

## Física Teórica y del Cosmos

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**Áreas de conocimiento:** Física Teórica. Física de la Tierra. Astronomía y Astrofísica

**Director:** Fernando Cornet Sánchez del Águila

**Secretaria:** Inés Grau Tamayo

**Página web:** [www.ugr.es/~fteorica](http://www.ugr.es/~fteorica)

**Profesorado:** CU: 7, PTU: 17, PDI Contratado y Otros: 2

### Grupos de Investigación.

FQM108 ASTROFÍSICA

- Responsable: FLORIDO NAVIO, ESTRELLA

FQM292 EVOLUCION Y NUCLEOSINTESIS ESTELAR

- Responsable: ABIA LADRON DE GUEVARA, CARLOS ANTONIO

FQM330 FISICA DE ALTAS ENERGIAS

- Responsable: CORNET SÁNCHEZ DEL ÁGUILA, FERNANDO

FQM101 FISICA TEORICA (PARTICULAS ELEMENTALES)

- Responsable: ÁGUILA GIMÉNEZ, FRANCISCO DEL

### Dirección y participación en Proyectos I+D

2011 Título: SEGUIMIENTO DE LA ACTIVIDAD SISMOVOLCANICA EN LA ISLA DECEPCION Y MANTENIMIENTO DE ESTACIONES SISMICAS | Programa: MICINN

- ALMENDROS GONZALEZ, FRANCISCO JAVIER - ROL: Responsable

2011 Título: Escuela de aceleradores del CERN en Granada | Programa: Programa Nacional de Internacionalización de la I+D

- PÉREZ-VICTORIA MORENO DE BARREDA, MANUEL - ROL: Responsable

2011 Título: Fenomenología de Nueva Física Más Allá del Modelo Estándar | Programa: Programa Nacional de Internacionalización de la I+D

- KITTEL , OLAF - ROL: Investigador/a

- PÉREZ-VICTORIA MORENO DE BARREDA, MANUEL - ROL: Responsable

2011 Título: Física de Sabor y QCD | Programa: Física de Partículas

- CORNET SÁNCHEZ DEL ÁGUILA, FERNANDO - ROL: Responsable

2011 Título: VIOLACIÓN NO MÍNIMA DE SABOR EN SUPERSIMETRÍA | Programa: MINISTERIO DE CIENCIA E INNOVACIÓN

- ILLANA CALERO, JOSÉ IGNACIO - ROL: Responsable

2011 Título: NUEVA FÍSICA A LA ESCALA DEL TEV Y SUS IMPLICACIONES EN GRANDES COLISIONADORES | Programa: OTROS PROGRAMAS DEL PLAN NACIONAL I+D, MINISTERIO DE CIENCIA Y TECNOLOGÍA

- ÁGUILA GIMÉNEZ, FRANCISCO DEL - ROL: Responsable

- AGUILAR SAAVEDRA, JUAN ANTONIO - ROL: Investigador/a

- CARMONA BERMÚDEZ, ADRIÁN - ROL: Investigador/a

- CASTRO , NUNO - ROL: Investigador/a

- KITTEL , OLAF - ROL: Investigador/a

- PÉREZ-VICTORIA MORENO DE BARREDA, MANUEL - ROL: Investigador/a

- SANTIAGO PÉREZ, JOSÉ - ROL: Investigador/a

2011 Título: TEORÍAS EFECTIVAS DE GRAVITACIÓN INSPIRADAS EN TEORÍAS DE CUERDAS: IMPLICACIONES COSMOLÓGICAS Y PREDICCIONES FENOMENOLÓGICAS | Programa: OTROS PROGRAMAS DEL PLAN NACIONAL I+D, MINISTERIO DE CIENCIA Y TECNOLOGÍA

- BASTERO GIL, MAR - ROL: Responsable

- JANSSEN , BERT - ROL: Investigador/a

2011 Título: CÁLCULOS PRECISOS EN FÍSICA DE PARTÍCULAS | Programa: PROYECTOS DE EXCELENCIA, JUNTA DE ANDALUCÍA

- ÁGUILA GIMÉNEZ, FRANCISCO DEL - ROL: Responsable

- AGUILAR SAAVEDRA, JUAN ANTONIO - ROL: Investigador/a

- BARCELÓ AGUILAR, ROBERTO - ROL: Investigador/a

- BASTERO GIL, MAR - ROL: Investigador/a

- CARMONA BERMÚDEZ, ADRIÁN - ROL: Investigador/a

- CASTRO , NUNO - ROL: Investigador/a

- CORNET SÁNCHEZ DEL ÁGUILA, FERNANDO - ROL: Investigador/a

- GÁMIZ SÁNCHEZ, MARÍA ELVIRA - ROL: Investigador/a

- GRAU TAMAYO, INÉS - ROL: Investigador/a

- ILLANA CALERO, JOSÉ IGNACIO - ROL: Investigador/a

- JANSSEN , BERT - ROL: Investigador/a

- JENKINS SÁNCHEZ, MARK DAVID - ROL: Investigador/a

- KITTEL , OLAF - ROL: Investigador/a

- MASIP MELLADO, MANUEL - ROL: Investigador/a

- PÉREZ-VICTORIA MORENO DE BARREDA, MANUEL - ROL: Investigador/a

- PITTAU , ROBERTO - ROL: Investigador/a
- SANTIAGO PÉREZ, JOSÉ - ROL: Investigador/a
- TRECCANI , MICHELE - ROL: Investigador/a

2012 Título: Evaluación rápida de mapas de intensidad instrumental y de daños potenciales en áreas urbanas para la mejora de la respuesta inmediata ante terremotos. Aspectos sismológicos. | Programa: Plan Nacional I+D+i. Ciencias de la Tierra. CGL-BTE.

- SERRANO BERMEJO, INMACULADA - ROL: Investigador/a

2012 Título: High precision flavour physics with lattice QCD | Programa: COMISIÓN EUROPEA

- GÁMIZ SÁNCHEZ, MARÍA ELVIRA - ROL: Coordinador

2012 Título: Desarrollo de modelos de propagación de ondas sísmicas en medios altamente heterogéneos y sus efectos: Aplicación a regiones volcánicas activas | Programa:

- ALMENDROS GONZALEZ, FRANCISCO JAVIER - ROL: Investigador/a
- GARCIA YEGUAS, MARIA ARACELI - ROL: Investigador/a
- IBAÑEZ GODOY, JESUS MIGUEL - ROL: Responsable
- LÓPEZ COMINO, JOSÉ ÁNGEL - ROL: Investigador/a
- MARTIN LEON, ROSA MARÍA - ROL: Investigador/a

2012 Título: Theoretical predictions and analyses of LHC physics: advancing the precision frontier (LHCtheory) | Programa: Seventh Framework Programme. ERC-2011-AdG

- PITTAU , ROBERTO - ROL: Participante

2012 Título: FENOMENOLOGIA DEL LHC A 1-LAZO | Programa: MICINN -LIA de Proyectos de I+D+i

- PITTAU , ROBERTO - ROL: Responsable

2012 Título: Magnetismo frente a gravitación: Un desafío cósmico | Programa: MINISTERIO EDUCACIÓN

- FLORIDO NAVIO, ESTRELLA - ROL: Responsable

2012 Título: Theoretical and Observational Analysis of the late Phases of Stellar Evolution: Missing physical processes in AGB stars and thermonuclear Supernova | Programa: MINISTERIO DE CIENCIA E INNOVACIÓN

- ABIA LADRON DE GUEVARA, CARLOS ANTONIO - ROL: Participante
- DOMINGUEZ AGUILERA, INMACULADA - ROL: Responsable

2012 Título: The cosmic challenge: Magnetism versus Gravitation | Programa: Ministerio de Investigación y Ciencias

- LISENFELD , UTE - ROL: Investigador/a

### Publicaciones en revistas

2011 Título: CONSTRAINTS ON THE WTB VERTEX FROM EARLY LHC DATA | Revista: Physical review. D, Particles, fields, gravitation, and cosmology | v., n.83, pp.117301:1-117301:4

- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO
- Autor: CASTRO , NUNO

2011 Título: SEARCH FOR HEAVY LONG-LIVED CHARGED PARTICLES WITH THE ATLAS DETECTOR IN PP COLLISIONS AT  $\sqrt{S} = 7$  TEV | Revista: Physics letters. B (Print) | v.703, n., pp.428-446

- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO
- Autor: CASTRO , NUNO

2011 Título: SEARCH FOR SUPERSYMMETRIC PARTICLES IN EVENTS WITH LEPTON PAIRS AND LARGE MISSING TRANSVERSE MOMENTUM IN  $\sqrt{S} = 7$  TEV PROTON-PROTON COLLISIONS WITH THE ATLAS EXPERIMENT | Revista: European physical journal. C, Particles and fields (Print) | v.71, n., pp.1682:1-1682:19

- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO
- Autor: CASTRO , NUNO

2011 Título: MEASUREMENT OF THE MUON CHARGE ASYMMETRY FROM W BOSONS PRODUCED IN PP COLLISIONS AT  $\sqrt{S} = 7$  TEV WITH THE ATLAS DETECTOR | Revista: Physics letters. B (Print) | v.701, n., pp.31-49

- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO
- Autor: CASTRO , NUNO

2011 Título: SEARCH FOR SQUARKS AND GLUINOS USING FINAL STATES WITH JETS AND MISSING TRANSVERSE MOMENTUM WITH THE ATLAS DETECTOR IN  $\sqrt{S} = 7$  TEV PROTON-PROTON COLLISIONS | Revista: Physics letters. B (Print) | v.701, n., pp.186-203

- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO
- Autor: CASTRO , NUNO

2011 Título: Planck early results. XVIII. The power spectrum of cosmic infrared background anisotropies | Revista: Astronomy and Astrophysics | v.536, n., pp.1-30

- Autor: BATTANER LOPEZ, EDUARDO

2011 Título: Planck early results. XVII. Origin of the submillimetre excess dust emission in the Magellanic Clouds | Revista: Astronomy and Astrophysics | v.536, n., pp.1-17

- Autor: BATTANER LOPEZ, EDUARDO

2011 Título: Planck early results. XVI. The Planck view of nearby galaxies | Revista: Astronomy and Astrophysics | v.536, n., pp.1-16

- Autor: **BATTANER LOPEZ, EDUARDO**

2011 Título: Planck early results. XV. Spectral energy distributions and radio continuum spectra of northern extragalactic radio sources | Revista: Astronomy and Astrophysics | v.536, n., pp.1-56

- Autor: **BATTANER LOPEZ, EDUARDO**

2011 Título: Planck early results. XIV. ERCSC validation and extreme radio sources | Revista: Astronomy and Astrophysics | v.536, n., pp.1-18

- Autor: **BATTANER LOPEZ, EDUARDO**

2011 Título: Planck early results. XIII. Statistical properties of extragalactic radio sources in the Planck Early Release Compact Source Catalogue | Revista: Astronomy and Astrophysics | v.536, n., pp.1-10

- Autor: **BATTANER LOPEZ, EDUARDO**

2011 Título: Planck early results. XII. Cluster Sunyaev-Zeldovich optical scaling relations | Revista: Astronomy and Astrophysics | v.536, n., pp.1-10

- Autor: **BATTANER LOPEZ, EDUARDO**

2011 Título: Planck early results. XI. Calibration of the local galaxy cluster Sunyaev-Zeldovich scaling relations | Revista: Astronomy and Astrophysics | v.536, n., pp.1-14

- Autor: **BATTANER LOPEZ, EDUARDO**

2011 Título: Planck early results. X. Statistical analysis of Sunyaev-Zeldovich scaling relations for X-ray galaxy clusters | Revista: Astronomy and Astrophysics | v.536, n., pp.1-14

- Autor: **BATTANER LOPEZ, EDUARDO**

2011 Título: Planck early results. IX. XMM-Newton follow-up for validation of Planck cluster candidates | Revista: Astronomy and Astrophysics | v.536, n., pp.1-20

- Autor: **BATTANER LOPEZ, EDUARDO**

2011 Título: Planck early results. VIII. The all-sky early Sunyaev-Zeldovich cluster sample | Revista: Astronomy and Astrophysics | v.536, n., pp.1-28

- Autor: **BATTANER LOPEZ, EDUARDO**

2011 Título: Planck early results. VII. The Early Release Compact Source Catalogue | Revista: Astronomy and Astrophysics | v.536, n., pp.1-26

- Autor: **BATTANER LOPEZ, EDUARDO**

2011 Título: Planck early results. VI. The High Frequency Instrument data processing | Revista: Astronomy and Astrophysics | v.536, n., pp.1-47

- Autor: **BATTANER LOPEZ, EDUARDO**

2011 Título: Planck early results. IV. First assessment of the High Frequency Instrument in-flight performance | Revista: Astronomy and Astrophysics | v.536, n., pp.1-20

- Autor: **BATTANER LOPEZ, EDUARDO**

2011 Título: Planck early results. II. The thermal performance of Planck | Revista: Astronomy and Astrophysics | v.536, n., pp.1-31

- Autor: **BATTANER LOPEZ, EDUARDO**

2011 Título: Planck early results. I. The Planck mission | Revista: Astronomy and Astrophysics | v.536, n., pp.1-16

- Autor: **BATTANER LOPEZ, EDUARDO**

2011 Título: Planck early results. IX. XMM-Newton follow-up for validation of Planck cluster candidates | Revista: Astronomy and Astrophysics | v.536, n., pp.1-20

- Autor: **BATTANER LOPEZ, EDUARDO**

2011 Título: Planck early results. XI. Calibration of the local galaxy cluster Sunyaev-Zeldovich scaling relations | Revista: Astronomy and Astrophysics | v.536, n., pp.1-14

- Autor: **BATTANER LOPEZ, EDUARDO**

2011 Título: H I ASYMMETRIES IN THE ISOLATED GALAXY CIG 292 | Revista: The Astrophysical journal | v.739, n.1, pp.1-6

- Autor: **VERLEY , SIMON**

2011 Título: ON THE NATURE OF FAINT MID-INFRARED SOURCES IN M33 | Revista: Astronomy & astrophysics (Print) | v.528, n.A116, pp.1-14

- Autor: **VERLEY , SIMON**

2011 Título: THE AMIGA SAMPLE OF ISOLATED GALAXIES. VIII. THE RATE OF ASYMMETRIC H I PROFILES IN SPIRAL GALAXIES | Revista: Astronomy & astrophysics (Print) | v.532, n.A117, pp.1-14

- Autor: **VERLEY , SIMON**

2011 Título: THE HERSCHEL M 33 EXTENDED SURVEY (HERM33ES): PACS SPECTROSCOPY OF THE STAR-FORMING REGION BCLMP 302 | Revista: Astronomy & astrophysics (Print) | v.532, n.A152, pp.1-12

- Autor: **VERLEY , SIMON**

2011 Título: STAR FORMATION IN THE EXTENDED GASEOUS DISK OF THE ISOLATED GALAXY CIG 96 | Revista: The Astrophysical journal | v.736, n.1, pp.1-20

- Autor: **VERLEY , SIMON**

- 2011 Título: STUDY OF STELLAR POPULATIONS IN THE BULGES OF BARRED GALAXIES | Revista: Astronomy & astrophysics (Print) | v.529, n.64, pp.64-82  
- Autor: PEREZ MARTIN, MARÍA ISABEL
- 2011 Título: DUST HEATING SOURCES IN GALAXIES: THE CASE OF M33 (HERM33ES) | Revista: The Astronomical journal (New York, N.Y.) | v.142, n.4, pp.1-14  
- Autor: VERLEY, SIMON
- 2011 Título: AUTOMATION OF ONE-LOOP QCD CORRECTIONS | Revista: The Journal of high energy physics | v.1105, n., pp.044-0-044-63  
- Autor: PITTAU, ROBERTO
- 2011 Título: MEASUREMENT OF THE PRODUCTION CROSS SECTION FOR W-BOSONS IN ASSOCIATION WITH JETS IN PP COLLISIONS AT  $\sqrt{S} = 7$  TEV WITH THE ATLAS DETECTOR | Revista: Physics letters. B (Print) | v., n.698, pp.325-345  
- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO  
- Autor: CASTRO, NUNO
- 2011 Título: SEARCH FOR HIGH MASS DILEPTON RESONANCES IN PP COLLISIONS AT  $\sqrt{S}=7$  TEV WITH THE ATLAS EXPERIMENT | Revista: Physics letters. B (Print) | v., n.700, pp.163-180  
- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO  
- Autor: CASTRO, NUNO
- 2011 Título: DEEP MIXING IN EVOLVED STARS. I. THE EFFECT OF REACTION RATE REVISIONS FROM C TO AL | Revista: The Astrophysical journal | v.729, n., pp.3-24  
- Autor: CRISTALLO, SERGIO
- 2011 Título: Planck early results. XXVI. Detection with Planck and confirmation by XMM-Newton of PLCK G266.6-27.3, an exceptionally X-ray luminous and massive galaxy cluster at  $z \sim 1$  | Revista: Astronomy and Astropjysics | v.536, n.26, pp.1-7  
- Autor: BATTANER LOPEZ, EDUARDO
- 2011 Título: THE EXPOSURE OF THE HYBRID DETECTOR OF THE PIERRE AUGER OBSERVATORY | Revista: Astroparticle physics (Print) | v.34, n., pp.368-381  
- Autor: BUENO VILLAR, ANTONIO  
- Autor: GARCÍA GÁMEZ, DIEGO  
- Autor: GASCÓN BRAVO, ALBERTO  
- Autor: GONZÁLEZ TABOADA, JAVIER  
- Autor: LOZANO BAHILLO, JOSE JULIO  
- Autor: NAVARRO QUIRANTE, JOSE LUIS  
- Autor: NAVAS CONCHA, SERGIO  
- Autor: ZAMORANO GARCÍA, BRUNO
- 2011 Título: EFFECTIVE OPERATORS IN TOP PHYSICS | Revista: Pos proceedings of science | v., n., pp.378:1-378:4  
- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO
- 2011 Título: NEW NEUTRINO INTERACTIONS AT LARGE COLLIDERS | Revista: Pos proceedings of science | v., n., pp.296:1-296:4  
- Autor: ÁGUILA GIMÉNEZ, FRANCISCO DEL  
- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO
- 2011 Título: MEASUREMENT OF THE TOP QUARK-PAIR PRODUCTION CROSS SECTION WITH ATLAS IN PP COLLISIONS AT  $\sqrt{S}=7$  TEV | Revista: European physical journal. C, Particles and fields (Print) | v.71, n., pp.1577-1590  
- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO  
- Autor: CASTRO, NUNO
- 2011 Título: MEASUREMENT OF THE PRODUCTION CROSS SECTION FOR W-BOSONS IN ASSOCIATION WITH JETS IN PP COLLISIONS AT  $\sqrt{S} = 7$  TEV WITH THE ATLAS DETECTOR | Revista: Physics letters. B (Print) | v.698, n., pp.325-345  
- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO  
- Autor: CASTRO, NUNO
- 2011 Título: SEARCH FOR DIPHOTON EVENTS WITH LARGE MISSING TRANSVERSE ENERGY IN 7 TEV PROTON-PROTON COLLISIONS WITH THE ATLAS DETECTOR | Revista: Physical review letters (Print) | v., n.106, pp.121803:1-121803:19  
- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO  
- Autor: CASTRO, NUNO
- 2011 Título: CHARGED-PARTICLE MULTIPLICITIES IN PP INTERACTIONS MEASURED WITH THE ATLAS DETECTOR AT THE LHC | Revista: New journal of physics | v., n.13, pp.053033:1-053033:68  
- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO  
- Autor: CASTRO, NUNO
- 2011 Título: STUDY OF JET SHAPES IN INCLUSIVE JET PRODUCTION IN PP COLLISIONS AT  $\sqrt{S} = 7$  TEV USING THE ATLAS DETECTOR | Revista: Physical review. D, Particles, fields, gravitation, and cosmology | v., n., pp.052003:1-052003:29

- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO
- Autor: CASTRO , NUNO

2011 Título: LUMINOSITY DETERMINATION IN PP COLLISIONS AT  $\sqrt{S}=7$  TEV USING THE ATLAS DETECTOR AT THE LHC | Revista: European physical journal. C, Particles and fields (Print) | v., n.71, pp.1630:1-1630:37

- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO
- Autor: CASTRO , NUNO

2011 Título: SEARCH FOR SUPERSYMMETRY USING FINAL STATES WITH ONE LEPTON, JETS, AND MISSING TRANSVERSE MOMENTUM WITH THE ATLAS DETECTOR IN  $\sqrt{S} = 7$  TEV PP COLLISIONS | Revista: Physical review letters (Print) | v., n.106, pp.131802:1-131802:19

- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO
- Autor: CASTRO , NUNO

2011 Título: MEASUREMENTS OF UNDERLYING-EVENT PROPERTIES USING NEUTRAL AND CHARGED PARTICLES IN PP COLLISIONS AT 900 GEV AND 7 TEV WITH THE ATLAS DETECTOR AT THE LHC | Revista: European physical journal. C, Particles and fields (Print) | v., n.71, pp.1636:1-1636:24

- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO
- Autor: CASTRO , NUNO

2011 Título: PROBING THE TEVATRON T TBAR ASYMMETRY AT LHC | Revista: The Journal of high energy physics | v., n.1105, pp.034:1-034:19

- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO
- Autor: PÉREZ-VICTORIA MORENO DE BARREDA, MANUEL

2011 Título: SEARCH FOR NEW PHYSICS IN DIJET MASS AND ANGULAR DISTRIBUTIONS IN PP COLLISIONS AT  $\sqrt{S} = 7$  TEV MEASURED WITH THE ATLAS DETECTOR | Revista: New journal of physics | v., n.13, pp.053044:1-053044:44

- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO
- Autor: CASTRO , NUNO

2011 Título: NO LIKE-SIGN TOPS AT TEVATRON: CONSTRAINTS ON EXTENDED MODELS AND IMPLICATIONS FOR THE T TBAR ASYMMETRY | Revista: Physics letters. B (Print) | v., n.701, pp.93-100

- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO
- Autor: PÉREZ-VICTORIA MORENO DE BARREDA, MANUEL

2011 Título: PROPAGATION IN THE ATMOSPHERE OF ULTRAHIGH-ENERGY CHARMED HADRONS | Revista: Physical review. D, Particles, fields, gravitation, and cosmology | v.83, n., pp.034027-1-034027-6

- Autor: BARCELÓ AGUILAR, ROBERTO
- Autor: ILLANA CALERO, JOSÉ IGNACIO
- Autor: JENKINS SÁNCHEZ, MARK DAVID
- Autor: MASIP MELLADO, MANUEL

2011 Título: COSMIC MAGNETIC LENSES | Revista: Astronomy & astrophysics (Print) | v.527, n., pp.1-5

- Autor: BATTANER LOPEZ, EDUARDO
- Autor: MASIP MELLADO, MANUEL

2011 Título: THE IMPACT OF CHEMICAL DIFFERENTIATION OF WHITE DWARFS ON THERMONUCLEAR SUPERNOVAE | Revista: Astronomy & astrophysics (Print) | v.526, n., pp.26-34

- Autor: DOMINGUEZ AGUILERA, INMACULADA

2011 Título: Planck early results. XXV. Thermal dust in nearby molecular clouds | Revista: Astronomy and Astrophysics | v.536, n.25, pp.1-18

- Autor: BATTANER LOPEZ, EDUARDO

2011 Título: Planck early results. XXIV. Dust in the diffuse interstellar medium and the Galactic halo | Revista: Astronomy and Astrophysics | v.536, n.24, pp.1-30

- Autor: BATTANER LOPEZ, EDUARDO

2011 Título: Testing oceanic subduction and convective removal models for the Gibraltar arc: Seismological constraints from dispersion and anisotropy | Revista: Tectonophysics (Amsterdam) | v.502, n., pp.28-37

- Autor: MORALES SOTO, JOSE

2011 Título: MEASUREMENT OF THE INCLUSIVE ISOLATED PROMPT PHOTON CROSS SECTION IN PP COLLISIONS AT  $\sqrt{S} = 7$  TEV WITH THE ATLAS DETECTOR | Revista: Physical review. D, Particles, fields, gravitation, and cosmology | v., n.83, pp.052005:1-052005:31

- Autor: AGUILAR SAAVEDRA, JUAN ANTONIO
- Autor: CASTRO , NUNO

2011 Título: SEARCH FOR FIRST HARMONIC MODULATION IN THE RIGHT ASCENSION DISTRIBUTION OF COSMIC RAYS DETECTED AT THE PIERRE AUGER OBSERVATORY | Revista: Astroparticle physics (Print) | v.34, n., pp.627-639

- Autor: BUENO VILLAR, ANTONIO
- Autor: GARCÍA GÁMEZ, DIEGO
- Autor: GASCÓN BRAVO, ALBERTO
- Autor: GONZÁLEZ TABOADA, JAVIER

- Autor: LOZANO BAHILLO, JOSE JULIO
- Autor: NAVARRO QUIRANTE, JOSE LUIS
- Autor: NAVAS CONCHA, SERGIO
- Autor: ZAMORANO GARCÍA, BRUNO

2011 Título: SEISMICALLY-INDUCED LANDSLIDES IN THE BETIC CORDILLERA (S SPAIN) | Revista: Soil Dynamics and Earthquake Engineering | v.31, n., pp.1203-1211

- Autor: LOPEZ CASADO, CARLOS

2011 Título: TAU CUSTODIAN SEARCHES AT THE LHC | Revista: Physics letters. B (Print) | v.695, n.5, pp.449-453

- Autor: ÁGUILA GIMÉNEZ, FRANCISCO DEL
- Autor: CARMONA BERMÚDEZ, ADRIÁN
- Autor: SANTIAGO PÉREZ, JOSÉ

2011 Título: THE PIERRE AUGER OBSERVATORY SCALER MODE FOR THE STUDY OF SOLAR ACTIVITY MODULATION OF GALACTIC COSMIC RAYS | Revista: Journal of instrumentation | v.6, n.P01003, pp.01003-01003

- Autor: BUENO VILLAR, ANTONIO
- Autor: GARCÍA GÁMEZ, DIEGO
- Autor: GASCÓN BRAVO, ALBERTO
- Autor: GONZÁLEZ TABOADA, JAVIER
- Autor: LOZANO BAHILLO, JOSE JULIO
- Autor: NAVARRO QUIRANTE, JOSE LUIS
- Autor: NAVAS CONCHA, SERGIO
- Autor: ZAMORANO GARCÍA, BRUNO

2011 Título: Receiver function images of the base of the lithosphere in the Alboran Sea region | Revista: Geophysical Journal International | v.187, n.2, pp.1019-1026

- Autor: MARTIN LEON, ROSA MARÍA

2011 Título: Molecular gas around low-luminosity AGN in late-type spirals | Revista: Astronomy & Astrophysics, | v.534, n., pp.12-17

- Autor: LISENFELD, UTE

2011 Título: Planck early results. XXII. The submillimetre properties of a sample of Galactic cold clumps | Revista: Astronomy and Astrophysics | v.536, n., pp.1-24

- Autor: BATTANER LOPEZ, EDUARDO

2011 Título: Planck early results. XXIII. The first all-sky survey of Galactic cold clumps | Revista: Astronomy and Astrophysics | v.536, n.23, pp.1-33

- Autor: BATTANER LOPEZ, EDUARDO

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- Autor: LOPEZ CASADO, CARLOS

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- Autor: LOPEZ CASADO, CARLOS

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- Autor: DOMINGUEZ AGUILERA, INMACULADA

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- Autor: VERLEY, SIMON

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- Autor: DOMINGUEZ AGUILERA, INMACULADA

2011 Título: Tracing the Origin of Bars and Bulges through the Study of their Stellar and Ionised Gas Properties | Congreso: Tracing the Ancestry of Galaxies (on the land of our ancestors) | Lugar Congreso: OUAGADOUGOU, BURKINA FASO | Tipo Participación: Comunicación en congreso

- Autor: FLORIDO NAVIO, ESTRELLA

2011 Título: UN CATÁLOGO DE TERREMOTOS (856-2008) UNIFICADO Y POISSONIANO DEL NORTE DE ARGELIA | Congreso: 4º CONGRESO NACIONAL DE INGENIERÍA SÍSMICA | Lugar Congreso: GRANADA | Tipo Participación: Comunicación en congreso

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- Autor: VERLEY, SIMON

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- Autor: MARTIN LEON, ROSA MARÍA

- Autor: MORALES SOTO, JOSE

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- Autor: ALMENDROS GONZALEZ, FRANCISCO JAVIER

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- Autor: LÓPEZ COMINO, JOSÉ ÁNGEL

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- Investigador: HEDROSA NÚÑEZ-CASTELO, RUBÉN PEDRO

2011 Institución: MINISTERIO DE CIENCIA E INNOVACIÓN

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2011 Institución: School of Physics, University of Edinburgh

- Investigador: BASTERO GIL, MAR

2011 Institución: Universidad de Uppsala

- Investigador: ABIA LADRON DE GUEVARA, CARLOS ANTONIO

2011 Institución: UTAH STATE UNIVERSITY

- Investigador: GÁMIZ SÁNCHEZ, MARÍA ELVIRA

2011 Institución: WASHINGTON UNIVERSITY IN ST. LOUIS

- Investigador: GÁMIZ SÁNCHEZ, MARÍA ELVIRA