



**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 courses.

Supervision of PhD and Bsc Theses

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

Academic management

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

Outreach

I have combined all the previous aspects with an intensive outreach activity: I have given many talks about Astronomy in High Schools and amateur astronomer societies, and organised and taught University Summer Courses. Additionally, I was the point of contact in the UC for the International Year of Astronomy 2009. I also collaborate regularly in the dissemination activities organised by IFCA and UC (Weeks of Science, European Researchers' Night, 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 132 research articles in Astronomy journals virtually all of the first quartile, with more than 4700 citations (Hirsh index $h=39$), 68 further publications in conference proceedings and 43 more contributions to conferences (most of them international). All this activity has evaluated objectively with the five "tramos de investigación" (six year periods) that are possible for me at the moment (1989-2018). I have supervised one Ph. D. Thesis alone and six more in collaboration, all of whom are still currently active in Astronomy or Physics.

**FRANCISCO JESUS CARRERA TROYANO**

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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

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



	Employing entity	Professional category	Start date
9	Consejo Superior de Investigaciones Científicas	Investigador contratado	19/03/1996
10	University College London	Research Fellow	01/01/1993
11	Universidad de Cantabria	Becario de Formación de Personal Investigador	01/01/1989

- 1** **Employing entity:** UNIVERSIDAD DE CANTABRIA
Professional category: VICEDIRECTOR DEL INSTITUTO DE FISICA DE CANTABRIA
Start date: 10/01/2004 **Duration:** 4 years - 1 month - 12 days
- 2** **Employing entity:** UNIVERSIDAD DE CANTABRIA
Professional category: TU ASTRONOMÍA Y ASTROFÍSICA /
Start date: 23/07/2001 **Duration:** 16 years - 5 months - 17 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 ASTRONOMÍA Y ASTROFÍSICA /
Start date: 23/07/2001 **Duration:** 5 years - 9 months - 24 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:** 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
- 7** **Employing entity:** University College London
Professional category: Senior Research Fellow
Start date: 01/04/1999 **Duration:** 10 months - 10 days
- 8** **Employing entity:** UNIVERSIDAD DE CANTABRIA
Professional category: Proyectos Investigación
Start date: 17/03/1999 **Duration:** 21 days
- 9** **Employing entity:** Consejo Superior de Investigaciones Científicas
Professional category: Investigador contratado
Start date: 19/03/1996 **Duration:** 2 years - 11 months - 16 days



- 10** **Employing entity:** University College London
Professional category: Research Fellow
Start date: 01/01/1993 **Duration:** 3 years - 2 months - 1 day

- 11** **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: Astrofísica Extragaláctica
University degree: Máster Universitario en Física de Partículas y del Cosmos
Frequency of the activity: 2
End date: 01/10/2019 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 1,4
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: 10
End date: 01/10/2019 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 0,2



Entity: UNIVERSIDAD DE CANTABRIA

3 **Type of teaching:** Official teaching
Name of the course: Astronomy
University degree: Grado en Física
Frequency of the activity: 10
End date: 01/10/2019 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 1,8
Entity: UNIVERSIDAD DE CANTABRIA

4 **Type of teaching:** Official teaching
Name of the course: Estadística y Análisis de Datos
University degree: Máster Universitario en Física de Partículas y del Cosmos
Frequency of the activity: 2
End date: 01/10/2019 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 1,62
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: 4
End date: 01/10/2019 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 3,55
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: 13
End date: 01/10/2019 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 0,18
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: 13
End date: 01/10/2019 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 0,63
Entity: UNIVERSIDAD DE CANTABRIA

8 **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



- 9** **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
- 10** **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
- 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: 5
End date: 01/10/2017 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 2,44
Entity: UNIVERSIDAD DE CANTABRIA
- 12** **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
- 13** **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
- 14** **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
- 15** **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

Hours/ECTS credits: 1,25

Entity: UNIVERSIDAD DE CANTABRIA

Type of hours/ ECTS credits: Credits

16 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

17 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

18 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

19 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

20 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

21 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

Type of hours/ ECTS credits: Credits



Entity: UNIVERSIDAD DE CANTABRIA

- 22** **Type of teaching:** Official teaching
Name of the course: Astronomía
University degree: Grado en Física
Frequency of the activity: 3
End date: 01/10/2012 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 6,05
Entity: UNIVERSIDAD DE CANTABRIA
- 23** **Type of teaching:** Official teaching
Name of the course: 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 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 0,64
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 Tecnologías Físicas
Frequency of the activity: 4
End date: 01/10/2012 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 2
Entity: UNIVERSIDAD DE CANTABRIA
- 25** **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 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 2
Entity: UNIVERSIDAD DE CANTABRIA
- 26** **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 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 0,58
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 Tecnologías Físicas
Frequency of the activity: 2
End date: 01/10/2012 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 1,63
Entity: UNIVERSIDAD DE CANTABRIA



- 28** **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
Entity: UNIVERSIDAD DE CANTABRIA
Type of hours/ ECTS credits: Credits
- 29** **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
Hours/ECTS credits: 3,53
Entity: UNIVERSIDAD DE CANTABRIA
Type of hours/ ECTS credits: Credits
- 30** **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
Hours/ECTS credits: 3
Entity: UNIVERSIDAD DE CANTABRIA
Type of hours/ ECTS credits: Credits
- 31** **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
Hours/ECTS credits: 1,7
Entity: UNIVERSIDAD DE CANTABRIA
Type of hours/ ECTS credits: Credits
- 32** **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
Hours/ECTS credits: 0,65
Entity: UNIVERSIDAD DE CANTABRIA
Type of hours/ ECTS credits: Credits
- 33** **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
Hours/ECTS credits: 1,1
Entity: UNIVERSIDAD DE CANTABRIA
Type of hours/ ECTS credits: Credits
- 34** **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

Hours/ECTS credits: 1,19

Entity: UNIVERSIDAD DE CANTABRIA

Type of hours/ ECTS credits: Credits

35 Type of teaching: Official teaching

Name of the course: Análisis Estadístico en Física Experimental

Frequency of the activity: 5

End date: 01/10/2006

Hours/ECTS credits: 1

Entity: UNIVERSIDAD DE CANTABRIA

Type of hours/ ECTS credits: Credits

36 Type of teaching: Official teaching

Name of the course: Astronomía Espacial

Frequency of the activity: 2

End date: 01/10/2006

Hours/ECTS credits: 1

Entity: UNIVERSIDAD DE CANTABRIA

Type of hours/ ECTS credits: Credits

37 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

Hours/ECTS credits: 3

Entity: UNIVERSIDAD DE CANTABRIA

Type of hours/ ECTS credits: Credits

38 Type of teaching: Official teaching

Name of the course: Astrofísica de Altas Energías

Frequency of the activity: 1

End date: 01/10/2003

Hours/ECTS credits: 1

Entity: UNIVERSIDAD DE CANTABRIA

Type of hours/ ECTS credits: Credits

39 Type of teaching: Official teaching

Name of the course: Análisis Estadístico en Física Experimental

Frequency of the activity: 2

End date: 01/10/2002

Hours/ECTS credits: 1

Entity: UNIVERSIDAD DE CANTABRIA

Type of hours/ ECTS credits: Credits

40 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

Hours/ECTS credits: 6

Entity: UNIVERSIDAD DE CANTABRIA

Type of hours/ ECTS credits: Credits



- 41** **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
- 42** **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
- 43** **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:** Una visión multifrecuencia de núcleos de galaxias activas
Type of project: Doctoral thesis
Entity: UNIVERSIDAD DE CANTABRIA
Obtained qualification: SOBC
Date of reading: 17/12/2019
- 2** **Project title:** Trabajo Fin de Grado. CLASIFICACION DE FUENTES ASTRONOMICAS MEDIANTE TECNICAS DE MACHINE LEARNING
Type of project: End of course project
Entity: UNIVERSIDAD DE CANTABRIA
City of entity: Santander, Spain
Obtained qualification: M.H.
Date of reading: 25/10/2019
- 3** **Project title:** Trabajo Fin de Máster. BUSQUEDA DE LOS NUCLEOS GALACTICOS ACTIVOS MAS OSCURECIDOS CON XMM-NEWTON Y ATHENA
Type of project: End of course project
Entity: UNIVERSIDAD DE CANTABRIA
City of entity: Santander, Spain
Obtained qualification: SOB.
Date of reading: 18/10/2019
- 4** **Project title:** Trabajo Fin de Máster. CARACTERIZACION ESPECTRAL AUTOMATIZADA DE GALAXIAS ACTIVAS ALTAMENTE OSCURECIDAS
Type of project: End of course project



Entity: UNIVERSIDAD DE CANTABRIA
City of entity: Santander, Spain
Obtained qualification: APR.
Date of reading: 25/09/2019

5 **Project title:** Trabajo Fin de Grado. BUSQUEDA DE UNA SOBREDENSIDAD DE GALAXIAS A ALTO CORRIMIENTO HACIA EL ROJO, USANDO IMAGENES TOMADAS CON FILTROS SINTONIZABLES
Type of project: End of course project
Entity: UNIVERSIDAD DE CANTABRIA
City of entity: Santander, Spain
Obtained qualification: SOB.
Date of reading: 24/09/2019

6 **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

7 **Project title:** Trabajo Fin de Grado. Formación Estelar en Cuásares
Type of project: End of course project
Entity: UNIVERSIDAD DE CANTABRIA **Type of entity:** University
City of entity: Santander, Cantabria, Spain
Obtained qualification: NOT.
Date of reading: 27/10/2015

8 **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

9 **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

10 **Project title:** Proyecto Fin de Carrera. Actualización del software GUIspec
Type of project: End of course project
Entity: UNIVERSIDAD DE CANTABRIA
City of entity: Santander, Spain
Obtained qualification: M.H.
Date of reading: 19/10/2012

11 **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

- 12** **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
- 13** **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
- 14** **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
- 15** **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
- 16** **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:** AHEAD2020: INTEGRATED ACTIVITIES FOR THE HIGH ENERGY ASTROPHYSICS DOMAIN
Entity where project took place: UNIVERSIDAD DE CANTABRIA
Name principal investigator (PI, Co-PI....): FRANCISCO JESUS CARRERA TROYANO
Nº of researchers: 2
Funding entity or bodies:
COMISION EUROPEA
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS (CSIC)
Start date: 02/03/2020 **Duration:** 4 years - 1 day
Total amount: 22.327,49 €
- 2** **Name of the project:** ATHENA, FASE A2/B/C: PARTICIPACION CIENTIFICA EN LA MISION Y DESARROLLO DEL INSTRUMENTO X-IFU (RTI2018-096686-B-C21)
Entity where project took place: UNIVERSIDAD DE CANTABRIA
Name principal investigator (PI, Co-PI....): SILVIA MATEOS IBAÑEZ; MARIA TERESA CEBALLOS MERINO
Nº of researchers: 4
Funding entity or bodies:
AGENCIA ESTATAL DE INVESTIGACION
Start date: 01/01/2019 **Duration:** 3 years - 1 day
Total amount: 487.025 €
- 3** **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 €
- 4** **Name of the project:** ENTENDIENDO EL ORIGEN DEL UNIVERSO: PARTÍCULAS, COSMOLOGÍA, FUERZAS Y BÚSQUEDA DE NUEVA FÍSICA
Entity where project took place: UNIVERSIDAD DE CANTABRIA
Name principal investigator (PI, Co-PI....): CELSO MARTINEZ RIVERO; JOSE MANUEL GUTIERREZ LLORENTE
Nº of researchers: 10
Funding entity or bodies:



UNIVERSIDAD DE CANTABRIA

Start date: 31/10/2017**Duration:** 4 years**Total amount:** 10.100,31 €

- 5** **Name of the project:** THE X-RAY AND INFRARED VIEW OF THE OBSCURED ACCRETION PHENOMENON
Entity where project took place: UNIVERSIDAD DE CANTABRIA
Name principal investigator (PI, Co-PI....): SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO
Nº of researchers: 5
Funding entity or bodies: UNIVERSIDAD DE CANTABRIA
Start date: 11/01/2016 **Duration:** 3 years - 11 months - 28 days
Total amount: 6.872,21 €
- 6** **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 €
- 7** **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 €
- 8** **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 €
- 9** **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 €

10 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 €

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

Entity where project took place: UNIVERSIDAD DE CANTABRIA

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

Nº of researchers: 10

Funding entity or bodies:

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

Start date: 01/01/2011

Duration: 3 years - 1 day

Total amount: 254.100 €

12 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

Duration: 12 months

Total amount: 175.450 €

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

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

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

Nº of researchers: 13

Funding entity or bodies:

MINISTERIO DE EDUCACION Y CIENCIA

Start date: 01/10/2006

Duration: 2 years - 11 months - 20 days

Total amount: 609.480 €



- 14** **Name of the project:** UN OBSERVATORIO ASTRONÓMICO PARA LA SOCIEDAD DE CANTABRIA :
INSTALACION DE UN TELESCOPIO EN EL INSTITUTO DE FISICA DE CANTABRIA
Entity where project took place: UNIVERSIDAD DE CANTABRIA
Name principal investigator (PI, Co-PI....): FRANCISCO JESUS CARRERA TROYANO
Nº of researchers: 1
Funding entity or bodies:
MINISTERIO DE EDUCACION Y CIENCIA
- Start date:** 01/01/2005 **Duration:** 1 year
Total amount: 21.000 €
- 15** **Name of the project:** SISTEMA DE METROLOGIA DE PRECISION MICROMETRICA. SISTEMA DE
CALCULO ESCALABRE DISTRIBUIDO. SALA LIMPIA Y CAMARA CLIMATICA.
Entity where project took place: UNIVERSIDAD DE CANTABRIA
Name principal investigator (PI, Co-PI....): MARIA TERESA RODRIGO ANORO
Nº of researchers: 8
Funding entity or bodies:
GOBIERNO DE CANTABRIA
- Start date:** 01/01/2004 **Duration:** 1 year - 1 day
Total amount: 451.050 €
- 16** **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 €
- 17** **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 €
- 18** **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 €



- 19** **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 €
- 20** **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 €
- 21** **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 **Duration:** 2 years - 11 months - 20 days
Total amount: 67.313 €
- 22** **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 €
- 23** **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 €



- 24** **Name of the project:** Estudio multirrango 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 €
- 25** **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 €
- 26** **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 €
- 27** **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** Julien Wolf; Mara Salvato; Damien Coffey; Andrea Merloni; Johannes Buchner; Riccardo Arcodia; Dalya Baron; FRANCISCO JESUS CARRERA TROYANO; Johan Comparat; Donald P Schneider; Kirpal Nandra. Exploring the diversity of Type 1 active galactic nuclei identified in SDSS-IV/SPIDERS. Monthly Notices of the Royal Astronomical Society. 492 - 3, pp. 3580 - 3601. 08/01/2020. ISSN 1365-2966
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.231
- 2** Stefano Bianchi; Robert Antonucci; Alessandro Capetti; Marco Chiaberge; Ari Laor; Loredana Bassani; FRANCISCO JESUS CARRERA TROYANO; Fabio La Franca; Andrea Marinucci; Giorgio Matt; Riccardo Middei; Francesca Panessa. HST unveils a compact mildly relativistic broad-line region in the candidate true type 2 NGC 3147. Monthly Notices of the Royal Astronomical Society: Letters. 488 - 1, pp. 1 - 5. 01/09/2019. ISSN 1745-3933
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.231
- 3** Francesca Civano; Nico Cappelluti; Ryan Hickox; Rebecca Canning; James Aird; Marco Ajello; Steve Allen; Eduardo Bañados; Laura Blecha; William N. Brandt; Marcella Brusa; FRANCISCO JESUS CARRERA TROYANO; et al. Cosmic evolution of supermassive black holes: A view into the next two decades. Bulletin of the American Astronomical Society. 51 - 3, pp. 429. 01/05/2019. ISSN 0002-7537
Type of production: Scientific paper **Format:** Journal
- 4** Francesco Tombesi; Massimo Cappi; FRANCISCO JESUS CARRERA TROYANO; George Chartas; et al. Do Supermassive Black Hole Winds Impact Galaxy Evolution?. Bulletin of the American Astronomical Society. 51 - 3, pp. 103. 01/05/2019. ISSN 0002-7537
Type of production: Scientific paper **Format:** Journal
- 5** I García-Bernete; C Ramos Almeida; A Alonso-Herrero; M J Ward; J A Acosta-Pulido; M Pereira-Santaella; A Hernán-Caballero; A Asensio Ramos; O González-Martín; N A Levenson; SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO; C Ricci; P Roche; I Marquez; C Packham; J Masegosa; L Fuller. Torus model



properties of an ultra-hard X-ray selected sample of Seyfert galaxies. Monthly Notices of the Royal Astronomical Society. 486 - 4, pp. 4917. 10/04/2019. ISSN 1365-2966

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 5.231

- 6** I. Traulsen; A. D. Schwobe; G. Lamer; J. Ballet; FRANCISCO JESUS CARRERA TROYANO; M. Coriat; M. J. Freyberg; L. Michel; C. Motch; S. R. Rosen; N. Webb; MARIA TERESA CEBALLOS MERINO; F. Koliopanos; J. Kurpas; M. J. Page; M. G. Watson. The XMM-Newton serendipitous survey. VIII: The first XMM-Newton serendipitous source catalogue from overlapping observations. Astronomy & Astrophysics. 624, pp. 77. 01/04/2019. ISSN 1432-0746

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 6.209

- 7** J J Urbano-Mayorgas; M Villar Martín; F Buitrago; J Piqueras López; B Rodríguez del Pino; A M Koekemoer; M Huertas-Company; R Domínguez-Tenreiro; FRANCISCO JESUS CARRERA TROYANO; C Tadhunter. The host galaxies of luminous type 2 AGNs at $z \sim 0.3-0.4$. Monthly Notices of the Royal Astronomical Society. 483 - 2, pp. 1829 - 1849. 01/02/2019. ISSN 1365-2966

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 5.194

- 8** R. Cassano; R. Fender; C. Ferrari; A. Merloni; et al.; FRANCISCO JESUS CARRERA TROYANO. SKA-Athena Synergy White Paper. SKA-Athena Synergy White Paper. pp. 1. 01/07/2018. ISSN arXiv:1807.09

Type of production: Scientific paper

Format: Journal

- 9** 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

- 10** 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

- 11** 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

- 12** 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

- 13** 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

- 14** 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

- 15** 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

- 16** 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

- 17** G. Mountrichas; I. Georgantopoulos; N. J. Secret; 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

- 18** 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

- 19** 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

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

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.952

- 21** 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

- 22** 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

- 23** 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

- 24** S. R. Rosen; N. A. Webb; M. G. Watson; J. Ballet; D. Barret; V. Braito; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; M. Coriat; R. Della Ceca; G. Denkinson; P. Esquej; S. A. Farrell; M. Freyberg; F. Gris ; 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. Schwope; 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
- 25** SILVIA MATEOS IBA EZ; 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. Braito; 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
- 26** 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
- 27** A. Nebot G mez-Mor n; 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
- 28** P. Ranalli; I. Georgantopoulos (I. Ge???; A. Corral; L. Koutoulidis (? K??t??id?; M. Rovilos (E. P?? i???); 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
Impact source: ISI
Impact index in year of publication: 5.084
- 29** SILVIA MATEOS IBA EZ; 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.521

- 30** 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 $z \approx 2$: 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.521
- 31** 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.084
- 32** R. Della Ceca; FRANCISCO JESUS CARRERA TROYANO; A. Caccianiga; P. Severgnini; L. Ballo; V. Braito; A. Corral; A. Del Moro; SILVIA MATEOS IBAÑEZ; ANGEL RUIZ CAMUÑAS; M. G. Watson. Exploring the active galactic nuclei population with extreme X-ray-to-optical flux ratios ($f_x/f_o > 50$). Monthly Notices of the Royal Astronomical Society. 447 - 4, pp. 3227 - 3242. 16/01/2015. ISSN 1365-2966
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.521
- 33** L. Ballo; P. Severgnini; A. Caccianiga; R. Della Ceca; C. Vignali; FRANCISCO JESUS CARRERA TROYANO; A. Corral; SILVIA MATEOS IBAÑEZ. The XMM-Newton Bright Survey sample of absorbed quasars: X-ray and accretion properties. Monthly Notices of the Royal Astronomical Society. 444 - 3, pp. 2580 - 2598. 15/09/2014. ISSN 1365-2966
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.521
- 34** SERENA FALOCCO; FRANCISCO JESUS CARRERA TROYANO; FRANCESC XAVIER BARCONS JAUREGUI; G. Miniutti; A. Corral. Relativistic reflection in the average X-ray spectrum of active galactic nuclei in the Véron-Cetty and Véron catalogue. Astronomy & Astrophysics. 568, pp. 15 - 23. 01/08/2014. ISSN 1432-0746
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.084
- 35** R. Fanali; A. Caccianiga; P. Severgnini; R. Della Ceca; E. Marchese; FRANCISCO JESUS CARRERA TROYANO; A. Corral; SILVIA MATEOS IBAÑEZ. Erratum: Studying the relationship between X-ray emission and accretion in AGNs using the XMM-Newton Bright Serendipitous Survey. Monthly Notices of the Royal Astronomical Society. 435 - 1, pp. 900 - 900. 11/10/2013. ISSN 1365-2966
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.521



- 36** P. Esquej; M. Page; FRANCISCO JESUS CARRERA TROYANO; SILVIA MATEOS IBAÑEZ; J. Tedds; M. G. Watson; A. Corral; J. Ebrero; M. Krumpe; S. R. Rosen; MARIA TERESA CEBALLOS MERINO; A. Schwoppe; C. G. Page; ALMUDENA ALONSO HERRERO; A. Caccianiga; R. Della Ceca; O. González-Martín; G. Lamer; P. Severgnini. The XMM-Newton Wide Angle Survey (XWAS). *Astronomy & Astrophysics*. 557, pp. 123 - 133. 01/09/2013. ISSN 1432-0746
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.084
- 37** SILVIA MATEOS IBAÑEZ; ALMUDENA ALONSO HERRERO; FRANCISCO JESUS CARRERA TROYANO; A. Blain; P. Severgnini; A. Caccianiga; A. Ruiz. Uncovering obscured luminous AGN with WISE. *Monthly Notices of the Royal Astronomical Society*. 434 - 2, pp. 941 - 955. 01/09/2013. ISSN 1365-2966
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.521
- 38** NURIA CASTELLO MOR; FRANCISCO JESUS CARRERA TROYANO; ALMUDENA ALONSO HERRERO; SILVIA MATEOS IBAÑEZ; FRANCESC XAVIER BARCONS JAUREGUI; P. Ranalli; P. G. Pérez-González; A. Comastri; C. Vignali; I. Georgantopoulos. The XMM deep survey in the CDF-S. VI. Obscured AGN selected as infrared power-law galaxies. *Astronomy & Astrophysics*. 556, pp. 114 - 126. 01/08/2013. ISSN 1432-0746
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.084
- 39** NURIA CASTELLÓ MOR; FRANCISCO JESUS CARRERA TROYANO; ALMUDENA ALONSO HERRERO; SILVIA MATEOS IBAÑEZ; FRANCESC XAVIER BARCONS JAUREGUI; P. Ranalli; P. G. Pérez-González; A. Comastri; C. Vignali; I. Georgantopoulos. The XMM deep survey in the CDF-S. VI. Obscured AGN selected as infrared power-law galaxies. *Astronomy & Astrophysics*. 556, pp. 114 - 126. 01/08/2013. ISSN 1432-0746
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.084
- 40** SERENA FALOCCO; FRANCISCO JESUS CARRERA TROYANO; A. Corral; FRANCESC XAVIER BARCONS JAUREGUI; A. Comastri; R. Gilli; P. Ranalli; C. Vignali; K. Iwasawa; N. Cappelluti; E. Rovilos; I. Georgantopoulos; M. Brusa; F. Vito. The XMM Deep survey in the CDF-S. V. Iron K lines from active galactic nuclei in the distant Universe. *Astronomy & Astrophysics (Edición Electrónica)*. 555, pp. 79. 01/07/2013. ISSN 14320746
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.084
- 41** P. Ranalli; A. Comastri; C. Vignali; FRANCISCO JESUS CARRERA TROYANO; N. Cappelluti; R. Gilli; S. Puccetti; W. N. Brandt; H. Brunner; M. Brusa; I. Georgantopoulos; K. Iwasawa; V. Mainieri. The XMM deep survey in the CDF-S. III. Point source catalogue and number counts in the hard X-rays. *Astronomy & Astrophysics (Edición Electrónica)*. 555, pp. 42. 01/07/2013. ISSN 14320746
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.084



- 42** I. Georgantopoulos; A. Comastri; C. Vignali; P. Ranalli; E. Rovilos; K. Iwasawa; R. Gilli; N. Cappelluti; FRANCISCO JESUS CARRERA TROYANO; J. Fritz; M. Brusa; D. Elbaz; R. J. Mullaney; NURIA CASTELLO MOR; FRANCESC XAVIER BARCONS JAUREGUI; P. Tozzi; I. Balestra; SERENA FALOCCO. The XMM deep survey in the CDF-S. IV. Compton-thick AGN candidates. *Astronomy & Astrophysics (Edición Electrónica)*. 555, pp. 43. 01/07/2013. ISSN 14320746
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.084
- 43** I. Georgantopoulos; A. Comastri; C. Vignali; P. Ranalli; E. Rovilos; K. Iwasawa; R. Gilli; N. Cappelluti; FRANCISCO JESUS CARRERA TROYANO; J. Fritz; M. Brusa; D. Elbaz; R. J. Mullaney; NURIA CASTELLO MOR; FRANCESC XAVIER BARCONS JAUREGUI; P. Tozzi; I. Balestra; SERENA FALOCCO. The XMM deep survey in the CDF-S. IV. Compton-thick AGN candidates. *Astronomy & Astrophysics (Edición Electrónica)*. 555, pp. 43. 01/07/2013. ISSN 14320746
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.084
- 44** K. Nandra; D. Barret; FRANCESC XAVIER BARCONS JAUREGUI; A.C. Fabian; J.W. den Herder; L. Piro; M. Watson; C. Adami; J. Aird; Afonso J.M.; D. Alexander; et al.; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; et al.; SILVIA MATEOS IBAÑEZ; et al. The Hot and Energetic Universe: A White Paper presenting the science theme motivating the Athena+ mission. Submitted in response to the call for White Papers for the definition of the L2 and L3 missions in the ESA Science program. pp. 1 - 19. 01/06/2013. ISSN ESA
Type of production: Scientific paper **Format:** Journal
- 45** A. Georgakakis; FRANCISCO JESUS CARRERA TROYANO; G. Lanzuisi; M. Brightman; J. Buchner; J. Aird; M.J. Page; M. Cappi; J. Afonso; ALMUDENA ALONSO HERRERO; L. Ballo; FRANCESC XAVIER BARCONS JAUREGUI; MARIA TERESA CEBALLOS MERINO; A. Comastri; I. Georgantopoulos; SILVIA MATEOS IBAÑEZ; et al. The Hot and Energetic Universe: Understanding the build-up of supermassive black holes and galaxies at the heyday of the Universe. Supporting paper for the science theme "The Hot and Energetic Universe" to be implemented by the Athena+ X-ray observatory (<http://www.the-athena-x-ray-observatory.eu>). pp. 1 - 7. 01/06/2013. ISSN 2013arXiv1306
Type of production: Scientific paper **Format:** Journal
- 46** R. Fanali; A. Caccianiga; P. Severgnini; R. Della Ceca; E. Marchese; FRANCISCO JESUS CARRERA TROYANO; A. Corral; SILVIA MATEOS IBAÑEZ. Studying the relationship between X-ray emission and accretion in AGN using the XMM-Newton Bright Serendipitous Survey. *Monthly Notices of the Royal Astronomical Society*. 433 - 1, pp. 648 - 658. 21/05/2013. ISSN 13652966
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.521
- 47** 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.084



- 48** MARCOS LOPEZ-CANIEGO ALCARRIA; JOAQUIN GONZALEZ-NUEVO GONZALEZ; M. Massardi; LAURA BONAVERA; DIEGO HERRANZ MUÑOZ; M. Negrello; G. De Zotti; FRANCISCO JESUS CARRERA TROYANO; L. Danese; S. Fleuren; M. Hardcastle; M. J. Jarvis; H.- R. Klockner; T. Mauch; P. Procopio; S. Righini; W. Sutherland; R. Auld; M. Baes; S. Buttiglione; C. J. R. Clark; A. Cooray; A. Dariush; L. Dunne; S. Dye; S. Eales; R. Hopwood; C. Hoyos; E. Ibar; R. J. Ivison; S. Maddox; E. Valiante. Mining the Herschel-Astrophysical Terahertz Large Area Survey: submillimetre-selected blazars in equatorial fields. *Monthly Notices of the Royal Astronomical Society*. 430 - 3, pp. 1566 - 1577. 01/04/2013. ISSN 13652966
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.521
- 49** 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.41
- 50** DIEGO HERRANZ MUÑOZ; JOAQUIN GONZALEZ-NUEVO GONZALEZ; D. L. Clements; G. De Zotti; M. Clemens; MARCOS LOPEZ-CANIEGO ALCARRIA; A. Lapi; G. Rodighiero; L. Danese; H. Fu; A. Cooray; M. Baes; G. J. Bendo; LAURA BONAVERA; FRANCISCO JESUS CARRERA TROYANO; H. Dole; S. Eales; R. J. Ivison; M. Jarvis; G. Lagache; M. Massardi; M. J. Michalowski; M. Negrello; E. Rigby; D. Scott; E. Valiante; I. Valtchanov; P. Van der Werf; R. Auld; S. Buttiglione; A. Dariush; L. Dunne; R. Hopwood; C. Hoyos; E. Ibar; S. Maddox. Herschel-ATLAS: Planck sources in the phase 1 fields. *Astronomy & Astrophysics (Edición Electrónica)*. 549, pp. 31. 01/01/2013. ISSN 14320746
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.084
- 51** Stefano Bianchi; Francesca Panessa; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; et al. Simultaneous X-ray and optical observations of true type 2 Seyfert galaxies. *Monthly Notices of the Royal Astronomical Society*. 426, pp. 3225 - 3240. 01/11/2012. ISSN 13652966
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.89
- 52** FRANCISCO JESUS CARRERA TROYANO. Using the Bright Ultrahard XMM-Newton survey to define an IR selection of luminous AGN based on WISE colours. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*. 426, pp. 3271 - 3281. 01/11/2012. ISSN 00358711
Type of production: Scientific paper **Format:** Journal
- 53** SILVIA MATEOS IBAÑEZ; ALMUDENA ALONSO HERRERO; FRANCISCO JESUS CARRERA TROYANO; Andrew Blain; Mike G. Watson; FRANCESC XAVIER BARCONS JAUREGUI; Valentina Braito; Paola Severgnini; Jennifer Donley; D. Stern. Using the Bright Ultrahard XMM-Newton survey to define an IR selection of luminous AGN based on WISE colours. *Monthly Notices of the Royal Astronomical Society*. 426 - 4, pp. 3271 - 3281. 01/11/2012. ISSN 13652966
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.89



- 54** E. Rovilos; Andrea Comastri; Roberto Gilli; Ioannis Georgantopoulos; Cristian Vignali; Piero Ranalli; Cristian Vignali; E. Lusso; Nico Cappelluti; G. Zamorani; Dan Elbaz; M. Dickinson; V. Charmandaris; R.J. Ivison; Andrea Merloni; Emmanuele Daddi; FRANCISCO JESUS CARRERA TROYANO; et al. GOODS-Herschel: ultra-deep XMM-Newton observations reveal AGN/star-formation connection. *ASTRONOMY & ASTROPHYSICS* (Edición Impresa). 546, pp. 58. 01/10/2012. ISSN 00046361
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.084
- 55** FRANCISCO JESUS CARRERA TROYANO. GOODS-Herschel: ultra-deep XMM-Newton observations reveal AGN/star-formation connection. *ASTRONOMY & ASTROPHYSICS* (Edición Impresa). 546, pp. 1 - 16. 01/10/2012. ISSN 00046361
Type of production: Scientific paper **Format:** Journal
- 56** FRANCISCO JESUS CARRERA TROYANO. The XMM deep survey in the CDF-S II. A 9-20 keV selection of heavily obscured active galaxies at $z > 1.7$. *ASTRONOMY & ASTROPHYSICS* (Edición Impresa). 546, pp. 1 - 8. 01/10/2012. ISSN 00046361
Type of production: Scientific paper **Format:** Journal
- 57** Kazushi Iwasawa; Roberto Gilli; Cristian Vignali; Andrea Comastri; Niel Brandt; Piero Ranalli; Fabio Vito; Nico Cappelluti; FRANCISCO JESUS CARRERA TROYANO; SERENA FALOCCO; Ioannis Georgantopoulos; Vincenzo Mainieri; Maurizio Paolillo. The XMM deep survey in the CDF-S. II. A 9-20 keV selection of heavily obscured active galaxies at $z > 1.7$. *ASTRONOMY & ASTROPHYSICS* (Edición Impresa). 546, pp. 84. 01/10/2012. ISSN 00046361
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.084
- 58** FRANCISCO JESUS CARRERA TROYANO. Exploring X-ray and radio emission of type 1 AGN up to z similar to 2.3. *ASTRONOMY & ASTROPHYSICS* (Edición Impresa). 545, pp. 1 - 15. 01/09/2012. ISSN 00046361
Type of production: Scientific paper **Format:** Journal
- 59** LUCIA BALLO; Francisco Heras; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO. Exploring X-ray and radio emission of type 1 AGN up to $z \sim 2.3$. *ASTRONOMY & ASTROPHYSICS* (Edición Impresa). 545, pp. 66. 01/09/2012. ISSN 00046361
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.084
- 60** FRANCISCO JESUS CARRERA TROYANO. The X-ray luminous galaxies optically classified as star forming are mostly narrow line Seyfert 1 s. *ASTRONOMY & ASTROPHYSICS* (Edición Impresa). 544, pp. 1 - 15. 01/08/2012. ISSN 00046361
Type of production: Scientific paper **Format:** Journal
- 61** NURIA CASTELLO MOR; FRANCESC XAVIER BARCONS JAUREGUI; LUCIA BALLO; FRANCISCO JESUS CARRERA TROYANO; Martin J. Ward; C. Jin. The X-ray luminous galaxies optically classified as star forming are mostly narrow line Seyfert 1s. *ASTRONOMY & ASTROPHYSICS* (Edición Impresa). 544, pp. 48. 01/08/2012. ISSN 00046361
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.084



- 62** NURIA CASTELLÓ MOR; FRANCESC XAVIER BARCONS JAUREGUI; LUCIA BALLO; FRANCISCO JESUS CARRERA TROYANO; Martin J. Ward; C. Jin. The X-ray luminous galaxies optically classified as star forming are mostly narrow line Seyfert 1s. *ASTRONOMY & ASTROPHYSICS* (Edición Impresa). 544, pp. 48. 01/08/2012. ISSN 00046361
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.084
- 63** SERENA FALOCCO; FRANCISCO JESUS CARRERA TROYANO; A. Corral; E. Laird; K. Nandra; FRANCESC XAVIER BARCONS JAUREGUI; M. J. Page; J. Digby-North. Averaging the AGN X-ray spectra from deep Chandra fields. *Astronomy & Astrophysics* (Edición Electrónica). 538, pp. 83. 09/02/2012. ISSN 14320746
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 5.084
- 64** SERENA FALOCCO; FRANCISCO JESUS CARRERA TROYANO; FRANCESC XAVIER BARCONS JAUREGUI. Averaging the AGN X-ray spectra from deep Chandra fields. *ASTRONOMY & ASTROPHYSICS* (Edición Impresa). 538 - A83, pp. 1 - 14. 01/02/2012. ISSN 00046361
Type of production: Scientific paper **Format:** Journal
- 65** M. J. Page; FRANCISCO JESUS CARRERA TROYANO; J. A. Stevens; JACOBO EBRERO CABRERO; A. J. Blustin. The nature of X-ray-absorbed quasi-stellar objects. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*. 416 - 4, pp. 2792 - 2801. 01/10/2011. ISSN 00358711
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.888
- 66** FRANCISCO JESUS CARRERA TROYANO; Mathew J. Page; Jason A. Stevens; Rob Ivison; Tom Dwelly; JACOBO EBRERO CABRERO; SERENA FALOCCO. A strongly starforming group: three massive galaxies associated with a QSO. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*. 413, pp. 2791 - 2807. 01/06/2011. ISSN 0035-8711
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.888
- 67** Amalia Corral; Roberto Della Ceca; Alessandro Caccianiga; Paola Severgnini; Hermann Brunner; FRANCISCO JESUS CARRERA TROYANO; Mathew J. Page; Axel Schwoppe. The X-ray spectral properties of the AGN population in the XMM-Newton bright serendipitous survey. *ASTRONOMY & ASTROPHYSICS*. 530, pp. 42 - 80. 01/06/2011. ISSN 0004-6361
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.587
- 68** François-Xavier Pineau; Christian Motch; FRANCISCO JESUS CARRERA TROYANO; Roberto Della Ceca; Sebastien Derriere; Michel Laurent; Axel Schwoppe; Michael G. Watson. Cross-correlation of the 2XMMi catalogue with Data Release 7 of the Sloan Digital Sky Survey. *ASTRONOMY & ASTROPHYSICS*. 527, pp. 126 - 147. 01/03/2011. ISSN 0004-6361
Type of production: Scientific paper **Format:** Journal
Impact source: ISI

Impact index in year of publication: 4.587

- 69** Andrea Comastri; Piero Ranalli; Kazushi Iwasawa; C. Vignali; Roberto Gilli; Ioannis Georgantopoulos; FRANCESC XAVIER BARCONS JAUREGUI; W.N. Brandt; Hermann Brunner; Marcella Brusa; N. Cappelluti; FRANCISCO JESUS CARRERA TROYANO; F. Civano; Fabrizio Fiore; Günther Hasinger; Vincenzo Mainieri; Andrea Merloni; Fabrizio Nicastro; M. Paolillo; S. Pucetti; Piero Rosatti; John D. Silverman; Paolo Tozzi; G. Zamorani; I. Balestra; Franz E. Bauer; B. Luo; Y.Q. Xue. The XMM Deep survey in the CDF-S. I. First results on heavily obscured AGN. *ASTRONOMY & ASTROPHYSICS*. 526, pp. 9 - 14. 01/02/2011. ISSN 0004-6361

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.587

- 70** Christian Motch; Robert S. Warwick; Mark S. Cropper; FRANCISCO JESUS CARRERA TROYANO; Patrick Guillout; François-Xavier Pineau; Manfred W. Pakull; Simon Rosen; Axel Schwope; Jonathan Tedds; Natalie Webb; Ignacio Negueruela; Michael G. Watson. The X-ray source content of the XMM-Newton Galactic plane survey. *ASTRONOMY AND ASTROPHYSICS Supplement Series (Edición Impresa)*. 523, pp. 92. 01/11/2010. ISSN 03650138

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.410

- 71** Jason A. Stevens; Matt J. Jarvis; K.E.K. Coppin; Mathew Page; T.R. Greve; FRANCISCO JESUS CARRERA TROYANO; Rob Ivison. An excess of star-forming galaxies in the fields of high-redshift QSOs. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*. 405, pp. 2623 - 2638. 01/07/2010. ISSN 00358711

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.888

- 72** ALINA STREBLYANSKA; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; RODRIGO GIL-MERINO RUBIO. A revision of the X-ray absorption nature of BALQSOs. *ASTRONOMY & ASTROPHYSICS (Edición Impresa)*. 515, pp. 2. 01/06/2010. ISSN 00046361

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.410

- 73** ANGEL RUIZ CAMUÑAS; Giovanni Miniutti; FRANCESCA PANESSA; FRANCISCO JESUS CARRERA TROYANO. Spectral energy distribution of hyperluminous infrared galaxies. *ASTRONOMY & ASTROPHYSICS (Edición Impresa)*. 515, pp. 99. 01/06/2010. ISSN 00046361

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.410

- 74** SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO; Page M.J.; Watson M.G.; AMALIA CORRAL RAMOS; Tedds J.A.; JACOBO EBRERO CABRERO; Krumpe M.; Schwope A.; MARIA TERESA CEBALLOS MERINO. The XMM-Newton Wide Angle Survey (XWAS): the X-ray spectrum of type-1 AGN. *ASTRONOMY & ASTROPHYSICS (Edición Impresa)*. 510, pp. 35. 01/02/2010. ISSN 00046361

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.410



- 75** 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.425
- 76** FRANCESCA PANESSA; FRANCISCO JESUS CARRERA TROYANO; Bianchi S.; Gastaldello F.; A. Corral; FRANCESC XAVIER BARCONS JAUREGUI; 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.425
- 77** 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
- 78** 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.425
- 79** 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 1.632
- 80** 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.425
- 81** 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

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.425

- 82** 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

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.410

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

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.425

- 84** SILVIA MATEOS IBAÑEZ; Warwick R.S.; FRANCISCO JESUS CARRERA TROYANO; Stewart G.C.; JACOBO EBRERO CABRERO; Della Ceca R.; Caccianiga A.; Gilli R.; Page M. J.; Treister E.; Tedds J.A.; Watson M.G.; Lamer G.; Saxton R.D.; Brunner H.; Page C.G. High precision X-ray log N - log S distributions: implications for the obscured AGN population. *ASTRONOMY & ASTROPHYSICS*. 492, pp. 51 - 69. 01/12/2008. ISSN 0004-6361

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.425

- 85** 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

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 15.206

- 86** 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

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.425

- 87** 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 1.403
- 88** 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 **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.425
- 89** 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 **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.888
- 90** Caccianiga A.; Severgnini P.; Della Ceca R.; Maccararo 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 **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.425
- 91** 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 identification of the XMM-Newton medium sensitivity survey (XMS). ASTRONOMY & ASTROPHYSICS (Edición Impresa). 476, pp. 1191 - 1203. 01/12/2007. ISSN 00046361
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.425
- 92** Garcet O.; Gandhi P.; Gosset E.; Sprimont P.G.; Surdej J.; Borkowski V.; Tajer M.; Pacaud F.; Pierre M.; Chiappetti L.; Maccagni D.; Page M.J.; FRANCISCO JESUS CARRERA TROYANO; Tedds J.A.; SILVIA MATEOS IBAÑEZ; Krumpe M.; Contini t.; AMALIA CORRAL RAMOS; JACOBO EBRERO CABRERO; I. Cavignaud; Axel Schwöpe; O. Le Fèvre; M. Polletta; S. Rosen; C. Lonsdale; M. Watson; W. Borczyk; P. Vaisanen. The XMM Large Scale Structure survey: optical vs. X-ray classifications of active galactic nuclei and the unified scheme. ASTRONOMY & ASTROPHYSICS (Edición Impresa). 474, pp. 473 - 489. 01/11/2007. ISSN 00046361
Type of production: Scientific paper **Format:** Journal
Impact source: ISI



Impact index in year of publication: 4.425

- 93** SILVIA MATEOS IBAÑEZ; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; Page M.J.; MARIA TERESA CEBALLOS MERINO; Hasinger G; Fabian A.C.XMM-Newton observations of the Lockman Hole. V. Time variability of the brightest AGN. ASTRONOMY & ASTROPHYSICS (Edición Impresa). 473, pp. 105 - 120. 01/10/2007. ISSN 00046361

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.425

- 94** ANGEL RUIZ CAMUÑAS; FRANCISCO JESUS CARRERA TROYANO; FRANCESCA PANESSA. An XMM-Newton study of hyper-luminous infrared galaxies. ASTRONOMY & ASTROPHYSICS (Edición Impresa). 471, pp. 775 - 786. 01/09/2007. ISSN 00046361

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.425

- 95** Caccianiga A; Severgnini P.; Della Ceca R.; Maccacaro T.; FRANCISCO JESUS CARRERA TROYANO; Page M.J.Elusive AGN in the XMM-Newton bright serendipitous survey. ASTRONOMY & ASTROPHYSICS (Edición Impresa). 470, pp. 557 - 570. 01/08/2007. ISSN 00046361

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.425

- 96** 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

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.425

- 97** Page M.J.; Lehmann I.; Boller T.; Watson M.G.; Dwelly T.; Hess S.; Matute I.; Loaring N.S.; Rosen S.; Ziaee pour H.; Schwobe A.; Lamer G.; FRANCISCO JESUS CARRERA TROYANO; et al.The XMM-SSC survey of hard-spectrum XMM-Newton sources - I. Optically bright sources. MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. 378, pp. 1335 - 1355. 01/07/2007. ISSN 00358711

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.888

- 98** 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

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 2.500



- 99** 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.425
- 100** FRANCESCA PANESSA; Bassani L.; Cappi M.; Dadina M; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; Ho L.C.; Iwasawa K. On the X-ray, optical emission line and black hole mass properties of local Seyfert galaxies. *ASTRONOMY & ASTROPHYSICS* (Edición Impresa). 455, pp. 173 - 185. 01/08/2006. ISSN 00046361
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.425
- 101** 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.425
- 102** 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.425
- 103** Stevens J.A.; Page M.J.; Ivison R.J.; FRANCISCO JESUS CARRERA TROYANO; Mittaz J.P.D.; Smail I.; Hardy I.M. Submillimetre photometry of X-ray absorbed quasi-stellar objects: their formation and evolutionary status. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*. 360, pp. 610 - 618. 01/06/2005. ISSN 00358711
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.888
- 104** 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.888



- 105** SILVIA MATEOS IBAÑEZ; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; Caccianiga A.; Lamer G.; Maccacaro T.; Page M.J.; Schwobe 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
- 106** 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.425
- 107** Della Ceca R.; Maccacaro T.; Caccianiga A.; Severgnini P.; Braitto V.; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; Watson M.G.; Tedds J. A.; Brunner H.; Lehmann I.; Page M.J.; Lamer G.; Schwobe 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.425
- 108** Page M.J.; Stevens J.A.; Ivison R.J.; FRANCISCO JESUS CARRERA TROYANO. The Evolutionary Sequence of Active Galactic Nuclei and Galaxy Formation Revealed. *The Astrophysical Journal*. 611, pp. 85 - 88. 01/08/2004. ISSN 0004637X
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 6.063
- 109** FRANCISCO JESUS CARRERA TROYANO; Page M.J.; Mittaz J.P.D.XMM-Newton spectra of hard spectrum Rosat AGN: X-ray absorption and optical reddening. *ASTRONOMY & ASTROPHYSICS* (Edición Impresa). 420, pp. 163 - 172. 01/06/2004. ISSN 00046361
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.425
- 110** 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
- 111** 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



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

Format: Journal

- 112** 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

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

Format: Journal

- 113** 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

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

Format: Journal

- 114** 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

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

Format: Journal

- 115** 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

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

Format: Journal

- 116** 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

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 0.842

Format: Journal

- 117** FRANCISCO JESUS CARRERA TROYANO; FRANCESC XAVIER BARCONS JAUREGUI; SILVIA MATEOS IBAÑEZ. The bi-variate log N-log S. ASTRONOMISCHE NACHRICHTEN. 324, pp. 157 - 157. 01/01/2003. ISSN 00046337

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 0.842

Format: Journal



- 118** SILVIA MATEOS IBAÑEZ; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO. X-ray spectra of XMM-Newton AXIS serendipitous sources. ASTRONOMISCHE NACHRICHTEN. 324, pp. 48 - 51. 01/01/2003. ISSN 00046337
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 0.842
- 119** 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. Schwope; 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
- 120** Page M.J.; Stevens J.A.; Mittaz J.P.D.; FRANCISCO JESUS CARRERA TROYANO. Submillimeter Evidence for the Coeval Growth of Massive Black Holes and Galaxy Bulges. SCIENCE. 294, pp. 2516 - 2518. 01/12/2001. ISSN 00368075
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 31.377
- 121** Page M.J.; Mittaz J.P.D.; FRANCISCO JESUS CARRERA TROYANO. A survey of hard spectrum ROSAT sources - II. Optical identification of hard sources. MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. 325, pp. 575 - 583. 01/08/2001. ISSN 00358711
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.888
- 122** 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



- 123** 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
- 124** 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
Impact source: ISI
Impact index in year of publication: 4.888
- 125** 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.888
- 126** 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
- 127** FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO. La Edad de Oro de la astronomía de rayos X. *REVISTA ESPAÑOLA DE FISICA*. 14, pp. 6 - 8. 01/01/2000. ISSN 0213862X
Type of production: Scientific paper **Format:** Journal
- 128** 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
- 129** 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



Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.888

- 130** Page M.J.; FRANCISCO JESUS CARRERA TROYANO; Mittaz J.P.D.; Mason K.O. Soft X-ray spectral variations of the narrow-line Seyfert 1 galaxy Markarian 766. MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. 305, pp. 775 - 794. 01/05/1999. ISSN 00358711

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.888

- 131** 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

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.888

- 132** 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

- 133** 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

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.888

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

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.888

- 135** 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

- 136** 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

- 137** 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

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.888

- 138** 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

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.888

- 139** Page M.J.; Mason K.O.; McHardy I.M.; Jones L.R.; FRANCISCO JESUS CARRERA TROYANO. The evolution of X-ray-selected narrow-emission-line galaxies. MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. 289, pp. 693 - 699. 01/08/1997. ISSN 00358711

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.888

- 140** FRANCISCO JESUS CARRERA TROYANO; Fabian A.C.; FRANCESC XAVIER BARCONS JAUREGUI. Soft X-ray background fluctuations and large-scale structure in the Universe. MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. 285, pp. 820 - 830. 01/03/1997. ISSN 00358711

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.888

- 141** 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

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.888



- 142** 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.888
- 143** 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.888
- 144** 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.888
- 145** Mathew J. Page; FRANCISCO JESUS CARRERA TROYANO; G. Hasinger; Keith O. Mason; Richard G. McMahon; J.P.D. Mittaz; FRANCESCO 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.888
- 146** 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
- 147** FRANCISCO JESUS CARRERA TROYANO; FRANCESCO 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



- 148** 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
- 149** 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
- 150** 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 36.104
- 151** 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
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.888
- 152** FRANCISCO JESUS CARRERA TROYANO; FRANCESC XAVIER BARCONS JAUREGUI. The spatial distribution of cosmic X-ray sources from the isotropy of the soft X-ray background. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*. 257, pp. 507 - 512. 01/08/1992. ISSN 00358711
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 4.888
- 153** 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
Impact index in year of publication: 4.888



- 154** FRANCESC XAVIER BARCONS JAUREGUI; A.C. Fabian; FRANCISCO JESUS CARRERA TROYANO. The structure of the 1 3 keV X-ray background. ASTROPHYSICS AND SPACE SCIENCE. 171, pp. 49 - 53. 01/09/1990. ISSN 0004640X
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 1.437

Works submitted to national or international conferences

- 1** **Title of the work:** A Wide Area Survey for Hard Spectrum ROSAT Sources
Name of the conference: THE NEW ERA OF WIDE FIELD ASTRONOMY
Type of participation: Participatory - oral communication
City of event: San Francisco, United States of America
PAGE M.J.; MITTAZ J.P.D.; FRANCISCO JESUS CARRERA TROYANO. ASP Conf. Series 232, pp. 187 - 192. 01/01/2001.
- 2** **Title of the work:** A complete X-ray and optical view on the absorption in BALQSOs
Name of the conference: X-RAY ASTRONOMY 2009; PRESENT STATUS, MULTI-WAVELENGTH APPROACH AND FUTURE PERSPECTIVES
Type of participation: 'Participatory - poster
City of event: Bologna, Italy
ALINA STREBLYANSKA; FRANCESC XAVIER BARCONS JAUREGUI; FRANCISCO JESUS CARRERA TROYANO; RODRIGO GIL-MERINO RUBIO. AIP Conference Proce - 1248, pp. 513 - 514. 01/07/2010.
- 3** **Title of the work:** A survey for hard spectrum ROSAT sources
Name of the conference: X-RAY ASTRONOMY
Type of participation: 'Participatory - poster
City of event: Bolonia, Italy
PAGE M.J.; MITTAZ J.P.D.; FRANCISCO JESUS CARRERA TROYANO. AIP Conf. Proc. 599, pp. 822 - 825. 01/01/2001.
- 4** **Title of the work:** A survey of hard spectrum ROSAT sources: XMM-Newton data and optical-X-ray colours
Name of the conference: New visions of the X-ray Universe
Type of participation: Participatory - oral communication
City of event: Noordwijk, Holland
FRANCISCO JESUS CARRERA TROYANO; Page M.J.; Stevens J.A.ESA SP-488, 29/11/2001.
- 5** **Title of the work:** AGN surveys
Name of the conference: Spanish X-ray Astronomy 2015
Type of participation: Participatory - invited/keynote talk
City of event: Santander, Spain
FRANCISCO JESUS CARRERA TROYANO. 04/06/2015.
- 6** **Title of the work:** AXIS (An XMM-Newton International Survey): a Progress Report
Name of the conference: NEW CENTURY OF X-RAY ASTRONOMY
Type of participation: Participatory - oral communication
City of event: Japan
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 and the high energy Universe
Name of the conference: Science and development of eXTP in Spain
Type of participation: Participatory - invited/keynote talk
City of event: Barcelona, Spain
FRANCISCO JESUS CARRERA TROYANO. 22/01/2020.



- 14** **Title of the work:** Athena surveys of the Hot and Energetic Universe
Name of the conference: X-ray Surveys of the Hot and Energetic Universe
Type of participation: Participatory - invited/keynote talk
City of event: Harbin, China
FRANCISCO JESUS CARRERA TROYANO. 16/01/2019.
- 15** **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.
- 16** **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.
- 17** **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.
- 18** **Title of the work:** Athena: Mission and Spanish participation
Name of the conference: XIII Scientific Meeting of the Spanish Astronomical Society
Type of participation: Participatory - invited/keynote talk
City of event: Salamanca, Spain
FRANCISCO JESUS CARRERA TROYANO. "Proceedings of the XIII Scientific Meeting of the Spanish Astronomical Society held on July 16-20, 2018, in Salamanca, Spain". 17/07/2018. ISBN 9788409093311
- 19** **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 Schwoppe; Mirko Krumpke. 01/07/2008.
- 20** **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 Schwoppe; Jonathan Tedds; Michael G. Watson. ISBN 978-3-642-11249, pp. 273. 01/01/2010.



- 21** **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.
- 22** **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.
- 23** **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, Crete, Greece
Stevens J.A.; Page M.J.; FRANCISCO JESUS CARRERA TROYANO; Ivison R.J.; Smail I. Crete University Pre, 01/10/2006.
- 24** **Title of the work:** Broad-band spectral properties of absorbed BLAGN from the 2XMMi-SDSS catalogues
Name of the conference: 38th COSPAR Scientific Assembly
Type of participation: Participatory - poster
City of event: Bremen, Germany
ALINA STREBLYANSKA; FRANCISCO JESUS CARRERA TROYANO; FRANCESC XAVIER BARCONS JAUREGUI; RODRIGO GIL-MERINO RUBIO. 01/08/2010.
- 25** **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.
- 26** **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.
- 27** **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.
- 28** **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.

- 29** **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
- 30** **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.
- 31** **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.
- 32** **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
- 33** **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.
- 34** **Title of the work:** Dust-to-gas ratio in a complete sample of type-1 AGN
Name of the conference: XIII Scientific Meeting of the Spanish Astronomical Society
Type of participation: Participatory - poster
City of event: Salamanca, Spain
IGNACIO ORDOVAS PASCUAL; SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO; A. Caccianiga; R. Della Ceca; P. Severgnini; A. Moretti; L. Ballo; AMALIA CORRAL RAMOS. "Proceedings of the XIII Scientific Meeting of the Spanish Astronomical Society held on July 16-20, 2018, in Salamanca, Spain". pp. 223. 01/03/2019. ISBN 9788409093311



- 35** **Title of the work:** EURECA Software
Name of the conference: ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS XVII
Type of participation: 'Participatory - poster
Rohlfs R.; JAVIER BUSSONS GORDO; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; den Herder J.W.; de Korte P.; van der Kuur J.; Paltani S.; JOSE RAMON RODON ORTIZ; Schuurmans J.ASP Conf. Proc. 394, pp. 585 - 588. 01/08/2008.
- 36** **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.
- 37** **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.
- 38** **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.
- 39** **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.
- 40** **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.
- 41** **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.



- 42** **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.
- 43** **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.
- 44** **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.
- 45** **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.
- 46** **Title of the work:** Learning about AGN with Athena
Name of the conference: V Meeting of AGN research in Spain
Type of participation: Participatory - invited/keynote talk
City of event: Santander, Spain
FRANCISCO JESUS CARRERA TROYANO. 12/07/2019.
- 47** **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.
- 48** **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
- 49** **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.

50 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.

51 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.

52 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.

53 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.

54 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.

55 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.

56 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.

- 57 Title of the work:** On the relation between X-ray absorption and optical extinction in AGN
Name of the conference: XII Reunión Científica de la Sociedad Española de Astronomía
Type of participation: 'Participatory - poster
City of event: Bilbao, Spain
IGNACIO ORDOVAS PASCUAL; SILVIA MATEOS IBAÑEZ; FRANCISCO JESUS CARRERA TROYANO; K. Wiersema; A. Caccianiga; R. Della Ceca; P. Severgnini; A. Moretti; L. Ballo. "Highlights on Spanish Astrophysics IX, Proceedings of the XII Scientific Meeting of the Spanish Astronomical Society". 01/03/2017. ISBN 9788460687603
- 58 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.
- 59 Title of the work:** On the relationship between X-ray, MIR and bolometric luminosities of broad line QSOs
Name of the conference: Treasures hidden in high energy catalogues
Type of participation: Participatory - oral communication
City of event: Toulouse, France
FRANCISCO JESUS CARRERA TROYANO; SILVIA MATEOS IBAÑEZ; PEDRO JOSE FERNANDEZ MANTECA. 22/05/2018.
- 60 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
- 61 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.
- 62 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.



- 63** **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.
- 64** **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.
- 65** **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.
- 66** **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.
- 67** **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.
- 68** **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.
- 69** **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.
- 70** **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.

- 71 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.
- 72 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.
- 73 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.
- 74 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.
- 75 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.
- 76 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.
- 77 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

- 78** **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
- 79** **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.
- 80** **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.
- 81** **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
- 82** **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. "Astronomical Data Analysis Software and Systems XXV". 512, pp. 165 - 168. 01/12/2017. ISBN 9781583819081
- 83** **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.



- 84** **Title of the work:** The Athena Community Office
Name of the conference: X-ray Astronomy 2019
Type of participation: 'Participatory - poster
SILVIA MARTINEZ NUÑEZ; FRANCISCO JESUS CARRERA TROYANO; MARIA TERESA CEBALLOS MERINO; MARIA PILAR MONTERDE VILLAR; Didier Barret; Enrico Bozzo; Arne Rau. 13/09/2019.
- 85** **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. Braito; P. Severgnini; J.L. Donley; D. Stern. "Highlights of Spanish Astrophysics VII, Proceedings of the X Scientific Meeting of the Spanish Astronomical Society". pp. 288 - 293. 01/05/2013. ISBN 9788469576144
- 86** **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
- 87** **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.
- 88** **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.
- 89** **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.
- 90** **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.



- 91** **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.
- 92** **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.
- 93** **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.
- 94** **Title of the work:** The XMM-Newton Bright Serentipitous Survey source sample (XMM-Newton BSS)
Name of the conference: New visions of the X-ray Universe
Type of participation: Participatory - oral communication
City of event: Noordwijk, Holland
Della Ceca R.; Maccacaro T.; Caccianiga A.; Severgnini P.; 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.
- 95** **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 Schwobe; G. Szokoly; Robert S. Warwick; M.G. Watson; N. Webb; P. Wheatley. ESA SP-488, 29/11/2001.
- 96** **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.
- 97** **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.



- 98** **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.
- 99** **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.
- 100** **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
- 101** **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.
- 102** **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.
- 103** **Title of the work:** Uncovering luminous and highly obscured AGN with mid-infrared surveys
Name of the conference: X-ray Astronomy 2019
Type of participation: 'Participatory - poster
FRANCISCO JESUS CARRERA TROYANO; SILVIA MATEOS IBAÑEZ; LORENZO BARQUIN GONZALEZ; AMALIA CORRAL RAMOS. 13/09/2019.
- 104** **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.

- 105** **Title of the work:** Understanding the build-up of supermassive black holes and galaxies
Name of the conference: Exploring the Hot and Energetic Universe: The second scientific conference dedicated to the Athena X-ray observatory
Type of participation: Participatory - invited/keynote talk
City of event: Palermo, Italy
FRANCISCO JESUS CARRERA TROYANO; Antonis Georgakakis; Giorgio Lanzuisi; Yoshihiro Ueda. 26/09/2018.
- 106** **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.
- 107** **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.
- 108** **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.
- 109** **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.
- 110** **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.
- 111** **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.



- 112 Title of the work:** X-ray emission properties of BLAGN in the XMM-2dF Wide Angle Survey
Name of the conference: Black Holes - From Stars to Galaxies
Type of participation: Participatory - oral communication
City of event: Praga, Czech Republic
SILVIA MATEOS 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.
- 113 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
- 114 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.
- 115 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.
- 116 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.
- 117 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.
- 118 Title of the work:** X-ray sources as tracers of the large scale structure in the Universe
Name of the conference: X-RAY ASTRONOMY
Type of participation: Participatory - oral communication
City of event: Bolonia, Italy



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

- 119** **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.
- 120** **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.
- 121** **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
- 122** **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.
- 123** **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:** Comité de Asignación de Tiempos del Observatorio XMM-Newton AO-3, 4, 7, 8, 16, 18
Affiliation entity: EUROPEAN SPACE AGENCY
Start-End date: 01/01/2016 - 31/12/2018
- 2** **Committee title:** Co-presidencia del Topical Panel SWG 2.2: Understanding the build-up of SMBH and galaxies del Athena Science Study Team
Affiliation entity: EUROPEAN SPACE AGENCY
Start-End date: 06/02/2015 - 31/12/2018
- 3** **Committee title:** Steering Group del XMM-Newton Survey Science Centre
Start-End date: 01/10/2004 - 31/12/2018
- 4** **Committee title:** Co-Investigador del XMM-Newton Survey Science Centre
Start-End date: 01/01/2004 - 31/12/2018
- 5** **Committee title:** Fellow de la Royal Astronomical Society
Start-End date: 01/07/1998 - 31/12/2018
- 6** **Committee title:** Miembro Numerario de la Sociedad Española de Astronomía
Start-End date: 01/09/1993 - 31/12/2018
- 7** **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
- 8** **Committee title:** Steering Group del XMM-Newton Survey Science Centre
Start-End date: 01/10/2004 - 31/12/2017
- 9** **Committee title:** Co-Investigador del XMM-Newton Survey Science Centre
Start-End date: 01/01/2004 - 31/12/2017
- 10** **Committee title:** Fellow de la Royal Astronomical Society
Start-End date: 01/07/1998 - 31/12/2017
- 11** **Committee title:** Miembro Numerario de la Sociedad Española de Astronomía
Start-End date: 01/09/1993 - 31/12/2017



- 12** **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
- 13** **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
- 14** **Committee title:** Steering Group del XMM-Newton Survey Science Centre
Start-End date: 01/10/2004 - 23/12/2012
- 15** **Committee title:** Steering Group del XMM-Newton Survey Science Centre
Start-End date: 01/10/2004 - 21/12/2012
- 16** **Committee title:** Co-Investigador del XMM-Newton Survey Science Centre
Start-End date: 01/01/2004 - 21/12/2012
- 17** **Committee title:** Presidencia del Euro Virtual Observatory Science Advisory Committee
Start-End date: 01/07/2009 - 23/11/2012
- 18** **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
- 19** **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
- 20** **Committee title:** Science Associate del proyecto IXO
Affiliation entity: EUROPEAN SPACE AGENCY
Start-End date: 01/01/2009 - 31/12/2010
- 21** **Committee title:** Fellow de la Royal Astronomical Society
Start-End date: 01/07/1998 - 31/12/2010
- 22** **Committee title:** Miembro Numerario de la Sociedad Española de Astronomía
Start-End date: 01/09/1993 - 31/12/2010
- 23** **Committee title:** Euro Virtual Observatory Science Advisory Committee
Start-End date: 01/02/2006 - 30/06/2009
- 24** **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



- 25** **Committee title:** XEUS Astrophysics Working Group
Affiliation entity: EUROPEAN SPACE AGENCY
Start-End date: 01/02/2005 - 01/09/2008
- 26** **Committee title:** Comité de Asignación de Tiempos del Observatorio XMM-Newton
Affiliation entity: EUROPEAN SPACE AGENCY
Start-End date: 01/11/2003 - 31/12/2004

Organization of R&D activities

- 1** **Title of the activity:** Scientific Organising Committee "Spanish X-ray Astronomy 2019"
Type of activity: Conference **Geographical area:** National
City of event: Alicante, Valencian Community, Spain
Convening entity: Universidad de Alicante **Type of entity:** University
City convening entity: Alicante, Valencian Community, Spain
Type of participation: Organiser
N° assistants: 20
Start-End date: 26/11/2019 - 27/11/2019 **Duration:** 2 days
- 2** **Title of the activity:** Scientific Organising Committee "X-ray Astronomy 2019"
Type of activity: Conference **Geographical area:** Non EU International
City of event: Bologna, Emilia-Romagna, Italy
Convening entity: Universita di Bologna/INAF
City convening entity: Bologna, Emilia-Romagna, Italy
Type of participation: Organiser
N° assistants: 300
Start-End date: 08/09/2019 - 13/09/2019 **Duration:** 6 days
- 3** **Title of the activity:** Scientific Organising Committee "V Meeting of AGN research in Spain"
Type of activity: Conference **Geographical area:** National
City of event: Santander, Cantabria, Spain
Convening entity: Instituto de Física de Cantabria **Type of entity:** Public Research Body (IFCA)
City convening entity: Santander, Cantabria, Spain
Type of participation: Organiser
N° assistants: 30
Start-End date: 11/07/2019 - 12/07/2019 **Duration:** 2 days
- 4** **Title of the activity:** Scientific Organising Committee "Treasures hidden in high energy catalogues"
Type of activity: Conference **Geographical area:** Non EU International
City of event: Toulouse, Midi-Pyrénées, France
Convening entity: Institut de Recherche en Astrophysique et Planétologie
City convening entity: Toulouse, Midi-Pyrénées, France
Type of participation: Organiser
N° assistants: 60
Start-End date: 22/05/2018 - 24/05/2018 **Duration:** 3 days
- 5** **Title of the activity:** Scientific Organising Committee "Spanish X-ray Astronomy 2017: the path towards Athena"
Type of activity: Conference **Geographical area:** National



City of event: Granada, Andalusia, Spain

Convening entity: Instituto de Astrofísica de Andalucía

Type of entity: State agency

City convening entity: Granada, Andalusia, Spain

Type of participation: Organiser

N° assistants: 30

Start-End date: 23/10/2017 - 25/10/2017

Duration: 3 days

6 Title of the activity: Scientific Organising Committee "IV Meeting of AGN research in Spain"

Type of activity: Conference

Geographical area: National

City of event: La Laguna, Canary Islands, Spain

Convening entity: Instituto de Astrofísica de Canarias

Type of entity: Public Research Body

City convening entity: La Laguna, Canary Islands, Spain

Type of participation: Organiser

N° assistants: 30

Start-End date: 27/10/2016 - 28/10/2016

Duration: 2 days

7 Title of the activity: Scientific Organising Committee EWASS "How galaxies live and die: the onset and end of star formation across cosmic time"

Type of activity: Conference

Geographical area: European Union

City of event: Athens, Attiki, Greece

Convening entity: European Astronomical Society

Type of entity: Associations and Groups

City convening entity: Geneva, Switzerland

Type of participation: Organiser

N° assistants: 300

Start-End date: 06/07/2016 - 08/07/2016

Duration: 3 days

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

Type of activity: Conference

Geographical area: Non EU International

City of event: Paris, Île de France, France

Convening entity: Observatoire Astronomique d'Strasbourg

Type of entity: R&D Centre

City convening entity: Strasbourg, Alsace, France

Type of participation: Organiser

N° assistants: 30

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

Duration: 3 days

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

Type of activity: Conference

Geographical area: Non EU International

City of event: Athens, Attiki, Greece

Convening entity: National Observatory of Athens

Type of entity: R&D Centre

City convening entity: Athens, Attiki, Greece

Type of participation: Organiser

N° assistants: 30

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

Duration: 4 days



- 10** **Title of the activity:** Scientific Organizing Committee "The X-ray Universe 2011"
Type of activity: International Symposium **Geographical area:** Non EU International
Convening entity: European Space Agency **Type of entity:** State agency
City convening entity: Berlin, Germany
Start-End date: 27/06/2011 - 30/06/2011 **Duration:** 5 days
- 11** **Title of the activity:** Scientific and Technical Organizing Committee "Multi-wavelength Astronomy and Virtual Observatory"
Type of activity: International Workshop **Geographical area:** Non EU International
Convening entity: Euro VO **Type of entity:** International Consortium
City convening entity: Villafranca del Castillo, Community of Madrid, Spain
Start-End date: 01/12/2008 - 03/12/2008 **Duration:** 3 days
- 12** **Title of the activity:** Comité Organizador Local "VIII Reunión Científica de la Sociedad Española de Astronomía"
Type of activity: Congreso nacional **Geographical area:** National
Convening entity: Sociedad Española de Astronomía **Type of entity:** Associations and Groups
City convening entity: Santander, Cantabria, Spain
Start-End date: 07/07/2008 - 11/07/2008 **Duration:** 5 days
- 13** **Title of the activity:** Chairman of the Local Organizing Committee "X-ray surveys in the light of the new observatories"
Type of activity: International workshop **Geographical area:** Non EU International
Convening entity: Instituto de Física de Cantabria (IFCA) **Type of entity:** Public Research Body
City convening entity: Santander, Cantabria, Spain
Start-End date: 04/09/2002 - 06/09/2002 **Duration:** 3 days

R&D management

- 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:** Max Planck Institute für extraterrestrische Physik
City of entity: Garching, Germany
Start date: 15/02/2019 **Duration:** 5 days
Goals of the stay: Guest
Provable tasks: Colaboración en la aplicación de técnicas de "machine learning" a la caracterización de fuentes astronómicas de rayos X
- 2 Entity:** max planck institute for extraterrestrial physics
City of entity: Garching, Germany
Start date: 30/07/2018 **Duration:** 5 days
Goals of the stay: Guest
Provable tasks: Colaboración en la aplicación de técnicas de "machine learning" a la caracterización de fuentes astronómicas de rayos X
- 3 Entity:** NATIONAL OBSERVATORY OF ATHENS (NOA)
City of entity: Atenas, Greece
Start date: 23/04/2018 **Duration:** 6 days
Goals of the stay: Guest
Provable tasks: Aprender técnicas bayesianas de análisis de espectros astronómicos de rayos X
- 4 Entity:** IMPERIAL COLLEGE OF SCIENCE TECHN & MEDICINE **Type of entity:** University
City of entity: Londres, United Kingdom
Start date: 01/09/2009 **Duration:** 11 months
Goals of the stay: Sabático financiado por el MICINN
Provable tasks: Aceptación en proyecto Herschel-ATLAS. Participación en Congreso "IR-X-ray connection" en Reino Unido (Julio 2010)
- 5 Entity:** Mullard Space Science Laboratory (UCL)
City of entity: Holmbury St. Mary, Surrey, United Kingdom
Start date: 01/07/2006 **Duration:** 15 days
Goals of the stay: Guest
Provable tasks: Estancia de investigación
- 6 Entity:** Mullard Space Science Laboratory (UCL)
City of entity: Holmbury St. Mary, Surrey, United Kingdom
Start date: 01/07/2005 **Duration:** 15 days
Goals of the stay: Guest
Provable tasks: Estancia de investigación



- 7** **Entity:** Mullard Space Science Laboratory (UCL)
City of entity: Holmbury St. Mary, Surrey, United Kingdom
Start date: 01/04/1999 **Duration:** 10 months - 15 days
Goals of the stay: Contracted
Provable tasks: Senior Research Fellow del UCL
- 8** **Entity:** Mullard Space Science Laboratory (UCL)
City of entity: Holmbury St. Mary, Surrey, United Kingdom
Start date: 01/01/1993 **Duration:** 3 years - 2 months
Goals of the stay: Contracted
Provable tasks: Research Fellow del UCL
- 9** **Entity:** University of Leicester
City of entity: Leicester, United Kingdom
Start date: 15/10/1990 **Duration:** 2 months
Goals of the stay: Estancia breve Ministerio
Provable tasks: Estancia de investigación
- 10** **Entity:** Institute of Astronomy
City of entity: Cambridge, United Kingdom
Start date: 20/11/1989 **Duration:** 2 months
Goals of the stay: Estancia breve Ministerio
Provable tasks: Estancia de investigación

Summary of other achievements

- 1** **Description of the achievement:** Evaluación de proyectos para la ANEP (2007-2010, 2014-2020)
Conferral date: 31/12/2020
- 2** **Description of the achievement:** Siete actividades sobre "Órbitas" para alumnos de 3º de la ESO dentro del proyecto ESTALMAT, impartidas los días 21 de mayo de 2016, 18 de febrero de 2017, 18 de marzo de 2017, 10 y 24 de marzo de 2018, 9 de marzo de 2019 y 7 de marzo de 2020
Conferral date: 07/03/2020
- 3** **Description of the achievement:** Seis charlas de divulgación científica para alumnos de Primaria y Secundaria durante 2020
Conferral date: 06/03/2020
- 4** **Description of the achievement:** Impartición de una conferencia en el Ateneo de Santander sobre "Athena: el Universo caliente y energético"
Conferral date: 08/01/2020
- 5** **Description of the achievement:** Cinco tramos de actividad investigadora (sexenios, 1989-2018) valorados positivamente por la CNEAI a 1 de enero de 2019
Conferral date: 31/12/2019
- 6** **Description of the achievement:** Evaluación de proyectos para la Agencia Spaziale Italiana (ASI), el Istituto Nazionale di Fisica Nucleare (INFN) y el Istituto Nazionale di Astrofisica (INAF) (2017-19)
Conferral date: 31/12/2019



- 7** **Description of the achievement:** Seis charlas de divulgación científica para alumnos de Primaria y Secundaria durante 2019
Conferral date: 31/12/2019
- 8** **Description of the achievement:** Seis módulos de méritos docentes (1989-2018) valorados positivamente por la Comisión de Evaluación de la Universidad de Cantabria a 1 de enero de 2019
Conferral date: 31/12/2019
- 9** **Description of the achievement:** Participación en las Semanas de la Ciencia 2017, 2018 y 2019 de la Universidad de Cantabria en el Instituto de Física de Cantabria (CSIC-UC), Santander
Conferral date: 15/11/2019
- 10** **Description of the achievement:** Organización y realización de una observación el tránsito de Mercurio por delante del Sol el 11 de noviembre de 2019, desarrollada por el IFCA en colaboración con el Observatorio Astronómico de Cantabria y la Agrupación Astronómica Cántabra
Conferral date: 11/11/2019
- 11** **Description of the achievement:** Participación como investigador en la Noche Europea de los Investigadores de la UC en Santander el 27 de septiembre de 2019
Conferral date: 27/09/2019
- 12** **Description of the achievement:** Impartición del taller "Cohetes de agua" en la XVI edición del Campus Infantil de la Universidad de Cantabria, Santander
Conferral date: 24/07/2019
- 13** **Description of the achievement:** Impartición de una conferencia en el Ateneo de Santander, junto con Jonatan Piedra Gómez, sobre "Ochenta mil leguas de viaje espacial"
Conferral date: 19/07/2019
- 14** **Description of the achievement:** Cinco charlas de divulgación científica para alumnos de Primaria y Secundaria durante 2018
Conferral date: 31/12/2018
- 15** **Description of the achievement:** Evaluación de planes de estudio para la Agencia Andaluza del Conocimiento (2015-18)
Conferral date: 31/12/2018
- 16** **Description of the achievement:** Usuario asiduo de las grandes instalaciones: XMM-Newton (ESA), WHT, INT, NOT, TNG (Observatorio del Roque de los Muchachos), Calar Alto
Conferral date: 29/12/2018
- 17** **Description of the achievement:** Usuario ocasional de las grandes instalaciones: Herschel (ESA), GTC, VLT, JCMT, ASCA (JAXA), Ginga (JAXA), Rosat (Alemania, Reino Unido, Estados Unidos), IUE (ESA)
Conferral date: 29/12/2018
- 18** **Description of the achievement:** Dos actividades de observación astronómica nocturna en la cúpula del Instituto de Física de Cantabria los días 21 de agosto y 17 de noviembre de 2018
Conferral date: 17/11/2018



- 19** **Description of the achievement:** Doce charlas y actividades de divulgación científica para alumnos de Primaria y Secundaria durante 2017
Conferral date: 31/12/2017
- 20** **Description of the achievement:** Evaluación de planes de estudio para la Agencia Andaluza del Conocimiento (2015-18)
Conferral date: 31/12/2017
- 21** **Description of the achievement:** Evaluación de proyectos para el Instituto Nacional Italiano para la Astrofísica (INAF, 2009)
Conferral date: 31/12/2017
- 22** **Description of the achievement:** Evaluación de proyectos para la Agencia Espacial Italiana (ASI, 2008-2009)
Conferral date: 31/12/2017
- 23** **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
- 24** **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
- 25** **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
- 26** **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
- 27** **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
- 28** **Description of the achievement:** Tres charlas de divulgación científica para alumnos de Primaria y Secundaria durante 2016
Conferral date: 31/12/2016
- 29** **Description of the achievement:** Participación en la Semana de la Ciencia del IFCA en los meses de Noviembre de 2010, 2011, 2012, 2013, 2015 y 2016 con visitas guiadas al Instituto y charlas de Astronomía a alumnos de Primaria, Secundaria y Bachillerato
Conferral date: 01/11/2016
- 30** **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



- 31 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
- 32 Description of the achievement:** Seis charlas y actividades de divulgación científica para alumnos de Primaria y Secundaria durante 2015
Conferral date: 31/12/2015
- 33 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
- 34 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
- 35 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
- 36 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
- 37 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
- 38 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
- 39 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
- 40 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
- 41 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
- 42 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



- 43** **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
- 44** **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
- 45** **Description of the achievement:** Persona de contacto en la U. de Cantabria para la organización de actividades del Año Internacional de la Astronomía 2009, incluyendo la organización de un concierto, ciclos de conferencias, y observaciones públicas, participando en estas dos últimas
Conferral date: 01/01/2009
- 46** **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
- 47** **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
- 48** **Description of the achievement:** Diversas charlas de divulgación sobre Astronomía en los años 2000 a 2007
Conferral date: 31/12/2007
- 49** **Description of the achievement:** Diversas charlas de divulgación sobre Astronomía desde el año 2000
Conferral date: 01/01/2000