

**CURRICULUM VITAE<sup>1</sup>**  
**JOSEP M. PAREDES**

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- **Personal Details:**

Name: Josep M. Paredes Poy  
 Date and Place of Birth: January 24, 1954, Uldecona, Spain  
 Nationality: Spanish  
 Office: Dept. Astronomy and Meteorology (Faculty of Physics), University of Barcelona  
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- **Education:**

- Physics Graduate (Licenciado en Física), University of Barcelona (Spain), July 1978
- Master (Licenciado con grado) in Physics, University of Barcelona, November 1980
- Ph.D. in Physics, University of Barcelona, January 1987

- **Awards and Honors**

2007 Research correspondent member of CONICET (Argentina)  
 2000 City of Barcelona Award for scientific research  
 1987 Extraordinary Ph.D. Prize awarded by the University of Barcelona

- **Present Position:**

Full Professor of Astronomy and Astrophysics, University of Barcelona

- **Professional Positions**

1978–1979 Fellowship, INTA Esteban Terrades  
 1979–1983 High School Teacher (Mathematics and Physics)  
 1983–1987 Teaching Assistant, University of Barcelona  
 1987–1990 Associate Professor, University of Barcelona  
 1990–2010 Tenure Professor, University of Barcelona

- **Academic Responsibilities**

- Secretary of the Faculty of Physics (University of Barcelona) from June 1, 1990 to July 5, 1993
- Secretary of the Students Council of the Faculty of Physics (University of Barcelona) from June 1, 1990 to June 11, 1993
- Vice-Dean of the Faculty of Physics (University of Barcelona) from July 5, 1993 to September 20, 1996 and from November 28, 2003 to December 16, 2004
- Supervisor of the entrance examination for Physics students from 1991 to 2000
- Member of the Physics Council of the Faculty of Physics (University of Barcelona) from 1990 to 1996
- Elected Member of the Governing Council (Claustre) of the University of Barcelona in several periods (1993–1997 and 2002–2010)
- Tutor at the University of Barcelona, providing tutorial assistance to undergraduate students as well as to Master and PhD students.
- Secretary of the Institute of Cosmos Science, UB (May 2007 - December 2009)
- Head of Department of Astronomy and Meteorology, UB (Since December 2009)

- **Ph.D. Thesis Supervision**

- Josep Martí, Director of his Ph.D. (Physics) thesis: "Radio emitting X-ray binaries". University of Barcelona (Faculty of Physics). Approved with the highest mark (Apto cum laude by unanimity) in 1993

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<sup>1</sup>Last updated on 25 August 2010

- Marta Peracaula, Director of her Ph.D. (Physics) thesis: "The radio emitting X-ray binary systems LSI+61303 and Cygnus X-3". University of Barcelona (Faculty of Physics). Aproved with the highest mark (Apto cum laude by unanimity) in 1997
- Joan García-Sánchez, Director of his Ph.D. (Physics) thesis: "Close approaches of stars to the solar system based on Hipparcos data". (Co-director: P. Weissman, JPL). Aproved with the highest mark (Apto cum laude by unanimity) in 1999
- Marc Ribó, Director of his Ph.D. (Physics) thesis: "Discovery and study of the microquasar LS 5039 and a search for new microquasars". University of Barcelona (Faculty of Physics). Aproved with the highest mark (Apto cum laude by unanimity) in 2002
- Valentí Bosch-Ramon, Director of his Ph.D. (Physics) thesis: "High energy emission from galactic compact objects". University of Barcelona (Faculty of Physics). Aproved with the highest mark (Apto cum laude by unanimity) in 2006
- Pol Bordas, Director of his Ph.D. (Physics) thesis: "Microquasar jets and their interaction with the medium. Theoretical studies and observations with the MAGIC telescope". University of Barcelona (Faculty of Physics). Aproved with the highest mark (Apto cum laude by unanimity) in 2009

- **Membership of Scientific Organizing Committees**

- Radio Emission from the Stars and the Sun. July 3-7, 1995, Barcelona, Spain
- Workshop on Galactic Relativistic Jet Sources. September 11-13, 2000, Granada, Spain
- Workshop on Microquasars and their relation to other relativistic jet sources. May 27-June 1, 2002, Cargese, France
- High energy gamma-ray astronomy III Symposium. July 2004, Heidelberg, Germany
- The multi-messenger approach to high energy gamma-ray sources. July 4-7, 2006, Barcelona, Spain
- Primer Encuentro de la Radioastronomía Española. May 2006, Valencia, Spain
- The multi-messenger approach to high energy gamma-ray sources. July 2006, Barcelona, Spain
- VII Reunión Científica de la Sociedad Española de Astronomía. September 2006, Barcelona, Spain
- VI Microquasar Workshop: Microquasars and beyond. October 2006, Como, Italy
- High Energy Gamma Rays from Relativistic Outflows (HEPRO I). September 2007, Dublin, Ireland
- Supernovae: light in the darkness. XXIII Trobades científiques de la Mediterrània. September 2007, Maó, Menorca, Spain
- 4th Heidelberg International Symposium on High Energy Gamma Ray Astronomy. July 2008, Heidelberg, Germany
- 7th Microquasar Workshop, Microquasars and Beyond, September 2008, Foca, Izmir, Turkey
- High energy phenomena in massive stars. February 2009, Jaén, Spain
- The Galactic Plane - in Depth and Across the Spectrum Special Session SpS8 of the XXVII IAU General Assembly. August 2009, Rio de Janeiro, Brasil
- High energy phenomena in relativistic outflows (HEPRO II). October 2009, Buenos Aires, Argentina
- IAU Symposium 275: Jets at all Scales. September 2009, Buenos Aires, Argentina
- XXXVIII International Meeting on Fundamental Physics, IMFP2010. New trends in high energy physics, LHC, astroparticle physics and cosmology. February 2010, La Palma, Tenerife, Spain
- 25th Texas Symposium on Relativistic Astrophysics (Texas in Heidelberg). December 2010, Heidelberg, Germany
- Steady jets and transient jets. Characteristics and relationship. April 2010, Bonn, Germany

- **Membership of Scientist Societies**

- International Astronomical Union (IAU) (1988)
- IAU Commission 40, Radio Astronomy (1988)
- European Astronomical Society. Founding Member (1990)
- Catalan Society of Physics, Institut d'Estudis Catalans (1991)
- Spanish Astronomical Society (SEA), Sociedad Española de Astronomía (1993)

- **Membership of International Scientific Collaborations**

- Active member of the MAGIC (Major Atmospheric Gamma-ray Imaging Cherenkov) Collaboration since February 2006. IP of the University Barcelona group. Representative of the UB at the Collaboration Board
- Active member of the CTA (Cherenkov Telescope Array) Consortium since 2007. IP of the University Barcelona group. Representative of the UB at the CTA Consortium Board

- **Research interests**

- X-ray binaries
- Microquasars

- High Energy Astrophysics

• **Astronomical Observations**

Experience in the use of large astronomical equipments:

- Radio: DSN-63 INTA-NASA 70m antenna (Madrid), VLA, WSRT, GMRT, VLBI (EVN, MERLIN, VLBA), HALCA (VSOP), IRAM
- Optical: Calar Alto telescopes, IAC Roque de los Muchachos telescopes
- X-ray: RXTE, BeppoSAX, XMM-Newton, Chandra
- Gamma-ray: CGRO, AGILE, MAGIC

• **Editor**

A.R. Taylor, J.M. Paredes

Radio Emission from the Stars and the Sun

Astronomical Society of the Pacific Conference Series, Volume 93 (1996)

A. J. Castro-Tirado, J. Greiner, J.M. Paredes

Microquasars

Third Microquasar Workshop, Astrophysics and Space Science Reviews, Kluwer Academic Publishers (2001)

Paredes, J.M.; Reimer, O.; Torres, D.E.

The Multi-Messenger Approach to High-Energy Gamma-Ray Sources

Astrophysics and Space Science Series Reprinted from Astrophysics and Space Science, Vol. 309, Nos. 1-4. Berlin: Springer (2008)

Aharonian, F.; Rieger, F.; Paredes, JM.; Romero, G. E.

High Energy Phenomena in Relativistic Outflows

International Journal of Modern Physics D (IJMPD) Volume: 17, Issue: 9 and 10, World Scientific Publishing Co (2008)

• **Publications** (see attached publications list)

- More than 271 publications, being 170 of them papers published in international peer-reviewed journals
- Five reviews
- Twenty nine papers published in national journals (seven of them are popular science articles)

• **Invited Talks in International Meetings**

- 8th Working Meeting on European VLBI for Geodesy and Astrometry, Dwingeloo, The Netherlands, June 1991.
- Multifrequency behaviour of high energy cosmic sources, Frascati Workshop 1997, Vulcano, Italy, May 12-17, 1997.
- Multifrequency behaviour of high energy cosmic sources, Frascati Workshop 1999, Vulcano, Italy, May 24-29, 1999.
- A high energy workshop at the INAOE, Tonantzintla, Mexico, October 2000.
- Multifrequency behaviour of high energy cosmic sources, Frascati Workshop 2001, Vulcano, Italy, May 21-26, 2001.
- X-ray and Gamma-Ray Astrophysics of Galactic Sources, 4th AGILE Science Workshop, Roma, Italy, June 11-13, 2003
- Jornada de presentación de proyectos del Plan Nacional de Astronomía y Astrofísica (PNAYA), Madrid, Spain, 11 July 2003
- Radio Astronomy at 70: from Karl Jansky to microjansky, JENAM-2003 Symposium, Budapest, Hungary, 27-30 August 2003 (Invited Review)
- Science with 5@5, Ringberg-2003 Symposium, Ringberg, Germany, 9-14 November 2003
- Microquasars and related astrophysics, The fifth microquasar workshop, Tsinghua University, Beijing, China, May 18-24, 2004 (Invited Review)
- From X-ray binaries to quasars: black hole accretion on all mass scales, Amsterdam, Holland, July 13-15, 2004
- High energy gamma-ray astronomy III Symposium, Heidelberg, Germany, July 26-30, 2004 (Invited review)
- Miniworkshop on Supernova Remnants and Microquasars, IFAE, Bellaterra (Barcelona), November 2-3, 2004 (Invited review)
- MAGIC Collaboration Scientific Meeting, University von Humboldt, Berlin, Germany, February 2005
- Frontier objects in astrophysics and particle physics, Frascati Workshop 2006, Vulcano, Italy, May 2006 (Invited review)

- Challenges of Relativistic Jets, Cracow, Poland, June 2006
- Locating PeV Cosmic-Ray Accelerators: Future Detectors in Multi-TeV Gamma-Ray Astronomy, Adelaide, Australia, December 2006 (Invited review)
- EAS symposia High Energy Astrophysics: the KeV-TeV connection, JENAM 2007, Yerevan, Armenia, June 2007
- High Energy Phenomena in Relativistic Outflows (HEPRO I), Dublin, Ireland, September 2007
- 5th Science AGILE Workshop AGILEs first year of gamma-ray astrophysics, ESRIN, Frascati, Roma, Italy, June 2008
- Gamma-2008 Heidelberg International Symposium on High Energy Gamma-Ray Astronomy, Heidelberg, Germany, July 2008
- 37th COSPAR Scientific Assembly Montreal, Canada , 13-20 July 2008 Scientific Event E12 High-Energy Acceleration Processes in Supernova Remnants, PWNe, MicroBlazars and Binaries: the keV to TeV Connection
- The Low-Frequency Radio Universe, Pune, India, December 2008
- Workshop on Innovative Concepts - A Bridge to Space ESA-ESTEC. Advanced Concepts Team (ACT) of ESA, Noordwijk, The Netherlands, 2008
- 6th Science AGILE Workshop, Milano, Italy, April 2009
- CTA meeting, WP-PHYS pre-meeting, Cracow, Poland, 11 May 2009
- Frascati Workshop 2009- Silver Jubilee Multifrequency behaviour of high energy cosmic sources, May 25-30, 2009, Vulcano, Italy (Invited review)
- Twelfth Marcel Grossmann Meeting on General Relativity, Paris July 12-19, 2009, session 'Theory and Observations of black holes: from Quasars to Nano-Quasars
- 7th Agile Meeting & The Bright Gamma-Ray Sky September 29-30, October 1, 2009 ESRIN Headquarters, Frascati (Roma)
- A Science Workshop to Celebrate SEVEN YEARS OF INTEGRAL: The Extreme sky: Sampling the Universe above 10 keV. 13th - 17th October 2009 Otranto (Lecce) Italy, Castello Aragonese
- Steady Jets and Transient Jets. Characteristics and Relationship, Bonn, Germany, April 2010
- Frontier objects in astrophysics and particle physics. Vulcano Workshop 2010 (Invited review)
- 8th Workshop on Science with the New Generation of High Energy Gamma-ray Experiments , SciNeGHE 2010, Trieste, Italy, September 2010
- High energy view of accreting objects: AGN and X-ray binaries, Creta, Greece, October 2010

#### • Invited Seminars

- Radio emission from X-ray binaries. Osservatorio Astronomico di Arcetri, Arcetri (Italy) 1992
- ALMA: Radio Astronomy in the new millenium. July UB Summer University, Universitat de Barcelona, Barcelona (Spain) 07/21/2000
- LS 5039: un nuevo microcuásar con emisión gamma de alta energía. Instituto de Astronomía de la UNAM, Morelia (Mexico) 10/6/2000
- Microquàsars i fonts gamma no identificades: una possible connexió. Institut d'Estudis Espacials de Catalunya, IEEC-CSIC, Barcelona (Spain) 11/6/2000
- Microquàsars: la versió galàctica dels objectes més potents i fascinants. Facultat de Ciències, Universitat Autònoma de Barcelona, UAB, Bellaterra, Barcelona (Spain) 01/17/2001
- Microquàsars a la nostra Galàxia: uns sistemes estel.lars extraordinaris. Facultat de Física, Universitat de Barcelona, Barcelona (Spain) 02/21/2001
- Com es troba un microquàsar. Jornades Científiques-Biblioteca Municipal de Lliçà de Vall, Lliçà de Vall, Barcelona (Spain) 07/13/2001
- Avances recientes en el estudio de microcuásares. Instituto Argentino de Radioastronomía, Villa Elisa, Buenos Aires (Argentina) 09/13/2001
- Nuestro conocimiento de los microcuásares. Observatorio Astronómico, La Plata, Buenos Aires (Argentina) 09/14/2001
- Microquàsars. Jornada Científica de presentació del Centre Especial de Recerca, Facultat de Física, Universitat de Barcelona, Barcelona (Spain) 05/8/2001
- Què observem quan mirem el cel. Primary school students, C.P. Jaume I (Pràctiques I), Barcelona (Spain) 05/23/2002
- Ricardo Giacconi: una nova finestra a l'Univers. Nobel Prize Conference Facultat de Física, Universitat de Barcelona, Barcelona (Spain) 10/16/2002
- High energy emission from microquasars. Institut de Física d'Altes Energies (IFAE), Univ. Autònoma de Barcelona, Bellaterra, Barcelona (Spain) 04/02/2004
- Microquasars as gamma-ray sources. Seminario FT/UB Facultat de Física, Universitat de Barcelona, Barcelona (Spain) 3/5/2004
- A general view of microquasars. Universidad Nacional de La Plata, La Plata, Buenos Aires (Argentina) 14/12/2004
- El firmamento de altas energías. Ciclo de conferencias: caminos actuales en la Física, Universidad de Jaén, Jaén (Spain) 06/05/2005

- Modeling the gamma-ray emission from microquasars. Seminaire régulier du Service d'Astrophysique, CEA Saclay, Paris (France) 12/05/2005
- Microcuásars como generadores de rayos gamma. Cycle of Popular conferences, University of Alicante, Alicante (Spain) 30/03/2006
- L'Univers invisible. Cycle of Popular conferences on Astrophysics. Institut d'Estudis Ilerdencs/Universitat de Lleida, Lleida (Spain) 22/03/2007
- Search of radio counterparts of high energy and very-high energy gamma-ray sources Astronomy&Instrumentation Seminar. National Centre for Radio Astrophysics. Tata Institute of Fundamental Research, Pune (India) 26/07/2007
- Radio counterparts in the field of unidentified gamma-ray sources Multi-wavelength study of unidentified very high energy gamma-ray sources: Finding the cosmic accelerators. ISSI Team, Bern (Switzerland) 13/12/2007
- Black holes in the Galaxy E.S.O. Lectures (ESO Visiting Scientist at ESO/Vitacura), Santiago de Chile (Chile) 16/10/2008
- L'Univers invisible Jornades culturals. Centre d'Estudis d'Uldecona, Uldecona (Spain) 06/06/2009
- Els microquásars: fonts galàctiques de raigs gamma Cycle of conferences Astronomia Made in Spain. Faculty of Physics, University of Barcelona, Barcelona (Spain) 16/11/2009
- Conèixer el Univers a través de les partícules extraterrestres: les astropartícules LHC cycle of conferences Museum of Science and Technique of Catalonia, Terrassa (Spain) 29/11/2009
- Partícules que ens arriben de l'espai: els raigs còsmics El CERN a través de los ojos de Peter Ginter: la visión de un poeta. Museu de Ciències Natural de Barcelona (Parc Ciutadella), Barcelona (Spain) 28/01/2010
- L'Univers invisible Secondary School, IES Sales i Ferré, Uldecona (Spain) 21/04/2010

#### • Peer Reviews for International Journals

- Nature
- Astrophysical Journal
- Astrophysical Journal Letters
- Astronomy and Astrophysics
- Astronomical Journal
- Monthly Notices Royal Astronomical Society
- Astrophysics and Space Science Journal
- Astrophysics Space Science Review
- New Astronomy
- Advances in Space Research
- Chinese Journal of Astronomy and Astrophysics
- Brazilian Journal of Physics
- Publications of the Astronomical Society of Australia
- Review for Springer-Verlag of the book "The Universe in Gamma-rays" (2001)

#### • Research Projects Referee

- Particle Physics and Astronomy Research Council (UK) (1997).
- "Rapporteur" named by the Université de Paris XI for the evaluation of the Ph.D. thesis of Sylvain Chaty, defended September 1998.
- Natural Sciences and Engineering Research Council of Canada (1999).
- Spanish National Agency of Evaluation and Prospectives (ANEP) administered by the Ministry of Science and Technology (2000, 2005, 2006, 2007, 2008, 2009)
- Research Projects of Complejo Astronómico El Leoncito (Argentina) (October 2001)
- Member of the Evaluation Panel for Science and Technology Fellowships under the EU Programme "Confirming the International Role of Community Research", FP6-2004-Mobility-7 (April 2002)
- External CAT evaluator of Instituto Astrofísico de Canarias (IAC)
- Royal Society (UK) (January 2004)
- Italian Space Agency (ASI) (2007, 2008, 2009)
- FONCyT, Agencia Nacional de Promoción Científica y Tecnológica. Ministerio de Educación, Ciencia y Tecnología (Argentina) (2008, 2009)
- Netherlands Organisation for Scientific Research (NOW) (2008)
- Georgia National Science Foundation (GNSF)
- Member (and rapporteur) of the Evaluation Panel Integrating Activities (Analytical facilities and Physics) under the Programme FP7 Capacities Work Programme: Infrastructures (INFRA-2010-1) (18/12/2009 - 12/02/2010), Brussels 8-12 February 2010

#### • Human Resources Evaluator

- Liverpool John Moores University (2000)

- University of Bonn (2005)
- Dublin Institute for Advanced Studies (2005)
- Max Planck Institute for Nuclear Physics, Heidelberg (2006)
- INSF (2007)
- Princeton University (2007)
- Purdue University (2008)
- National Centre for Radio Astrophysics, Tata Institute of Fundamental Research (Pune, India) (2008)

- **Activities as Evaluator of Ph.D. Thesis**

- Modelos de curva de luz de Supernova de tipo Ia, by Immaculada Domínguez (Director J. Isern). Universitat de Barcelona, Barcelona, June 1991
- Estudi de l'estructura del núvol d'Oort de cometes, by Trini Cadefau (Director A. Català). Universitat de Barcelona, Barcelona, October 1994
- Masas, radios y temperaturas al final de la Secuencia Principal, by Rosa Clement (Director V. Reglero). Universitat de València, Valencia, June 1995
- Models and astrophysical parameters of high-mass X-ray binaries, by Pau Reig (Director J. Fabregat). Universitat de València, Valencia, March 1996
- The emission of the ammonia and the formyl ion in molecular outflows, by José Miguel Girart (Director R. Estalella). Universitat de Barcelona, Barcelona, September 1997
- Astrometría diferencial de precisión con VLBI en el triángulo de Draco (y estudios de SN1993J), by Eduardo Ros (Director J. Marcaide). Universitat de València, Valencia, November 1997
- Etude multi-longueur d'onde du microquasar GRS 1915+105 et de sources binaires de haute énergie de la Galaxie, by Sylvain Chaty (Director I.F. Mirabel). Université Paris Sud (XI), Paris, September 1998
- Algunes aplicacions de les Wavelets al procés de dades en Astronomia i Teledetecció, by Xavier Otazu (Director J. Núñez). Universitat de Barcelona, Barcelona, September 2001
- Variability and evolution of accretion discs in transient X-ray binaries, by Cristina Zurita (Director J. Casares and P.A. Charles). Universidad de La Laguna, La Laguna, November 2002
- Multi-wavelength observations of galactic X-ray transients: a study from outburst to quiescence, by Celia Sánchez-Fernández (Director A. Giménez and A.J. Castro-Tirado). Universidad Autónoma de Madrid, Madrid, April 2003 (President of the Jury. Ph.D. Thesis)
- X-ray Emission from Classical Novae, by Gloria Sala Cladellas (Director M. Hernanz). Universitat de Barcelona, Barcelona, September 22, 2004
- Precessing microblazars and unidentified gamma-ray sources, by Marina Kaufman Bernadó (Director Gustavo E. Romero). Universidad de Buenos Aires (Argentina), December 15, 2004
- The impact of multifrequency observations in high energy astrophysics, by Franco Giovannelli (Director Jordi Isern). Universitat de Barcelona, Barcelona, July 8, 2005
- V.H.E. Gamma Rays From Microquasars., by Ian J. Latham (Director Paula Chasdwick). University of Durham (UK), 2005
- X-ray spectroscopy of distant Active Galaxies with the XMM-Newton observatory, by Silvia Mateos Ibáñez (Director Xavier Barcons). Universidad de Cantabria, Santander, 2006
- Gamma-ray emission from regions of star formation: theory and observations with the MAGIC telescope, by Eva Domingo Santamaría (Director Diego Torres and Juan Cortina). Universitat Autònoma de Barcelona, Barcelona, 2006
- New observational techniques and analysis tools for wide field CCD surveys and high resolution astrometry, by Octavi Fors (Director Jorge Núñez), Universitat de Barcelona, Barcelona, 2006
- Radiación gamma en binarias con acreción by Mariana D. Orellana (Director Gustavo E. Romero), Universidad Nacional de la Plata, La Plata (Argentina), 2007
- Discovery and characterization of the binary system LSI+61303 in very high energy gamma-rays with MAGIC, by Núria Sidro Martín (Director Juan Cortina). Universitat Autònoma de Barcelona, Barcelona, 2008
- INTEGRAL spectroscopy of black hole transients and multi-wavelength study of a new accreting binary system, by María Dolores Caballero García (Director Mas Hesse). Universitat de Barcelona, Barcelona, 2008
- Expansión de SN1993J y astrometría global de alta precisión, by Iván Martí Vidal (Director Jon Marcaide). Universitat de València, València, 2008
- Estudios multibanda de binarias de rayos X de gran masa, by Elisa Nespoli (Director Juan Fabregat and Pau Reig). Universitat de València, València, 2010

- **Participation in Research Projects**

- Since 1981 I have been involved in 29 research projects sponsored by different Spanish public agencies, being the PI

of five of them since 1995. The current project is:

- Project Title: Observational and theoretical studies of high energy galactic sources from the radio to the VHE gamma-ray

Sponsoring Agency: Dirección General de Investigación under the National Program of Astronomy and Astrophysics.  
P.I.: Dr. J.M. Paredes (University of Barcelona)

Period of Performance: 2007-2010

- **Participation in Committees**

- Member of the Spanish Committee for the study of the viability of the Spanish participation in the project Millimeter Array of the National Radio Astronomy Observatory (NRAO, USA) (1995-2000)

- Member of the Spanish Committee to support the Spanish participation in ALMA (2000)

- Member of the Committee of the Spanish Astronomical Society for the evaluation of the state of art of the Astronomy and Astrophysics in Spain (2001-2002)

- Member of the Scientist Committee of the Spanish Astronomical Society (2005-2007)

- IAC (Instituto de Astrofísica de Canarias) Observatories Peer Review Panel. Chair of Galaxies and Stars Panel (GAES) (2006-2008)

- NRAO (National Radio Astronomy Observatory, USA) Peer Review Panel (2007-2008)

• Refereed articles

- Aleksić, J., and 153 colleagues 2010. MAGIC observation of the GRB 080430 afterglow. *Astronomy and Astrophysics* 517, A5.
- Zabalza, V., Paredes, J. M. 2010. X-ray and gamma-ray observations of MGRO J2019+37. *International Journal of Modern Physics D* 17, 811.
- Aleksić, J., and 162 colleagues 2010. Simultaneous multi-frequency observation of the unknown redshift blazar PG 1553+113 in March-April 2008. *Astronomy and Astrophysics* 515, A76.
- Anderhub, H., and 147 colleagues 2010. Search for Very High Energy Gamma-ray Emission from Pulsar-Pulsar Wind Nebula Systems with the MAGIC Telescope. *The Astrophysical Journal* 710, 828-835.
- Aleksić, J., and 154 colleagues 2010. MAGIC Gamma-ray Telescope Observation of the Perseus Cluster of Galaxies: Implications for Cosmic Rays, Dark Matter, and NGC 1275. *The Astrophysical Journal* 710, 634-647.
- Bosch-Ramon, V., Romero, G. E., Araudo, A. T., Paredes, J. M. 2010. Massive protostars as gamma-ray sources. *Astronomy and Astrophysics* 511, A8.
- Zabalza, V., Paredes, J. M. 2010. X-Ray and Gamma-Ray Observations of the Inner Region of Mgro J2019+37. *International Journal of Modern Physics D* 19, 811-817.
- Bordas, P., Bosch-Ramon, V., Paredes, J. M. 2010. Gamma-Rays from SS 433 and its Interaction with the W50 Nebula. *International Journal of Modern Physics D* 19, 749-755.
- Anderhub, H., and 155 colleagues 2009. Correlated X-Ray and Very High Energy Emission in the Gamma-Ray Binary LS I +61 303. *The Astrophysical Journal* 706, L27-L32.
- Anderhub, H., and 149 colleagues 2009. Simultaneous Multiwavelength Observation of Mkn 501 in a Low State in 2006. *The Astrophysical Journal* 705, 1624-1631.
- Paredes, J. M., and 12 colleagues 2009. Radio continuum and near-infrared study of the  $\gamma$ ASTROBJ<sub>i</sub>MGRO J2019+37 $\gamma$ /ASTROBJ<sub>i</sub> region. *Astronomy and Astrophysics* 507, 241-250.
- Seta, H., and 155 colleagues 2009. Suzaku and Multi-Wavelength Observations of OJ 287 during the Periodic Optical Outburst in 2007. *Publications of the Astronomical Society of Japan* 61, 1011.
- Anderhub, H., and 149 colleagues 2009. Discovery of very High Energy  $\gamma$ -Rays from the Blazar S5 0716+714. *The Astrophysical Journal* 704, L129-L133.
- Acciari, V. A., and 228 colleagues 2009. Simultaneous Multiwavelength Observations of Markarian 421 During Outburst. *The Astrophysical Journal* 703, 169-178.
- Anderhub, H., and 143 colleagues 2009. Search for VHE  $\gamma$ -ray Emission from the Globular Cluster M13 with the Magic Telescope. *The Astrophysical Journal* 702, 266-269.
- Acciari, V. A., and 392 colleagues 2009. Radio Imaging of the Very-High-Energy  $\gamma$ -Ray Emission Region in the Central Engine of a Radio Galaxy. *Science* 325, 444.
- Paredes, J. M., Giacosa, R. E., Heredia, N. 2009. Sedimentary evolution of Neogene continental deposits (Ñirihuaú Formation) along the Ñirihuaú River, North Patagonian Andes of Argentina. *Journal of South American Earth Sciences* 28, 74-88.
- Aliu, E., and 143 colleagues 2009. Upper Limits on the VHE Gamma-Ray Emission from the Willman 1 Satellite Galaxy with the Magic Telescope. *The Astrophysical Journal* 697, 1299-1304.
- Anderhub, H., and 148 colleagues 2009. MAGIC upper limits to the VHE gamma-ray flux of 3C 454.3 in high emission state. *Astronomy and Astrophysics* 498, 83-87.
- Muñoz-Arjonilla, A. J., Martí, J., Combi, J. A., Luque-Escamilla, P., Sánchez-Sutil, J. R., Zabalza, V., Paredes, J. M. 2009. Candidate counterparts to the soft gamma-ray flare in the direction of LS I +61 303. *Astronomy and Astrophysics* 497, 457-461.
- Bordas, P., Bosch-Ramon, V., Paredes, J. M., Perucho, M. 2009. Non-thermal emission from microquasar/ISM interaction. *Astronomy and Astrophysics* 497, 325-334.
- Albert, J., and 147 colleagues 2009. Periodic Very High Energy  $\gamma$ -Ray Emission from LS I +61deg303 Observed with the MAGIC Telescope. *The Astrophysical Journal* 693, 303-310.
- Aliu, E., and 147 colleagues 2009. Discovery of a Very High Energy Gamma-Ray Signal from the 3C 66A/B Region. *The Astrophysical Journal* 692, L29-L33.

- Donnarumma, I., and 294 colleagues 2009. The June 2008 Flare of Markarian 421 from Optical to TeV Energies. *The Astrophysical Journal* 691, L13-L19.
- Aliu, E., and 146 colleagues 2009. Improving the performance of the single-dish Cherenkov telescope MAGIC through the use of signal timing. *Astroparticle Physics* 30, 293-305.
- Aliu, E., and 148 colleagues 2008. Observation of Pulsed  $\gamma$ -Rays Above 25 GeV from the Crab Pulsar with MAGIC. *Science* 322, 1221.
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