

PUBLICACIONES EN REVISTAS INTERNACIONALES CON ÁRBITRO

(Publications in Refereed International Journals)

2009 – PI

- Teórico (01) **Asensio-Ramos A.** (2009) “The magnetic sensitivity of the Stokes I profile of the 15260 Å line” *Ap. J.*, **690**, 416.
- Teórico (02) Cardona O., Simonneau E., **Crivellari L.** (2009) “Method for calculating the opacity of the atomic lines in stellar atmospheres” *Ap. J.*, **690**, 1378.
- MAGIC+VERITAS+AGILE+SWIFT+RXTE+GASP-WEBT (03) Donnarumma I. et al. (Incluye **Becerra-González J., Costado M.T., Delgado-Méndez C., García-López R.J., Gaug M., Herrero A.**) (2009) “The June 2008 Flare of Markarian 421 from optical to TeV energies” *Ap. J. Lett.*, **691**, L13.
- STAREF+IAC80 (04) Sozzetti A. et al. (Incluye **Rabus M., Belmonte J.A., Deeg H.J.**) (2009) “A new spectroscopic and photometric analysis of the transiting Planet Systems TrES-3 and TrES-4” *Ap. J.*, **691**, 1145.
- NOT (05) Mosquera A.M., Muñoz J.A., **Mediavilla E.** (2009) “Detection of chromatic microlensing in Q 2237+0305 A” *Ap. J.*, **691**, 1292.
- 3.5 CAHA (06) Benítez N. et al. (Incluye **Aguerre J.A.L., Cepa J.**) (2009) “Optimal filter systems for photometric redshift estimation” *Ap. J. Lett.*, **692**, L5.
- MAGIC (07) Aliu E. et al. (Incluye **Becerra-González J., Costado M.T., Delgado-Méndez C., García-López R.J., Gaug M., Herrero A.**) (2009) “Discovery of a very high energy Gamma-ray signal from the 3C 66A/B Region” *Ap. J. Lett.*, **692**, L29.
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- VTT (12) **Centeno R., Collados M., Trujillo-Bueno J.** (2009) “Wave propagation and shock formation in different magnetic structures” *Ap. J.*, **692**, 1211.
- UKIRT+SDSS+Gemini/GMOS-N (13) **Lodieu N.**, Leggett S.K., Bergeron P., Nitta A. (2009) “Cool White Dwarfs identified in the second data release of the UKIRT Infrared Deep Sky Survey” *Ap. J.*, **692**, 1506.
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- Teórico (20) **Trujillo-Bueno J.,** Shchukina N. (2009) “Three-dimensional radiative transfer modeling of the polarization of the Sun’s continuous spectrum” Ap. J., **694**, 1364.
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- Hubble (27) Iannicola G., **Monelli M.** et al. (2009) “On the Radial Distribution of Horizontal Branch Stars in NGC 2808” Ap. J. Lett., **696**, L120.
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- (17) **Trujillo-Bueno J.** (2009) "Spectropolarimetric investigations of the magnetization of the quiet-Sun chromosphere" en "25th NSO Chromospheric Structure and Dynamics: From Old Wisdom to New Insights" 1-4 Septiembre, New Mexico, EEUU. Mem. SAIt, **81**, 681 (2010).
- (18) **Corradi R.L.M.** (2009) "The relevance of Planetary Nebulae in modern Astrophysics" en "52a Reunión Anual de la Asociación Argentina de Astronomía" 21-24 Septiembre, La Plata, Argentina.
- (19) **Belmonte J.A.** (2009) "Lightening the temples: A story of discovery on Egyptians archaeoastronomy" en "SEAC'2009: From Alexandria to Al-Iskandariya, astronomy and culture in the ancient Mediterranean and beyond" 25-31 Octubre, Alejandría, Egipto. B.A.R. (En Prensa).
- (20) **Socas-Navarro H.** (2009) "Observations of photospheric-chromospheric magnetic coupling" en "3rd Solaire Network Meeting and FLUX Emergence Workshop 2009" 2-6 Noviembre, Puerto de La Cruz, Tenerife.
- (21) **Trujillo-Bueno J.** (2009) "Spectropolarimetric investigations of the magnetization of the quiet sun chromosphere" en "3rd Solaire Network Meeting and FLUX Emergence Workshop 2009" 2-6 Noviembre, Puerto de La Cruz, Tenerife.
- (22) **Martínez-Pillet V.** (2009) "SUNRISE: the mission, the flight (June 2009) and first results" en "3rd Solaire Network Meeting and FLUX Emergence Workshop 2009" 2-6 Noviembre, Puerto de La Cruz, Tenerife.
- (23) **Israelian G.** (2009) "Lithium in stars with exoplanets" en "IAU Symp. 268: Light Elements in the Universe" 9-13 Noviembre, Ginebra, Suiza. IAUS **268**, 285 (2010).
- (24) **Peimbert M., Carigi L., Luridiana V.** (2009) "Measurements of 4He in Metal-Poor Extragalactic HII Regions: the Primordial Helium Abundance and the Delta Y / Delta O Ratio" en "IAU Symp. 268: Light Elements in the Universe" 9-13 Noviembre, Ginebra, Suiza.

LIBROS Y CAPÍTULOS DE LIBROS (Books & Book Chapters, Conference Proceedings included)

2009 - L

- (01) *"The Sun Recorded through History: Scientific Data Extracted from Historical Documents"*. Eds. J.M. Vaquero, M. Vázquez. Astrophysics and Space Science Library, **361** (2009).
- (02) *"Cosmic Magnetic Fields: from Planets, to Stars and Galaxies"*. Eds. Strassmeier K.G., Kosovichev A.G., Beckman J.E. Cambridge University Press (ISBN 978-0-521-88990-2). (2009).
- (03) *"Cosmology across Cultures"* Eds. Rubiño-Martín J.A., Belmonte J.A., Prada F., Alberdi ASP Conf. Ser. **409** (2009).
- (04) "In Search of Cosmic Order: selected essays on Egyptian Archaeoastronomy". Eds. Belmonte J.A., Shaltout M. Supreme Council of Antiquities Press, El Cairo (2009).
- (05) Reyes M., Sodnik Z., Comerón A. (2009) "Optical ground station: Requirements and design, bidireccional link model and performance". Ed. H. Hemmati. Near-Earth Laser Communications, pg 271.
- (06) Shaltout M., Belmonte J.A. (2009) "Introduction: under ancient Egyptian skies". Search of Cosmic Order: selected essays on Egyptian Archaeoastronomy, p. 11. Ed. Supreme Council of Antiquities Press, El Cairo.
- (07) Belmonte J.A. (2009) "The Egyptian calendar: keeping Ma'at on Earth". Search of Cosmic Order: selected essays on Egyptian Archaeoastronomy, p. 75. Ed. Supreme Council of Antiquities Press, El Cairo.
- (08) Lull J., Belmonte J.A. (2009) "The constellations of ancient Egypt". Search of Cosmic Order: selected essays on Egyptian Archaeoastronomy, p. 155. Ed. Supreme Council of Antiquities Press, El Cairo.
- (09) Belmonte J.A., Molinero Polo M., Miranda N. (2009) "Unveiling Shesat: new insights into the Stretching of the cord ceremony". Search of Cosmic Order: selected essays on Egyptian Archaeoastronomy, p. 195 (2009). Ed. Supreme Council of Antiquities Press, El Cairo.
- (10) Belmonte J.A., Shaltout M., Fekri M. (2009) "Astronomy, landscape and symbolism: a study of the orientation of ancient Egyptian temples". Search of Cosmic Order: selected essays on Egyptian Archaeoastronomy, p. 213 (2009). Ed. Supreme Council of Antiquities Press, El Cairo.
- (11) González García A.C., Belmonte J.A., Shaltout M. (2009) "The orientation of royal tombs in ancient Egypt". Search of Cosmic Order: selected essays on Egyptian Archaeoastronomy, p. 285 (2009). Ed. Supreme Council of Antiquities Press, El Cairo.
- (12) Magli G., Belmonte J.A. (2009) "Pyramids and stars: facts, comjectures and starry tales". Search of Cosmic Order: selected essays on Egyptian Archaeoastronomy, p. 305 (2009). Ed. Supreme Council of Antiquities Press, El Cairo.
- (13) Esteban C. (2009) "El gran silencio. La paradoja de Fermi y las visitas ET en el pasaso" Vida en el Universo. Del mito a la ciencia. Fundación Anomalía. Santander.
- (14) Muñoz-Tuñón C., Tenorio-Tagle G. (2009) "Estallidos de Formacion de Estrellas y la Fisica de Supervientos Galácticos". Rev. Española de Fisica - Vol. Monografico.

COMUNICACIONES A CONGRESOS INTERNACIONALES (Contributions delivered at International Meetings)

2009 - CI

“215th AAS Meeting” 3-7 Enero, Washington, EEUU.

- (01) Comerón S. et al. (2009) “(Incluye Beckman J.E., Knapen J.m, Martínez-Valpuesta I.) “AINUR (Atlas of images of nuclear rings)” (CO). Bulletin of the American Astronomical Society, **42**, 592 (2010).

“213th AAS Meeting”, 4-8 Enero, Long Beach, EEUU

- (02) Ascaso B., Aguerri J.A.L., Moles M. (2009) “The Bright Galaxy Population of Five Medium Redshift Clusters. Quantitative Morphology” (P). BAAS, **41**, 340.
- (03) Paust N., Reid I.N., Aparicio A., King I., Piotto G. (2009) “Global Globular Cluster Mass Function” BAAS, **41**, 321.

“HGSFP Winter School 2008/09” 6-11 Enero, Obergurgl, Austria.

- (04) Rodler F. (2009) “An introduction into exoplanets” (CO).

“2nd Solaire Network Meeting” 12-15 Enero, Catania, Italia.

- (05) Moreno-Insertis F., Tortosa-Abreu A. (2009) “Multi-Dimensional Radiative Magnetic Flux Emergence Simulations” (CO).
- (06) Lagerfjärd A., Nordlund A., Stein R.F., Moreno-Insertis F. (2009) “MHD flux emergence simulations through a convecting layer” (CO).
- (07) Fabbian D. (2009) “Spectral lines: understanding their formation as a tool to explore a star” (CO).
- (08) Márquez I., Bonet J.A., Sánchez-Almeida J., Cabello I., Domingo V. (2009) “Vortex Flows induced by convection downdrafts” (P).
- (09) Moreno-Insertis F. (2009) “The Solaire Network: presentation by the network coordinator” (CO)

“Opening Ceremony of the International Year of the Astronomy” 15 Enero, París, Francia.

- (10) Belmonte J.A. (2009) “The first astronomers: Astronomy over four millennia” (CO).

“IAU Symp. 260: The Role of Astronomy in Society and Culture” 19-23 Enero, París, Francia.

- (11) del Puerto C. (2009) “An ear tuned “THE COSMOS”: 50 projects to discover the Universe in the Canary Islands” (CO).
- (12) Beckman J.E. (2009) “Bringing astronomy to the people: the “Jornadas Astronómicas de Almería” (CO).

- (13) Ruiz-Zelmanovitch N. (2009) "The outreach plan around the first science with the GTC" (CO).
- (14) Carballo-Bello J.A., Martínez-Delgado D., Fliri J. (2009) "Galactic archeology for amateur astronomers: RR Lyrae stars as tracers of the Milky Way formation" (P). IAUS **260**, 34 (2011).

"VII Workshop Estallidos de Formación Estelar en Galaxias" 26-27 Enero, Madrid.

- (15) Ramos-Almeida C. (2009) "Near-Infrared spectroscopy of Seyfert galaxies. Nuclear activity and stellar population" (CO).
- (16) Sánchez-Janssen R. (2009) "Constraining formation scenarios for S0 galaxies through their globular cluster systems" (CO).
- (17) Nigoche A. (2009) "Relaciones de escala de galaxias de tipo temprano. Dependencia del rango de magnitud" (CO).
- (18) Lagos P. (2009) "¿Por qué observar galaxias HII con grandes telescopios?" (CO).
- (19) Aguerri J.A.L. (2009) "On the origin of dwarf elliptical galaxies: the fundamental plane" (CO).
- (20) Méndez-Abreu J. (2009) "Structure and dynamics of the central regions of disk galaxies" (CO).

"RoPACS Kick-off Meeting" 28-29 Enero, Madrid.

- (21) Martín E.L. (2009) "NAHUAL status" (CO).
- (22) Pallé E., Zapatero-Osorio M.R., Barrena R., MontañezsRodríguez P., Martín E.L. (2009) "The transmission spectra of planet Earth" (CO).

"Solar-Extrasolar Planet Formation Meeting" 2-4 Febrero, California, EEUU.

- (23) Martín E.L., Ge J., Cui X., Montgomery M.M. (2009) "New technologies for probing the diversity of Brown Dwarfs and exoplanets" (P).

"First CoRoT International Symposium: From Stars to Habitable Planets" 2-5 Febrero, París, Francia.

- (24) Deeg H.J. (2009) "The photometric follow-up of CoRoT planet candidates" (CO).
- (25) Almenara J.A., Deeg H.J. (2009) "Properties of binary systems found in the CoRoT exoplanet search" (CO).
- (26) Régulo C. (2009) "P-mode characteristics of HD-181906" (P).
- (27) Rabus M., Belmonte J.A., Deeg H.J. (2009) "Short flux rises during transit events: Starspots or a secondary planet" (P).
- (28) Creevey O.L., Uytterhoeven K. et al. (2009) "HD 172189: a further step to furnish one of the best laboratories known for asteroseismic Studies"
- (29) Creevey O.L., Bazot M. (2009) "Global parameters of HD49933"

- (30) Uytterhoeven K. et al. (2009) "The asteroseismic ground-based observational counterpart of CoRoT".
- (31) Briquet M., Uytterhoeven K. et al. (2009) "An asteroseismic study of the β Cephei CoRoT main target HD 180642: results from the ground-based campaign".

"RIA Workshop: Impact of ALMA on the Spanish Extragalactic Astronomy" 11-13 Febrero, Granada.

- (32) Fernández-Ontiveros J.A., Prieto A.M., Acosta-Pulido J.A., Orienti M. (2009) "The role of ALMA in extragalactic star-formation studies" (CO).
- (33) Orienti M. (2009) "Impact of Alma on the Spanish Extragalactic Astronomy Hot spots in radiogalaxies" (CO).
- (34) Rubiño J.A. (2009) "Cosmology with ALMA using the Sunyaev-Zeldovich effect" (CO).
- (35) Cepa J. (2009) "OSIRIS surveys and ALMA, plus other extragalactic synergies" (CO).
- (36) Amorín R., Muñoz-Tuñón C., Aguerri J.A.L., Planesas P. (2009) "The molecular gas content in blue compact galaxies" (CO).
- (37) Balcells M. (2009) "Sinergies between ALMA and GOYA" (CO).
- (38) Castro-Rodríguez N., Pérez-Fournon I., Cava A. (2009) "Extragalactic surveys with Herschel and Spitzer and follow-up projects with ALMA" (CO).
- (39) Sánchez-Gallego J.R., Knapen J.H. (2009) "H α imaging of JCMT nearby galaxies legacy survey targets" (P).
- (40) Pérez-Fournon I. (2009) "*Surveys* extragalácticos" (CO).
- (41) Rodríguez-Espinosa J.M. (2009) "Synergies between ALMA & GTC" (CO).

"Legacies of the Macquarie/AAO/Strasbourg H α Planetary Nebula Project" 16-18 Febrero, Sydney, Australia.

- (42) Giammanco C. (2009) "Distances to known PN in the galactic plane" (P). P.A.S.A., (En Prensa).
- (43) Sabin L., Zijlstra A.A., Wareing C., Corradi SLMM., Mampaso A., Viironen K. et al. (2009) "New candidate Planetary Nebulae in the IPHAS survey: the case of PNe with ISM interaction"

"AKARI, a Light to illuminate the Misty Universe" 16-19 Febrero, Tokyo, Japón

- (44) Pérez-Fournon I. (2009) "Spitzer IR spectroscopy of IR-Luminoni galaxies" (P).
- (45) Manchado A. (2009) "Planetary Nebulae in the AKARI BSC" (P).
- (46) García-Hernández D.A., Bunzel F., Engels D., Perea-Calderon J.V., García-Lario P. (2009) "AKARI and Spitzer observations of heavily obscured C-rich AGB/post-AGB stars" (P).
- (47) Bunzel F., García-Hernández D.A., Engels D., Perea-Calderon J.V., García-Lario P. (2009) "AKARI/IRC observations of heavily obscured oxygen-rich AGB and post-AGB stars" (P).

- (48) Engels D., García-Lario P., Bunzel F., García-Hernández D.A., Perea-Calderon J.V. (2009) "The transition from AGB to post-AGB evolution as observed by AKARI and Spitzer" (CO).
- (49) Cox N., García-Lario P., García-Hernández D.A., Manchado A. (2009) "An AKARI-FIS survey of post-AGB stars and (proto) planetary nebulae: an analysis of extended emission and the spectral energy distribution" (CO).

“SPECTRA: II Escuela Andina de Espectroscopía” 2-6 Marzo Lima, Peru.

- (50) Gonçalves D.R., García de la Rosa J.I. (2009) “El Universo a través de la espectroscopía” (CO).

“Starlight Reserves and World Heritage: Scientific, Cultural and Environmental Values” 10-11 Marzo, Costa Calma, Fuerteventura.

- (51) Díaz-Castro J. (2009) “The Canary Islands’ Sky Law: A Practical Experience of Astronomical Site Protection” (CO).
- (52) Muñoz-Tuñón C. (2009) “Observing Sites Characterization” (CO).
- (53) Belmonte J.A. (2009) “The Sky of the “Majos” and the “Magos”. Astronomy in The Canary Islands’ Cultural Tradition” (CO).
- (54) de la Paz Gómez F. (2009) “Protecting the Canary Islands’ Skies: A Practical Experience” (CO).

“2nd RAVET Project Meeting” 12-13 Marzo, Valencia.

- (55) Bakos J. (2009) “NIR characterization of the structure of the galaxy disk outskirts” (CO).
- (56) Trujillo I. (2009) “Evolutionary paths of the most massive galaxies since $z=2$ ” (CO).
- (57) Martínez-Valpuesta I. (2009) “Evolution of galactic bars and their influence on the host galaxy” (CO).

“Wild Stars in the Old West II: The 14th North American Workshop on Cataclysmic Variables and Related Objects” 15-19 Marzo, Tucson, EEUU.

- (58) Corral-Santana J. (2009) “Unveiling New Quiescent Black Holes” (P).
- (59) Zurita C. (2009) “Recent Observations of KY TrA” (P).
- (60) Muñoz-Darias T. (2009) “The Mass of the Neutron star in the LMXB X1822–371” (P).
- (61) Ederoclite A. (2009) “Using OSIRIS on the Gran Telescopio de Canarias to Study CVs” (P).
- (62) Casares J. (2009) “SY Cnc, a case for unstable mass-transfer?” (P)
- (63) Rodríguez-Gil P., Schmidtobreick L., Long K.S., Gänsicke B.T. (2009) “Fighting for accretion: the 2008-2009 low state” (P)

“2009 EARA workshop: From Disks to Planets: Learning from Starlight” 16-20 Marzo, Leiden, Países Bajos.

- (64) Lodieu N., Hambly N. (2009) "Results from the UKIDSS GCS: an extensive study of the Upper Sco association" (CO).
- (65) Israelian G. (2009) "Abundance in planet-host stars" (CO).

"Second SONG Workshop: Asteroseismology and Exoplanet search with a Network of 1m-Telescopes" 23-25 Marzo, Aarhus, Dinamarca.

- (66) Pallé P.L. (2009) "Observatorio del Teide: site description of the SONG prototype" (CO).
- (67) Simón-Díaz S., Uytterhoeven K., Herrero A., Castro N. (2009) "Time-scales of line-broadening variability in OB Supergiants" (CO).

"Beyond JWST: The Next Steps in UV-Optical-NIR Space Astronomy" 26-27 Marzo, Baltimore, EEUU.

- (68) Drozdovsky I. (2009) "Matching the Local and Cosmic Star Formation Histories with a Large-Aperture Optical/UV Space Telescope" (CO).
- (69) Martín E.L. (2009) "New Technologies for Probing the Diversity of Brown Dwarfs and Exoplanets" (P).

"5th UC Irvine Center for Cosmology Workshop. Intermediate-Mass Black Holes: From First Light to Galactic Nuclei" 1-3 Abril, Irvine, EEUU.

- (70) Müller F., Prieto A.M., Acosta-Pulido J.A., Fernández-Ontiveros J.A., Genzel R., Davies R., Eisenhauer F. (2009) "The nature of the nuclear black hole in the nearby starburst galaxy NGC 253" (CO).

"JENAM 2009: European Week of Astronomy and Space Science" 20-23 Abril, Hatfield, Reino Unido.

- (71) Lodieu N., Hambly N. (2009) "Is the IMF universal? Latest results from the UKIDSS Galactic Clusters" (CO).
- (72) Rodríguez-Espinosa J.M. (2009) "Feedback in the AGN Population of the Extended Groth Strip" (CO).
- (73) Riaz B. (2009) "B59 protoestellar system" (P).
- (74) Béjar V.J.S, Pérez-Garrido A., Díaz-Sánchez A., Villó-Pérez I., Rebolo R. (2009) "A very extended search for very low-mass stars and brown dwarfs in the Upper Scorpius association" (P).

"ISSI AsteroFLAG Workshop" 20-24 Abril, Bern, Suiza.

- (75) Salabert D. (2009) "Peak-fitting pipeline for solar-like oscillations observed by KEPLER" (CO).

"Missions for Exoplanets: 2010-2020" 21-23 Abril, Pasadena, California

- (76) Martín E.L. (2009) "Development of highly stable NIR spectrograph" (P).

“Legacy Survey Workshop” 24 Abril, Almería.

- (77) García-Lorenzo B. (2009) “Calar Alto Legacy Survey of Herbig-Haro Objects” (CO).

“1st IAA Planetary Defense Conference: Protecting Earth from Asteroids” 27-30 Abril, Granada.

- (78) Campins H. et al. (Incluye Licandro J.) (2009) “Low-perihelion asteroids” (P).

“16th Young Scientists’ Conference on Astronomy and Space Physics” 27 Abril – 2 Mayo, Kiev, Ucrania.

- (79) Rys A. (2009) “Starbursts in the Local Universe: HST WFPC2 Observations of NGC 1569 and NGC 4449” (CO).

“LIII Congresso Nazionale della Società Astronomica Italiana- SAIT 2009. L’universo Quattro Secoli dopo Galileo” 4-8 Mayo, Pisa, Italia.

- (80) Calamida et al. (Incluye Monelli M.) (2009) “Deep and accurate near-infrared photometry of the Galactic globular cluster omega Cen”. *MemSalt*, **80**, 73.
- (81) Sanna et al. (Incluye Monelli M.) (2009) “Stellar populations in the Local Group starburst galaxy IC10”. *MemSalt*, **80**, 79.
- (82) Di Cecco et al. (Incluye Monelli M.) (2009) “Star count ratios in the Galactic globular cluster M92”. *MemSalt*, **80**, 81.

“The Giant Branches” 11-15 Mayo, Leiden, Holanda.

- (83) Marín-Franch A. (2009) “Fluctuation magnitudes and AGB modelling” (CO).

“Bolides and Meteorite Falls conference” 11-15 Mayo, Praga, República Checa.

- (84) de León J., Licandro J., Pinilla Alonso N., Campins H., Serra Ricart M. (2009) “The MB-NEA-OC connection revisited: compositional differences and size-dependent transport mechanisms” (CO).

“3rd ARENA Conference: An Astronomical Observatory at CONCORDIA (Dome C, Antarctica)” 11-15 Mayo, Frascati, Italia.

- (85) Vauglin I., Prugniel P., Koleva M. (2009) “A wide field IR imager at Concordia and HyperLeda” *EAS Publications Series*, **40** 207 (2010).

“Galaxies in Isolation: Exploring Nature vs. Nurture” 12-15 Mayo, Granada. ASP. Conf. Ser., (En Prensa).

- (86) López-Sánchez A.R., Koribalski B., Esteban C., van Eymeren J., Popping A., Hibbard J. (2009) “The environment of nearby Blue Compact Dwarf Galaxies” (CO). *ASP*, **241**, 65 (2010).
- (87) Serra P. et al. (Incluye Falcón-Barroso J.) (2009) “Early-type Galaxies in Isolation: an HI

Perspective with ATLAS 3D" ASP, **241**, 49.

- (88) Aguerri J.A.L., Huertas-Company M., Tresse L. (2009) "Evolution of Blue E/S0 Galaxies from $z \sim 1$: Merger Remnants or Disk Rebuilding Galaxies?" (CO). ASP, **241**, 209.
- (89) La Barbera F., de Carvalho R.R., de la Rosa I.G., Sorrentino G., Gal R.R., Kohl-Moreira J.L. (2009) "On The Nature of Fossil Galaxy Groups". ASP, **241**, 225 (2010).
- (90) Ascaso B., Aguerri J.A.L., Moles M., Sánchez-Janssen R. (2009) "Quantitative Galaxy Morphology of Five Medium Redshift Clusters" (P). ASPC, **421**, 242.
- (91) Blasco Herrera J., Fathi K., Beckman J.E., Gutiérrez L., Lundgren A., Font J., Hernández O., Carignan C. (Incluye Gutiérrez L., Font J., Beckman J.E.) (2009) "HII Regions Feeding the Interstellar Medium in M 83" (CO). ASP, **241**, 244 (2010).
- (92) Ferre A., Trujillo I. (2009) "Superdense Massive Galaxies in the Nearby Universe" (P) ASPC, **421**, 254 (2010).
- (93) Méndez-Abreu J., Aguerri J.A.L., Zarattini S., Sánchez-Janssen R., Corsini E.M. (2009) "The influence of the environment on bar formation" (P). ASPC, **421**, 269 (2010).
- (94) Martínez-Valpuesta I. (2009) "Appearance of Barred Galaxies at early and late stages of its evolution" (P). ASP, **241**, 268 (2010).
- (95) Sánchez-Janssen R., Fogo Team (2009) "The FOssil Groups Origins (FOGO) Project", ASPC, **421**, 288 (2010).

"3rd HELAS Local Helioseismology Workshop" 12-15 Mayo, Berlín, Alemania.

- (96) Khomenko E. (2009) "Propagation of heliosismic waves below sunspots" (CO).

"Diagnostics spectropolarimétriques: observations et processus microscopiques" 18-19 Mayo, Meudon, Francia.

- (97) Martínez-González M.J. (2009) "PcA denoising of stellar polarised spectra" (P).

"Subaru/Gemini Science Conference" 18-21 Mayo, Kyoto, Japón.

- (98) Ramos-Almeida C. et al. (Incluye Rodríguez-Espinosa J.M., Asensio-Ramos A.) (2009) "The Infrared Nuclear Emission of Seyfert Galaxies on Parsec Scales: a Test for the Clumpy Torus Models" (P).

"International Symposium Marco Polo and other Small Body Sample Return Missions" 18-20 Mayo, París, Francia.

- (99) Groussin O. et al. (Incluye Licandro J., Serra-Ricard M., Oscoz A.) (2009) "THERMAP: a thermal mapper for Marco Polo mission" (CO).
- (100) Licandro J., Herrera G., Jóven E., Serra-Ricard M., Oscoz A. (2009) "Characterization of the ULIS (UL04171) uncooled microbolometer and its possible use as a detector of a mid-ir instrument for Marco Polo" (CO).
- (101) Campins H., Fernández Y., Kelley M., Licandro J., Delbó M., Barucci A., Dotto. E. (2009) "Spitzer Observations of Potential Marco Polo Target 1999 JU3" (CO).

“Tidal Dwarf Galaxies: Ghosts from Structure Formation” 25-29 Mayo, Bad Honnef, Alemania.

- (102) Fliri J. (2009) “SDSS Analysis of galactic stellar streams” (CO).
- (103) Martínez-Delgado D. (2009) “Tracing tidal streams in spiral galaxies of the local universe” (CO).
- (104) Carballo-Bello J.A., Martínez-Delgado D., Sollima A. (2009) “Nearby cosmology: globular clusters as relics of the Milky Way formation” (CO).
- (105) López-Sánchez Á.R., Koribalski B., Esteban C., Popping A., van Eymeren J. Westmeier T., Hibbard J. (2009) “Tidal Tails and TDG candidates in Blue Compact Dwarf Galaxies” (CO).

“Frascati Workshop 2009: Multifrequency Behaviour of High Energy Cosmic Sources”, 25-30 Mayo, Vulcano, Italy

- (106) Beckman J.E., Giammanco C. (2009) “Can gamma ray bursts be used as effective tracers of star formation to high Z?” (CO). Mem. S.A.It., **81**, 460 (2010).

“6th Science NAHUAL Meeting: Setting the Scene”, 31 Mayo-3 Junio, Sintra, Portugal.

- (107) Béjar V.J.S. (2009) “NAHUAL scientific requirements” (CO)
- (108) Béjar V.J.S., Moitinho A. (2009) “Searching for an appropriate sample” (CO).
- (109) Rodler F. (2009) “Towards planets around M-dwarfs” (CO).

“Stellar Pulsation, Challenges for Theory and Observation” 31 Mayo-5 Junio, Santa Fe, México.

- (110) Bernard E. (2009) “The ACS LCID Project: RR Lyrae Stars and Cepheids in Local Group Galaxies” (P). AIPC, **1170**, 213.
- (111) Uytterhoeven K. et al. (2009) “The asteroseismic ground-based observational counterpart of CoRoT” AIPC, **1170**, 327.
- (112) Simón-Díaz S., Uytterhoeven K., Herrero A., Castro N. (2009) “Time-scales of line-broadening variability in OB Supergiants” (CO). AIPC, **1170**, 397.
- (113) Simoniello R., Finsterle W., García R.A., Salabert D., Jiménez A. (2009) “Evidence of Increasing Acoustic Emissivity at High Frequency with Solar Cycle 23 in Sun-as-a-star Observations” AIPC, **1170**, 566.
- (114) Metcalfe T.S., Creevey O.L., Christensen-Dalsgaard J. (2009) “A Stellar Model-fitting Pipeline for Solar-like Oscillations” AIPC, **1170**, 535.
- (115) Mathur S., García R.A., Régulo C., Ballot J., Salabert D., Chaplin W.J. (2009) “Analysing Solar-like Oscillations with an Automatic Pipeline” AIPC, **1170**, 540.

“214th AAS Meeting” 7-11 Junio, Pasadena, EEUU.

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- (246) Gallart C. (2009) "Stellar populations in the Local Group" (CO).

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- (247) Ederoclite A. (2009) "The Data Reduction System for GTC/OSIRIS" (P).

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- (248) Campins H., Hargrove K., Howell E.S., Kelley M.S., Licandro J., Mothé-Diniz T., Ziffer J., Fernandez Y., Pinilla-Alonso N. (2009) "Confirming Water Ice on the Surface of Asteroid 24 Themis" (CO). DPS **41**, 3205.
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- (250) Mills F.P., García Muñoz A., Yung Y., Allen, Piccioni G., Drossart P. (2009) "Oxygen chemistry and airglow in Venus' atmosphere" (P). DPS **41**, 4802.
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- (256) Khomenko E. (2009) "Fast or slow MHD waves propagating in sunspots?" (CO).
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- (258) Calcines A., López R., Grivel C., Collados M. (2009) "Concepts for a Visible and an Infrared High Resolution Multi-wavelength Multi-Slit Spectrographs for EST".
- (259) Volkmer R., Bettonvil F., Berrilli F., Cavaller L., Collados M., Eisenträger P., Fischer D., Manni F., Scheiffelen T., Süß M. (2009) "EST Optomechanics – Preliminary considerations".
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- (264) Cappellari M., McDermid R.M., Bacon R., Davies R.L., de Zeeuw P.T., Emsellem E., Falcón-Barroso J. (2009) "Testing Mass Determinations of Supermassive Black Holes via Stellar Kinematics" (P). AIP Conf. Ser., **1240**, 211 (2010).
- (265) Eliche-Moral M.C., González-García A.C., Balcells M., Aguerri J.A.L., Gallego J., Zamorano J. (2009) "A minor-merger origin for inner disks and rings in early-type galaxies". AIP Conf. Ser., **1240**, 237 (2010).
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- (269) Carballo-Bello J.A., Martínez-Delgado D., Sollima A. (2009) "Searching for tidal remnants in the Milky Way: Photometric survey of globular clusters" (P). AIP Conf. Ser., **1240**, 291 (2010).
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- (271) Martínez-González M.J. (2009) "Linking the quiet photosphere and chromosphere with small magnetic loops" (CO).
- (272) Kuckein C. (2009) "Magnetic field strength and topology of active region filaments" (CO).
- (273) Felipe T. (2009) "Magneto-acoustic waves in sunspots: first results from a new 3D nonlinear magnetohydrodynamic code" (CO).
- (274) Rapazzo F., Velli M. (2009) "The Parker problem for coronal heating: magnetically dominated MHD turbulence in a low-beta environment" (CO).
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- (276) Peimbert M., Peimbert A., Carigi L., Luridiana V. (2009) "Measurements of ⁴He in metal-poor extragalactic H II regions: the primordial Helium abundance and the $\Delta Y/\Delta O$ ratio" IAUS **268**, 91 (2010).
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(278) Martínez-Pillet V. (2009) "The SUNRISE 2009 Flight" (CO).

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(281) Alvarez-Herrero A., Martínez-Pillet V., del Toro Iniesta J.C., Domingo V. and the IMAx team (2009) "The IMAx polarimeter for the solar telescope SUNRISE of the NASA long duration balloon program" EPJ Web of Conferences, **5**, 05002 (2010).

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COMUNICACIONES A CONGRESOS NACIONALES (Contributions delivered at Meetings held in Spain).

2009- CN

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(01) Belmonte J.A. (2009) “Diez mil años de Astronomía” (CO).

“XII Ciclo de Conferencias: Presente y Futuro de la Ciencia y la Tecnología” 3-31 Marzo, Málaga.

(02) Martínez Delgado D. (2009) “Canibalismo galáctico en el universo local” (CO).

(03) Rodríguez Espinosa. J.M. (2009) “Formación estelar violenta en el universo” (CO).

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(04) Belmonte J.A. (2009) “De Lascaux a Corot Exo-7b: Diez milenios de astronomía” (CO).

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(05) Sánchez-Almeida J. (2009) “The most metal poor galaxies” (CO).

(06) Sánchez-Blazquez P. (2009) “Stellar population gradients in coma galaxies” (CO).

(07) Béjar V.J.S. (2009) “Evolution of the mass-luminosity relationship for BDs and superjupiter” (CO).

(08) Rebolo R. (2009) “Stars and Planets” (CO).

(09) Beckman J.E. (2009) “Medio intergaláctico: Enriquecimiento de metales” (CO).

(10) Zapatero-Osorio M.R. (2009) “Evolution of exoplanetary Systems” (CO).

(11) Licandro J. (2009) “TNOs in the ELT-era” (P).

(12) Gallart C. (2009) “Formation and evolution of galaxy disks, bulges, and Stellar cluster Systems” (CO).

(13) Pérez-Fournon I. (2009) “Surveys extragalácticos” (CO).

(14) Herrero A. (2009) “Massive star formation in M31 and M33” (CO).

(15) García-Hernández D.A., Manchado A. (2009) “AGB stars in Local Group Galaxies” (CO).

(16) Cenarro J. (2009) “Globular clusters in coma” (CO).

(17) Pallé E. (2009) “Exoplanet Characterizations during transits” (CO).

“Encuentro Español sobre Exploración del Sistema Solar” 4-5 Junio, Salobreña, Granada.

(18) Licandro J. (2009) “Investigación en el Sistema Solar en el IAC” (CO).

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- (19) Vázquez M. (2009) “Meteorología Espacial (Viviendo con una estrella)” (CO)
- (20) Vázquez M. (2009) “Exoplanetas: ¿Una nueva revolución copernicana?” (CO).
- (21) Martínez-Pillet V. (2009) “El conocimiento del sol: qué nos falta – Solar Orbiter” (CO).

“Estallidos with IFUS” 17-19 Junio, Granada.

- (22) López-Martín L., Mesa-Delgado A., Esteban C., García-Rojas J., Luridiana V. (2009) “Properties of the ionized gas in HH objects in Orion” (CO).
- (23) López-Martín L. (2009) “Observing and reducing IFU” (CO).

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- (24) Belmonte J.A. (2009) “El Egipto antiguo” (CO)
- (25) Belmonte J.A. (2009) “La astronomía al servicio del Islam” (CO).
- (26) Esteban C. (2009) “El mundo ibérico” (CO).

“IV Jornadas Canarias de. Astronomía en Lanzarote” 10-11 Julio, Lanzarote.

- (27) Rebolo R. (2009) “La investigación sobre el fondo cósmico de microondas en el Instituto de Astrofísica de Canarias” (CO).

“III Workshop de Telescopios Robóticos en España (ASTROCAM)” 7-8 Septiembre, Madrid.

- (28) Serra-Ricart M. (2009) “Estado del Arte de los Telescopios Robóticos Divulgativos en España” (CO).

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- (29) Rodríguez-Espinosa J.M. (2009) “Feedback in the AGN population of the Extended Groth Strip” (CO).

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- (30) Insausti M., Garzón F., Rasilla J.L. (2009) “Caracterización óptica de redes de difracción holográficas de fase volumétricas en el infrarrojo y en criogenia”.

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- (31) Fabbian D. (2009) “3D MHD simulations and spectral line formation calculations: solar and stellar abundances” (CO).
- (32) Asensio-Ramos A. (2009) “Compressed Sensing for Polarimetry” (CO).

- (33) Beck C. (2009) "A chromospheric dark-cored filament in Ca II IR 854.2 nm spectra" (CO).
- (34) Collados M (2009) "EST: Un proyecto en marcha" (CO).
- (35) Felipe García T. (2009) "Magneto-Acoustic Waves in Sunspots: First Results from 3D Nonlinear Numerical Simulations" (CO).
- (36) Khomenko E. (2009) "Theoretical modelling of propagation of magneto-acoustic waves in magnetic regions below sunspots" (CO).
- (37) Kuckein C. (2009) "On the Magnetic Field Strength of Active Region Filaments" (CO).
- (38) Manso-Sainz R. (2009) "¿Está polarizada la Corona ultravioleta?" (CO).
- (39) Martínez-González M.J. (2009) "Pequeños arcos magnéticos en el Sol en calma" (CO).
- (40) Martínez-Pillet V. (2009) "SUNRISE y el primer vuelo polar" (CO).
- (41) Moreno-Insertis F. (2009) "La interacción de granulos con el flujo magnético emergente" (CO).
- (42) Puschmann K (2009) "Energy transfer and electrical current vector in penumbral filaments" (CO).
- (43) Pallé P.L., Salabert D., García R., Jiménez-Reyes S. (2009) "The "Onset" of solar cycle 24. What global acoustic modes are telling" (CO).
- (44) Socas-Navarro H. (2009) "El espinoso problema de la abundancia solar de oxígeno" (CO).
- (45) Trujillo-Bueno J. (2009) "Chromospheric magnetic fields: observations, methods and interpretation" (CO).
- (46) Vázquez-Abeledo M. (2009) "The Sun Recorded through the History" (CO).
- (47) Vázquez-Abeledo M. (2009) "Auroras boreales observadas en las Islas Canarias" (CO).

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- (48) Rodríguez-Gil P. (2009) "Estados de acreción suspendida en sistemas SW Sex" (CO).
- (49) Carballo-Bello J.A., Martínez-Delgado D., Fliri J. (2009) "Arqueología Galáctica para astrónomos amateur: Estrellas RR Lyrae como trazadores de la formación galáctica" (P).
- (50) Rodríguez-Espinosa J.M. (2009) "La divulgación y la enseñanza de la Astronomía claves para el futuro" (CO).

COMUNICACIONES CORTAS, ARTICULOS EN REVISTAS INTERNACIONALES SIN ÁRBITRO

(Short Contributions and Papers in non-Refereed International Journals).

2009 - CR

- (01) de Ugarte Postigo A., Gorosabel J., Knapen J.H., Sánchez-Gallego J.R., Stiles P. (2009) "GRB 090113: observations from NOT" GRB Coordinates Network, Circular Service, **8810**, 1.
- (02) Gaug M., Antonelli L.A., Bastieri D., Becerra-González J., et al. (2008) "GRB090102: MAGIC telescope GeV observation" GRB Coordinates Network, Circular Service, **8816**, 1.
- (03) Becerra-González J., Gaug M. et al. (2008) "GRB090113: MAGIC telescope GeV observation" GRB Coordinates Network, Circular Service, **8867**, 1.
- (04) Belmonte J.A. (2009) "From the Maya to the Inca and beyond" World Heritage, **54**, 18.
- (05) Ramos Almeida C., Packham C. (2009) "Mid-IR Observations of Seyfert Galaxies" Gemini Focus, **39**, 19.
- (06) Cano J.L., Tribak A., Hoyland R., Mediavilla A., Artal E. (2009) "Full Band Waveguide Turnstile Junction Orthomode Transducer with Phase Matched Outputs", International Journal of RF and Microwave Computer-Aided Engineering 2009.
- (07) Griffin, M. et al. (incluye Pérez-Fournon) (2009) "The SPIRE Instrument", EAS Publications Series **34**.
- (08) Castro-Tirado, A. J.; de Ugarte Postigo, A.; Gorosabel, J.; Guziy, S.; Jelinek, M.; Kubanek, P.; Perez-Ramirez, D.; Mirabal, N.; Llorente, A.; Castro Ceron, J. M.; Alvarez, C; Cepa, J. (2009) "GRB 090709A: deep optical observation with the 10.4m GTC, *GRB Coordinates Network*" 9655.
- (09) Licandro J., Campins H. (2009) "Are the main belt comet comets, Estrela D'Alva, the morning star" IAU GA Journal, 3.
- (10) Gil-Hutton R., Licandro J. (2009) "Minor Planet Observations (829 Complejo Astronomico El Leoncito). Minor Planet Circular, 64758.
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- (01) Belmonte Avilés J.A. (2009) "La arqueoastronomía en Europa: la singularidad del caso español" Universidad Complutense de Madrid, Complutum, Volumen Especial **20**, 2, 55.
- (02) Esteban C. (2009) "La astronomía cultural ¿es interdisciplinar? Reflexiones de un astrofísico *en* Arqueoastronomía, Universidad Complutense de Madrid, Complutum, Volumen Especial **20**, 2, 68.
- (03) Belmonte J.A. (2009) "El origen de nuestra visión del Cosmos: la investigación arqueoastronómica" Ciencia Hoy, p. 18.
- (04) Belmonte Avilés J.A. (2009) "Astronomía cultural: nuestro lugar en el cosmos" Revista Española de Física **23**, 2, 2.
- (05) Belmonte Avilés, J.A. (2009) "Sobre la orientación de los templos del antiguo Egipto: resultados de la Misión Hispanoegipcia de Arqueoastronomía" 120 Años de arqueología Española en Egipto, Ed. M.C. Pérez Die, p.120. Ministerio de Cultura, Madrid.
- (06) Roca-Cortés T. (2009) "Astronomía, ¿para qué?" Números, Revista de Didáctica de las Matemáticas, **72**, p. 7, Diciembre.
- (07) Márquez Rodríguez I. (2009) "Cuando calienta el Sol" Números, Revista de Didáctica de las Matemáticas, **72**, p. 47, Diciembre.
- (08) Cepa J. (2009) "HERSCHEL: el telescopio que surgió del frío para espiar los secretos del universo" Astronomía, 114.
- (09) Pallé E. (2009) "La vida en la tierra se puede detectar desde el espacio" El País, 31 Agosto 2009.
- (10) Esteban C. (2009) "2009 un año de Astronomía". Semanario Valle de Elda, 2615, 20.
- (11) Muñoz-Tuñón C. (2009) "Sitios para observar el cielo". El País, 31 Julio 2009.
- (12) Herrero A., García M., Simón-Díaz S. (2009) Estrellas masivas: Una cuestión de masa, Revista Española de Física 23.

TESIS DOCTORALES (PhD Theses)

2009- T

- (01) Gutiérrez Albores L. (2009) "Un estudio del presupuesto energético de zonas de formación de estrellas masivas en galaxias cercanas".
- (02) de León Cruz J.M. (2009) "Caracterización Mineralógica de Asteroides cercanos a la Tierra"
- (03) Pinilla Alonso N. (2009) "Propiedades Superficiales de los Planetas Enanos del Cinturón Transneptuniano"
- (04) Bernard E. (2009) "Poblaciones de estrellas variables en galaxias enanas del grupo local: dependencia de factores ambientales".
- (05) Azzollini Felipe J.R. (2009) "Morfología de la formación estelar en galaxias a $z \sim 1$ ".
- (06) Di Cesare A. (2009) "Calibración espectrofotométrica del GTC".
- (07) Israel Matute Troncoso (2009) "Evolución de Núcleos Activos de Galaxias en el Infrarrojo".
- (08) Sánchez Janssen R. (2009) "Morfología y formación Estelar de las Galaxias en cúmulos cercanos".
- (09) Ramos Almeida C. (2009) "Actividad Nuclear y formación Estelar en Galaxias".
- (10) Viironen K.E. (2009) "Nuevas Nebulosas Planetarias en el Plano de la Galaxia".
- (11) López San Juan C. (2009) "Fusiones de Galaxias a Distancias Cosmológicas".
- (12) de Fatima Domínguez Palmero L. (2009) "Evolucion Cosmológica de Bulbos Galácticos".
- (13) Sainz Dalda A. (2009) "Decaimiento de Flujo Magnético en el Sol: Manchas, MMFs Y ERs"
- (14) Rabus M. (2009) "Estudios de Planetas Extrasolares por el Método de Tránsitos".
- (15) Montenegro Montes M. (2009) "Cuásares Emisores en Radio con Líneas de Absorción Anchas".
- (16) Costado Dios T. (2009) "Búsqueda de evidencias de aceleración de hadrones en remanentes de supernova".
- (17) Martínez Delgado I. (2009) "Impacto de la Formación Estelar en Galaxias Compactas Azules".
- (18) Buenrostro-Leiter V. (2009) "The Evolution of disk galaxies: Nature or Nurture?".
- (19) Vázquez Ramió H. (2009) "Observación de la convección en estrellas de tipo solar".