

20:00

CÓCTEL DE BIENVENIDA Y RECOGIDA DE ACREDITACIONES

Restaurante la Chumbera

Con la colaboración de la Universidad Internacional de Valencia - VIU



15 JULIO

08:30-09:00

Registro

PREMIADOS:

Jorge Hernández Bernal:

Meteorological phenomena on Mars studied with Mars Express VMC images. Premio tesis SEA 2023, modalidad Astrofísica (ex aequo)

Samuel Brieden:

From the Precision Era, towards the Accuracy Era of Cosmology with DESI. Premio tesis SEA 2023, modalidad Astrofísica (ex aequo)

Francisco Javier Bailén:

Spectropolarimetric and imaging properties of Fabry-Pérot etalons. Applications to solar instrumentation. Premio tesis SEA 2023, modalidad Instrumentación, Computación y Desarrollo Tecnológico en Astronomía.

Julio Arrechea Rodríguez:

Hydrostatic equilibrium in the semiclassical approximation. Premio tesis SEA 2024, modalidad Astrofísica

09:30-10:00

Apertura

Auditorio

10:00-11:15

Premios SEA Tesis

Auditorio

11:15-11:45

Pausa Café

11:45-12:30

RRHH y Coordinadores PNs

Auditorio

12:30-13:00

Plenaria Inaugural: Modera: Lola Balaguer

Auditorio

Miguel Ángel Pérez Torres (IAA IAA-CSIC)

"Science with SKA: the mother of all radiotelescopes"

13:00-13:30

Plenaria Sostenibilidad: Modera: Lola Balaguer

Auditorio

Fernando Valladares (Museo Nacional de Ciencias Naturales, CSIC)

"La ciencia, ante la inacción ambiental y social, debe pasar de la advertencia a la insistencia y a la acción "

13:30-15:15

Comida y sesiones Especiales / Sala Péndulo

SE_Sostenibilidad Modera: Lola Balaguer-Núñez

ID430 Romano Luigi María Corradi	Sostenibilidad de los Observatorios españoles	ID253 Ignacio González Martínez-Pais	Acciones para la sostenibilidad en institutos de investigación	ID210 Pablo Arnalte-Mur	Resultados de la encuesta SEA Cero CO2 2024	ID246 Jorge Hernández Bernal	Propuestas y reflexiones para dar la vara con la ecología desde la academia	ID117 Victoria González Rodríguez	Buenas prácticas para la sostenibilidad en el trabajo	Mesa redonda con la presencia de Fernando Valladares y los ponentes
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SESIONES PARALELAS TRADICIONALES

- GX:** Galaxias
- CP:** Ciencias planetarias
- CA:** Cosmología y astropartículas
- IS:** Instrumentación y supercomputación
- EDP:** Enseñanza, divulgación y patrimonio
- VL:** Vía Láctea y sus componentes
- FS:** Física solar

SIMPOSIOS

- S_Galaxy_surveys:** Star formation, environment and AGN feedback as drivers of Galaxy evolution (GX)
- S_Cosmology:** Constraining cosmology with galaxy surveys (CA)
- S_Low_brightness:** Deciphering the low surface brightness universe (CA)
- S_Origin:** On the origin of stars and their planets: A holistic view (VL)
- S_Here&There:** Here and There: Solar System and Exoplanetary research (CP)
- S_X-rays:** Spanish participation in X ray observatories: past, present and future (IS)
- S_Cultura:** Cultura y Astronomía (EDP)
- S_Igualdad:** Igualdad, diversidad e inclusión en la SEA (EDP)

MINISIMPOSIOS

- MS_Bars:** Revealing the formation and evolution of high redshift bars and local bars GX
- MS_DE_Survey:** The Dark Energy Survey : a vast dataset for cosmology and astronomy CA
- MS_Transients:** Astrophysical transients and time domain astronomy VL
- MS_SVO:** 20 years of science with the Virtual Observatory : a story of success VL)
- MS_WEAVE:** The involvement of the Spanish community in WEAVE: from survey preparation to first science results VL
- MS_Sonification:** Exploring New Horizons : Transforming Astronomy Through Sonification and Multidisciplinary Innovation EDP

SESIONES ESPECIALES

- SE_CAVITY:** CAVITY project first data release: Introducing the project and data (GX)
- SE_Gaia:** Gaia ESA Archive hands-on sesión (VL)
- SE_Cosmic_dust:** Synergies between cosmic dust and star and planet formation (VL)
- SE_CPESS:** Ciencias Planetarias y Exploración del Sistema Solar (CP)
- SE_Synergies_Everywhere:** Everywhere: Synergies between Solar System and exoplanetary research (CP)
- SE_HWO:** Habitable Worlds Observatory - Science, Technology, Architecture Review Team
- SE_IRAM:** The IRAM 30m telescope: a versatile facility of (sub-) mm astronomy (IS)
- SE_JPAS: J-PAS:** exploring the sky in 56 optical colours (IS)
- SE_CATARSIS:** Preparing for CATARSIS: the new legacy survey for the 3.5 m telescope at CAHA (IS)
- SE_SKA:** Square Kilometer Array (IS)
- SE_ProAM:** Colaboración Proam en España: pasado, presente y futuro (EDP)
- SE_Eclipses:** Preparándonos para los próximos eclipses (EDP)
- SE_Mentoring:** Meeting of the SEA Mentoring Program for Female Astronomers (Reunión privada)
- SE_Sostenibilidad:** "Don't look up." Nuestro papel en la sostenibilidad
- SE_Doctores:** Guía de Supervivencia en ciencia para doctores recientes/Science Survival Guide for New PhDs



youtube.com/seastronomia



15:15-17:15

Sesiones Paralelas

AUDITORIO: S_GALAXY_SURVEYS_1

Moderadora: Rosa González Delgado & Mirjana Povic

ID451	Almudena Alonso Herrero	Galactic Activity, torus, and outflow survey (GATOS): First JWST results
ID431	Laura Hermosa Muñoz	MIRI Characterization Of Nearby Infrared galaxy Centers (MICONIC): first results of the JWST MIRI/MRS GTO program
ID249	Silvia Bonoli	Galaxy evolution studies with the J-PAS narrow-band photometric survey
ID144	Luis Díaz-García	Formation and evolution of the stellar content of galaxies in the J-PAS era
ID028	Alejandro Lumberras-Calle	Local Extreme Emission Line Galaxies as gateways to the early Universe: insights from wide galaxy surveys
ID619	Rahna P. T.	A J-PLUS spatially resolved study of emission line features and star-formation in nearby galaxies
ID506	Jesús Falcón-Barroso	The WEAVE-Apertif survey

FARADAY: SP_EDP_1

Moderadora: Amelia Ortiz

ID013	Mirjana Povic	SciGirls - Empowering girls and female teachers through astronomy in conflict-affected rural areas
ID101	Elena Manjavacas	The SEA Mentoring Program for Female Astronomers
ID258	Cintia Cabada	TARDÍGRADOS Y ASTROBIOLOGÍA: DÓNDE LA ASTROFÍSICA Y LA BIOLOGÍA SE ENCUENTRAN EN LA UNIVERSIDAD DE VIGO
ID213	Luis González	Teaching Astronomy with the Virtual Observatory
ID026	Marcos Villaverde Aparicio	Divulgación en el Observatorio del SKA y el papel de la Ciencia Abierta en diseminación
ID067	David Montes	Visitas guiadas al Observatorio UCM
ID360	David Nespral	El observatorio astronómico del Teide, presente y futuro
ID477	Miguel Querejeta	Real Observatorio Astronómico de Madrid: ciencia, historia y patrimonio
ID309	Laura Hermosa Muñoz	Allande Stars: divulgación científica en zonas rurales

CINE 3: S_COSMOLOGY_1

Moderadora: Jonás Chaves

ID649	Violeta González-Pérez	DESI 2024 Cosmological Results and model galaxies
ID107	Hector Gil Marín	Cosmology results of the DR1 of DESI
ID455	Nicola Deiosso	First DESI Cosmology results: Parameter inference with Simulations and Combination of Observational Data
ID437	Sergio Contreras	GalaxyEmu-Planck: An emulator to reproduce galaxy clustering, galaxy-galaxy lensing and beyond 2-point statistics
ID572	Ginevra Favole	Modelling the distribution of galaxy multi-tracers through cosmic time
ID574	Santiago Ávila	Emission-Line-Galaxy Clustering: the need for conformity and extending the NFW profile
ID645	Julia Ferrer Ereza	Testing the LCDM cosmology: high-fidelity galaxy lightcones for BOSS, eBOSS and DESI

ESERO: S_ORIGIN_1

Moderadora: Ruben Fedriani

	Ignacio Mendigutía, Mayra Osorio	Welcome and Introduction to the symposium
	Gary Fuller	Advances and prospects on large-scale star formation
ID287	Gemma Busquet	The VLA Orion A Large Survey
ID239	Alvaro Sanchez-Monge	ALMAGAL: Evolutionary study of high-mass proto-cluster formation in the Galaxy
ID261	Marta González	Evolutionary Gradients in Star-Forming regions
ID317	Núria Miret Roig	Synchronizing stellar clocks to probe star and planet formation
ID284	Josep M. Masqué	Studying the gas with extremely high velocity associated with IRAS 18162-2048.

EINSTEIN: SE_CPSS

17:15-17:45

Pausa Café

17:45-19:30

Sesiones Paralelas

AUDITORIO: SP_GALAXIAS_1

Moderadora: Montserrat Villar

ID270	Omaira González Martín	Descubriendo al polvo debajo de la alfombra de los núcleos activos con James Webb
ID279	Irene Shivaei	Unveiling Dust Beyond the Local Universe in the JWST Era
ID058	Carmen Blanco	Unveiling the spatially resolved ISM in the lensed A1689-zD1 galaxy at z~7.1
ID087	Donaji Esparza Arredondo	Studying the dusty-gas properties of AGN using a simultaneous fit of mid-infrared and X-ray data
ID294	Zahra Sharbaf	Ultra-deep imaging of M33: exploring its stellar halo with broad band imaging for the first time
ID201	Antonio Arroyo Polonio	Unraveling the Kinematics of IZw18: A Detailed Study of Ionized Gas with MEGARA/GTC
ID045	Nelida Díaz-Fernandez	Gas flows, radial migration, and the nature of spiral arms in spiral galaxies

PÉNDULO: SP_VÍA LÁCTEA_1

Moderadora: Mercè Romero

ID059	María Luisa García Vargas	MEGASTAR: la librería estelar de alta resolución (R~20000) observada con MEGARA en GTC: segunda release
ID102	Mar Carretero-Castrillo	New stellar bow shocks around O and Be runaway stars found using WISE and Gaia DR3
ID170	Judith Ardèvol	Dynamics of spiral arms across stellar populations in hydrodynamical simulations
ID324	Xabier Pérez-Couto	White dwarf spectral classification using Gaia XP spectra: an unsupervised machine learning approach
ID434	John Eduard Martínez Fernández	Exploring the Milky Way metallicity gradient using open cluster stars
ID487	Lara Pallas-Quintela	Gaia's XP spectra reddening removal using machine learning techniques.

FARADAY: SP_EDP_2

Moderadora: David Montes

ID182	Santiago Pérez-Hoyos	Enfoques divulgativos con perspectiva desde la Ética Espacial
ID538	Laura Toribio San Cipriano	Phy6cool: Escuela de verano de física de partículas, astropartículas y cosmología.
ID590	Beatriz M. González García	"Piensa globalmente, actúa localmente" - Las Space Science Experiences CESAR
ID070	Miguel Á. Satorre	La magia de la ciencia
ID209	Jorge Rivero González	La astronomía para paliar la segregación escolar: lecciones aprendidas de la participación en el programa Magnet
ID300	Nataly Ospina	RECA Education: An initiative to bring astronomy to Colombian schools
ID375	Amelia Ortiz-Gil	Telegrama a un planeta: Comunicando Astronomía con los aliens

CINE 3: S_COSMOLOGY_2

Moderadora: Sergio Contreras

ID511	Carles Sánchez Alonso	Pushing the limits of imaging galaxy surveys: Cosmology and astrophysics at higher redshifts
ID440	Carlos Hernández-Monteagudo	Exploring and exploiting the Cosmological Potential of Angular Redshift Fluctuations
ID137	Jonás Chaves-Montero	The Lyman-alpha forest embraces the non-linear regime
ID322	Ignasi Pérez-Ràfols	The cross-correlation of galaxies in absorption with the Lyman alpha forest
ID452	Beatriz Callejas	Scientific preparation of CATARSIS: mass profiles using The Three Hundred simulation
ID459	Marcos M. Cuelli	Toward the measurement of neutrino masses via cosmic magnification on submillimeter galaxies

ESERO: SP_CIENCIAS PLANETARIAS_1

Moderadora: Miguel A. Satorre

ID038	Stephen Schwartz	DART Impact secondary cratering
ID482	Adriano Campo Bagatin	From DART/Hera to RAMSES: Coming full circle in impact risk mitigation space missions
ID191	Laura Parro	Clues about the internal structure of asteroids through the analysis of surface features
ID061	Luisa Fernanda Zambrano-Marin	Asteroide 2020BX12, el último Binario descubierto en el radar de Arecibo
ID234	Paula G. Benavidez	Kuiper Belt Object Size-Frequency Distributions: Reconciling Recent Observations and Cosmogonic Insights
ID180	Jennifer López-Viejobuena	Polarization from meteoroid grains in the Earth thermosphere
ID406	José María Gómez-Limón Gallardo	Insights into (19521) Chaos: Evidence for a Compact Binary System

20:30

Visita guiada por el centro histórico de Granada (esta actividad requiere registro previo)

Punto de encuentro: Plaza de Bib-Rambla

09:00-11:00

Sesiones Paralelas

AUDITORIO: MS_WEAVE_1

Moderadora: Sara Rodríguez Berlanas

ID334	Lilian Domínguez Palmero	Commissioning Milestones, Current Status, and progress with Science Observations
ID007	Alexandre Vazdekis	Biblioteca estelar espectral de WEAVE
ID423	Pablo Santos-Peral	A catalogue of Mg, Ca and C abundances from the X-shooter Spectral Library: benchmark for improving the modelling of stellar population models
ID018	Sergio Simón Díaz	The massive OB star component of the WEAVE-SCIP survey
ID541	Manuel Francisco Ruiz-Herrera Bernal	New implementation of galaxies in absorption and metals in cosmological Lyman- α forest catalogues: Forecast for the WEAVE-QSO survey.
ID491	Marc Balcells	WEAVE: perspectivas futuras

PÉNDULO: S_CULTURA_1

Moderadora: Amelia Ortiz

ID468	Montserrat Villar Martín	Astronomía y Cultura. Una nueva comisión de la Sociedad Española de Astronomía
ID490	César González-García	¿Astronomía Megalítica? Dónde estamos y hacia dónde vamos
ID155	Juan Manuel Caballero Suárez	El solsticio de invierno en espacios trogloditas de los antiguos canarios
ID632	Pedro Almeida	Archeoastronomy in Sardinia: Evidence for 3000 years of advanced astronomy in monumentality
ID497	Andrea Rodríguez Antón	A diachronic study of the urban and rural landscapes of Tarraco (Tarragona, Spain)
ID611	Juan Antonio Belmonte Avilés	Sueños de Arabia: Paisajes y celajes del Mundo Nabateo
ID156	José Manuel Vaquero	Los relojes de Sol históricos de Extremadura

FARADAY: S_COSMOLOGY_3

Moderadora: Violeta González-Pérez

ID129	Raul Angulo	Modelling baryons for cosmological inferences.
ID539	Laura Toribio San Cipriano	DNF Photometric Redshift performance estimation for cosmological Surveys
ID336	Fernando Frías García-Lago	Cosmic web effective lensing modelling
ID492	Mónica Hernández Sánchez	Cosmic voids from Cosmological simulations
ID505	Joaquín González-Nuevo	Submillimeter galaxies Magnification bias: an alternative, independent weak lensing probe for cosmological studies.
ID122	Lurdes Ondaro	Baryonic effects on kinetic Sunyaev-Zel'dovich signal

ESERO: S_ORIGIN_2

Moderadora: Josep M. Masqué

ID053	Itziar de Gregorio-Monsalvo	Early phases of planet formation in young protostars
ID396	Mayra Osorio	Deep VLA observations toward the OMC 2 region in Orion
ID306	Patricia Fernández Ruiz	Multi-scale study of sulphur chemistry in hot corinos
ID600	Julián José Miranzo Pastor	The Missing Sulfur Problem: H ₂ S/OCS ratios and D ₂ S emission in Class 0 protostars
ID108	Huascar Caissara Lara Bogatell	Modelling Protobinary Systems
ID394	Guillem Anglada	The dusty, molecular, and ionized environment of the SVS 13 protobinary system

EINSTEIN: S_X_RAYS_1

Moderadora: María Caballero-García

ID526	Maria Santos Lleó	XMM-Newton: nearly 25 years and looking into the future
ID461	Silvia García Soto	X-Ray Properties and Soft Excess along the Quasar Main Sequence
ID075	Raphaël Mignion-Risse	X-ray variability of accreting binary black holes approaching coalescence from general-relativistic simulations

SAGAN: SP_FISICA SOLAR_1

Moderadora: H. Strecker/Faltan charlas

ID522	Andrés Asensio Ramos	Multi-object multi-frame blind deconvolution with a spatially variant convolution neural emulator
ID376	Guillem Castelló	Spectral analysis of solar filaments using Convolutional-NeuralNetworks (CNNs)
ID223	Antonio Reche García	Deep learning para la detección, análisis y monitorización de filamentos solares
ID548	José-Victor Rodríguez	Predicción del Índice del Número de Manchas Solares mediante Técnicas de Aprendizaje Automático, Parámetros Precursores y Análisis Espectral: ¿Atravesando un Mínimo de Gleissberg?
ID508	Juan Carlos Trelles Arjona	Quiet Sun magnetism from VISP data Multiline inversions around 630.1 nm
ID489	Matias Koll Pistarini	Vortex Flows in the Solar Atmosphere: Detection and Heating Mechanisms in 3D MHD Numerical Simulations
ID499	Llorenç Melis	Self-consistent models of prominence thin threads including Alfvén wave heating

11:00-11:30

Pausa Café / Con la colaboración de SENER Aeroespacial

Moderadora: Cesca Figueras

Plenaria 1: Auditorio

Pablo Fosalba (IEEC-CSIC)
"Euclid update and first science"

Plenaria 2: Auditorio

Rafael Guzmán (IFCA)
"ARRAKIHS: The New ESA F-Class Mission to Investigate the Nature of Dark Matter"

Plenaria 3: Auditorio

Vanessa Graber (ICE)
"Long-period radio beacons: how they challenge our understanding of pulsar evolution"

Plenaria 4: Auditorio

José Manuel Vaquero (Universidad de Extremadura)
"Historic sunspots"

11:30-13:00



13:30-15:15

Comida y Sesiones Especiales

AUDITORIO: MS_WEAVE_2

Moderadora: David Aguado

ID594	Gonzalo Holgado	WEAVE monitoring of stellar clusters with O stars
ID252	Jorge García Rojas	WEAVE Science verification LIFU data of Galactic planetary nebulae
	Jose María Arroyo, Abel de Burgos, Sara Rodríguez, Daniel Galán, Roberto Raddi, Casiana Muñoz	Presentación de pósters
	Mercè Romero-Gómez, Anna Ferré-Mateu, Ignasi Pérez Rafols, Roberto Raddi, Sergio Simón-Díaz	Mesa redonda/Debate con representantes de los surveys principales de WEAVE

PÉNDULO: SE_JPAS

Moderadora: Carlos López San Juan

		Welcome and introduction to OAJ
	Silvia Bonoli	Introduction to J-PAS and miniJPAS highlights
	Renato Dupke	J-NEP science cases
	Héctor Vázquez Ramío	J-NEP public data release and data access tutorial
	Javier Zaragoza: J-PAS	Status and future plans

FARADAY: SE_CATARSIS

Moderadora: Artemi Camps Fariña

	Francisco Miguel Montenegro Montes	TARSIS: The next generation instrument for the Calar Alto 3.5-meter telescope.
	Patricia Sánchez Blázquez	CATARSIS: A new view on galaxy clusters.
	Paula Macías Pardo and Beatriz Callejas Córdoba	CATARSIS Science Working Groups.
		Round table discussion on science cases and data exploitation

CINE 3: MS_SVO_1

Moderadora: Rizado Rizzo

	Ricardo Rizzo	Durante esta sesión se llevará a cabo un caso científico sencillo para mostrar el uso de herramientas y servicios del Observatorio Virtual. El caso científico consiste en la validación y caracterización de una estrella variable cataclísmica identificada por el proyecto de alertas de Gaia mediante el descubrimiento, acceso y análisis de datos astronómicos de archivo. Para ello se utilizarán las siguientes herramientas y servicios: TOPCAT*, VIZIER, SPLAT-VO*, SVO Discovery-tool y VOSA (TOPCAT y SPLAT-VO requieren instalación previa)
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EINSTEIN: SE_MENTORING

ESERO: SE_COSMIC_DUST

Moderadora: Mayra Osorio

	Mayra Osorio	Welcome and Introduction
ID496	Olga Muñoz	Characterizing Cosmic dust grains in the lab: The IAA CODULAB.
ID002	Josep Miquel Girart	Millimeter polarization at disk scales
ID486	Domingo Anibal Garcia Hernandez	Interdisciplinary networking as a powerful tool to understand the astrochemistry of star and planet formation
ID436	Arturo Manchado	HAC-like grains as possible carriers of UIR emission in fullerene PNE

15:15-17:15

Sesiones Paralelas

AUDITORIO: S_GALAXY_SURVEYS_2

Moderador: Luis Díaz & Carolina Kehrig

ID510	Isabel Pérez	CAVITY, Calar Alto Void Integral-field Treasury survey and project extension
ID642	Ana María Conrado	Spatially-resolved stellar population properties of galaxies in voids with the CAVITY project
ID003	Lourdes Verdes-Montenegro	SKA precursors and pathfinders: the gas content and environment
ID295	Amidou Sorgho	Does the environment affect the angular momentum content of galaxies? Perspectives from the AMIGA isolated galaxies.
ID204	Clara Cabanillas de la Casa	The H α r diagnostics of the Hydra Cluster
ID140	Roger Ianjamasimananana	Gas transformation in the extreme environment of Hickson Compact Groups as observed by MeerKAT Poster presentations: one slide/poster (1min)

PÉNDULO: S_CULTURA_2

Moderador: Ángel Gómez

ID361	Nerea Jimena Maestu Fonseca	Cometas en el cielo de la Baja Edad Media
ID463	José Guillermo Sánchez León	Astrología y astronomía del siglo XV en El Cielo de Salamanca
ID462	Eduardo Battaner	Filología clásica y cosmología actual
ID214	Sara Cazzoli	Espacio3: laboratorio de ciencia y artes escénicas
ID062	Almudena Zurita Muñoz	La astronomía en el cine y las series como herramienta para la enseñanza de fundamentos de astrofísica.
ID043	Fernando Buitrago	Una (necesaria) antología poético-astronómica
ID343	Manuel González	im=Pr(0)

FARADAY: SP_COSMOLOGÍA Y ASTROPARTÍCULAS_1

Moderador: Nataly Ospina

ID371	Kim Phan	Type Ia supernova cosmology with the near-infrared
ID525	Jose María Palencia	Understanding extremely magnified stars. Dark matter & stellar populations
ID111	Jacobo Asorey	Cosmology with wide extra-galactic ASKAP radio surveys
ID206	Adrián Gutiérrez Adame	PNG-UNITsims: the response of halo clustering to Primordial Non-Gaussianities as a function of mass
	David Vallés-Pérez	"On the assembly state of dark matter haloes through cosmic history"
ID648	M. Angeles Perez Garcia	Constraining self-interacting fermionic dark matter in admixed neutron stars using multimessenger astronomy

CINE 3: MS_SVO_2

Moderador: Ricardo Rizzo

	Ricardo Rizzo	Wellcome session
ID199	Patricia Cruz	Science with the help of the Virtual Observatory
ID331	Raquel Murillo-Ojeda	White dwarfs with infrared excess within 100 pc: Gaia and the Virtual Observatory
ID125	John F. Aguilar	Estimating stellar parameters from photometry using ML techniques.
ID089	Friedrich Anders	Transferring spectroscopic stellar labels to 220 million Gaia DR3 XP stars
ID177	Cristobal Bordiu	A "cluster-then-label" semisupervised search for evolved stars with multiwavelength survey data

ESERO: S_ORIGIN_3

Moderador: Julia Martikainen

ID460	Aurora Sicilia-Aguilar	From stars and disks to planets: Reconstructing the formation of Solar Systems
ID515	Miguel Vioque	AGE-PRO: The ALMA Survey of Gas Evolution in PROtoplanetary disks
ID504	Pablo Rivière	Dust surface chemistry in planet forming disks
ID103	Gwendolyn Meeus	The X-ray properties of intermediate-mass young stars
ID373	Alexandru Florin Placinta Mitrea	Multi-wavelength and multi-epoch study of the protoplanetary disk HD169142
ID190	Roi Alonso	An updated view of a young stellar triply eclipsing system
ID346	Oier Baraibar	Debris disks in M type mature stars

EINSTEIN: S_X_RAYS_2

Moderador: José Miguel Torrejón

ID164	Francesco Coti Zelati	First light of the Einstein Probe mission
ID565	Francisco J Carrera Troyano	(New)Athena: an European flagship X-ray observatory
ID037	Iván Agudo	The Spanish contribution to the Imaging X-ray Polarization Explorer (IXPE) Mission by NASA/ASI

17:15-17:45

Pausa Café / Con la colaboración de SENER Aeroespacial



17:45-19:30

Sesiones Paralelas

AUDITORIO: S_GALAXY_SURVEYS_3

Moderador: Francisco Prada

ID151	Sebastian Francisco Sanchez Sanchez	Local Volume Mapper: Estado del survey
ID644	Maria del Carmen Argudo-Fernández	CHILEAN CLUSTER GALAXY EVOLUTION SURVEY
ID640	Julio Esteban Rodríguez Martín	Propiedades de las galaxias espacialmente resueltas en miniJPAS: sentando las bases para J-PAS
ID424	Gloria Torres-Rios	The effect of local and large scale environments on star formation histories of galaxies
ID501	Yetli Rosas Guevara	The properties of void galaxies in the EAGLE simulations.
ID597	Júlia Thainá da Silva Cunha Batista	J-PLUS-based spatially resolved emission line and stellar population properties in nearby galaxies in groups
ID281	Francesca Pinna	The GECKOS Survey: Turning galaxy evolution on its side with highly resolved stellar population measurements of edge-on galaxies

PÉNDULO: SP_INSTRUMENTACIÓN_1

Moderador: Francisco Prada

ID165	Susana Sánchez Expósito	Spanish contribution to the development of the SKA Regional Centres Network: A sustainable approach
ID231	Josep Manel Carrasco	The PhotSat mission: Ultraviolet and optical all-sky monitoring with a cubesat
ID337	Jéssica Planelles	Technological development and preparation for scientific exploitation of Athena XIFU
ID442	Irene María Ferro Rodríguez	CAB contribution to the instrument ELT-HARMONI: closing its final design

ESERO: S_ORIGIN_4

Moderador: Matilde Fernández

ID381	Felipe Gómez	The birth of Solar Systems (PLANETS)
	Julia Martikainen, Miguel Vioque, Jorge Lillo-Box	On the "PLANETS" WG1, WG7, and the Exoplanet Confirmation Protocol (Special Panel)
ID233	Ignacio Mendigutía	"You shall not pass!" On the limits of innermost planetary orbits
ID314	Chloé Padois	Modelling the Milky Way's exoplanet population with a cosmological galaxy simulation
	Asunción Fuente	General Summary and discussion

FARADAY: SP_COSMOLOGÍA Y ASTROPARTÍCULAS_2

Moderador: M. Ángeles Pérez García

ID168	Pol Bordas	First Science with the LST-1
ID333	Josefa Becerra González	Exploring the extreme Universe with the ASTRI Mini-Array
ID218	Jorge Otero-Santos	BL Lacertae strikes again: second gamma-ray mega-flare observed by LST-1
ID414	Ruben Lopez-Coto	The hunt of PeVatrons: the origin of the most energetic photons observed in our Galaxy
ID454	Edgar Molina	A gamma-ray view of microquasar outbursts
ID169	Daniel Morcuende	The first detection of VHE gamma rays from the quasar OP313 at redshift $z = 0.997$ by LST-1: the furthest VHE gamma-ray blazar

SAGAN: SP_FISICA SOLAR_2

Moderador: J. C. Trelles

ID032	Hanna Strecker	Active region evolution studied from different vantage points
ID160	Alejandro Moreno Vacas	Polar stereoscopic analysis with Solar Orbiter
ID283	Inmaculada F. Albert	A search for ion-scale reconnecting current sheets in the solar wind
ID219	Manuel Flores Soriano	Implications of the magnetic configuration of active regions for solar radio burst polarization and GPS signal integrity
ID545	Carlos Larrodera	Sheaths and magnetic obstacle evolution from the inner to the outer heliosphere.
ID409	Sergio Toledo-Redondo	Waves near the proton cyclotron frequency in the solar wind and in the Earth's magnetosphere

CINE 3: SP_CIENCIAS PLANETARIAS_2

Moderador: Adriano Campo Bagatín

ID153	Miguel Angel Lopez Valverde	Scientific overview of the NOMAD spectrometer on board the Trace Gas Orbiter, after 5 years of atmospheric observations on Mars
ID277	Adrián Brines Montoro	Injection of water vapor into the Martian upper atmosphere during the perihelion season observed with ExoMars-TGO/NOMAD
ID255	Francisco José García Izquierdo	Caracterización experimental de propiedades físicas de regolitos planetarios mediante fotopolarimetría

ID127	Ethan James Larsen	Nubes orográficas extremadamente alargadas y estrechas en Marte
ID138	Aurelien Stolzenbach	Dust and ice in the Martian atmosphere: distribution, variability and characteristics during a whole Martian Year as observed in solar occultation by the ExoMars-TGO/NOMAD spectrometer
ID532	Asier Anguiano-Arteaga	Estudio microfísico de los agentes colorantes en la Gran Mancha Roja de Júpiter
ID443	Julia Martikainen	Retrieving optical properties of Martian dust analogues from laboratory data

20:30

Visita guiada por el centro histórico de Granada (esta actividad requiere registro previo) Punto de encuentro: Plaza de Bib-Rambla

21:30

Visita Alhambra Nocturna. (esta actividad requiere registro previo) Punto de encuentro: Pabellón de acceso (taquillas)

09:00-11:00

Sesiones Paralelas

AUDITORIO: S_GALAXY_SURVEYS_4

Modera: Omaira González & Ricardo Amorin

ID173	Elham Eftekhari	LIBERTY Survey: extragalactic globular clusters near-infrared spectroscopy
ID584	Alberto Torralba-Torregrosa	The AGN Lyman-alpha luminosity function in multi-narrow band surveys
ID617	Laura Scholz-Díaz	The effect of dark matter halos on the galaxy baryonic cycle
ID630	Pedro Henrique Cezar	Star formation and AGN triggering in Arp-Madore interacting galaxies
ID215	Nischal Acharya	The miniJPAS Survey: The Radial Distribution of Star Formation Rate in Faint X-ray AGN
ID585	Enrica Bellocchi	Tracing the ionized gas phase of low-power jet-ISM interaction in NGC7319 with MEGARA/GTC
ID297	Marta Puig-Subirà	A multi-wavelength approach of AGN feedback in LINERS: The case of NGC 4438 as a pilot study for a large survey
ID131	Sandra Zamora	Circumnuclear starbursts in different active galactic nuclei

PÉNDULO: SP_VÍA LÁCTEA_2

Modera: Hugo Tabernero

ID517	Elena Manjavacas	What are the First JWST/NIRSpec spectra revealing about Young Brown Dwarfs?
ID200	Miguel Gómez Garrido	Exploring the short timescale variability of the SiO masers in evolved stars.
ID242	Diego Cuenda Muñoz	Lithium, rotation and metallicity in the open cluster M35
ID274	Judit Donada Oliu	High-resolution spectroscopy of the old, high-latitude open cluster UBC 1052
ID305	Christian Duque-Arribas	Low-resolution spectral indices to derive M-dwarf abundances using wide binary systems
ID327	Alvaro Martínez	Kinematic studies of the Nuclear Stellar Disk
ID426	José María Arroyo Polonio	Chemo-dynamical characterization of the Sculptor dwarf galaxy

FARADAY: S_CULTURA_3

Modera: Ana Ulla

ID464	David Barrado	Las exploraciones ibéricas y el inicio de la Revolución Científica
ID083	Vicent Martínez	Jerónimo Muñoz y la astronomía en los reinos hispánicos en los albores de la Revolución Científica
ID478	Miguel Querejeta	Un globo celeste excepcional del siglo XVIII
ID580	Rubén García-Benito	Cultural Crossroads: Dialogues in Cosmology and the Universe between China and Europe
		Mesa redonda y discusión: "Hacia una astronomía cultural: un periplo a la transdisciplinariedad"

CINE 3: S_LOW_BRIGHTNESS_1

Modera: Fernando Buitrago, María Ángeles Gómez-Flechoso, Helena Domínguez-Sánchez, Jesús Vega Ferrero, Mireia Montes

ID634	Ignacio Trujillo Cabrera	Low surface brightness: present and future
ID620	Giulia Golini	Advanced data reduction techniques for low surface brightness
ID625	Sepideh Eskandarlou	Characterisation and automatic subtraction of the extended PSF in J-PLUS
ID439	Raúl Infante-Sainz	Analysing the galactic cirrus emission with J-PLUS
ID609	Mireia Montes	Unveiling the Low Surface Brightness Universe with Roman
ID604	Arianna di Cintio	Low surface brightness galaxies in cosmological simulations

ESERO: S_HERE&THERE_1

Modera: Juan Cabrera e Ignasi Ribas

	PLATO feat.	The role of the Spanish community in the next exoplanet EU missions
ID447	Emma Esparza-Borges	WST and cross-correlation techniques: A faster alternative for exoplanet atmospheric studies
ID123	Alejandro Sánchez López	Sub-Neptune atmospheres: Unveiling the formation and evolution pathways of potentially habitable worlds
ID079	Paulo Miles Páez	Search and characterization of the volatile clouds in the 700-400 K atmospheres of T-to-Y transition brown dwarfs
ID262	Luis Peña	Probing magnetic star-planet interaction in CARMENES targets with radio observations
ID006	Oscar Carrión-González	Combining ground- and space-based direct imaging observations to characterize cold and temperate exoplanets
	LIFE feat.	The role of the Spanish community in the next exoplanet EU missions

11:00-11:30

Pausa Café / Con la colaboración de la Universidad Internacional de Valencia



11:30-13:30

Sesiones Paralelas

AUDITORIO: SP_GALAXIAS_2

Modera: Pablo Pérez González

ID319	Blanca Moncada Cuadri	Diffuse Gas Study in a Sample of Tidal Dwarf Galaxies
ID616	Shane O'Sullivan	The magnetised intergalactic medium revealed by SKA Pathfinder telescopes
ID626	Raúl González Díaz	BETIS: Bidimensional Exploration of the warm-Temperature Ionised gas
ID301	Enrique Galceran García	Determining Star Formation Histories and Metallicity Evolution with Convolutional Neural Networks
ID315	Iker Millan Irigoyen	PopStar: New high resolution stellar populations models for current and future instruments
ID340	Helena Domínguez Sánchez	Decoding Galaxies: Harnessing Neural Networks for Precise Stellar Population Analysis in the J-PAS Survey
ID368	Paula Macías Pardo	Galaxies in the CATARSIS clusters: study of the properties and reconstruction of the SFHs from their SED modeling
ID474	César Esteban	The radial abundance gradients in the outer disc of the Andromeda Galaxy.

PÉNDULO: SP_INSTRUMENTACIÓN_2

Modera: Irene Ferro

ID575	Daniel de Andrés Hernández	The three hundred project: mapping the matter distribution in galaxy clusters via deep learning from multiview simulated observations
ID047	Francisco Prada	The revolution of SPAD detectors in Astronomy
ID027	Juanjo Bazán	Código astrofísico, guía para convertir tu software oculto en un objeto científico
ID139	Ixaka Labadie García	Remote and interactive visualisation of spectral datacubes
ID377	V P Koushika	Automated Redshift estimation from X-ray AGN spectra
ID493	Ángel R. López-Sánchez	PyKOALA, a multi-instrument tool for reducing IFS data
ID562	Víctor Pérez-Díez	Towards an Astronomical Use of New Generation Geodetic Observations - Imaging and Astronomical Results

FARADAY: S_IGUALDAD_1

Modera: Nataly Ospina

ID410	Mario Pelaez-Fernandez	ReDrag: El drag como medio de divulgación científica
ID183	Hugo Tabernero	Using non-binary language in astronomy: an introduction
ID094	Alicia Rouco Escorial	Visibilidad LGTBQIA+ dentro de la SEA
ID509	Javier Armentia	10 medidas PRISMA: diversidad afectivo sexual y de género también en astronomía
ID098	Mar Carretero-Castrillo	A special mentoring program for master's students in astrophysics promoting DEI

EINSTEIN: MS_BARS_1

Modera: Yetli Rosas y Silvia Bonoli

	Yetli Rosas Guevara	Welcome
ID353	Luca Costantin	The rise of stellar bars: JWST unveils their early formation
ID276	Leonor Arriscado	Barred galaxies beyond cosmic noon: a first JWST glance
ID134	David Izquierdo-Villalba	The rise and fall of bars in cosmological simulations: Instability criteria and evolution
ID352	Anastasio Díaz-Sánchez	A Massive Strongly Lensed Barred Spiral Galaxy with Milky Way-like Gas Excitation in the Cosmic Noon imaged by JWST

CINE 3: S_LOW_BRIGHTNESS_2

Modera: Fernando Buitrago, María Ángeles Gómez-Flechoso, Helena Domínguez-Sánchez, Jesús Vega Ferrero, Mireia Montes

ID313	Isabel Santos Santos	Anisotropies in the spatial distribution and kinematics of dwarf galaxies in the Local Group and beyond
ID500	Javier Zaragoza Cardiel	Detached Tidal Dwarf Galaxies
ID251	Doris Stoppacher	Hidden Figures on the Sky: On the Galaxy-Halo Connection and Assembly History of Galaxies with Low Surface Brightness Features
ID618	Anna Ferre-Mateu	Ultra-diffuse galaxies, simple LSB dwarfs or badly behaved ones?
ID569	Sergio Guerra Arencibia	The mysterious globular cluster population of NGC5846-UDGI (MATLAS-2019)
ID556	Andrés Bañares Hernández	Confronting Dark Matter Models with Nearby Dwarf Irregular Galaxies
ID595	Jorge Sanchez Almeida	Constraining the shape of the dark matter halo of very low surface brightness galaxies only from imaging
ID320	Carlos Marrero de la Rosa	Analysis of Low-Surface Brightness features in the outskirts of massive spiral galaxies
ID358	Luis Eduardo Suelves	Unveiling features concealed in the background through Machine Learning
ID576	Carina Fian	Probing Compact Dark Matter in the Intracluster Medium with Microlensing

ESERO: S_HERE&THERE_2

Modera: Juan Cabrera e Ignasi Ribas

ID238	David Morate	Solar System Small Bodies in J-VAR DRI: the catalog
ID586	Belén Yu Irureta-Goyena	Machine Learning for Asteroid Detection in the Zwicky Transient Facility
ID413	Jose David Balseca Cisneros	Looking for slow objects in the outer solar system
ID428	Jaime Reyes-Guerrero	Uranus and Neptune upper clouds and hazes: a Bayesian approach
ID349	Daniel Kohler Garcia	Exploring the Detectability of Subsurface Oceans on Saturn's Moons
ID561	Pablo Rodríguez-Ovalle	JWST observations of exogenic species on Jupiter: HCN, H ₂ O and CO ₂
ID347	Pablo Santos Sanz	First year of delving into the Trans-Neptunian Belt with the James Webb Space Telescope

13:30-15:15

Comida y Sesiones Especiales

AUDITORIO: SE_DOCTORES
Moderadora: Ainhoa Sánchez Penim

Artemi Camps Faríña	Navigating the Early Science Career Landscape: Challenges and Opportunities in Astrophysics.
TBD	How to apply for a postdoctoral research position: common pitfalls in developing a competitive CV and the importance of cover letters and personal interviews.
Leticia Riaza Gambero	Research grants in Europe (MSCA, ERCs...) the beginning of our own line of research.
Helena Domínguez Sánchez	Applying for a project in the Spanish National Plan
María Luisa García Vargas	There is science outside academia: R+D+i in Industry
Miriam Cortés Contreras	Teaching at university: the academic life as a professional opportunity

PÉNDULO: SE_GAIA
Moderador: Héctor Cánovas

	Introduction to Gaia mission, instruments and archive products
	Hands-on session about Gaia DR3 Archive
	Questions

FARADAY: SE_CAVITY
Moderador: I. del Moral-Castro y B. Bidaran

Simon Verley	Introduction to CAVITY and CAVITY+
Laura Sánchez Menguiano	DR1: data quality and QC
Gloría Torres Ríos	Introduction to CAVITY database
Andoni Jiménez Alberdi, Manuel Luis Alcázar Laynez	Hand-on session

EINSTEIN: SE_ECLIPSES
Moderador: Valentín Martínez Pillet

David Galadí	Informe de la Comisión Nacional del Eclipse
Jorge Perez Gallego	La experiencia en el National Solar Observatory
	Mesa Redonda

CINE 3: SE_SYNERGIES_EVERYWHERE

ESERO: SE_SKA

15:15-17:15



Moderador: Antxón Alberdi

Plenaria 5: Auditorio
Beatriz Sánchez Cano (University of Leicester)
"Star-planet interaction"

Plenaria 6: Auditorio
Emma de Oña-Wilhelmi (DESY)
"Recent results on relativistic Galactic outflows as observed in the gamma-ray regime"

Plenaria 7: Auditorio
Claudio Dalla Vecchia (IAC)
"Galaxy formation simulations in the Exascale computing era"

Plenaria 8: Auditorio
Mirjana Povic (IAA-CSIC)
"Astronomy for the development in Africa"

17:15-17:45

Pausa Café / Con la colaboración de LASING

17:45-19:30

Sesiones Paralelas

AUDITORIO: SP_GALAXIAS_3
Moderador: Jose Acosta Pulido

ID542	Montserrat Villar	AGN feedback can produce metal enrichment on galaxy scales
ID521	Eduardo Ros	Charting new territories: High-resolution VLBI exploration of supermassive black hole vicinities in active galactic nuclei
ID302	Elena Arjona-Gálvez	The role of AGN feedback on the evolution of dwarf galaxies from cosmological simulations
ID385	Juan Escudero Pedrosa	The Recurrent Flaring Activity of the Blazar AO 0235+164
ID457	Jacobo Ebrero	Obscuring winds in AGN as probes of cosmic feedback
ID587	Begoña García Lorenzo	Unveiling the central kpc of Type I AGN host galaxies in Seeing-Limited IFS data
ID527	Alice Deconto-Machado	AGN winds, feedback, and radioloudness effects in high-redshift type I AGN
ID099	Ignacio del Moral-Castro	A Multiwavelength Study of Dual AGN in the Nearby Universe

PÉNDULO: SP_VÍA LÁCTEA_3
Moderadora: Nadeja Blagorodnova

ID647	Carmen Sánchez Contreras	Exploring Emerging Ionized Regions of Pre-Planetary Nebulae: An ALMA Close-Up
ID175	Álvaro Mas-Aguilar	Observations of gamma-ray pulsars with the Large-Sized Telescope prototype (LST-1)
ID264	David Barba-González	Virialized equation of state and phase transitions in warm and dense matter using molecular dynamics.
ID285	Arnau Aguasca-Cabot	Novae at gamma rays with the LSTs of CTAO: present and future
ID411	Javier Méndez-Gallego	The high energy spectrum of HH 80-81: Protostellar objects as gamma-ray emitters in the Milky Way
ID456	Teresa Huertas-Roldán	New radio detections of molecular and atomic emission towards C-rich planetary nebulae

CINE 3: S_LOW_BRIGHTNESS_3
Moderador: Fernando Buitrago, María Ángeles Gómez-Flechoso, Helena Domínguez-Sánchez, Jesús Vega Ferrero, Mireia Montes

ID318	Samane Raji	Witnessing the rapid growth of disk galaxies over cosmic time
ID573	Ana Contreras-Santos	The intra-cluster light in hydrodynamical simulations of galaxy clusters
ID205	Yolanda Jiménez Teja	The intracluster light fraction across cosmic time
ID412	Betelehem Bilata Woldeyes	Growth of Diffuse Intergalactic Light in Simulated Galaxy Groups
ID225	Raquel Forés Toribio	Quasar microlensing in galaxy clusters as a complementary approach to intracluster light

FARADAY: MS_SONIFICATION
Moderador: Rubén García-Benito

	Paul Vickers	Welcome
ID093	Sara Lenzi	Can you listen to the universe? Data sonification as a way of knowing, between old and new paradigms
ID592	Lucrezia Guiotto Nai Fovino	Performance and biases of astronomers and non-astronomers in sonification of time-series data
ID631	Adrián García Riber	Sonification strategies for astronomical data analysis and outreach
ID338	Xavier Luri	Uniendo arte y ciencia - Explorando el cosmos a través de la sonificación en la Universidad de Barcelona
ID401	José A. Caballero	Music and astronomy. VI. Harmonices Mundi 2024
ID034	José López-Montes	Testing Sonification with Granular Synthesis and Visual Reconstruction with Spectrograms of the MARSIS instrument.

ESERO: MS_BARS_2
Moderador: Yetli Rosas y Silvia Bonoli

ID001	Virginia Cuomo	Bar formation and properties: shared responsibility between environmentally-driven and galaxy internal mechanisms
ID048	Marcin Semczuk	Pattern speed evolution of barred galaxies in TNG50
ID433	Óscar Jiménez-Arranz	The bar pattern speed of the Large Magellanic Cloud
ID628	Marina Ruiz-García	Revealing dynamical resonances of bars in PHANGS galaxies

EINSTEIN: S_X_RAYS_3
Moderadora: Silvia Martínez Núñez

ID629	Margarita Hernanz Carbó	eXTP and STROBE-X in Spain
ID653	María Caballero-García	The ESA's M7 THESEUS mission and its Spanish contribution.
	Elisa Nespoli	ML techniques for automatic classification of X-ray binaries from X-ray light curves: preparation for the THESEUS mission.

20:30

Visita guiada por el centro histórico de Granada (esta actividad requiere registro previo) **Punto de encuentro:** Plaza de Bib-Rambla

21:30

Visita Alhambra Nocturna. (esta actividad requiere registro previo) **Punto de encuentro:** Pabellón de acceso (taquillas)

09:00-11:00

Sesiones Paralelas

AUDITORIO: SP_GALAXIAS_4

Moderador: Santi Roca Fabregas

ID293	Eirini Angeloudi	Constraining in-situ vs. ex-situ stellar mass in nearby galaxies with Artificial Intelligence
ID288	Carlota Prieto	Understanding the role of galaxy interactions in the Early Universe with MIRI/JWST observations of 'Big Three Dragons', a galaxy merging system at redshift z=7.15
ID523	Pablo Corcho-Caballero	Ageing and Quenching in the Local Universe
ID329	Mauro Stefanon	Divide et Impera: Galaxy Assembly in the Early Universe from NIRSpec/IFU Observations of ALMA/REBELS Galaxies
ID363	David Crespo Iglesias	Mass density profiles derived using the submillimetre galaxies magnification bias
ID613	Bernabé Cedrés	GLACE survey: OSIRIS/GTC tuneable imaging of the galaxy cluster ZwCl 0024.0+1652. The Mass-Metallicity relationship and the effect of the environment
ID621	Pablo G. Pérez-González	Little red dots, a new population of galaxies discovered by JWST
ID380	Jesús Vega Ferrero	Identifying stellar disk truncations in Euclid galaxy images using Segment Anything Model

PÉNDULO: S_IGUALDAD_2

Moderador: Miguel Cerviño

ID484	Enrique Pérez Montero	Haciendo más inclusiva la divulgación de la astronomía: Guía práctica de divulgación científica inclusiva del CSIC
ID643	Maria del Carmen Argudo-Fernández	#AstronomíaInclusiva
ID570	David Aguado	Astronomía y ciencia con la población reclusa de Madrid V-Soto del Real
ID350	Silvia Bonoli	STROM - Una apuesta por la inclusión en astronomía
ID015	Mirjana Povic	Work and achievements of the African Network of Women in Astronomy

FARADAY: SP_COSMOLOGÍA Y ASTROPARTÍCULAS_3

Moderador: Rubén López-Coto

ID163	Alicia López-Oramas	Transient TeV astronomy with Cherenkov telescopes in the Canary Islands
ID328	José Alberto Rubiño-Martin	The QUIJOTE experiment: status, latest results and future plans
ID109	Mateo Fernández Torreiro	New measurements of the Sunyaev-Zeldovich effect in the late 2020s: scientific forecasts for NIKA3 and other future millimetre instruments
ID154	Jyothis Chandran	Mapping the distribution of hot gas with the thermal Sunyaev-Zeldovich effect from the millimetre-sky observations with ILC-based methods
ID308	Nataly Ospina	Diffuse Supernova Neutrino Background search at Super-Kamiokande
ID405	Stefano Menchiari	Contribution of young massive stellar clusters to the Galactic diffuse γ -ray emission

CINE 3: SP_CIENCIAS PLANETARIAS_3

Moderador: Francisco González Galindo

ID603	Rafael Luque	Splendidly Synchronized: Six Sub-Neptunes Spinning a Shiny Star
ID560	Manuel Mallorquín Díaz	Mass and radius determination of young planets and the implications for their gas envelope evolution
ID577	Juan Bautista Climent Oliver	A new window into cool dwarf's magnetospheres: radiation belts and beyond
ID593	Nicola Nari	HD 20794: A bright G6V star observed with ESPRESSO and HARPS
ID654	Isabel Rebolledo Vázquez	JWST view of the Π Pictoris Disk: Asymmetries, Dust Populations, and Hints of a Collision
ID171	Ada Canet	Impacto de los vientos estelares en la evolución de las primeras atmósferas de planetas terrestres. Una aproximación MHD
ID054	Fernando Tinaut Ruano	Exploiting the near-ultraviolet as a diagnostic tool for the composition of primitive material in the Solar System
ID085	Miguel Á. Satorre	Cambios estructurales de metanol en el Sistema Solar

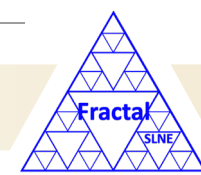
ESERO: SE_IRAM_1

Moderador: B. Mancillas

	Miguel Sánchez-Portal and Manuel Castillo	Introduction to 30m capabilities and recent upgrades
	Carlos Durán and Ángel Bongiovanni	Present and future instrumentation at the 30m telescope
	Pablo Torné	User perspective I: observing tools, data reduction, documentation
	I. Myserlis	User perspective II: how to propose for the 30m telescope?

11:00-11:30

Pausa Café / Con la colaboración de FRACTAL



11:30-13:30

Moderador: Benjamín Montesinos

Plenaria AEE: Auditorio
Isabel Pérez Grande (Agencia Espacial Española, AEE)
 "La astronomía española desde el espacio"

Plenaria ESO: Auditorio
Xavier Barcons (European Southern Observatory, ESO)
 "ESO: current status and forward look"

Plenaria colaboración Chile-España: Auditorio
Sociedad Chilena de Astronomía, SOCHIAS:
Ponente: Julio Alberto Carballo

13:30-15:30

Comida y Sesiones Especiales

AUDITORIO: SE_PROAM_1

Moderador: Iñaki Ordóñez Etxebarria

		Mesa Redonda en torno a la Situación de la Colaboración Proam en España
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PÉNDULO: SE_HWO

Moderador: Ana Inés Gómez de Castro

	Ana Inés Gómez de Castro	Presentación del estado de las actividades del HWO-START
		Mesa Redonda sobre la participación española en HWO-START

FARADAY: MS_DE_SURVEY_1

Moderador: Laura Toribio San Cipriano

		15min buffer to pick up lunch
	Jorge Carretero Palacios	An overview and hands-on session and tutorial on using DES data with a variety of tools

CINE 3: MS_TRANSIENTS_1

Moderador: Lluís Galbany

		Invited review talk. Maria D. Caballero Garcia.
ID040	Ignacio Perez-Garcia	One Brain for Seven Eyes: Unifying Control Across BOOTES Observatories
ID417	Claudia Gutiérrez	A luminous, fast blue optical transient from a stellar tidal disruption event by an intermediate-mass black hole
ID429	Maidier Gonzalez Bañuelos	Early-time comparison of Type II and Type IIb Supernovae
ID069	Maxime Wavasseur	Anatomy of a Luminous Red Nova: A Spectroscopic Study
ID012	José Feliciano Agúí Fernández	Polarisation of the dust-free long GRB210610B

ESERO: SE_IRAM_2

Moderador: M. Sánchez

	Brisa Mancillas	Walk through an observing session
	Ioannis Myserlis, Stergios Amantidis and Ángel Bongiovanni	Hands-on session on data reduction with GILDAS

15:30-16:30

Premio Javier Gorosabel
Auditorio

16:30-17:00

Pausa Café Con la colaboración de CEFCA



17:00-19:00

Asamblea general
Auditorio

21:00

Cena de la Reunión
Palacio de los Córdoba

09:00-11:00

Sesiones Paralelas

AUDITORIO: SP_GALAXIAS_5

Modera: Ángel R. López-Sánchez

ID641	Jorge Sarrato-Alós	Inferring the dark matter distribution in galaxies with machine learning methods
ID421	Ginés Solaeche	EXPLORING GALAXY PROPERTIES OF eCALIFA WITH CONTRASTIVE LEARNING
ID189	Asier Castrillo	SNR in PHANGS galaxies, machine learning segmentation and optical properties.
ID612	Siddhartha Gurung Lopez	High precision reconstruction of Lyman-alpha line profiles attenuated by the intergalactic medium using artificial neural networks.
ID655	Santi Roca Fabrega	The AGORA CosmoRun models: satellites, stellar disk morphology and the Circumgalactic Medium
ID627	Ramón Rodríguez-Cardoso	Environmental quenching of satellite galaxies in a cosmological zoom-in simulation of a Milky Way-mass halo: a new project within the AGORA Collaboration
ID167	Matías Cámez-Marín	The origin of long-lasting kinematic satellite planes in Λ CDM: when and how do they appear?
ID121	Diego Álvarez Ortega	SMILE: Search for Milli-LEnses to discriminate between dark matter models

PÉNDULO: SP_VÍA LÁCTEA_4

Modera: Sergio Simón

ID554	Eulalia Gallego Cano	New insights into the population of young, massive stars near Sagittarius A*
ID120	Abel de Burgos	New evolutionary clues to understand the nature of massive stars
ID290	Javier González-Payo	Multiplicity of stars with planets
ID479	Ruben Fedriani	Revealing Star Formation in the Galactic Center with JWST-NIRCam
ID536	Elisa Masa Andrés	Multi-species modelling of M1-92: the death of a star told by its isotopic ratios.
ID550	Pedro Mas Buitrago	Using autoencoders and deep transfer learning to determine the stellar parameters of 286 CARMENES M dwarfs
ID639	Joan-René Mérou	GPU-accelerated searches for long-transient gravitational waves from newborn neutron stars

FARADAY: SP_INSTRUMENTACIÓN_3

Modera: F. Garzón

ID540	Jesus Aceituno	Calar Alto: 50 años de observación del universo y hacia el futuro con instrumentación de vanguardia
ID011	Luis Bellot Rubio	The Tunable-Imaging Spectropolarimeters/ Fixed-Band Imagers for the European Solar Telescope
ID142	Alejo Cifuentes Santos	Optical interferometry with Cherenkov Telescopes: first scientific results with MAGIC and expansion to MAGIC + CTA-LST1
ID466	M. Concepción Cárdenas Vázquez	METIS instrument: status of the IMAGER, the SCAO and MITESI
ID181	Lola Balaguer-Núñez	The Gaia4Sustainability project
ID227	Siyu Wu	BOOTES Network
ID480	FUNDACION ASTROHITA	TecnoHita Instrumentación, la evolución tecnológica de AstroHita
	Gonzalo José Carracedo Carballal	Presentando RayZaler: un simulador optomecánico para instrumentación astronómica

CINE 3: S_IGUALDAD_3

Modera: Marina Rodríguez Baras

ID438	Isabel Márquez	Astronomía, ¿cosa de mujeres?
ID341	Silvia Martínez Núñez	Fortaleciendo la igualdad y la diversidad en el Instituto de Física de Cantabri
ID339	Ascensión del Olmo Orozco	Análisis de la brecha de género en el área de Ciencias y Tecnologías Físicas del CSIC: ¿Podemos cambiarlo? Una visión en el tiempo y algunas propuestas.
	Maite Ceballos, Javier Armentia, Alicia Rouco Escorial, Marina Rodríguez Baras	Mesa redonda / Debate.

ESERO: MS_DE_SURVEY_2

Modera: Santiago Ávila

ID078	Alex Alarcon	The Dark Energy Survey: Overview, cosmology results and future outlook
ID543	Lluís Galbany	Cosmology Results With ~1500 New High-redshift Type Ia Supernovae Using The Full 5-year Dataset from the Dark Energy Survey
ID610	Juan Mena-Fernández	2.1% measurement of the Baryon Acoustic Oscillation scale from the Dark Energy Survey final dataset
ID547	Martín Rodríguez Monroy	Galaxy clustering and observational systematics in the Dark Energy Survey
ID591	David Sánchez Cid	The DES Year 6: Multi-Probe Modeling Strategy and Validation
ID567	Dane Cross	Inverse Galaxy Galaxy Lensing: Magnification, Intrinsic Alignments, and Cosmology

11:00-11:30

Pausa Café Con la colaboración de IDOM

IDOM

11:30-13:30

Sesiones Paralelas

AUDITORIO: SP_GALAXIAS_6

Modera: Omaira González Martín

ID472	Atulit Srivastav	The Three Hundred: $M_{sub} - V_{circ}$ relation
ID450	Ángela García Argumánez	On the formation epoch of massive galaxies using spatially-resolved HST+JWST imaging data
ID453	Bruno Rodríguez Del Pino	Co-evolution within a highly star-forming galaxy group at $z \sim 3.7$ witnessed by JWST/NIRSpec IFS
ID159	Antonio Gimenez Alcázar	Low-z analogs to LyC emitters explored with MEGARA
ID435	Isabella Lamperti	NIRSpec IFS observations of a massive galaxy at $z \sim 3.5$ at the centre of a proto-cluster
ID465	María Kopsa-cheili	New larger sample of Supernova Remnants in NGC 7793, using MUSE IFS
ID552	Alba Vidal García	Where infall meets outflows: turbulent dissipation probed by CH+ and Ly α in the starburst/AGN galaxy group SMMJ02399-0136 at $z = 2.8$
ID035	Mauricio Hernan Rojas del Campo	Emisión de rayos X (R-X) de la fuente erasst J045650.3-203750
ID579	Joao Pedro Benediti	Don't judge a book by its cover: digging deeper into NGC 6868
ID563	Cristina Cabello	A 2D spatially-resolved study of local analogs of high-z galaxies

PÉNDULO: SP_VÍA LÁCTEA_5

Modera: Sara Rodríguez Berlanas

ID650	Carlos Martínez-Sebastián	He-rich O-type stars as tracers of past binary interaction
ID022	Beatriz Ruiz-Granados	Fan region as seen by QUIJOTE MFI experiment
ID031	Marc del Alcázar i Julià	Unveiling the star formation history of the thin and thick discs: a new strategy using BCM FAST
ID344	Maialen Orte García	On the chlorine abundance in HII regions
ID495	Elena Díaz-Márquez	Characterizing the stellar population in the infrared dark cloud G14.225-0.506
ID599	Christopher Brook	Constraining gas metal mixing strength in simulations using observations of the Milky Way's disc
ID635	Jaime Alonso Hernández	Effects of (internal) UV and X-ray emission in AGB's envelopes
	Daniel Galán Diéguez	Where are the fast rotators in Cygnus OB2? A new study from an observational approach
	Benjamín Montesinos	Stellar structure and synthetic spectra of rapidly rotating stars

FARADAY: SP_INSTRUMENTACIÓN_4

Modera: J. Aceituno

ID656	Armando Gil de Paz	TARSIS, the 8 arcmin ² IFU for the Calar Alto 3.5m telescope
ID229	Francisco Miguel Montenegro Montes	CATARSIS survey optimization: dithering strategies and field scheduling with deep reinforcement learning
ID418	Javier Flores-Martín	Comisionado de Multi-Array of Combined Telescopes (MARCOT), un instrumento multi-apertura en el observatorio de Calar Alto
ID275	Matilde Fernandez	PANIC upgraded: the CAHA near-infrared camera has a new detector
ID605	Daniel Reverte Payá	GTC Science Operation Status and Instrumentation plan
ID049	Victor J. S. Béjar	Results of the GTC Adaptive Optics commissioning and prospects for the first science
ID513	Francisco Garzón	New EMIR performances after detector upgrade
ID483	Antonio Marin-Franch	On sky performances and first scientific results of JPCam, the 1.2 Gpixel camera for the wide-field 2.6m Javalambre Survey Telescope
ID370	Angela María Arriero Lopez	Thermal design and modeling of the Tenerife Microwave Spectrometer: towards high precision spectral measurements of the microwave sky

CINE 3: MS_TRANSIENTS_2

Modera: Nadejda Blagorodnova Mujortova

ID232	Alessandro Ederoclitte	J-VAR DRI: the variable sky in seven filters
ID132	Tomás Enrique Müller Bravo	Characterisation of Type Ia Supernova Near-Infrared Light Curves
ID084	Grace Katusime	Luminous Red Novae Residual Signatures in the Milky Way
	Iris Bermejo Lozano	The first magnetic B[e] star, IRAS17449+2320. FS CMa stars as an overlooked channel of post-mergers.
ID211	Alessandra Ambrifi	Cold Accretion Disc Winds in Black Hole Transients: the case of CX 339-4
ID095	Hugo Tranin	Unveiling Luminous Red Novae from their archival progenitors and precursor lightcurves
ID056	Cristina Jiménez-Palau	Environmental analysis of type Ia supernovae in terms of Si II photospheric velocities with Integral Field Spectroscopy
ID624	Antonio Cabrera-Lavers	Transients with the next generation instruments for GTC
ID041	Ismael Pérez Fournon	Observing the death of stars and the associated supernova explosions in real time

ESERO: SE_PROAM_2

Modera: Iñaki Ordóñez Etxebarria

		Presentación Sesión Especial
ID384	Iñaki Ordóñez Etxebarria	Comisión Nacional del Eclipse - colaboración proam y ciencia ciudadana.
ID544	Rafael Luque	Complejo Astronomico Los Coloraos: an outreach oasis in the Andalusian desert
ID217	Miriam Cortés Contreras	Confirmación y caracterización de binarias "olvidadas" en WDS usando Gaia DR3 y el Observatorio Virtual
ID420	Sergio Alonso Burgos	Colaboraciones ProAm en el desarrollo de software de control de instrumental astronómico
ID100	Leoncio Peiro Sáez	Abriendo fronteras - ASTROQUINTA.
		Pósteres / discusión

CLAUSURA

13:30



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Sociedad Española de Astronomía



del 15 al 19 de julio de 2024 **GRANADA**

ORGANIZA



PATROCINAN

