMUDENA ALONSO HERRERO; E. Rovilos; ANTONIO HERNAN CABALLERO; FRANCESC 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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- 22** 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  $z \sim 2$ : 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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- 23** K. Iwasawa; C. Vignali; A. Comastri; R. Gilli; F. Vito; W. N. Brandt; FRANCISCO JESUS CARRERA TROYANO; G. Lanzuisi; S. Falocco; F. Vagnetti. The XMM deep survey in the CDF-S. VIII. X-ray properties of the two brightest sources. *Astronomy & Astrophysics*. 574, 01/02/2015. ISSN 1432-0746  
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- 37** A. Nebot Gómez-Morán; C. Motch; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; M. Cropper; N. Grosso; P. Guillout; O. Hérent; SILVIA MATEOS IBAÑEZ; L. Michel; J. P. Osborne; M. Pakull; F.-X. Pineau; J. P. Pye; T. P. Roberts; S. R. Rosen; A. D. Schwobe; M. G. Watson; N. Webb. The XMM-Newton SSC survey of the Galactic plane. *Astronomy & Astrophysics (Edición Electrónica)*. 553, pp. 12 - 12. 01/05/2013. ISSN 14320746  
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- 39** A. Ruiz; G. Risaliti; E. Nardini; F. Panessa; FRANCISCO JESUS CARRERA TROYANO. Analysis of Spitzer-IRS spectra of hyperluminous infrared galaxies. *Astronomy & Astrophysics (Edición Electrónica)*. 549, pp. 125. 01/01/2013. ISSN 14320746  
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- 64** FRANCESCA PANESSA; FRANCISCO JESUS CARRERA TROYANO; Bianchi S.; Gastaldello F.; FRANCESC XAVIER BARCONS JAUREGUI; Barcons X.; Bassani L.; Matt G.; Monaco L. Unabsorbed Seyfert 2 galaxies: the case of 'naked' AGN. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*. 398, pp. 1951 - 1960. 01/10/2009. ISSN 00358711  
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- 66** Lamastra A.; Bianchi S.; Matt G.; Perola G.C.; Barcons X.; FRANCISCO JESUS CARRERA TROYANO. The bolometric luminosity of type 2 AGN from extinction-corrected [OIII]. No evidence of Eddington-limited sources. *ASTRONOMY & ASTROPHYSICS* (Edición Impresa). 504, pp. 73 - 79. 01/09/2009. ISSN 00046361  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 4.425
- 67** JACOBO EBRERO CABRERO; SILVIA MATEOS IBAÑEZ; Stewart G.C.; FRANCISCO JESUS CARRERA TROYANO; Watson M.G. High-precision multi-band measurements of the angular clustering of X-ray sources. *ASTRONOMY & ASTROPHYSICS* (Edición Impresa). 500, pp. 749 - 762. 01/06/2009. ISSN 00046361  
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**Impact source:** ISI  
**Impact index in year of publication:** 4.425
- 68** M. ARNAUD; FRANCESC XAVIER BARCONS JAUREGUI; D. BARRET; M. BAUTZ; R. BELLAZZINI; J. BLEEKER; H. BÖHRINGER; T. BOLLER; WN. BRANDT; M. CAPPI; FRANCISCO JESUS CARRERA TROYANO; ET AL. XEUS: the physics of the hot evolving universe. *EXPERIMENTAL ASTRONOMY*. 23 - 1, pp. 139 - 168. 01/03/2009. ISSN 0922-6435





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- 69** Del Moro A.; Watson M.G.; SILVIA MATEOS IBAÑEZ; Akiyama M.; Hashimoto Y.; Tamura N.; Otah K.; FRANCISCO JESUS CARRERA TROYANO; Stewart G.C. An extreme EXO: a type 2 QSO at  $z = 1.87$ . ASTRONOMY & ASTROPHYSICS (Edición Impresa). 493, pp. 445 - 451. 01/01/2009. ISSN 00046361

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**Impact source:** ISI  
**Impact index in year of publication:** 4.425

**Format:** Journal

- 70** Watson M.G.; Schröder A.C.; Fyfe D.; Page C. G.; Lamer G; SILVIA MATEOS IBAÑEZ; Pye J.; Sakano M.; Rosen S.; Ballet J.; Barcons X.; Barret D.; Boller T.; Brunner H.; Brusa M.; Caccianiga A.; FRANCISCO JESUS CARRERA TROYANO; Ceballos M.T.; et al. The XMM-Newton serendipitous survey. V. The Second XMM-Newton serendipitous source catalogue. ASTRONOMY & ASTROPHYSICS (Edición Impresa). 493, pp. 339 - 373. 01/01/2009. ISSN 00046361

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**Impact source:** ISI  
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**Format:** Journal

- 71** JACOBO EBRERO CABRERO; FRANCISCO JESUS CARRERA TROYANO; M.J. Page; J.D. Silverman; FRANCESC XAVIER BARCONS JAUREGUI; MARIA TERESA CEBALLOS MERINO; AMALIA CORRAL RAMOS; Roberto Della Ceca; Mike G. Watson. The XMM-Newton serendipitous survey. VI. The X-ray luminosity function. ASTRONOMY & ASTROPHYSICS. 493, pp. 55 - 69. 01/01/2009. ISSN 0004-6361

**Type of production:** Scientific paper  
**Impact source:** ISI  
**Impact index in year of publication:** 4.410

**Format:** Journal

- 72** AMALIA CORRAL RAMOS; Mathew J. Page; FRANCISCO JESUS CARRERA TROYANO; FRANCESC XAVIER BARCONS JAUREGUI; SILVIA MATEOS IBAÑEZ; JACOBO EBRERO CABRERO; Mirko Krumpke; Axel Schwobe; Jonathan Tedds; Mike G. Watson. Average Fe K $\alpha$  emission from distant AGN. ASTRONOMY & ASTROPHYSICS. 492, pp. 71 - 80. 01/12/2008. ISSN 0004-6361

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**Format:** Journal

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

- 74** Yoshihiro Ueda; Mike G. Watson; Ian M. Stewart; Masayuki Akiyama; Axel Schwobe; Georg Lamer; JACOBO EBRERO CABRERO; FRANCISCO JESUS CARRERA TROYANO; Kazuhiro Sekiguchi; Tohru Yamada; Chris Simpson; Günther Hasinger; SILVIA MATEOS IBAÑEZ. The Subaru/XMM-Newton Deep Survey (SXDS). III. X-Ray Data. ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES. 179, pp. 124 - 141. 01/11/2008. ISSN 00670049



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**Format:** Journal

- 75** Della Ceca R.; Caccianiga A.; Severgnini P.; Maccacaro T.; Brunner H.; FRANCISCO JESUS CARRERA TROYANO; Cocchia F.; SILVIA MATEOS IBAÑEZ; Page M.J.; Tedds J.A. The cosmological properties of AGN in the XMM-Newton Hard Bright Survey. *ASTRONOMY & ASTROPHYSICS* (Edición Impresa). 487, pp. 119 - 130. 01/08/2008. ISSN 00046361

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**Format:** Journal

- 76** de Korte P.; Anguita J.; Bakker F.; FRANCESC XAVIER BARCONS JAUREGUI; Bastia P.; Beyer J.; Boersma D.; Briones F.; Bruijn M.; JAVIER BUSSONS GORDO; Camón A.; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; et al. EURECA: European-Japanese Microcalorimeter Array. *JOURNAL OF LOW TEMPERATURE PHYSICS*. 151, pp. 733 - 739. 01/05/2008. ISSN 00222291

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**Impact source:** ISI  
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**Format:** Journal

- 77** Krumpe M.; Lamer G.; AMALIA CORRAL RAMOS; Schwöpe A.; FRANCISCO JESUS CARRERA TROYANO; FRANCESC XAVIER BARCONS JAUREGUI; Page M.J.; SILVIA MATEOS IBAÑEZ; Tedds J. A.; Watson M. G. X-ray absorption in distant type II QSOs. *ASTRONOMY & ASTROPHYSICS*. 483, pp. 415 - 424. 01/05/2008. ISSN 0004-6361

**Type of production:** Scientific paper  
**Impact source:** ISI  
**Impact index in year of publication:** 4.425

**Format:** Journal

- 78** BIANCHI S.; AMALIA CORRAL RAMOS; FRANCESCA PANESSA; FRANCESC XAVIER BARCONS JAUREGUI; G. MATT; L. BASSANI; FRANCISCO JESUS CARRERA TROYANO; E. JIMENEZ-BAILON. NGC 3147: A 'TRUE' TYPE 2 SEYFERT GALAXY WITHOUT THE BROAD-LINE REGION. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*. 385, pp. 195 - 199. 01/03/2008. ISSN 00358711

**Type of production:** Scientific paper  
**Impact source:** ISI  
**Impact index in year of publication:** 4.888

**Format:** Journal

- 79** Caccianiga A.; Severgnini P.; Della Ceca R.; Maccacaro T.; Cocchia F.; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; Matute I.; McMahon R.G.; Page M.J.; Pietsch W.; Sbarufatti B.; Schwöpe A.; Tedds J.A.; Watson M.G. The XMM-Newton bright serendipitous survey. Identification and optical spectral properties. *ASTRONOMY & ASTROPHYSICS*. 477, pp. 735 - 746. 01/01/2008. ISSN 0004-6361

**Type of production:** Scientific paper  
**Impact source:** ISI  
**Impact index in year of publication:** 4.425

**Format:** Journal

- 80** FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; Mathew J. Page; JAVIER BUSSONS GORDO; AMALIA CORRAL RAMOS; JACOBO EBRERO CABRERO; SILVIA MATEOS IBAÑEZ; et al. The XMM-Newton serendipitous survey. IV. Optical



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**Format:** Journal

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**Impact index in year of publication:** 4.425

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**Impact index in year of publication:** 4.425

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**Type of production:** Scientific paper

**Format:** Journal

**Impact source:** ISI

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**Type of production:** Scientific paper

**Format:** Journal

**Impact source:** ISI

**Impact index in year of publication:** 4.425

- 85** FRANCISCO JESUS CARRERA TROYANO; JACOBO EBRERO CABRERO; SILVIA MATEOS IBAÑEZ; MARIA TERESA CEBALLOS MERINO; AMALIA CORRAL RAMOS; FRANCESC XAVIER BARCONS JAUREGUI; Page M.J.; Rosen S.R.; Watson M.G.; Tedds J.A.; Della Ceca R.; Maccacaro T.; Brunner H.; Freyberg M.; Lamer G.; Bauer F.E.; Ueda Y.The XMM-Newton serendipitous survey. III. The AXIS X-ray source counts and angular clustering. *ASTRONOMY & ASTROPHYSICS* (Edición Impresa). 469, pp. 27 - 46. 01/07/2007. ISSN 00046361

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**Impact source:** ISI  
**Impact index in year of publication:** 4.888
- 87** FRANCESC XAVIER BARCONS JAUREGUI; JAVIER BUSSONS GORDO; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; AMALIA CORRAL RAMOS; JACOBO EBRERO CABRERO; SILVIA MATEOS IBAÑEZ; Page M.J.; FRANCESCA PANESSA; Watson M.G. Obscured and unobscured growth of supermassive black holes. REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA. 29, pp. 114 - 116. 01/06/2007. ISSN 01851101  
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**Impact source:** ISI  
**Impact index in year of publication:** 2.500
- 88** FRANCESCA PANESSA; FRANCESC XAVIER BARCONS JAUREGUI; Bassani L.; Cappi M.; FRANCISCO JESUS CARRERA TROYANO; Ho L.C.; Pellegrini S. The X-ray and radio connection in low-luminosity active nuclei. ASTRONOMY & ASTROPHYSICS (Edición Impresa). 467, pp. 519 - 527. 01/05/2007. ISSN 00046361  
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**Impact source:** ISI  
**Impact index in year of publication:** 4.425
- 90** Severgnini P.; Caccianiga A.; Braitto V.; Della Ceca R.; Maccacaro T.; Akiyama M.; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; Page M.J.; Saracco P.; Watson M.G. An X-ray bright ERO hosting a type 2 QSO. ASTRONOMY & ASTROPHYSICS (Edición Impresa). 451, pp. 859 - 864. 01/06/2006. ISSN 00046361  
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**Impact source:** ISI  
**Impact index in year of publication:** 4.425
- 91** SILVIA MATEOS IBAÑEZ; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; Hasinger G.; Lehmann I.; Fabian A.C.; Streblyanska A. XMM-Newton observations of the Lockman Hole IV: spectra of the brightest AGN. ASTRONOMY & ASTROPHYSICS (Edición Impresa). 444, pp. 79 - 99. 01/12/2005. ISSN 00046361  
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**Impact source:** ISI  
**Impact index in year of publication:** 4.425



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- 93** FRANCESC XAVIER BARCONS JAUREGUI; Paerels F.B.S.; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; Sako M. Tentative detection of warm intervening gas towards PKS 0548-322 with XMM-Newton. MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. 359, pp. 1549 - 1556. 01/06/2005. ISSN 00358711  
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- 94** SILVIA MATEOS IBAÑEZ; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; Caccianiga A.; Lamer G.; Maccacaro T.; Page M.J.; Schwope A.; Watson M.G. X-ray spectra of XMM-Newton serendipitous medium flux sources. ASTRONOMY & ASTROPHYSICS (Edición Impresa). 433, pp. 855 - 873. 01/04/2005. ISSN 00046361  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 4.425
- 95** AMALIA CORRAL RAMOS; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; SILVIA MATEOS IBAÑEZ. Simultaneous X-ray and optical spectroscopy of the Seyfert galaxy Mrk 993. ASTRONOMY & ASTROPHYSICS (Edición Impresa). 431, pp. 97 - 102. 01/02/2005. ISSN 00046361  
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**Impact source:** ISI  
**Impact index in year of publication:** 4.425
- 96** Della Ceca R.; Maccacaro T.; Caccianiga A.; Severgnini P.; Braito V.; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; Watson M.G.; Tedds J. A.; Brunner H.; Lehmann I.; Page M.J.; Lamer G.; Schwope A. Exploring the X-ray sky with the XMM-Newton bright serendipitous survey. ASTRONOMY & ASTROPHYSICS (Edición Impresa). 428, pp. 383 - 399. 01/12/2004. ISSN 00046361  
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**Impact source:** ISI  
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**Impact source:** ISI  
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**Impact source:** ISI  
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- 99** Stevens J.A.; Page M.J.; Ivison R.J.; Smail I.; FRANCISCO JESUS CARRERA TROYANO. A Filamentary Structure of Massive Star-forming Galaxies Associated with an X-Ray-absorbed QSO at  $z=1.8$ . *THE ASTROPHYSICAL JOURNAL*. 604, pp. 17 - 20. 01/03/2004. ISSN 0004637X  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 6.063
- 100** Caccianiga A.; Severgnini P.; Braitto V.; Della Ceca R.; Maccacaro T.; Wolter A.; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; Lehmann I.; Page M.J.; Saxton R.; Webb N.A.The XMM-Newton HBS28 sample: Studying the obscuration in hard X-ray selected AGNs. *ASTRONOMY & ASTROPHYSICS* (Edición Impresa). 416, pp. 901 - 915. 01/03/2004. ISSN 00046361  
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- 101** FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO. The warm absorber of the type 1 Seyfert galaxy H1419+480. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*. 346, pp. 897 - 904. 01/12/2003. ISSN 00358711  
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**Impact source:** ISI  
**Impact index in year of publication:** 4.888
- 102** Severgnini P.; Caccianiga A.; Braitto V.; Della Ceca R.; Maccacaro T.; Wolter A.; Sekiguchi K.; Sasaki T.; Sasaki T.; Akiyama M.; Watson M.G.; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; Pietsch W.; Webb N.A.XMM-Newton observations reveal AGN in apparently normal galaxies. *ASTRONOMY & ASTROPHYSICS* (Edición Impresa). 406, pp. 483 - 492. 01/08/2003. ISSN 00046361  
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**Impact source:** ISI  
**Impact index in year of publication:** 4.425
- 103** FRANCESC XAVIER BARCONS JAUREGUI; RUTH CARBALLO FIDALGO; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; JOSE IGNACIO GONZALEZ SERRANO; Paredes J.M.; Ribó M.; Warwick R.S.On the origin of the X-ray emission from a narrow-line radio quasar at  $z > 1$ . *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*. 343, pp. 137 - 142. 01/07/2003. ISSN 00358711  
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**Impact source:** ISI  
**Impact index in year of publication:** 4.888
- 104** FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO. H1320+551: a type 1.8/1.9 Seyfert galaxy with an unabsorbed X-ray spectrum. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*. 339, pp. 757 - 764. 01/03/2003. ISSN 00358711  
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**Impact source:** ISI

**Impact index in year of publication:** 4.888

- 105** FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; SILVIA MATEOS IBAÑEZ; Page M.J.; Pérez-Fournon I.; Watson M.G. The XMM-Newton Survey Science Centre Medium Sensitivity Survey. ASTRONOMISCHE NACHRICHTEN. 324, pp. 44 - 47. 01/01/2003. ISSN 00046337

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**Format:** Journal

**Impact source:** ISI

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**Format:** Journal

**Impact source:** ISI

**Impact index in year of publication:** 0.842

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**Type of production:** Scientific paper

**Format:** Journal

**Impact source:** ISI

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- 108** FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; Watson M.G.; McMahon R. G.; Aschenbach B.; Freyberg M.J.; Page K.; Page M.J.; Roberts T.P.; Turner M.J.L.; Barret D.; Brunner H.; MARIA TERESA CEBALLOS MERINO; Della Ceca; Guillout P.; Hasinger G.; Maccacaro T.; SILVIA MATEOS IBAÑEZ; C. Motch; I. Negueruela; J.P. Osborne; Ismael Pérez Fournon; A. Schwoppe; Paola Severgnini; G.P. Szokoly; Natalie A. Webb; P.J. Wheatley; Diana M. Worrall. The XMM-Newton serendipitous survey . II. First results from the AXIS high galactic latitude medium sensitivity survey. ASTRONOMY & ASTROPHYSICS (Edición Impresa). 382, pp. 522 - 536. 01/02/2002. ISSN 00046361

**Type of production:** Scientific paper

**Format:** Journal

**Impact source:** ISI

**Impact index in year of publication:** 4.425

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**Format:** Journal

**Impact source:** ISI

**Impact index in year of publication:** 31.377

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**Format:** Journal

**Impact source:** ISI

**Impact index in year of publication:** 4.888

- 111** Watson M.G.; Auguères J.-L.; Ballet J.; FRANCESC XAVIER BARCONS JAUREGUI; Barret D.; Boer M.; Boller T.; Bromage G. E.; Brunner H.; FRANCISCO JESUS CARRERA TROYANO; Mark S. Cropper; M. Denby; M. Ehle; Martin Elvis; Andrew C. Fabian; M.J. Freyberg; P. Guillout; J.-M. Hameury; Günther Hasinger; D.A. Hinshaw; T. Maccacaro; Keith O. Mason; McMahon Richard G.; Laurent Michel; L. Mirioni; Jonathan P. Mittaz; Christian Motch; J.-F. Olive; Julian P. Osborne; Clive G. Page; Manfred Pakull; Brendan H. Perry; Marguerite Pierre; Wolfgang Pietsch; John P. Pye; Andrew M. Read; T.M. Roberts; Simon R. Rosen; J.-L. Sauvageot; Axel Schwope; K. Sekiguchi; Gordon C. Stewart; Ian Stewart; I. Valtchanov; Martin J. Ward; Robert S. Warwick; Richard G. West; Nicholas E. White; Diana M. Worrall. The XMM-Newton Serendipitous Survey. I. The role of XMM-Newton Survey Science Centre. *ASTRONOMY & ASTROPHYSICS* (Edición Impresa). 365, pp. 51 - 59. 01/01/2001. ISSN 00046361  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 4.425
- 112** 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  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 4.425
- 113** 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  
**Type of production:** Scientific paper **Format:** Journal  
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- 114** 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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**Impact source:** ISI  
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- 115** Page M.J.; FRANCISCO JESUS CARRERA TROYANO. An improved method of constructing binned luminosity functions. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*. 311, pp. 433 - 440. 01/01/2000. ISSN 00358711  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 4.888
- 116** 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 FÍSICA*. 14, pp. 6 - 8. 01/01/2000. ISSN 0213862X  
**Type of production:** Scientific paper **Format:** Journal





- 117** 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 Schwobe; 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
- 118** Mittaz J.P.D.; FRANCISCO JESUS CARRERA TROYANO; Romero-Colmenero E.; Mason K.O.; Hasinger G.; McMahon R.; Andernach H.; Bower R.; Burgos-Martín 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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**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 4.888
- 120** FRANCISCO JESUS CARRERA TROYANO; FRANCESC 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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**Impact index in year of publication:** 4.888
- 121** FRANCESC 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 **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 1.437
- 122** 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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**Impact source:** ISI  
**Impact index in year of publication:** 4.888
- 124** 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 **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 0.842
- 125** Butcher J.A.; Stewart G.C.; Warwick R.S.; Fabian A.C.; FRANCISCO JESUS CARRERA TROYANO; Barcons X.; Hayashida K.; Inoue H.; Kii T. Fluctuations in the diffuse X-ray background observed with Ginga. MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. 291, pp. 437 - 445. 01/11/1997. ISSN 00358711  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 4.888
- 126** 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. Schwobe. 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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- 127** Page M.J.; Mason K.O.; McHardy I.M.; Jones L.R.; FRANCISCO JESUS CARRERA TROYANO. The evolution of QSOs derived from soft X-ray surveys. MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. 291, pp. 324 - 336. 01/10/1997. ISSN 00358711  
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**Impact index in year of publication:** 4.888
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**Type of production:** Scientific paper **Format:** Journal  
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- 130** MARIA TERESA CEBALLOS MERINO; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO. The colour of the deep ROSAT X-ray sky fluctuations. MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. 286, pp. 158 - 162. 01/03/1997. ISSN 00358711  
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- 131** 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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- 132** Romero-Colmenero E.; Branduardi-Raymont G.; FRANCISCO JESUS CARRERA TROYANO; Jones L.R.; Mason K.O.; McHardy I.M.; Mittaz J.P.D. ROSAT PSPC spectra of X-ray-selected narrow-emission-line galaxies. MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. 282, pp. 94 - 98. 01/09/1996. ISSN 00358711  
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- 133** 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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- 134** Mathew J. Page; FRANCISCO JESUS CARRERA TROYANO; G. Hasinger; Keith O. Mason; Richard G. McMahon; J.P.D. Mittaz; FRANCESC 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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**Impact source:** ISI  
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- 135** 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  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 36.104
- 136** FRANCISCO JESUS CARRERA TROYANO; FRANCESC 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  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 4.888
- 137** FRANCISCO JESUS CARRERA TROYANO; FRANCESC 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  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 1.076
- 138** 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  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
**Impact index in year of publication:** 4.888
- 139** Lahav O.; Fabian A.C.; FRANCESC 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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**Impact source:** ISI  
**Impact index in year of publication:** 36.104
- 140** FRANCISCO JESUS CARRERA TROYANO; FRANCESC 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:** 4.888
- 142** FRANCISCO JESUS CARRERA TROYANO; FRANCESC XAVIER BARCONS JAUREGUI; Butcher J.A.; Stewart G.C.; Fabian A.C. The correlation function of the 4-12 keV X-ray background intensity measured with the GINGA LAC. MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. 249, pp. 698 - 703. 01/04/1991. ISSN 00358711  
**Type of production:** Scientific paper **Format:** Journal  
**Impact source:** ISI  
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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 Proc - 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

FRANCESC 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+: 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.
- 14 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.
- 15 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.
- 16 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 Schwobe; Mirko Krumpke. 01/07/2008.
- 17 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 Krumpke; Axel Schwobe; Jonathan Tedds; Michael G. Watson. ISBN 978-3-642-11249, pp. 273. 01/01/2010.
- 18 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 Braitto; Paola Severgnini; J. L. Donley; D. Stern. 17/09/2012.

- 19 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.
- 20 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.
- 21 Title of the work:** Broad-band spectral properties of absorbed BLGN 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.
- 22 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.
- 23 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  
FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; SILVIA MATEOS IBAÑEZ. 1, pp. 205 - 212. 01/03/2000.
- 24 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; FRANCESC XAVIER BARCONS JAUREGUI. pp. 45. 01/07/2014.
- 25 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.



- 26** **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; FRANCESC XAVIER BARCONS JAUREGUI. "The X-ray Background". pp. 97. 01/01/1992. ISBN 0-521-41651-5
- 27** **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.
- 28** **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.; Ugrumov A.; Valls-Gabaud D.; Voges W. ASP Conf. Proc., 215, pp. 217. 01/01/2000.
- 29** **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
- 30** **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; FRANCESC XAVIER BARCONS JAUREGUI; G. Miniutti; A. Corral. pp. 71. 01/07/2014.
- 31** **Title of the work:** EURECA Software  
**Name of the conference:** ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS XVII  
**Type of participation:** Participatory - poster  
Rohlf's 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.
- 32** **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; FRANCESC XAVIER BARCONS JAUREGUI. ISBN 978-3-642-11249, pp. 475. 01/01/2010.



- 33** **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.; 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.SPIE 7011, pp. 701122. 01/08/2008.
- 34** **Title of the work:** Eureka - 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.
- 35** **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.
- 36** **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.
- 37** **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.
- 38** **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.
- 39** **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.



- 40** **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.
- 41** **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:** Bologna, Italy  
FRANCISCO JESUS CARRERA TROYANO; PAGE M.J.; MITTAZ J.P.D.AIP Conf. Proc. 599, pp. 554 - 557.  
01/01/2001.
- 42** **Title of the work:** Local Organizing Committee  
**Name of the conference:** X-ray surveys in the light of the new observatories  
**Type of participation:** Participatory - others  
**City of event:** Santander, Spain
- 43** **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.
- 44** **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, Crete, Grecia, Greece
- 45** **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
- 46** **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
- 47** **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
- 48** **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





- 49** **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:** Participatory - others  
**City of event:** Santander, Spain
- 50** **Title of the work:** Multi-wavelength 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 JESUS 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
- 51** **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 PANESSA; FRANCESC XAVIER BARCONS JAUREGUI; Bassani L.; Cappi M.; FRANCISCO JESUS CARRERA TROYANO; Dadina M.; Ho L.C.; Iwasawa K.; Pellegrini S. AIP Conf. Proc., 924, pp. 830 - 835. 01/08/2007.
- 52** **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 PANESSA; FRANCESC XAVIER BARCONS JAUREGUI; Giorgio Matt; Loredana Bassani; FRANCISCO JESUS CARRERA TROYANO; Elena Jiménez-Bailón; Fabio La Franca; N. Sacchi. 01/07/2008.
- 53** **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.
- 54** **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.
- 55** **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.





- 56** **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 MARIA DOMINGUEZ QUINTERO; FRANCISCO JESUS CARRERA TROYANO. ISBN 978-3-642-11249, 01/01/2010.
- 57** **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 DOMINGUEZ QUINTERO; FRANCISCO JESUS CARRERA TROYANO. ISBN 978-3-642-11249, 01/01/2010.
- 58** **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.
- 59** **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.
- 60** **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. Servergnini; 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
- 61** **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.
- 62** **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



- 63** **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  
Mathew J. Page; FRANCISCO JESUS CARRERA TROYANO; Jason A. Stevens. AIP Conference Proceedings 1248, pp. 391 - 394. 01/07/2010.
- 64** **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.
- 65** **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.
- 66** **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.
- 67** **Title of the work:** Red Quasars in the 2XMMi/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.
- 68** **Title of the work:** Scientific Organizing Committee  
**Name of the conference:** The X-ray Universe 2011  
**Type of participation:** Participatory - others  
**City of event:** Berlin, Germany
- 69** **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:** Participatory - others  
**City of event:** Spain
- 70** **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.

- 71** **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; FRANCESC XAVIER BARCONS JAUREGUI. Kluwer Academic Publ - Astrophysics and spa, pp. 369. 01/01/1990.
- 72** **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.
- 73** **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.
- 74** **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.
- 75** **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; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO. ESA SP-604, pp. 607 - 608. 01/01/2006.
- 76** **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 FALOCCO; FRANCISCO JESUS CARRERA TROYANO; Elise Laird; Kirpal Nandra; AMALIA CORRAL RAMOS; FRANCESC XAVIER BARCONS JAUREGUI; Jonathan Dibgy-North; Mathew Page. 01/08/2011.
- 77** **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.



- 78** **Title of the work:** Star-forming outflowing QSOs at  $z \sim 2$ : 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.
- 79** **Title of the work:** Submillimeter-bright QSOs at  $z \sim 2$ : 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.
- 80** **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-STUDYNG 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.
- 81** **Title of the work:** Sumillimetre-bright QSOs at  $z \sim 2$ : 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
- 82** **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 Kuur; FRANCISCO JESUS CARRERA TROYANO; FRANCESC 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
- 83** **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.
- 84** **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.

- 85 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 Schwobe; 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
- 86 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-Esteban; M. Lopez; L. Michel; B. Mingo; A. Mints; A. Nebot Gomez-Moran; F.-X. Pineau; S.R. Rosen; E. Sanchez; A. Schwobe; E. Solano; M.G. Watson. 01/12/2016.
- 87 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; FRANCESC XAVIER BARCONS JAUREGUI; Javier Bussons Gordo. pp. 141. 01/07/2009.
- 88 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 IBAÑEZ; ALMUDENA ALONSO HERRERO; FRANCISCO JESUS CARRERA TROYANO; A. Blain; M.G. Watson; FRANCESC XAVIER BARCONS JAUREGUI; V. Braitto; 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
- 89 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; FRANCESC 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
- 90 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.





- 91** **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; FRANCESC XAVIER BARCONS JAUREGUI. MPE report, 235, pp. 362 - 367. 01/03/1992.
- 92** **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 IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO; ANGEL RUIZ CAMUÑAS; F.-X. Pineau. 01/08/2016.
- 93** **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.
- 94** **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.
- 95** **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  
FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO. IAU 201, ASP,, pp. 400. 01/01/2005.
- 96** **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; FRANCESC XAVIER BARCONS JAUREGUI; Loredana Bassani; FRANCISCO JESUS CARRERA TROYANO; Luis Ho; Marcello Giroletti. 01/08/2008.
- 97** **Title of the work:** The XMM-Newton Bright Serpentine 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.; FRANCESC 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. Ziaee pour. ESA SP-488, 29/11/2001.





- 98** **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.; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; P. Guillout; A. Hands; B.J.M. Hassal; O. Herent; Georg Lamer; Axel Schwope; G. Szokoly; Robert S. Warwick; M.G. Watson; N. Webb; P. Wheatley. ESA SP-488, 29/11/2001.
- 99** **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.
- 100** **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.
- 101** **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.
- 102** **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.
- 103** **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
- 104** **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  
FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO. ESA SP-604, pp. 789 - 794. 01/01/2006.



- 105** **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; FRANCESC XAVIER BARCONS JAUREGUI; Loredana Bassani; Giorgio Matt; Luigi Monaco. AIP Conference Proce - 11248, pp. 489 - 490. 01/07/2010.
- 106** **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 Georgakakis; Yoshihiro Ueda; Athanassis Akylas; Giorgio Lanzuisi; Nuria Castello Mor. 09/09/2015.
- 107** **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.
- 108** **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:** Bologna, Italy  
MITTAZ J.P.D.; FRANCISCO JESUS CARRERA TROYANO; PAGE M.J.AIP Conf. Proc. 599, pp. 782 - 785. 01/01/2001.
- 109** **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.
- 110** **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 IBAÑEZ; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO. 1, pp. 119 - 122. 01/01/2003.
- 111** **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.



- 112** **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 IBAÑEZ; FRANCESC XAVIER BARCONS JAUREGUI; Tomo Goto.
- 113** **Title of the work:** X-ray emission properties of BLGN 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 IBAÑEZ; Watson M.G.; Tedds J.; FRANCISCO JESUS CARRERA TROYANO; Page M.J.; AMALIA CORRAL RAMOS. Proc. IAU 238, pp. 59 - 64. 01/04/2007.
- 114** **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
- 115** **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.
- 116** **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 IBAÑEZ; Robert S. Warwick; M.G. Watson; Gordon Stewart; Jonathan Tedds; FRANCISCO JESUS CARRERA TROYANO; JACOBO EBRERO CABRERO; Georg Lamer. 02/07/2007.
- 117** **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.
- 118** **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.



- 119** **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:** Bologna, 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.
- 120** **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.
- 121** **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.
- 122** **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
- 123** **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.
- 124** **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:** 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
- 2** **Committee title:** Steering Group del XMM-Newton Survey Science Centre  
**Start-End date:** 01/10/2004 - 31/12/2017
- 3** **Committee title:** Co-Investigador del XMM-Newton Survey Science Centre  
**Start-End date:** 01/01/2004 - 31/12/2017
- 4** **Committee title:** Fellow de la Royal Astronomical Society  
**Start-End date:** 01/07/1998 - 31/12/2017
- 5** **Committee title:** Miembro Numerario de la Sociedad Española de Astronomía  
**Start-End date:** 01/09/1993 - 31/12/2017
- 6** **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
- 7** **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
- 8** **Committee title:** Steering Group del XMM-Newton Survey Science Centre  
**Start-End date:** 01/10/2004 - 23/12/2012
- 9** **Committee title:** Steering Group del XMM-Newton Survey Science Centre  
**Start-End date:** 01/10/2004 - 21/12/2012
- 10** **Committee title:** Co-Investigador del XMM-Newton Survey Science Centre  
**Start-End date:** 01/01/2004 - 21/12/2012
- 11** **Committee title:** Presidencia del Euro Virtual Observatory Science Advisory Committee  
**Start-End date:** 01/07/2009 - 23/11/2012
- 12** **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

- 13** **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
- 14** **Committee title:** Science Associate del proyecto IXO  
**Affiliation entity:** EUROPEAN SPACE AGENCY  
**Start-End date:** 01/01/2009 - 31/12/2010
- 15** **Committee title:** Fellow de la Royal Astronomical Society  
**Start-End date:** 01/07/1998 - 31/12/2010
- 16** **Committee title:** Miembro Numerario de la Sociedad Española de Astronomía  
**Start-End date:** 01/09/1993 - 31/12/2010
- 17** **Committee title:** Euro Virtual Observatory Science Advisory Committee  
**Start-End date:** 01/02/2006 - 30/06/2009
- 18** **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
- 19** **Committee title:** XEUS Astrophysics Working Group  
**Affiliation entity:** EUROPEAN SPACE AGENCY  
**Start-End date:** 01/02/2005 - 01/09/2008
- 20** **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 Organizing Committee "The X-ray Universe 2011"  
**Type of activity:** International Symposium  
**Convening entity:** European Space Agency  
**City convening entity:** Berlin, Germany  
**Start-End date:** 27/06/2011 - 30/06/2011  
**Geographical area:** Non EU International  
**Type of entity:** State agency  
**Duration:** 5 days
- 2** **Title of the activity:** Scientific and Technical Organizing Committee "Multi-wavelength Astronomy and Virtual Observatory"  
**Type of activity:** International Workshop  
**Convening entity:** Euro VO  
**City convening entity:** Villafranca del Castillo, Community of Madrid, Spain  
**Start-End date:** 01/12/2008 - 03/12/2008  
**Geographical area:** Non EU International  
**Type of entity:** International Consortium  
**Duration:** 3 days





- 3** **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
- 4** **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

- 1** **Name of the activity:** Director de la "Athena Community Office" dependiente del "Athena Science Study Team" de la Agencia Europea del Espacio  
**Type of management:** Management of R&D&I actions and projects  
**Start date:** 01/03/2017 **Duration:** 9 months - 26 days
- 2** **Name of the activity:** Director del Observatorio Astronómico de Cantabria  
**Type of management:** Management of body  
**Start date:** 01/07/2007 **Duration:** 2 years - 1 month - 20 days
- 3** **Name of the activity:** Coordinador de un equipo internacional a cargo de la escritura e implementación del "Software" de procesamiento de datos del proyecto EURECA  
**Type of management:** Programme management  
**Start date:** 01/06/2007 **Duration:** 2 years - 2 months - 20 days
- 4** **Name of the activity:** Vicedirector del Instituto de Física de Cantabria  
**Type of management:** Management of body  
**Start date:** 07/01/2004 **Duration:** 3 years - 11 months - 15 days
- 5** **Name of the activity:** Coordinador del proyecto internacional "The ROSAT Internacional X-ray Optical Survey" (RIXOS)  
**Type of management:** Management of R&D&I actions and projects  
**Start date:** 01/01/1993 **Duration:** 3 years - 1 month - 15 days



## Other achievements

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

- 1** **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)
- 2** **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
- 3** **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
- 4** **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
- 5** **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
- 6** **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
- 7** **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:** Cinco módulos de méritos docentes (1989-2013) valorados positivamente por la Comisión de Evaluación de la Universidad de Cantabria a 24 de Febrero de 2014  
**Conferral date:** 31/12/2017
- 2** **Description of the achievement:** Cuatro tramos de actividad investigadora (sexenios, 1989-2012) valorados positivamente por la CNEAI a 12 de Junio de 2013  
**Conferral date:** 31/12/2017
- 3** **Description of the achievement:** Evaluación de planes de estudio para la Agencia Andaluza del Conocimiento (2015-18)  
**Conferral date:** 31/12/2017
- 4** **Description of the achievement:** Evaluación de proyectos para el Instituto Nacional Italiano para la Astrofísica (INAF, 2009)  
**Conferral date:** 31/12/2017
- 5** **Description of the achievement:** Evaluación de proyectos para el Ministerio de Economía y Competitividad (2016)  
**Conferral date:** 31/12/2017
- 6** **Description of the achievement:** Evaluación de proyectos para la ANEP (2007-2010, 2014-2018)  
**Conferral date:** 31/12/2017
- 7** **Description of the achievement:** Evaluación de proyectos para la Agencia Espacial Italiana (ASI, 2008-2009)  
**Conferral date:** 31/12/2017
- 8** **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:** 30/12/2017
- 9** **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:** 30/12/2017
- 10** **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
- 11** **Description of the achievement:** Dos charlas sobre "Vida en el Universo" para los alumnos de 2º de ESO del IES Muriedas de Camargo el día 20 de diciembre de 2017  
**Conferral date:** 20/12/2017
- 12** **Description of the achievement:** Charla sobre "Vida en el Universo" para los alumnos de 5º de Primaria del CEIP Jesús del Monte de Hazas de Cesto el día 1 de diciembre de 2017  
**Conferral date:** 01/12/2017



- 13** **Description of the achievement:** Charla sobre "Vida en el Universo" para los alumnos de 5º de Primaria del CEIP Pepe Alba de Laredo el día 28 de noviembre de 2017  
**Conferral date:** 28/11/2017
- 14** **Description of the achievement:** Charla sobre "El Sistema Solar" para los alumnos de 5º de Primaria del CC Sagrada Familia de Herrera de Camargo el día 27 de noviembre de 2017  
**Conferral date:** 27/11/2017
- 15** **Description of the achievement:** Charla sobre "Explorando el Sistema Solar" para los alumnos de 6º de Primaria del CEIP Pérez Galdós de Requejada (Polanco) el día 23 de noviembre de 2017  
**Conferral date:** 23/11/2017
- 16** **Description of the achievement:** Participación en la Semana de la Ciencia 2017 de la Universidad de Cantabria en el Instituto de Física de Cantabria (CSIC-UC), Santander  
**Conferral date:** 17/11/2017
- 17** **Description of the achievement:** Charla sobre "Vida en el Universo" para los alumnos de 3º de ESO del IES Torres Quevedo de Santander el día 13 de noviembre de 2017  
**Conferral date:** 13/11/2017
- 18** **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
- 19** **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
- 20** **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
- 21** **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
- 22** **Description of the achievement:** Charla sobre "Agujeros negros" para los alumnos de 4º de ESO del IES Las Llamas de Santander el día 11 de abril de 2017  
**Conferral date:** 11/04/2017
- 23** **Description of the achievement:** Charla sobre "El Sistema Solar: estrellas y galaxias" para los alumnos de 1ºESO del Colegio San José Niño Jesús de Reinosa el 28 de Marzo de 2017  
**Conferral date:** 28/03/2017
- 24** **Description of the achievement:** Tres actividad 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 y 18 de Marzo de 2017  
**Conferral date:** 18/03/2017



- 25** **Description of the achievement:** Charla sobre "Impresionantes agujeros negros" para los alumnos de 5º y 6º de Primaria del CEIP nº6 de Castro Urdiales el día 15 de Febrero de 2017  
**Conferral date:** 15/02/2017
- 26** **Description of the achievement:** Charla sobre "El Universo oscuro y violento" para los alumnos de 4ºESO del IES Zapatón de Torrelavega el 1 de Febrero de 2017  
**Conferral date:** 01/02/2017
- 27** **Description of the achievement:** Charla sobre "Agujeros negros" para los alumnos de 1º y 2º de Bachillerato del IES Marqués de Manzanedo de Santoña el día 22 de Diciembre de 2016  
**Conferral date:** 22/12/2016
- 28** **Description of the achievement:** Charla sobre "El Sistema Solar" para los alumnos de 2º de ESO del IES Villajunco de Santander, el 20 de Diciembre de 2016  
**Conferral date:** 20/12/2016
- 29** **Description of the achievement:** Una charla sobre "El Sistema Solar" para los alumnos de 4º de ESO del Colegio Calasanz de Santander, el 28 de Noviembre de 2016  
**Conferral date:** 28/11/2016
- 30** **Description of the achievement:** Participación en la Semana de la Ciencia 2016 en el Instituto de Física de Cantabria (CSIC-UC), Santander  
**Conferral date:** 21/11/2016
- 31** **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
- 32** **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
- 33** **Description of the achievement:** Una charla sobre "El Sistema Solar" para los alumnos de 5º de Primaria del CEIP Menéndez Pelayo de Santander, el 9 de Diciembre de 2015  
**Conferral date:** 09/12/2015
- 34** **Description of the achievement:** Una charla sobre "Galaxias, el lugar donde habitan las estrellas" para los alumnos de 3º de Primaria del CEIP Menéndez Pelayo de Santander, el 25 de Noviembre de 2015  
**Conferral date:** 25/11/2015
- 35** **Description of the achievement:** Participación en la Semana de la Ciencia 2015 de la Universidad de Cantabria impartiendo la conferencia "Un paseo cósmico: de la Tierra a las galaxias" el 10 de Noviembre de 2015 en el Instituto de Física de Cantabria (CSIC-UC), Santander  
**Conferral date:** 10/11/2015
- 36** **Description of the achievement:** Participación en la Semana de la Ciencia 2015 de la Universidad de Cantabria impartiendo la conferencia "Sistema Solar" el 6 de Noviembre de 2015 en el Instituto de Física de Cantabria (CSIC-UC), Santander  
**Conferral date:** 06/11/2015





- 37** **Description of the achievement:** Una charla sobre "Agujeros negros" para los alumnos de 2º de ESO de la Fundación Educativa ACI Colegio "Sagrado Corazón" (Esclavas) de Santander el 16 de Junio de 2015  
**Conferral date:** 16/06/2015
- 38** **Description of the achievement:** Una charla sobre "Cosmología" para los alumnos de 3º y 4º de ESO y 1º de Bachillerato del Colegio Kostka-Jesuitas de Santander, el 16 de Abril de 2015  
**Conferral date:** 16/04/2015
- 39** **Description of the achievement:** Dos actividades sobre "Eclipses" para alumnos de 5º y 6º de Primaria de la Fundación Educativa ACI Colegio "Sagrado Corazón" (Esclavas) de Santander el 18 de Marzo de 2015  
**Conferral date:** 18/03/2015
- 40** **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
- 41** **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
- 42** **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
- 43** **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
- 44** **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
- 45** **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
- 46** **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
- 47** **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
- 48** **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



- 49** **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
- 50** **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
- 51** **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
- 52** **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
- 53** **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
- 54** **Description of the achievement:** Diversas charlas de divulgación sobre Astronomía desde el año 2000  
**Conferral date:** 01/01/2000