

PUBLICACIONES EN REVISTAS INTERNACIONALES CON ÁRBITRO

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- 2.- **A bright triple transient that vanished within 50 min**
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- 3.- **A Forecast of the Sensitivity of the DALI Experiment to Galactic Axion Dark Matter**
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Kelly, P. M. *et al.* (incluye a Carnero Rosell, A.)[2024MNRAS.533..572K](#)
- 477.- Dark Energy Survey: A 2.1% measurement of the angular Baryonic Acoustic Oscillation scale at redshift $z_{\text{eff}}=0.85$ from the final dataset**
Abbott, T. M. C. *et al.* (incluye a Carnero Rosell, A.)[2024PhRvD.110f3515A](#)

- 478.- Dark Energy Survey: Galaxy sample for the baryonic acoustic oscillation measurement from the final dataset**
Mena-Fernández, J. *et al.* (incluye a **Carnero Rosell, A.**)[2024PhRvD.110f3514M](#)
- 479.- Deriving the star formation histories of galaxies from spectra with simulation-based inference**
Iglesias-Navarro, Patricia; Huertas-Company, Marc; Martín-Navarro, Ignacio; Knapen, Johan H.; Pernet, Emilie[2024A&A...689A..58I](#)
- 480.- DESI Early Data Release Milky Way Survey value-added catalogue**
Koposov, Sergey E. *et al.* (incluye a **Allende Prieto, C.**)[2024MNRAS.533.1012K](#)
- 481.- Detection of the [C I] λ 8727 emission line. Low-ionization structures in NGC 7009**
Akras, S.; Monteiro, H.; Walsh, J. R.; Konstantinou, L.; Gonçalves, D. R.; Garcia-Rojas, J.; Boumis, P.; Aleman, I.[2024A&A...689A..14A](#)
- 482.- Differential image motion in astrometric observations with very large seeing-limited telescopes**
Lazorenko, P. F.; Sahlmann, J.; Mayor, M.; Martin, E. L.[2024A&A...689A..94L](#)
- 483.- ESPRESSO reveals blueshifted neutral iron emission lines on the dayside of WASP-76 b**
Costa Silva, A. R. *et al.* (incluye a **Rebolo, R.**; **Allende Prieto, C.**; **Esparza-Borges, E.**; **González Hernández, J. I.**; **Palle, E.**; **Suárez Mascareño, A.**)[2024A&A...689A..8C](#)
- 484.- Euclid: Testing photometric selection of emission-line galaxy targets**
Cagliari, M. S. *et al.* (incluye a **Rebolo, R.**)[2024A&A...689A.166C](#)
- 485.- Evidence for a Shallow Evolution in the Volume Densities of Massive Galaxies at $z = 4-8$ from CEERS**
Chworowsky, Katherine *et al.* (incluye a **Huertas-Company, Marc**)[2024AJ....168..113C](#)
- 486.- First Direct Evidence for Keplerian Rotation in Quasar Inner Broad-line Regions**
Fian, C.; Jiménez-Vicente, J.; Mediavilla, E.; Muñoz, J. A.; Chelouche, D.; Kaspi, S.; Forés-Toribio, R.[2024ApJ...972L...7F](#)
- 487.- From gas to stars: MUSEings on the internal evolution of IC 1613**
Taibi, S. *et al.* (incluye a **Battaglia, G.**; **Gallart, C.**; **Beasley, M. A.**)[2024A&A...689A..88T](#)
- 488.- Kilonova Seekers: the GOTO project for real-time citizen science in time-domain astrophysics**
Killestein, T. L. *et al.* (incluye a **Dhillon, V. S.**; **Pallé, E.**; **Eyles-Ferris, R.**; **Mata Sánchez, D.**; **Patel, M.**; **Rana, J.**)[2024MNRAS.533.2113K](#)
- 489.- OGLE-2015-BLG-0845L: a low-mass M dwarf from the microlensing parallax and xallarap effects**
Hu, Zhecheng *et al.* (incluye a **Fukui, Akihiko**)[2024MNRAS.533.1991H](#)
- 490.- Primeval very low-mass stars and brown dwarfs - VIII. The first age benchmark L subdwarf, a wide companion to a halo white dwarf**
Zhang, Z. H. *et al.* (incluye a **Lodieu, N.**; **Pavlenko, Ya V.**)[2024MNRAS.533.1654Z](#)
- 491.- Revealing the inner workings of the lensed quasar SDSS J1339+1310: Insights from microlensing analysis**
Fian, C.; Muñoz, J. A.; Jiménez-Vicente, J.; Mediavilla, E.; Chelouche, D.; Kaspi, S.; Forés-Toribio, R.[2024A&A...689A.129F](#)
- 492.- Revisiting the dynamical masses of the transiting planets in the young AU Mic system: Potential AU Mic b inflation at 20 Myr**
Mallorquín, M. *et al.* (incluye a **Béjar, V. J. S.**; **Lodieu, N.**; **Suárez Mascareño, A.**; **Pallé, E.**)[2024A&A...689A.132M](#)
- 493.- The atmospheric composition of the ultra-hot Jupiter WASP-178 b observed with ESPRESSO**
Damasceno, Y. C. *et al.* (incluye a **Esparza-Borges, E.**; **González Hernández, J. I.**; **Pallé, E.**)[2024A&A...689A..54D](#)

- 494.- The Complex Star Formation History of the Halo of NGC 5128 (Cen A)**
Aghdam, Sima T.; Javadi, Atefeh; Hashemi, Seyedazim; Abdollahi, Mahdi; van Loon, Jacco Th.; Khosroshahi, Habib; Golshan, Roya H.; **Saremi, Elham**; Saberi, Maryam [2024ApJ...972...47A](#)
- 495.- The Dark Energy Survey 5-yr photometrically classified type Ia supernovae without host-galaxy redshifts**
Möller, A. *et al.* (include a **Carnero Rosell, A.**) [2024MNRAS.533.2073M](#)
- 496.- The dark energy survey supernova program: investigating beyond- Λ CDM**
Camilleri, R. *et al.* (include a **Carnero Rosell, A.**) [2024MNRAS.533.2615C](#)
- 497.- The Dark Energy Survey Supernova Program: slow supernovae show cosmological time dilation out to $z = 1$.**
White, R. M. T. *et al.* (include a **Carnero Rosell, A.**) [2024MNRAS.533.3365W](#)
- 498.- The frequency of transiting planetary systems around polluted white dwarfs**
Robert, Akshay; Farihi, Jay; Van Eylen, Vincent; Aungwerojwit, Amornrat; Gänsicke, Boris T.; Redfield, Seth; **Dhillon, Vikram S.**; Marsh, Thomas R.; Swan, Andrew [2024MNRAS.533.1756R](#)
- 499.- The MOPYS project: A survey of 70 planets in search of extended He I and H atmospheres: No evidence of enhanced evaporation in young planets**
Orell-Miquel, J. *et al.* (include a **Murgas, F.**; **Pallé, E.**; **Mallorquín, M.**; **Carleo, I.**; **Esparza-Borges, E.**; **Fukui, A.**; **Morello, G.**; **Narita, N.**) [2024A&A...689A.179O](#)
- 500.- The PARSEC view of star formation in galaxy centres: from protoclusters to star clusters in an early-type spiral**
Prieto, Almudena; Gladis Magris, C.; Bruzual, Gustavo; Fernández-Ontiveros, Juan A.; Burkert, Andreas [2024MNRAS.533.433P](#)
- 501.- The PAU Survey: Galaxy stellar population properties estimates with narrowband data**
Csizi, B. *et al.* (include a **Siudek, M.**) [2024A&A...689A..37C](#)
- 502.- The Radio Galaxy Environment Reference Survey (RAGERS): a submillimetre study of the environments of massive radio-quiet galaxies at $z = 1-3$**
Cornish, Thomas M. *et al.* (include a **Dannerbauer, Helmut**) [2024MNRAS.533.1032C](#)
- 503.- TOI-757 b: an eccentric transiting mini-Neptune on a 17.5-d orbit**
Alqasim, A. *et al.* (include a **Alonso, R.**; **Nowak, G.**; **Palle, E.**; **Villaver, E.**) [2024MNRAS.533....1A](#)
- 504.- X-Shooting ULLYSES: Massive stars at low metallicity: IV. Spectral analysis methods and exemplary results for O stars**
Sander, A. A. C. *et al.* (include a **Berlanas, S. R.**; **Herrero, A.**) [2024A&A...689A..30S](#)
- 505.- X-Shooting ULLYSES: Massive stars at low metallicity: V. Effect of metallicity on surface abundances of O stars**
Martins, F. *et al.* (include a **Herrero, A.**) [2024A&A...689A..31M](#)
- 506.- Light-curve analysis and shape models of NEAs 7335, 7822, 154244, and 159402**
Rodríguez Rodríguez, Javier *et al.* (include a **Licandro, Javier**; **Alarcon, Miguel R.**; **Serra-Ricart, Miquel**) [2024MNRAS.533.4160R](#)
- 507.- The Nature of 500 micron Risers III: a small complete sample**
Clements, D. L.; Cairns, J.; Greenslade, J.; Petitpas, G.; Ding, Y.; **Pérez-Fournon, I.**; Riechers, D. [2024MNRAS.533.4045C](#)
- 508.- TOI-2379 b and TOI-2384 b: two super-Jupiter mass planets transiting low-mass host stars**
Bryant, Edward M. *et al.* (include a **Barkaoui, Khalid**; **Murgas, Felipe**) [2024MNRAS.533.3893B](#)
- 509.- First light simultaneous triple-channel optical observations of the OPTICAM system at the OAN-SPM**
Castro, Angel *et al.* (include a **Vincentelli, Federico**) [2024NewA..11202262C](#)

510.- Time and Culture Across the Iberian Lands: The Cathedrals' Orientation Paradigm—A Diachronic Analysis of the Orientation of the Cathedrals of Portugal and Spain.
Urrutia-Aparicio, M.; Belmonte, J. A.; González-García, A. C. [10.5281/zenodo.13382956](https://doi.org/10.5281/zenodo.13382956)

INVITED REVIEWS

2024-IR

Ferré-Mateu A. "Observed structural properties of UDGs", Invited Review at 'SS7: Unlocking the secrets of UDGs, a deeper perspective' en "EAS2024", 1-5 Julio, Padova, Italia

Suárez Mascareño, A. "2 Young 2 Furious – Challenges and opportunities in the study of young exoplanets" en "SS13: Young and Mischievous: close-in exoplanets around young stars" de la "EAS2024", 1-5 Julio, Padova, Italia.

Suárez Mascareño, A. "Same ingredients, diferent recipes. The composition of exoplanets" en "16th International Conference on Gas Geochemistry, 16-22 Junio, Tenerife.

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

2024-L

Srivastava A.K., Goossens M., Arregui I. (eds.) "Magnetohydrodynamic Processes in Solar Plasmas" (Elsevier) ISBN: 9780323956642.

Davis, A. E. L., Field, J. V., Mahoney, T. J. (eds.) "*Reading the Mind of God: Johannes Kepler and the Reform of Astronomy*" (Springer), in press

Capítulos de libros

Field, J. V., Mahoney, T. J. "Introduction: Kepler's place in the history of science" "Reading the Mind of God: Johannes Kepler and the Reform of Astronomy" (Springer), in press

Mahoney, T. J. "Measuring the heavens: how Tycho Brahe revolutionized observational astronomy" in "Reading the Mind of God: Johannes Kepler and the Reform of Astronomy" (Springer), in press

González-García, A.C., Belmonte, J.A. "Caral, the Moon and the River in the preceramic Andes" En CALA (Cultural Astronomy in latin America). Ed. by S. Gullberg and C. Zen Vasconcellos (2024), 135-155 World Scientific: Singapur.

Arregui, I., Van Doorselaere, T. "Coronal heating" in Srivastava A.K., Goossens M., Arregui I. (eds.) "Magnetohydrodynamic Processes in Solar Plasmas" (Elsevier) ISBN: 9780323956642

Khomenko, E., Martínez-Gómez, D. "MHD waves in the partially ionized plasma: from single to multifluid approach" in Srivastava A.K., Goossens M., Arregui I. (eds.) "Magnetohydrodynamic Processes in Solar Plasmas" (Elsevier) ISBN: 9780323956642.

COMUNICACIONES A CONGRESOS INTERNACIONALES (Contributions delivered at International Meetings)

2024-CI

“AAS 243: Meeting of the American Astronomical Society”, 7-11 Enero, Nueva Orleans, EEUU.

Jennelle M.; Hambleton K.; Beck P., Scot F. “Refining Masses and Radii in Eclipsing Binary Systems for the Purpose of Calibrating the Asteroseismic Scaling Relations” (P).

Keshri R., Hambleton K., Beck P., Scot F. “Modeling Oscillating Red Giant Binary Systems Using PHOEBE” (P).

Callahan L., Hambleton K., Beck P., Scot F. “Increasing the Precision of Red Giant Eclipsing Binary Parameters” (P).

"Transients Down Under", 29 Enero-2 Febrero, Melbourne, Australia.

Aguado D. “SN2023ixf: the most detailed flash spectroscopy event observed from the Canary observatories” (CO)

"Galaxies & AGN with the First Euclid Data and Beyond”, 14-16 Febrero, Bolonia, Italia.

Iglesias-Navarro P. “Inferring Stellar Population Properties with Bayesian Deep Learning in the Euclid Era” (CO).

“Yearly meeting of the ERC Synergy Grant "The Whole Sun", 4-22 Marzo, Paris-Saclay, Francia.

Sen S. "Hot Meets Cold: From Eruption to post-flare coronal rain" (IT).

Nóbrega-Siverio, D.; Moreno-Insertis, F.; Galsgaard, K.; Krikova, K.; Rouppe van der Voort, L.; Joshi, R.; Madjarska, M. S. "Deciphering Solar Coronal Heating: Energizing Small-scale Loops through Surface Convection" (CO).

“AECC24: Austrian Early Career Conference”, 8-9 Marzo, Salzburg, Austria.

Grossmann D.H., Beck P.G., Schimak L.S., Muntean N., Johnston C., Zinn J., Mathur S., Hanslmeier A. “KIC 9163796 - Age determination by asteroseismic grid modeling for an oscillating red giant binary” (CO).

Pérez Martínez J.M. “The molecular gas perspective on the growth and death of H α emitters in the Spiderweb protocluster at z=2.16” (CO).

Steinwender L., Beck P.G., Hambleton K., Hanslmeier A. “Unsupervised Classification of RR Lyrae Stars” (CO).

Beck, P. G.; Grossmann, D. H.; Steinwender, L.; Schimak, L. S.; Muntean, N. and the authors of Beck et al. “Constraining stellar and orbital co-evolution through ensemble seismology of solar-like oscillators in binary systems” (P).

Muntean, P.G. Beck, D. Grossmann, L. Schimak, R. A. Garcia, S. Mathur, A. Hanslmeier “Constraining the core-rotation rate along the red-giant evolution” (P).

Suntinger T., Beck P. G., Camalich J. M., Hanslmeier A. “Determination of the Luminosity of Stars at the

Tip of the Red-Giant Branch from Gaia Observations as Proxy for the Effectiveness of Axion Cooling" (P).

Steinwender L., Beck P.G., Hambleton K., Hanslmeier A. "Unsupervised Classification of RR Lyrae Stars" (P).

Michlmayer S., Beck P.G., García R.A., Jiménez A. "The effects of Solar Activity cycles on the asteroseismic parameters from 25 years of observations with GOLF and VIRGO on the ESA SOHO space telescope" (P.)

Marx Y., Beck P.G. "Red giant binaries as seen from TESS and Kepler" (P).

"Cosmic Threads: Interlinking the Stellar Initial Mass Function from Star-birth to Galaxies", 11-15 Marzo, Sexten, Italia.

Vazdekis A. "IMF constrains from stellar population studies in varying spectral ranges" (IT)

"Cosmology in the Alps (SKACH)", 18-22 Marzo, Les Diablerets, Suiza.

Dabhade P. "The spectral index-flux density relation for extragalactic radio sources selected at metre and decametre wavelengths" (CO).

"Abundance Gradients in the Local Universe (ADONIS)", 25 Marzo-19 Abril, Garching (Munich), Alemania

Tantalo M. "Identification and characterization of AGB stars in NGC 6822" (CO).

"European Solar Physics Online Seminars (ESPOS)", 4 Abril (Online)

Nóbrega-Siverio, D.; Moreno-Insertis, F.; Galsgaard, K.; Krikova, K.; Rouppe van der Voort, L.; Joshi, R.; Madjarska, M. S. "Deciphering Solar Coronal Heating: Energizing Small-scale Loops through Surface Convection" (CO).

"SBI for galaxy evolution", 9-12 Abril, Bristol, Reino Unido.

Iglesias Navarro P. "Deriving SFHs of galaxies from spectra with SBI" (CO).

"A new dawn of dwarf galaxies research", 8-13 Abril, Leiden. Países Bajos.

Battaglia G. "Structure and sub-structures of Local Group dwarf galaxies" (IT).

Ferré-Mateu A. "Dwarf galaxies at the extremes" (IT).

"Extreme galaxies in their extreme environments at extremely early epochs", 29 Abril-3 Mayo, Reykjavik, Islandia.

Ferré-Mateu A. "Do compact galaxies host extreme black holes?" (CO).

"SKA Pathfinder Radio Continuum Survey (SPARCS)-XII: Pushing toward the final frontier", 6-10 Mayo, Bolonia, Italia

Dabhade P. "Decoding DDRG growth and environment with the largest sample from LoTSS" (CO).

"IV Meeting on Chemical Abundances in Gaseous Nebulae", 6-10 Mayo, Sao José dos Campos, Brasil.

García-Rojas, J. "MUSE observations of high abundance discrepancy planetary nebulae: when abundance discrepancies turn to be abundance contrasts between two different gas phases" (CO)

Esteban, C. "Evidences of density variations in HII regions and their effects on metallicity determinations" (CO)

"The Cosmic Evolution Early Release Science Survey (CEERS)", 13-15 Mayo, Madrid.

Iglesias Navarro P. "Inferring stellar population properties using simulation-based inference in resolved galaxies from HST+JWST photometry" (CO).

"Star formation across cosmic scales: machine learning insights and applications", 13-17 Mayo, Budapest, Hungria.

"Deriving Star Formation Histories of Galaxies from Spectra with Simulation-based Inference"(CO).

"LOFAR Family Meeting", 3-7 Junio, Leiden, Países Bajos.

Dabhade P. "Probing the Evolution of Radio Quasar Morphologies Across Cosmic Time with LoTSS" (CO).

"Exoplanets 5", 16-21 Junio, Leiden, Holanda

Suárez Mascareño, A. "NIRPS takes a look at Proxima" (P)

Suárez Mascareño, A. "Two temperate Earth-mass planets orbiting the nearby star GJ 1002" (P)

Suárez Mascareño, A. "TESS and ESPRESSO discover a super-Earth and a mini-Neptune orbiting the K-dwarf TOI-238" (P)

"First Structures in the Universe 2024", 24-28 Junio, Paris, Francia

Pérez Martínez J. M. "Galaxy growth and dust-enshrouded star-formation activities in the Spiderweb protocluster at the Cosmic Noon" (IT).

"11th Coronal Loops Workshop", 25-28 Junio, La Laguna, Tenerife.

Daniel Nóbrega-Siverio, Fernando Moreno-Insertis, Klaus Galsgaard, Kilian Krikova, Luc Rouppe van der Voort, Reetika Joshi, Maria Madjarska. "Deciphering solar coronal heating: Energizing small-scale loops through surface convection" (CO).

Andrew Hillier, Inigo Arregui, Matsumoto Takeshi. "A new analytic model for nonlinear wave damping in coronal loops by Kelvin-Helmholtz instability-induced turbulence" (CO).

Dmitrii Y. Kolotkov, Inigo Arregui, Valery M. Nakariakov. "MHD wave damping in hot coronal loops as probe of coronal heating" (CO).

"COSPAR 2024", 13-21 de Julio, Bexco, Busan, Corea del Sur.

Nóbrega-Siverio, D., Moreno-Insertis, F., Galsgaard, K., Krikova, K., Rouppe van der Voort, L., Joshi, R., Madjarska, M. "Deciphering Solar Coronal Heating: Energizing Small-scale Loops through Surface Convection" (IT).

"Galaxies and diffuse gas in large-scale overdense environments at high redshift", 15-19 Julio, Sexten, Italia.

Pérez Martínez J.M. "Galaxy growth and dust-enshrouded star-formation activities in the Spiderweb protocluster at the Cosmic Noon" (IT).

"European Solar Physics Meeting (ESPM-17)", 9-13 Septiembre, Torino, Italia.

Nóbrega-Siverio, D. "Disentangling magnetic reconnection in the solar atmosphere" (IT).

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

2024- CN

“2nd Iberian White Dwarfs Working Group Meeting”, 19-21 Febrero, Madrid.

Rodríguez-Gil P. “The elusive orbital period of the recurrent nova V2487 Oph revealed” (CO).

“Euclid Spain Meeting 2024”, 18-19 Abril 2024, CSIC-ICE, Barcelona.

Montes, M “The LSB Universe through the eyes of Euclid” (IT)

Montes, M.; Kluge, M.; Hatch, N.; Golden-Marx, J.; Gonzalez, A. H. et al. “A View of the Intracluster Light and Intracluster Globular Clusters of the Perseus Cluster” (CO)

Poidevin F, Pérez-Fournon I. “Supernovae and Transients” (CO)

“ESP2024: PLATO Planetary Systems – Formation to Observed Architectures”, 14-16 Mayo 2024, Catania, Italia.

Deeg, H.J. “Circumbinary planet populations: Status and expectations for PLATO” (CO)

“XV Día de Nuestra Ciencia 2024 (DNC2024)”, 7 Junio, La Laguna, Tenerife.

Alisa E. “Solving the paradox of sodium D1 line polarization” (CO).

Arriero Lopez A.M., Rubiño J.A., Cuttaira F., Terenzi L. “Thermal Design and modelling of the Tenerife Microwave Spectrometer: towards high precision spectral measurements of the microwave sky” (P).

Arroyo Apolonio J. M. “Chemo-dynamical characterization of the stellar population in the Sculptor dwarf galaxy” (CO).

Bejar V.S. “First results of the GTC Adaptive Optics commissioning” (CO).

Carnero A. “CosmicBrain Project at the IAC I: Biological Age Determination from the Bispectrum of Magnetic” (CO).

Contreras-Guerra P.D. “Globular Clusters Formation and Evolution in the Auriga Galaxy Simulations” (CO).

Delpueyo Español X. “ALISIO1: El primer satélite canario para observa la Tierra” (CO).

Fernández Alvar E. “The star formation histories of the kinematic thin and thick disks of the Milky Way” (CO).

Kitaura F. “COSMIC SIGNAL: thousands of parallel universes to understand the nature and evolution of our own” (CO).

Kuhn J. and the Liom team “LIOM’s vision: build strategic alliances with established academic and innovative technology companies around the world” (P).

Lacedelli G. “THIRSTEE: testing the water world hypothesis on small transiting exoplanets” (CO).

Le Pivert-Jolivet T. "Analysing the Solar System's Building Blocks: Remotely and in the Laboratory" (CO).

Mallorquín Díaz M. "Masses and radii of planets transiting the closest and youngest star, AU Mic" (CO).

Nari N. "HD 20794: A bright G6V star observed with ESPRESSO and HARPS" (CO).

Navarro Umpiérrez S. "Mini-HAWHs: A pilot survey designed to discover new quiescent BHs" (CO).

Nóbrega-Siverio D. "Deciphering solar coronal heating: Energizing Coronal Bright Points" (CO).

Panizo Espinar G. "The omnipresent flux-dependent optical dip of the unique black hole transient Swift J1357.2-0933" (CO).

Pérez-Fournon I., Poidevin F. on behalf of the LensWatch collaboration "Lensed Type Ia Supernova "Encore" at $z = 2$: The First Instance of Two Multiply Imaged Supernovae in the Same Host Galaxy" (P).

Pérez Martínez J.M. "Caught in the Spiderweb" (CO).

Pinna F. "The formation of nuclear star clusters in massive star-forming spiral galaxies" (CO).

Ramos Almeida C. "Investigating the impact of nuclear activity on galaxy evolution with JWST" (CO).

Saavedra E.A., Armas Padilla M., Muñoz-Darias T. "A Hard X-ray Analysis of the Ultra-Compact X-ray Binary Candidates SLX 1744-299 and SLX 1744-300" (P).

Serra-Ricart M., Maudes A. "TTT project: A new way of doing Science" (P).

Socas-Navarro H. "Searching for Planet 9: The Messenger Hypothesis" (CO).

Streblyanska A., Barrena R. and the WEAVE Cluster Group "First observations of Galaxy Clusters with Weave" (P).

Thomas G. "Spectro-Translator: A new method to homogenize large Spectroscopic catalog" (CO).

Trelles J.C. "Unveiling the hidden magnetism of the quiet Sun along the solar cycle" (CO).

Wu W., Ye X. "Identifying Blue Horizontal Branch (BHB) stars from the low-resolution Gaia XP spectra" (P).

Zerjal M. "Fine structure and baby Jupiters in the Sigma Orionis cluster" (CO).

"XVI SEA 2024: Sociedad Española de Astronomía", 15-19 Julio, Granada.

Ferré-Mateu A. "Ultra diffuse galaxies, simple LSB dwarfs or badly behaved ones?" (CO)

García-Rojas, J. "WEAVE Science verification LIFU data of Galactic planetary nebulae" (CO)

García-Rojas, J. "DESIRED: A database of high-quality spectra to study fundamental problems in ionized nebulae." (P)

Marrero de La Rosa C. "Analysis of Low-Surface Brightness features in the outskirts of massive spiral galaxies." (CO).

Orte García, M. "On the chlorine abundance in HII regions" (CO)

Suárez Mascareño, A. "Two temperate Earth-mass planets orbiting the nearby star GJ 1002" (P)

COMUNICACIONES CORTAS, ARTICULOS EN REVISTAS INTERNACIONALES SIN ÁRBITRO

(Short contributions and papers in non-Refereed International Journals)

2024-CR

Mainieri, V., Anderson R. I., Brinchmann, J. et al (Incluye **Battaglia G., Herrero A.**) “The Wide-field Spectroscopic Telescope (WST). Science White Paper” [2024arXiv240305398M](#)

Fijma, Stefanie et al. (Incluye **Armas Padilla M, Muñoz Darías T.**) “A Disc Wind Where You Least Expect It: The Outflow in the Short-period X-ray Binary UW CrB” *AAS/High Energy Astrophysics Division* [2024HEAD...2150106F](#)

Borowski, Eric et al. (Incluye **Shahbaz T**) “Rapid multiwavelength variability reveals jet emission in the black hole binary V404 Cygni in quiescence” *AAS/High Energy Astrophysics Division* [2024HEAD...2130105B](#)

Belkin, S. et al. (incluye **Dhillon, V.S. Pallé E., Mata-Sánchez D., Rana J.**) “GRB 230911A: The First Discovery of a Fermi GRB Optical Counterpart with the Gravitational-wave Optical Transient Observer (GOTO)” [2024RNAAS...8....6B](#)

Taibi, S.; Roth, M. M.; **Battaglia, G.**; Kamann, S. “An Enigmatic High Excitation Nebula in IC 1613 Dwarf Galaxy” [2024RNAAS...8...45T](#)

Montes, Mireia; Sánchez Almeida, Jorge; Trujillo, Ignacio “Deep HST Imaging Favors the Bulgeless Edge-on Galaxy Explanation for the Hypothetical Stellar Wake Created by a Runaway Supermassive Black Hole” [2024RNAAS...8..150M](#)

Ali, Abduhla; Diercke, Andrea; Hofmeister, Stefan; **Kuckein, Christoph**; Savin, Daniel Wolf; Hahn, Michael “Evaluation of a Magnetic Field Inversion Method Using Only Stokes I” [2024RNAAS...8...15A](#)

Blanton, Lilly; Hillwig, Todd; **Jones, David** “Modeling Close Binary Systems Within Planetary Nebulae” [2024AAS...24311307B](#)

Wood, Hunter; Hillwig, Todd; Reindl, Nicole; **Jones, David** “Modeling Binary Systems Containing the Hot White Dwarfs WD1136+667 and Gaia-DR2-1350” [2024AAS...24336704W](#)

Nidever, David et al. (incluye **Allende-Prieto C.**) “First JWST Results Find No Alpha-Bimodality in M31” [2024AAS...24342805N](#)

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García Broock, Elena (29/02/24) "Improvement of farside activity detection with machine learning techniques and applications".

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