



# XV Reunión Científica

## Sociedad Española de Astronomía

La Laguna (Tenerife), 5-9 de septiembre de 2022

**CIRCULAR 5** - 03.06.2022

[English translation below]

\*\*\*\*\*

XV REUNIÓN CIENTÍFICA DE LA SOCIEDAD ESPAÑOLA DE ASTRONOMÍA

LA LAGUNA, 5 - 9 SEPTIEMBRE DE 2022

\*\*\*\*\*

Estimados colegas,

EL SOC de la próxima Reunión Científica de la Sociedad Española de Astronomía ha terminado el proceso de análisis de las comunicaciones recibidas, y el objetivo de esta circular es comunicar los resultados, proporcionar algunas estadísticas sobre participación e indicar alguna información relevante actualizada.

En estos momentos hay **533 participantes registrados**. Hemos recibido un total de **490 abstracts** entre solicitudes de comunicaciones orales y de posters, sin tener en cuenta 42 charlas invitadas, entre plenarias, charlas en la sesión de España en ESO y las charlas de los premiad@s por sus tesis doctorales. Sin duda, esta reunión científica supondrá un hito en el devenir de nuestra sociedad, y esperamos que todos disfrutemos de la ciencia y la convivencia durante esos días en Tenerife.

La estadística de participación se muestra a continuación. Los porcentajes permiten comprobar no hay sesgos significativos y que la tasa de contribuciones presentadas y aceptadas es similar para hombres y mujeres, siempre teniendo en cuenta que globalmente las mujeres somos alrededor de 1/3 de los miembros de nuestra sociedad.

SESSION	OVER-SUBSCRIPTION	SUBMITTED ORAL WOMEN %	ACCEPTED ORAL WOMEN %	SUBMITTED ORAL MEN %	ACCEPTED ORAL MEN %	SUBMITTED POSTER WOMEN %	SUBMITTED POSTER MEN %
MILKY WAY & COMPONENTS	2.41	28.7	28.2	71.3	71.8	25	75
GALAXIES	2.66	44	44.7	56	55.3	43.5	56.5
INSTRUMENTATION & COMPUTATION	1.37						

COSMOLOGY & ASTROPARTICLES	1.72	26	27.6	74	72.4	28.6	71.4
SOLAR PHYSICS	1.5	33.3	31.2	66.6	68.7	16.6	83.3
EDP	1.62	50	56.2	50	43.7	20	80
PLANETARY SCIENCES	1.46	25.7	29.2	74.3	70.8	50	50
SPAIN IN ESO		44.4		66.6			
PLENARY SESSIONS		45.2		54.8			

El LOC quiere agradecer muy especialmente a tod@s los que han podido completar su registro o están a punto de hacerlo. Con ello, nos están ayudando mucho en la organización. En cualquier caso, es importante recordar **que la fecha límite de los pagos de cuota de inscripción sin recargo es el 15 de junio**, y que de cara a manejar los presupuestos de la Reunión de la manera más ajustada posible, el LOC agradecería mucho que la mayoría de las cuotas de inscripción estuvieran ingresadas para esa fecha.

En la página web de la RC hay novedades sobre los eventos sociales programados, sobre hoteles e información turística en general. En el apartado sobre actividades sociales hay aún cosas por definir (horarios, sobre todo), y hemos puesto como límite el día 17 de este mes de junio para incluir información más concreta para apuntarse a algunas actividades, porque algunas tienen cupo limitado.

Incluimos a continuación la programación de las sesiones invitadas y paralelas, de modo que todos sabréis si el SOC os han asignado una comunicación oral. Tened en cuenta que el factor de sobrepetición, en general ha sido alto. En breve subiremos el programa a la web de la reunión.

Un punto importante es que asumiremos que si nadie se manifiesta al respecto, aquellas solicitudes de comunicación oral que no se han podido aprobar, **pasan directamente a e-posters**.

Para terminar, recordaros que estamos pendientes de decidir el número de **becas** que se pueden asignar a los miembros junior, y por ello **hemos retrasado hasta la semana** que viene su comunicación.

Un saludo cariñoso,

Minia Manteiga (minia.manteiga@udc.es) en representación del SOC

Maria Jesús Martínez González (m.j.martinez@iac.es) en representación del LOC

\*\*\*\*\*

LISTADO DE COMUNICACIONES ORALES (PUEDE HABER CAMBIOS DE ÚLTIMA HORA):

### CONFERENCIAS PLENARIAS

5/9 15:00	<b>J. Cernicharo:</b> Results from Nanocosmos project
-----------	---

5/9 15:30	<b>M. Osorio:</b> Planet formation in extreme conditions
5/9 16:00	<b>G. Busquet:</b> Las etapas tempranas de formación de los cúmulos estelares (to be confirmed)
5/9 16:30	<b>A. Hacar:</b> Recent results on structure, kinematics, and chemistry of molecular clouds
6/9 11:30	<b>T. Antoja:</b> Structure, dynamics and history of the Milky Way disc with Gaia and WEAVE
6/9 12:00	<b>A. Alonso-Herrero:</b> First science with the JWST
6/9 12:30	<b>C. García Miró:</b> Interferometría de muy larga base (VLBI) con SKA (to be confirmed)
6/9 13:00	<b>I. Martí-Vidal:</b> Observing black holes with mm-VLBI and the EHT
6/9 17:30	<b>J.C. del Toro:</b> First SO/PHI"s science nuggets
6/9 18:00	<b>J. Trujillo-Bueno:</b> The CLASP suborbital space experiments
6/9 18:30	<b>R. Oliver:</b> T.N.E. it's dynamite
6/9 19:00	<b>A. N. Ortíz:</b> Magnetic flux emergence in the solar atmosphere
7/9 11:30	<b>R. Zanin:</b> Ciencia con CTA (to be confirmed)
7/9 12:00	<b>A. Domínguez:</b> Cosmología con Fermi-LAT (to be confirmed)
7/9 12:30	<b>C. Delgado:</b> High energy cosmic rays: a review of the field
7/9 13:00	<b>F. Halzen:</b> IceCube: Cosmic Neutrinos and Multi-messenger Astronomy
7/9 15:00	<b>E. Pallé:</b> Exoplanet frontiers I: State-of-the-art detections and characterization
7/9 15:30	<b>E. Villaver:</b> Search for life, exoplanets in evolved stars and protoplanetary discs
7/9 16:00	<b>I. Ribas:</b> Exoplanet frontiers II: Future perspectives
7/9 17:00	<b>J. Peralta:</b> Venus Express y Akatsuki results
7/9 17:30	<b>F. Rull:</b> Mars exploration: current situation and new perspectives
8/9 11:20	<b>G. Bono:</b> Colaboraciones italo-españolas en Astronomía (to be confirmed)
8/9 11:35	<b>F. Zuccarello:</b> The European Solar Telescope
8/9 12:00	<b>A. Font:</b> An overview of the latest gravitational-wave detections by the LIGO-Virgo-KAGRA collaboration
8/9 12:30	<b>A. Borghese:</b> The neutron star bestiary
8/9 13:00	<b>O. Straniero:</b> From stars to elementary particles (and viceversa)
9/9 11:30	<b>I. Domínguez:</b> The Azarquiel School of Astronomy
9/9 12:00	<b>V. González-Pérez:</b> Cosmological surveys with galaxies
9/9 12:30	<b>P. Dayal:</b> Reionización y las primeras protogalaxias a observar por JWST y SKA (to be confirmed)
9/9 13:00	<b>C. Ramos Almeida:</b> Investigating nuclear activity and its role in galaxy evolution.

### Paralela Especial: ESO y España, resultados científicos

17:30	<b>Nicolas Lodieu:</b> Introduction: ESO and its users in Spain
17:40	<b>Belén Alcalde:</b> Road to the stars, promoting the ESO Chile fellowships
17:55	<b>María Rosa Zapatero Osorio:</b> Exoplanets with ESPRESSO. – VLT
18:10	<b>Álvaro Martínez Arranz:</b> VLT observations of the Galactic Center -- VLT
18:25	<b>Josep Miquel Girart:</b> Polarimetric observations of Young Stellar Objects with ALMA
18:40	<b>Santiago García-Burillo:</b> Circumnuclear disks and torii in Seyfert galaxies – ALMA
18:55	<b>Julia de León:</b> Solar system science with the ELT
19:10	<b>Ignacio Sevilla-Noarbe:</b> The role of ESO observations in the Dark Energy Survey (DES)
19:20	<b>Antonia Varela:</b> The challenge of keeping dark and quiet skies above astronomical observatories

### Cosmología y Astropartículas (CA1)

15:00	<b>José M. Diego Rodríguez:</b> Earendel, a $z=6.2$ star individually resolved thanks to strong gravitational lensing ( <b>invitada</b> )
15:30	<b>Mónica Hernández Sánchez:</b> Reconstruction of the primordial density field from galaxy catalogs with higher order hamiltonian Monte Carlo sampling
15:45	<b>Guillermo Reyes Peraza:</b> The Halo Occupation Distribution (HOD) for Euclid galaxies with UnitSims
16:00	<b>Carlos Hernández Monteagudo:</b> J-PLUS DR2: Systematics correction and clustering analyses
16:15	<b>Antonio Hernán Caballero:</b> Precise photo-z for precision cosmology with J-PAS
16:30	<b>Jacobo Asorey:</b> Cosmology with wide extra-galactic radio surveys from SKA Observatory
16:45	<b>Ignacio Sevilla Noarbe:</b> Cosmology with the Rubin Observatory from the Dark Energy Science Collaboration

### Cosmología y Astropartículas (CA2)

09:00	<b>Jorge Casaus Armentano:</b> The HERD Experiment onboard the China Space Station ( <b>invitada</b> )
09:30	<b>Miguel Molero González:</b> Measurement of the Positron, Electron and Proton Anisotropy with AMS-02 on the ISS
09:45	<b>José Ocampo Peleteiro:</b> Measurement of the Fluxes of Cosmic Nuclei with the Alpha Magnetic Spectrometer
10:00	<b>Rubén López Coto:</b> Very-High-Energy gamma-ray detection of RS Oph with the MAGIC telescopes: First evidence of proton acceleration in a nova
10:15	<b>Josefa Becerra González:</b> Searching for transitional very-high-energy gamma-ray blazars
10:30	<b>Irene Jiménez Martínez:</b> Constraining VHE and optical emission from Fast Radio Bursts with the MAGIC telescopes
10:45	<b>Edgar Molina:</b> Gamma-ray observations of the 2018 outburst of MAXI J1820+070

### Cosmología y Astropartículas (CA3)

09:00	<b>José Alberto Rubiño:</b> The QUIJOTE MFI wide survey: A northern sky survey in intensity and polarization at 10–20GHz ( <b>invitada</b> )
09:30	<b>Elena De La Hoz Lopez-Collado:</b> Diffuse polarized foregrounds from component separation with QUIJOTE-MFI

09:45	<b>Patricia Diego Palazeulos:</b> Search for ultra-light axions in the Cosmic Microwave Background polarization
10:00	<b>Jonás Chaves Montero:</b> A nearly complete census of intergalactic gas using the kinematic Sunyaev-Zel'dovich effect
10:15	<b>Antonio Ferragamo:</b> Velocity dispersion vs cluster mass a new scaling law with The Three Hundred Clusters
10:30	<b>Umut Emek Demirbozan:</b> The CMB Lensing Imprint of Cosmic Voids
10:45	<b>David Vallés Pérez:</b> Can matter enter voids?

### Cosmología y Astropartículas (CA4)

09:00	<b>Juan Mena Fernández:</b> 2.7% precision measurement of the Baryon Acoustic Oscillations scale with the Dark Energy Survey Y3 data
09:15	<b>David Aguado:</b> The Cosmological Lithium problem from an observational perspective
09:30	<b>Lluís Galbany:</b> An updated measurement of the Hubble constant from Type Ia supernovae in the near-infrared
09:45	<b>Marcos Muñoz Cueli:</b> Tomography-based observational constraints on the abundance of dark matter halos through the submillimeter galaxy magnification bias
10:00	<b>Miguel Sánchez Conde:</b> The search of dark satellites with gamma rays
10:15	<b>Judit Pérez Romero:</b> Sensitivity of CTA to gamma-ray emission from Perseus galaxy cluster
10:30	<b>Alicia López Oramas:</b> Transient and multi-messenger astrophysics with the Cherenkov Telescope Array
10:45	<b>Xiyang Zhang:</b> Pulsar wind nebula around PSR B1853+01 in X-rays

### Galaxias (G1) CO, HI

09:00	<b>Antonio Usero:</b> The PHANGS survey: molecular ISM and star formation in nearby galaxies (invitada)
09:30	<b>Miguel Querejeta:</b> Do spiral arms enhance the efficiency of star formation?
09:45	<b>María Jesús Jiménez Donaire:</b> First results from VERTICO: The Virgo Environment Traced in CO Survey
10:00	<b>Enrica Bellocchi:</b> New molecular size estimation in local LIRGs at high-spatial resolution with ALMA: comparison among low- and high-z galaxies
10:15	<b>David Rosado-Belza:</b> The evolution of gas in galaxy mergers
10:30	<b>Marie-Lou Gendron-Marsolais:</b> What can bent-jet radio galaxies teach us about clusters of galaxies?
10:45	<b>Rosa Calvi:</b> Probing the existence of a rich, complex galaxy overdensity at $z=5.2$

### Galaxias (G2) Compact galaxies and dark matter // Deep learning/algorithms/simulations for environment

15:00	<b>Mireia Montes:</b> The intracluster light: a luminous tracer of dark matter in clusters of galaxies
15:15	<b>Giulia Golini:</b> Ultra-deep imaging of the galaxies lacking dark matter to unravel their origins
15:30	<b>Sebastien Comerón:</b> News about the extreme relic galaxy NGC 1277: insignificant dynamical effects of dark matter due to the extreme compactness of the baryon distribution
15:45	<b>Luca Costantin:</b> Mining the unrevealed population of red-nugget relics in disk galaxies
16:00	<b>Irene Pintos Castro:</b> A cluster finder algorithm for J-PLUS and J-PAS
16:15	<b>Helena Domínguez Sánchez:</b> Automated detection of tidal features with deep learning

16:30	<b>Anna Contreras Santos:</b> Galaxy pairs in The Three Hundred simulations: are observed pairs close in physical space and is there any way to tell?
16:45	<b>Malgorzata Siudek:</b> Shaping physical properties of VIPERS galaxy: environment matters

### Galaxias (G3) Simulations // Dwarfs

09:00	<b>Francesca Pinna:</b> The interplay of internal and external processes in the buildup of disk galaxies: thick and thin disks in AURIGA simulations ( <b>invitada</b> )
09:15	<b>Regina Sarmiento:</b> Simulation based inference with deep learning to constrain the evolution of MaNGA galaxies
09:30	<b>Salvador Cardona Barrero:</b> Metallicity gradients of Ultra Diffuse Galaxies in NIHAO Simulations
09:45	<b>Ignacio Martín-Navarro:</b> Anisotropic satellite galaxy quenching modulated by black hole activity
10:00	<b>Daniel Walo Martín:</b> Local variations of the Stellar Velocity ellipsoid: an insight from simulations
10:15	<b>Jorge Romero Gómez:</b> Clusters dwarfs galaxies and the $[\alpha/\text{Fe}]$ -mass relation
10:30	<b>Macarena G. del Valle Espinosa:</b> Dancing with dwarfs: Extreme star formation in an interacting pair of low-mass galaxies
10:45	<b>Isabel Santos-Santos:</b> Satellites of dwarfs in LCDM: the LMC and the faint end of the stellar mass-halo mass relation

### Galaxias (G4) Stellar populations / Mass assembly

09:00	<b>Pablo G. Pérez-González:</b> How massive galaxies assemble? Integrated vs 2D analysis of the SFHs and stellar population properties of massive galaxies at $0 < z < 7$
09:15	<b>Rosa María Mérida González:</b> Probing the Star Formation Main Sequence down to $10^7 M_{\odot}$ at $1.0 < z < 4.0$
09:30	<b>Luis Alberto Díaz García:</b> Stellar population studies in the incoming J-PAS survey
09:45	<b>Laura Scholz-Díaz:</b> Stellar populations
10:00	<b>Jairo Méndez-Abreu:</b> The separated star formation main sequence of bulges and disks. New clues for the galaxy mass assembly
10:15	<b>Patricia Sánchez-Blázquez:</b> CATARSIS: Calar Alto "Tetra-ARmed Super-Ifu Spectrograph" Survey
10:30	<b>Mario Chamorro Cazorla:</b> MEGADES: MEGARA Galaxy Disks Evolution Survey
10:45	<b>Iker Millan Irigoyen:</b> Stellar Populations in type Ia supernova host galaxies at intermediate-high redshift: Star formation and metallicity enrichment histories

### Galaxias (G5) AGNs and Black Holes

09:00	<b>Jorge Sánchez Almeida:</b> Discovery of faint double-peak H $\alpha$ emission in the halo of low redshift galaxies: it seems to be produced by rogue Intermediate Mass Black Holes (IMBHs)
09:15	<b>Anna Ferré-Mateu:</b> From dwarf to monster black holes in the realm compact galaxies
09:30	<b>Lorenzo Barquín-González:</b> Origin of the optical spectroscopic classification of AGN
09:45	<b>Giovanna Speranza:</b> The role of AGN feedback in six local Type-2 quasars
10:00	<b>Koushika Vaiyapuri Palanimuthu:</b> Studying the X-ray spectral properties of nearby AGN using clumpy torus model
10:15	<b>Laura Hermosa Muñoz:</b> How common are outflows in low luminosity AGNs?

10:30	<b>Beatriz Agís González:</b> Spectropolarimetry of GSN 069: the source of the quasi-periodic eruptions
10:45	<b>Ignacio del Moral Castro:</b> Are active galaxies different at large-scale than their non-active twin galaxies?

### Vía Láctea y sus componentes (VL1)

### GAIA

09:00	<b>Zofia Chrobakova:</b> Warp and flare of the Galactic disc revealed with supergiants by Gaia EDR3
09:30	<b>Rob Grand:</b> Clues to the formation of Galactic structure from cosmological hydrodynamical simulations
09:45	<b>Jorge Guzmán Díaz:</b> Characterization of intermediate mass young stars from spectral energy distributions and Gaia EDR3
10:00	<b>Michelangelo Pantaleoni:</b> A 3D map of the solar neighbourhood using OB stars and Gaia DR3
10:15	<b>Carlos Cifuentes:</b> About the multiplicity of M dwarfs
10:30	<b>Lara Pallas:</b> The power of XP Gaia spectrophotometry and Self-Organizing Maps to analyse the evolutionary state and physical properties of Milky Way stars
10:45	<b>Marcel Bernet:</b> From ridges to manifolds with Gaia EDR3 and DR3: 3D characterization of the moving groups in the Milky Way disk

### Vía Láctea y sus componentes (VL2)

### CHEMODINAMICS AND CLUSTERS

15:00	<b>Pablo Santos-Peral:</b> High-precision Mg abundances in the metal-rich Galactic disc: chemodynamical relations and comparison with chemical evolution models
15:15	<b>C. López-Sanjuán:</b> Spectral evolution and calcium white dwarfs in J-PLUS
15:30	<b>C. Esteban:</b> About metallicity variations in the Milky Way and other nearby galaxies using direct determinations of abundances from HII region spectra
15:45	<b>Ignacio Negueruela:</b> Strong lithium lines in red supergiants
16:00	<b>Maren Brauner:</b> Correlations between elemental abundances on a large sample of P-rich stars
16:15	<b>Raúl Castellanos:</b> An Infrared view of NGC3603 and Westerlund 1
16:30	<b>Giovanni M Mirouh:</b> Detailed equilibrium and dynamical tides: impact on circularization and synchronization in open clusters
16:45	<b>Karla Peña-Ramírez:</b> Open clusters under the NIR lense

### Vía Láctea y sus componentes (VL3)

### NP and Supernoves

09:00	<b>Jorge García-Rojas:</b> High-ADF planetary nebulae through the eyes of a MUSE
09:15	<b>David Jones:</b> Post-red-giant-branch planetary nebulae
09:30	<b>Javier Alcolea:</b> Determining the orbital parameters of binary systems with an AGB primary
09:45	<b>Arturo Manchado:</b> The interaction of a planetary nebula with the ISM
10:00	<b>V. Gómez-Llanos:</b> Ad-hoc Ionization Correction Factors from Machine Learning Algorithms for PN PC 22
10:15	<b>M. Gómez-Garrido:</b> Continuum and line emission of the symbiotic binary R Aqr
10:30	<b>José F. Gómez:</b> Water fountains: the last cry of dying stars?

10:45	<b>María Arias:</b> Remanentes de supernova a muy bajas frecuencias: observaciones con LOFAR
-------	--

**Vía Láctea y sus componentes (VL4) Stars and BH**

09:00	<b>Juan Carlos Suárez:</b> Determining density and gravity of intermediate-mass stars with Convolutional Neural Networks
09:15	<b>Tarek Hassan:</b> Astronomy beyond the mili-arcsecond: the potential of intensity interferometry in the Canary Islands
09:30	<b>Artemio Herrero:</b> 2MASS J20395358+4222505, a Rosetta Stone in the realm of massive stars
09:45	<b>A. García-Hernández:</b> The period-luminosity-color diagram: identifying the fundamental radial mode in A/F stars with Kepler and Gaia
10:00	<b>Virginia Cúneo:</b> Optical accretion disc winds in accreting white dwarfs
10:15	<b>Daniel Mata Sánchez:</b> A cold wind during the discovery outburst of the black-hole MAXI J1803-298
10:30	<b>Pep Covas:</b> Continuous gravitational waves from unknown neutron stars in binary systems
10:45	<b>Mar Carretero-Castrillo:</b> New massive runaways stars and their phenomenology

**Vía Láctea y sus componentes (VL5) FE+Dust**

09:00	<b>Miriam García-Santamaría:</b> Submm imaging of the Galactic Center starburst Sgr B2
09:15	<b>Rubén Fedriani:</b> The SOFIA Massive (SOMA) Star Formation Survey and the open-source python package sedcreator
09:30	<b>Miguel Vioque:</b> A new perspective on the intermediate- to high-mass star formation
09:45	<b>Guillermo Blázquez Calero:</b> Bow-shock substructure of molecular outflows from protostars
10:00	<b>Leire Beitia-Antero:</b> The role of dust grains in the chemical evolution of the ISM
10:15	<b>David Navarro-Almáida:</b> Linking dust and chemical evolution: Taurus and Perseus
10:30	<b>Victor Almendros-Abad:</b> Is brown dwarf formation environment-dependent? A case study in NGC 2244
10:45	<b>J. B. Climent:</b> Anatomy of an exo-aurora: the magnetosphere of a brown dwarf

**Instrumentación y supercomputación (IS1) Machine Learning**

15:00	<b>F. Anders:</b> Exploiting the full Gaia data: Transferring spectroscopic stellar labels to Gaia DR3 stars with supervised learning techniques
15:15	<b>P.M. Sánchez Alarcón:</b> Fully Adaptive Bayesian Algorithm for Data Analysis. FABADA
15:30	<b>J. R. Rodón:</b> Obtaining a classification of A-F stars through clustering analyzing the morphology of the light curve
15:45	<b>M. Santander García:</b> Do machines dream of modelling AGB stars?
16:00	<b>D. de Andrés:</b> Machine learning within the THREE HUNDRED simulation project.
16:15	<b>D. de la Fuente:</b> Web-based telluric correction made in Spain: spectral fitting of Vega-type telluric standards
16:30	<b>M. Álvarez-González:</b> GUASOM flavour DR3: Gaia utility based on Self-Organizing Maps for the analysis of classification outliers in DR3



16:45	<b>R. Baena Gallé:</b> Astrometric Centering of WFPC2/HST images with Deep Learning
-------	---

### Instrumentación y supercomputación (IS2) Instruments

### Future

09:00	<b>A. Gil de Paz:</b> TARSIS, the future 9-arcmin <sup>2</sup> Integral Field Spectrograph for the CAHA 3.5m
09:15	<b>L. Verdes Montenegro:</b> Status of the SKA project and the SKA Regional Centre Network
09:30	<b>N. Lodieu:</b> The ExoLife Finder project: a prototype hybrid interferometer telescope to be installed at Teide Observatory
09:45	<b>M. Barcells:</b> Future plans for the William Herschel and Isaac Newton telescopes
10:00	<b>V. J. S. Béjar:</b> The GTC Adaptive Optics and Laser Guide Star system (GTCAO-LGS) and GRANCAIN, the first scientific AO camera.
10:15	<b>J. González Hernández:</b> ANDES: the ArmazoNes high Dispersion Echelle Spectrograph for the ELT
10:30	<b>A. Prieto:</b> The power of Extreme Angular Resolution with GTC +FRIDA: getting there and science paths
10:45	<b>F. Garzón:</b> EMIR upgrade: installing a new Hawaii 2RG detector

### Instrumentación y supercomputación (IS3) Archives

### Instrumentation +

09:00	<b>A. Marín-Franch:</b> Commissioning, on sky performance and first scientific operations of JPCam, a 1.2 Gpixel camera for the wide-field 2.6m Javalambre Survey Telescope
09:15	<b>A. Labiano:</b> The European JWST archive and associated tools
09:30	<b>Vivek Gualani:</b> Whispering Gallery Mode Resonators as ultra-stable frequency reference for astronomy and gravitational observatories.
09:45	<b>X. Manyosa:</b> Development of a miniaturized low-noise magnetometer for space missions
10:00	<b>M. Nofraías:</b> The LISA Diagnostic Subsystem
10:15	<b>S. Eskandarlou:</b> Scatter light field in multi-color and its automatic subtraction
10:30	<b>A.S. Borlaff:</b> Exploring the ultra-low surface brightness Universe from space: Current and future challenges
10:45	<b>D. Nespral:</b> Update of Fastcam, the lucky imaging instrument at the Observatorios de Canarias (OCC)

### Instrumentación y supercomputación (IS4)

### Miscelánea

09:00	<b>B. García Lorenzo:</b> The participation of the Instituto de Astrofísica de Canarias in HARMONI/ELT
09:15	<b>K. Rubke:</b> ASTRO+: Design, construction, and scientific exploitation of a large-scale massive star spectroscopic database
09:30	<b>A. Cabrera-Lavers:</b> GTC Science Operation Status and Instrumentation plan
09:45	<b>G. Pascual Cisneros:</b> Optimization of a microwave polarimeter for astronomy with optical correlation and detection
10:00	<b>F. Prada:</b> A new integral field instrument for the OSIRIS spectrograph on the Gran Telescopio CANARIAS
10:15	<b>N. Ospina:</b> Hyper-Kamiokande: the next generation of neutrino detectors
10:30	<b>M. Rodríguez-Monroy:</b> Colour corrections from atmospheric transmission with AuxTel for LSS

10:45	<b>J. Piqueras-López:</b> CAB contribution to the instrument ELT-HARMONI: the last steps of its design phase
-------	--

**Ciencias Planetarias (CP1) SS Small Bodies**

09:00	<b>Adriano Campo Bagatín:</b> The NASA DART mission: prepared for impact ( <b>invitada</b> )
09:30	<b>Javier Licandro:</b> The next generation ATLAS unit for Teide Observatory
09:45	<b>Nair Trógolo:</b> Ejecting regolith from the surface of rapidly rotating asteroids
10:00	<b>Po- Yen Liu:</b> Influence of the DART impact on Dimorphos
10:15	<b>Laura M. Parro:</b> POSSible link between boulders and craters in the top-shape asteroids
10:30	<b>T. Santana-Ros:</b> Unveiling the interior secrets of the Solar System
10:45	<b>D. Morate:</b> Mineralogical analysis of 14 PHAS from ViNOS data

**Ciencias Planetarias (CP2) Discs**

15:00	<b>P. Riviere Marichalar (invited):</b> Chemical, morphological and dynamical study of circumstellar material in AB Aur
15:30	<b>J.C. Vallejo Chavarino:</b> Formation of ring-like structures in flared alpha-discs with X-ray/FUV
15:45	<b>A. Santamaría Miranda:</b> The early stages at substellar formation in Lupus molecular cloud
16:00	<b>I.Rebollido:</b> The search for gas in debris discs: ALMA detection of CO in HD 36546
16:15	<b>J. de León:</b> Characterization of NEAs in the frame of NHATS program using the 10.4m Gran Telescopio Canarias
16:30	<b>F. Tinaut Ruano:</b> Finding correlations between hydration bands and NUV behavior in primitive asteroids
16:45	<b>P. G. Benavidez:</b> Exploring the collisional evolution of small bodies in the early dynamical instability

**Ciencias Planetarias (CP3) Planets + Exoplanets**

09:00	<b>J. Roy-Pérez:</b> Nubes y nieblas en las atmósferas de Urano y Neptuno en base a observaciones de HST/WFC3
09:15	<b>A.Anguiano-Arteaga:</b> Estudio de la estructura vertical de las nubes de la Gran Mancha Roja de Júpiter, su entorno y del óvalo BA entre 2015 y 2021 a partir de imágenes del HST/WFC3
9:30	<b>J.A.Caballero:</b> Here comes the GJ 486
9:45	<b>S. Pérez-Hoyos:</b> Caracterización de atmósferas de planetas extrasolares basada en espectroscopía con HST/WFC3
10:00	<b>Jun- Yan Zhang:</b> Chemical Components Analysis of Atmospheres of Ultracool Objects using Laboratorial Spectra
10:15	<b>M. Pérez-Torres:</b> Radio observations as a tool to unveil star-planet interaction in M-dwarfs
10:30	<b>N. Barrado-Izaguirre:</b> Evolución temporal de las ondas circumpolares de Júpiter observadas por el HST
10:45	<b>O. Balsalobre Ruza:</b> The KOBE experiment. KOBEsim: improving RV planet detection through efficient scheduling

**Ciencias Planetarias (CP4) Planets - Mars**

09:00	<b>A. Cardesín Moineo:</b> Mars wind & Wave Mapping (MWWW) project: Martian atmosphere dynamics seen from Earth telescopes, Space Missions and 3D climate models
09:15	<b>M.A. López Valverde:</b> Martian atmospheric temperature and density profiles at high vertical resolution from solar occultation measurements by NOMAD/Trace Gas Orbiter
09:30	<b>G. Gilli:</b> On the effect of the obliquity of Mars to the Hydrogen escape and the fate of water in the last millions of years
09:45	<b>A. Brines:</b> Water vapor vertical distributions in Martian atmosphere from TGO/NOMAD observations
10:00	<b>Ashimananda Modak:</b> Martian CO profiles from the solar occultation experiment of NOMAD on board TGO
10:15	<b>J. Hernández Bernal:</b> Exploring the mysteries of the elongated cloud on the Arsia Mons volcano on Mars
10:30	<b>F. González Galindo:</b> Hydrogen escape at Mars: study with a Global Climate Model
10:45	<b>A. Stolzenbach:</b> Composition and size of Martian aerosols as seen by NOMAD-SO

### Física Solar (FS1)

09:00	<b>Ernest Alsina Ballester:</b> Solving the paradox of the solar sodium D1 line polarization
09:15	<b>Tanausú del Pino Alemán:</b> Inferring and measuring the Sun's global magnetic field using the Hanle effect
09:30	<b>Llorenç Melis Sánchez:</b> Alfvén wave heating in partially ionised thin threads of solar prominences
09:45	<b>Tobías Felipe:</b> Chromospheric oscillations in a pore: synthetic and real fast-cadence observations
10:00	<b>Carmen Gámez:</b> Precision measurement of daily Proton, Helium, Electron and Positron fluxes by AMS
10:15	<b>Manuel Flores Soriano:</b> From noise to signal: adapting SMOS to space weather operations
10:30	<b>Consuelo Cid:</b> The Spanish Space Weather Service (SeNMEs)
10:45	<b>Iñigo Arregui:</b> A Probability Distribution for the Amplitude of Solar Cycle 25

### Física Solar (FS2)

09:00	<b>Andrea Perdomo:</b> Optimized opacity for near-surface convection simulations of cool stars with the MANCHA code
09:15	<b>Luis Bellot Rubio:</b> Unipolar and bipolar magnetic flux appearance in the solar internetwork
09:30	<b>Sara Esteban Pozuelo:</b> The physical properties of light bridges depending on the geometric height
09:45	<b>Matheus Kriginsky:</b> Non-LTE inversions of chromospheric fibrils
10:00	<b>Christoph Kuckein:</b> Atmospheric properties inferred from high-resolution Ca II 854.2 nm intensity inversions in an M-class flare
10:15	<b>Iballe Cabello:</b> A textbook example of magnetic flux emergence leading to EBs, UV bursts, surges and EUV signatures
10:30	<b>Daniel Nóbrega-Siverio:</b> A 2D model for Coronal Bright Points: association with spicules, UV bursts, surges and EUV jets
10:45	<b>Andrés Asensio Ramos:</b> Learning to do multiframe blind deconvolution unsupervised

### Enseñanza, divulgación y patrimonio (EDP1) ENSEÑANZA

09:00	<b>Sandra Benítez Herrera:</b> The CESAR initiative in the pandemic era
-------	---

09:15	<b>David Jones:</b> Per aspera ad astra simul: ERASMUS+ strategic partnerships for international education and outreach
09:30	<b>Nayra Rodríguez Eugenio:</b> PETeR: robots looking to the future
09:45	<b>Iñaki Ordóñez Etxebarria:</b> Ciencia y Tecnología marciana en el Bachillerato de Investigación
10:00	<b>Antonio Eff-Darwich:</b> Mi aula en Marte: fomentando la ciencia del presente con sueños de futuro
10:15	<b>Sara González Pérez:</b> DRAGO: Educational project to bring Space Science and Technology to schools
10:30	<b>Leire Beitia-Antero:</b> Universo Complutense: un blog de apoyo para los estudiantes de astronomía y astrofísica
10:45	<b>Nataly Ospina:</b> Mentoring and internship programs as tools to overcome inequalities for astronomy undergraduate students in Colombian Institutions: RECA

**Enseñanza, divulgación y patrimonio (EDP2) patrimonio**

**Inclusión, divulgación,**

15:00	<b>Juan A. Belmonte:</b> Paseando con una brújula: Michael Hoskin y la puesta en valor del patrimonio astronómico más antiguo de España
15:15	<b>Isabel Rebolledo:</b> Acompañando a las astrónomas: programa de mentoría de CMYA
15:30	<b>Enrique Pérez Montero:</b> The outreach project Astroaccesible to teach astronomy to impaired people: New activities and strategies in pandemic times
15:45	<b>Lucía González Cuesta:</b> Allande Stars: Proyecto de Divulgación Científica Itinerante en Astronomía en zonas rurales
16:00	<b>Carlos Tejero:</b> El cielo de Salamanca
16:15	<b>Sabina Ustamujic:</b> 3DMAP-VR: A Project to Visualize Three-dimensional Models of Astrophysical Phenomena in Virtual Reality
16:30	<b>Montserrat Villar Martín:</b> Cultura con C de Cosmos: Vida
16:45	<b>Jorge Hernández Bernal:</b> Ética espacial: reflexiones sobre un curso de verano interdisciplinar

.....  
English version.

Dear colleagues,

The SOC of the next Scientific Meeting of the Spanish Astronomy Society has finished the process of analyzing the communications received, and the objective of this circular is to communicate the results, provide some statistics on participation and indicate some updated relevant information.

There are currently **533 registered participants**. We have received a total of **490 abstracts** between requests for oral communications and posters, without taking into account 42 invited talks, including plenary sessions, talks in the eso-Spain session and the talks of the winners for their doctoral theses. Without a doubt, this scientific meeting will be a milestone in the future of our society, and we hope that we all will enjoy science and coexistence during those days in Tenerife.

The participation statistics are shown below. The percentages make it possible to verify that there are no significant biases and that the rate of contributions

presented and accepted is similar for men and women, always bearing in mind that globally, women are around 1/3 of the members of our society.

SESSION	OVER-SUBSCRIPTION	SUBMITTED ORAL WOMEN %	ACCEPTED ORAL WOMEN %	SUBMITTED ORAL MEN %	ACCEPTED ORAL MEN %	SUBMITTED POSTER WOMEN %	SUBMITTED POSTER MEN %
MILKY WAY & COMPONENTS	2.41	28.7	28.2	71.3	71.8	25	75
GALAXIES	2.66	44	44.7	56	55.3	43.5	56.5
INSTRUMENTATION & COMPUTATION	1.37						
COSMOLOGY & ASTROPARTICLES	1.72	26	27.6	74	72.4	28.6	71.4
SOLAR PHYSICS	1.5	33.3	31.2	66.6	68.7	16.6	83.3
EDP	1.62	50	56.2	50	43.7	20	80
PLANETARY SCIENCES	1.46	25.7	29.2	74.3	70.8	50	50
SPAIN IN ESO		44.4		66.6			
PLENARY SESSIONS		45.2		54.8			

The LOC wants to especially thank all those who have been able to complete their registration or are about to do so. With this, they are helping us a lot in the organization. In any case, it is important to remember that **the deadline for payment of the registration fee without surcharge is June 15**, and that in order to manage the meeting's budgets as closely as possible, the LOC would greatly appreciate it if the majority of the registration fees were deposited by that date.

On the RC website there are news about scheduled social events, about hotels and tourist information, in general. In the section about social activities there are still things to be defined (schedules, above all), and we have set a limit of June 17 to include more specific information to sign up for some activities, because some of them will have limited space.

We include above, in the Spanish version of this email, the schedule of the invited and parallel sessions, so that everyone will know if the SOC has assigned them an oral communication. Keep in mind that the oversubscription factor has generally been high. Soon, we will upload the complete scientific program at the meeting website.

An important point is that we will assume that if no one speaks about it, those oral communication requests that could not be approved **go directly to e-posters**.

To finish, we remind you that we are pending to decide the number of **scholarships** that can be assigned to junior members, and for this reason we have delayed its communication until **next week**.

A warm greeting,

Minia Manteiga (minia.manteiga@udc.es) en representación del SOC

Maria Jesús Martínez González (m.j.martinez@iac.es) en representación del LOC