XVI Reunión Científica de la Sociedad Española de Astronomía
Granada, 15-19 de julio de 2024

Sesiones Paralelas Tradicionales
Programa detallado

Vía Láctea y sus componentes (VL1). Lunes 15, 17:45 – 19:30 GAIA y surveys Modera: Mercè Romero

17:45	**María Luisa García Vargas:** MEGASTAR: la librería estelar de alta resolución (R~20000) observada con MEGARA en GTC: segunda reléase **(invitada)**
18:15	**Mar Carretero-Castrillo**: New stellar bow shocks around O and Be runaway stars found using WISE and Gaia DR3
18:30	**Judith Ardèvol:** Dynamics of spiral arms across stellar populations in hydrodynamical simulations
18:45	**Xabier Pérez-Couto**: White dwarf spectral classification using Gaia XP spectra: an unsupervised machine learning approach
19:00	**John Eduard Martínez-Fernández**: Exploring the Milky Way metallicity gradient using open cluster stars
19:15	**Lara Pallas-Quintela:** Gaia's XP spectra reddening removal using machine learning techniques.

Vía Láctea y sus componentes (VL2). Miércoles 17, 9:00-11:00. CHEMODIN+CLUSTERS Modera: Hugo Tabernero

09:00	**Elena Manjavacas:** What are the First JWST/NIRSpec spectra revealing about Young Brown Dwarfs? **(invitada)**
09:30	**Miguel Gómez Garrido:** Exploring the short timescale variability of the SiO masers in evolved stars.
09:45	**Diego Cuenda Muñoz**: Lithium, rotation and metallicity in the open cluster M35
10:00	**Judit Donada Oliu**: High-resolution spectroscopy of the old, high-latitude open cluster UBC 1052
10:15	**Christian Duque-Arribas:** Low-resolution spectral indices to derive M-dwarf abundances using wide binary systems
10:30	**Álvaro Martínez**: Kinematic studies of the Nuclear Stellar Disk
10:45	**José María Arroyo Polonio:** Chemo-dynamical characterization of the Sculptor dwarf galaxy

Vía Láctea y sus componentes (VL3). Miércoles 17, 17:45-19:30. NP+Supernovas Modera: Nadeja Blagorodnova

17:45	**Carmen Sánchez-Contreras**: Exploring Emerging Ionized Regions of Pre-Planetary Nebulae: An ALMA Close-Up **(invitada)**
18:15	**Álvaro Mas-Aguilar:** Observations of gamma-ray pulsars with the Large-Sized Telescope prototype (LST-1)
18:30	**David Barba-González:** Virialized equation of state and phase transitions in warm and dense matter using molecular dynamics.
18:45	**Arnau Aguasca-Cabot:** Novae at gamma rays with the LSTs of CTAO: present and future
19:00	**Javier Méndez-Gallego:** The high energy spectrum of HH 80-81: Protostellar objects as gamma-ray emitters in the Milky Way (?)
19:15	**Teresa Huertas-Roldán:** New radio detections of molecular and atomic emission towards C-rich planetary nebulae

Vía Láctea y sus componentes (VL4). Viernes 19, 9:00-11:00 Stars and BH Modera: Sergio Simón

09:00	**Eulalia Gallego Cano:** New insights into the population of young, massive stars near Sagittarius A* **(invitada)**
09:30	**Abel de Burgos**: New evolutionary clues to understand the nature of massive stars

09:45	**Javier González-Payo**: Multiplicity of stars with planets
10:00	**Ruben Fedriani:** Revealing Star Formation in the Galactic Center with JWST-NIRCam
10:15	**Elisa Masa Andrés:** Multi-species modelling of M1-92: the death of a star told by its isotopic ratios.
10:30	**Pedro Mas Buitrago:** Using autoencoders and deep transfer learning to determine the stellar parameters of 286 CARMENES M dwarfs
10:45	**Joan-René Mérou:** GPU-accelerated searches for long-transient gravitational waves from newborn neutron stars

Vía Láctea y sus componentes (VL5). Viernes 19, 11:30-13:30. Stars+FE+Dust Modera: Sara Rodríguez Berlanas

11:30	**Carlos Martínez-Sebastián:** He-rich O-type stars as tracers of past binary interaction
11:45	**Beatriz Ruiz-Granados**: Fan region as seen by QUIJOTE MFI experiment **(invitada)**
12:15	**Marc del Alcázar I Julià:** Unveiling the star formation history of the thin and thick discs: a new strategy using BGM FASt
12:30	**Maialen Orte García**: On the chlorine abundance in HII regions
12:45	**Elena Díaz-Márquez:** Characterizing the stellar population in the infrared dark cloud G14.225-0.506
13:00	**Christopher Brook**: Constraining gas metal mixing strength in simulations using observations of the Milky Way's disc
13:15	**Jaime Alonso Hernández**: Effects of (internal) UV and X-ray emission in AGB's envelopes
13:30	**Daniel Galán Diéguez:** Where are the fast rotators in Cygnus OB2? A new study from an observational approach
13:45	**Benjamín Montesinos:** Stellar structure and synthetic spectra of rapidly rotating stars

SP_Galaxias (GX1) lunes 15 ISM/Dust observations/simulations for the environment Modera: Montserrat Villar

17:45	**Omaira González Martín:** Descubriendo al polvo debajo de la alfombra de los núcleos activos con James Webb (invitada)
18:00	**Irene Shivaei:** Unveiling Dust Beyond the Local Universe in the JWST Era (invitada)
18:15	**Carmen Blanco:** Unveiling the spatially resolved ISM in the lensed A1689-zD1 galaxy at z~7.1
18:30	**Donaji Esparza Arredondo**: Studying the dusty-gas properties of AGN using a simultaneous fit of mid-infrared and X-ray data
18:45	**Zahra Sharbaf:** Ultra-deep imaging of M33: exploring its stellar halo with broad band imaging for the first time
19:00	**Antonio Arroyo Polonio:** Unraveling the Kinematics of IZw18: A Detailed Study of Ionized Gas with MEGARA/GTC
19:15	**Nelida Diaz-Fernandez:** Gas flows, radial migration, and the nature of spiral arms in spiral galaxies

SP_Galaxias (GX2) miércoles 17 observations/simulations for the environment stellar populations Modera: Pablo Perez González

11:30	**Blanca Moncada Cuadri:** Diffuse Gas Study in a Sample of Tidal Dwarf Galaxies
11:45	**Shane O'Sullivan:** The magnetised intergalactic medium revealed by SKA Pathfinder telescopes
12:00	**Raúl González Díaz:** BETIS: Bidimensional Exploration of the warm-Temperature Ionised gaS
12:15	**Enrique Galceran García:** Determining Star Formation Histories and Metallicity Evolution with Convolutional Neural Networks
12:30	**Iker Millan Irigoyen:** PopStar: New high resolution stellar populations models for current and future instruments
12:45	**Helena Domínguez Sánchez:** Decoding Galaxies: Harnessing Neural Networks for Precise Stellar Population Analysis in the J-PAS Survey (invitada)
13:00	**Paula Macías Pardo:** Galaxies in the CATARSIS clusters: study of the properties and reconstruction of the SFHs from their SED modeling
13:15	**César Esteban:** The radial abundance gradients in the outer disc of the Andromeda Galaxy.

SP_Galaxias (GX3) miércoles 17 AGN Modera: Jose Acosta Pulido

17:45	**Montserrat Villar:** AGN feedback can produce metal enrichment on galaxy scales (invitada)
18:00	**Eduardo Ros**: Charting new territories: High-resolution VLBI exploration of supermassive black hole vicinities in active galactic nuclei
18:15	**Elena Arjona-Gálvez:** The role of AGN feedback on the evolution of dwarf galaxies from cosmological simulations
18:30	**Juan Escudero Pedrosa:** The Recurrent Flaring Activity of the Blazar AO 0235+164
18:45	**Jacobo Ebrero:** Obscuring winds in AGN as probes of cosmic feedback
19:00	**Begoña García Lorenzo:** Unveiling the central kpc of Type I AGN host galaxies in Seeing-Limited IFS data
19:15	**Alice Deconto-Machado:** AGN winds, feedback, and radioloudness effects in high-redshift type 1 AGN
19:30	**Ignacio del Moral Castro:** A Multiwavelength Study of Dual AGN in the Nearby Universe

SP_Galaxias (GX4) Jueves 18 Interactions/mass assembly Modera: Santi Roca Fabregas

09:00	**Eirini Angeloudi:** Constraining in-situ vs. ex-situ stellar mass in nearby galaxies with Artificial Intelligence
09:15	**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
09:30	**Pablo Corcho-Caballero:** Ageing and Quenching in the Local Universe
09:45	**Mauro Stefanon:** Divide et Impera: Galaxy Assembly in the Early Universe from NIRSpec/IFU Observations of ALMA/REBELS Galaxies
10:00	**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
10:15	**David Crespo Iglesias:** Mass density profiles derived using the submillimetre galaxies magnification bias
10:30	**Pablo G. Pérez-González**: Little red dots, a new population of galaxies discovered by JWST
10:45	**Jesús Vega Ferrero:** Identifying stellar disk truncations in Euclid galaxy images using Segment Anything Model

SP_Galaxias (GX5) Viernes 19 Machine learning/Cosmology Modera: Ángel R. López-Sánchez

09:00	**Jorge Sarrato-Alós**: Inferring the dark matter distribution in galaxies with machine learning methods
09:15	**Ginés Solaeche**: EXPLORING GALAXY PROPERTIES OF eCALIFA WITH CONTRASTIVE LEARNING
09:30	**Asier Castrillo:** SNR in PHANGS galaxies, machine learning segmentation and optical properties
09:45	**Siddhartha Gurung Lopez:** High precision reconstruction of Lyman-alpha line profiles attenuated by the intergalactic medium using artificial neural networks.
10:00	**Santi Roca Fabrega:** The AGORA CosmoRun models: satellites, stellar disk morphology and the Circumgalactic Medium
10:15	**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
10:30	**Matías Gámez-Marín:** The origin of long-lasting kinematic satellite planes in ΛCDM: when and how do they appear ?
10:45	**Diego Álvarez Ortega:** SMILE: Search for MIlli-LEnses to discriminate between dark matter models

SP_Galaxias (GX6) Viernes 19 JWST/miscellanea Modera: Omaira Gonzalez Martin

11:30	**Atulit Srivastav:** The Three Hundred: $Msub - Vcirc$ relation
11:45	**Ángela García Argumánez:** On the formation epoch of massive galaxies using spatially-resolved HST+JWST imaging data
12:00	**Bruno Rodríguez Del Pino:** Co-evolution within a highly star-forming galaxy group at z~3.7 witnessed by JWST/NIRSpec IFS
12:15	**Antonio Gimenez Alcázar:** Low-z analogs to LyC emitters explored with MEGARA
12:30	**Isabella Lamperti:** NIRSpec IFS observations of a massive galaxy at z~3.5 at the centre of a proto-cluster
12:45	**Maria Kopsacheili:** New larger sample of Supernova Remnants in NGC 7793, using MUSE IFS
13:00	**Alba Vidal García:** Where infall meets outflows: turbulent dissipation probed by CH+ and Lyα in the starburst/AGN galaxy group SMMJ02399-0136 at z = 2.8

13:15	**Mauricio Hernán Rojas del Campo:** Emisión de rayos X (R-X) de la fuente erasst j045650.3-203750
13:30	**Joao Pedro Benedetti:** Don't judge a book by its cover: digging deeper into NGC 6868
13:45	**Cristina Cabello:** A 2D spatially-resolved study of local analogs of high-z galaxies

Enseñanza, divulgación y patrimonio (EDP1) **Enseñanza** **Modera: Amelia Ortiz**

15:15	**Mirjana Povic:** SciGirls - Empowering girls and female teachers through astronomy in conflict-affected rural areas
15:30	**Elena Manjavacas:** The SEA Mentoring Program for Female Astronomers
15:45	**Cintia Cabada Malvar:** Tardígrados y astrobiología: donde la astrofísica y la biología se encuentran en la Universidade de Vigo
16:00	**Luis González:** Teaching Astronomy with the Virtual Observatory
16:15	**Marcos Villaverde Aparicio:** Divulgación en el Observatorio del SKA y el papel de la Ciencia Abierta en diseminación
16:30	**David Montes:** Visitas guiadas al Observatorio UCM
16:45	**David Nespral:** El observatorio astronómico del Teide, presente y futuro
17:00	**Miguel Querejeta:** Real Observatorio Astronómico de Madrid: ciencia, historia y patrimonio
17:15	**Laura Hermosa Muñoz:** Allande Stars: divulgación científica en zonas rurales

Enseñanza, divulgación y patrimonio (EDP2) **Inclusión, divulgación, patrimonio** **Modera: David Montes**

17:45	**Santiago Pérez-Hoyos:** Enfoques divulgativos con perspectiva desde la Ética Espacial
18:00	**Laura Toribio San Cipriano:** Phy6cool: Escuela de verano de física de partículas, astropartículas y cosmología
18:15	**Beatriz M. González García:** "Piensa globalmente, actúa localmente" - Las Space Science Experiences CESAR
18:30	**Miguel Á. Satorre:** La magia de la ciencia
18:45	**Jorge Rivero González:** La astronomía para paliar la segregación escolar: lecciones aprendidas de la participación en el programa Magnet
19:00	**Nataly Ospina:** RECA Education: An initiative to bring astronomy to Colombian schools
19:15	**Amelia Ortiz-Gil:** Telegrama a un planeta: Comunicando Astronomía con los aliens

Instrumentación y supercomputación (IS1) Martes 16 **Contribuciones a instrumentos internacionales** **Modera: Francisco Prada**

17:45	**S. Sánchez Expósito:** Spanish contribution to the development of the SKA Regional Centres Network: A sustainable approach **(invitada).**
18:15	**J. Manel Carrasco**: The PhotSat mission: Ultraviolet and optical all-sky monitoring with a cubesat
18:30	**J. Planelles**: Technological development and preparation for scientific exploitation of Athena XIFU
18:45	**I. M. Ferro Rodríguez**: CAB contribution to the instrument ELT-HARMONI: closing its final design

Instrumentación y supercomputación (IS2) Miércoles 17 **Técnicas y herramientas** **Modera: Irene Ferro**

11:30	**D. de Andrés Hernández:** The three hundred project: mapping the matter distribution in galaxy clusters via deep learning from multiview simulated observations **(invitada).**
12:00	**F. Prada**: The revolution of SPAD detectors in Astronomy
12:15	**J. Bazán**: Código astrofísico, guía para convertir tu software oculto en un objeto científico
12:30	**I. Labadie García**: Remote and interactive visualisation of spectral datacubes
12:45	**V. P. Koushika**: Automated Redshift estimation from X-ray AGN spectra
13:00	**A. R. López Sánchez**: PyKOALA, a multi-instrument tool for reducing IFS data
13:15	**V. Pérez-Díez**: Towards an Astronomical Use of New Generation Geodetic Observations - Imaging and Astronomical Results

Instrumentación y supercomputación (IS3) Viernes 19 **Descripción general de proyectos** **Modera: F. Garzón**

09:00	**J. Aceituno**: Calar Alto: 50 años de observación del universo y hacia el futuro con instrumentración de vanguardia **(invitada).**
09:20	**L. Bellot Rubio**: The Tunable-Imaging Spectropolarimeters/Fixed-Band Imagers for the European Solar Telescope
09:35	**A. Cifuentes Santos**: Optical interferometry with Cherenkov Telescopes: first scientific results with MAGIC and expansion to MAGIC + CTA-LST1
09:50	**M. C. Cárdenas Vázquez**: METIS instrument: status of the IMAGER, the SCAO and MITESI
10:05	**L. Balaguer-Núñez**: The Gaia4Sustainability project
10:20	**S. Wu**: BOOTES Network
10:35	**F. AstroHita**: TecnoHita Instrumentación, la evolución tecnológica de AstroHita
10:50	**Gonzalo José Carracedo Carballal**: Presentando RayZaler: un simulador optomecánico para instrumentación astronómica

Instrumentación y supercomputación (IS4) Viernes 19 **Instrumentos nacionales** **Modera: J. Aceituno**

11:30	**A. Gil de Paz:** TARSIS, the 8 arcmin^2 IFU for the Calar Alto 3.5m telescope. **(invitada)**
12:00	**F. M. Montenegro Montes**: CATARSIS survey optimization: dithering strategies and field scheduling with deep reinforcement learning

12:15	**J. Flores-Martín**: Comisionado de Multi-Array of Combined Telescopes (MARCOT), un instrumento multi-apertura en el observatorio de Calar Alto
12:30	**M. Fernandez**: PANIC upgraded: the CAHA near-infrared camera has a new detector
12:45	**D. Reverte Payá**: GTC Science Operation Status and Instrumentation plan
13:00	**V. J. S. Béjar**: Results of the GTC Adaptive Optics commissioning and prospects for the first science
13:15	**F. Garzón**: New EMIR performances after detector upgrade
13:30	**A. 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
13:45	**A. M. Arriero Lopez**: Thermal design and modeling of the Tenerife Microwave Spectrometer: towards high precision spectral measurements of the microwave sky

Cosmología y Astropartículas (CA1) Martes 16 Cosmology/Dark Matter Modera: Nataly Ospina

15:15	**Helena Garcia Escudero:** El papel de los neutrinos masivos en las tensiones cosmológicas **(invitada)**
15:45	**Kim Phan:** Type Ia supernova cosmology with the nir-infrared
16:00	**Jose María Palencia**: Understanding extremely magnified stars. Dark matter & stellar populations
16:15	**Jacobo Asorey**: Cosmology with wide extra-galactic ASKAP radio surveys
16:30	**Adrián Gutiérrez Adame**: PNG-UNITsims: the response of halo clustering to Primodial Non-Gaussianities as a function of mass
16:45	**David Vallés-Pérez**: "On the assembly state of dark matter haloes through cosmic history"
17:00	**M. Angeles Perez Garcia**: Constraining self-interacting fermionic dark matter in admixed neutron stars using multimessenger astronomy

Cosmología y Astropartículas (CA2) Martes 16 Instruments/high energy Modera: M. Ángeles Pérez García

17:45	**Pol Bordas**: First Science with the LST-1 **(invitada)**
18:15	**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
18:30	**Jorge Otero-Santos**: BL Lacertae strikes again: second gamma-ray mega-flare observed by LST-1
18:45	**Ruben Lopez-Coto**: The hunt of PeVatrons: the origin of the most energetic photons observed in our Galaxy
19:00	**Edgar Molina**: A gamma-ray view of microquasar outbursts

Cosmología y Astropartículas (CA3) Jueves 18 Instruments/miscellaneous Modera: Rubén López-Coto

09:00	**Alicia López-Oramas**: Transient TeV astronomy with Cherenkov telescopes in the Canary Islands **(invitada)**
09:30	**José Alberto Rubiño-Martin:** The QUIJOTE experiment: status, latest results and future plans **(invitada)**
10:00	**Mateo Fernández Torreiro**: New measurements of the Sunyaev-Zeldovich effect in the late 2020s: scientific forecasts for NIKA3 and other future millimetre instruments
10:15	**Jyothis Chandran:** Mapping the distribution of hot gas with the thermal Sunyaev-Zeldovich effect from the millimetre-sky observations with ILC-based methods
10:30	**Nataly Ospina:** Diffuse Supernova Neutrino Background search at Super-Kamiokande
10:45	**Stefano Menchiari**: Contribution of young massive stellar clusters to the Galactic diffuse γ-ray emission

Física solar (FS1) Martes 16 **Modera: H. Strecker**

09:00	**A. Asensio Ramos**: Multi-object multi-frame blind deconvolution with a spatially variant convolution neural emulator **(invitada).**
09:30	**G. Castelló:** Spectral analysis of solar filaments using Convolutional-NeuralNetworks (CNNs)
09:45	**A. Reche García:** Deep learning para la detección, análisis y monitorización de filamentos solares
10:00	**J. V. Rodríguez:** Predicción del Índice del Número de Manchas Solares mediante Técnicas de Aprendizaje Automático, Parámetros Precursores y Análisis Espectral: ¿Atravesando un Mínimo de Gleissberg?
10:15	**J. C. Trelles Arjona:** Quiet Sun magnetism from ViSP data Multiline Inversions around 630.1 nm
10:30	**M. Koll Pistarini:** Vortex Flows in the Solar Atmosphere: Detection and Heating Mechanisms in 3D MHD Numerical Simulations
10:45	**Ll. Melis:** Self-consistent models of prominence thin threads including Alfvén wave heating

Física solar (FS2) Martes 16 **Modera: J. C. Trelles**

17:45	**H. Strecker:** Active region evolution studied from different vantage points **(invitada).**
18:15	**A. Moreno Vacas:** Polar stereoscopic analysis with Solar Orbiter
18:30	**I. F. Albert:** A search for ion-scale reconnecting current sheets in the solar wind
18:45	**M. Flores Soriano:** Implications of the magnetic configuration of active regions for solar radio burst polarization and GPS signal integrity
19:00	**C. Larrodera:** Sheaths and magnetic obstacle evolution from the inner to the outer heliosphere.
19:15	**S. Toledo Redondo:** Waves near the proton cyclotron frequency in the solar wind and in the Earth's magnetosphere

Ciencias Planetarias (CP1) lunes 15 **Small bodies** **Modera: Miguel A. Satorre**

17:45	**Stephen Schwartz:** DART Impact secondary cratering
18:00	**Adriano Campo Bagatín**: From DART/Hera to RAMSES: Coming full circle in impact risk mitigation space missions
18:15	**Laura Parro:** Clues about the internal structure of asteroids through the analysis of surface features
18:30	**Luisa Fernanda Zambrano-Marín:** Asteroide 2020BX12, el ultimo Binario descubierto en el radar de Arecibo
18:45	**Paula G. Benavidez**: Kuiper Belt Object Size-Frequency Distributions: Reconciling Recent Observations and Cosmogonic Insights
19:00	**Jennifer López-Viejobueno:** Polarization from meteoroid grains in the Earth thermosphere
19:15	**José María Gómez-Limón Gallardo**: Insights into (19521) Chaos: Evidence for a Compact Binary System

Ciencias Planetarias (CP2) martes 16 **Mars/SS planets** **Modera: Adriano Campo Bagatín**

17:45	**Miguel Ángel López Valverde:** Scientific overiew of the NOMAD spectrometer on board the Trace Gas Orbiter, after 5 years of atmospheric observations on Mars
18:00	**Adrián Brines Montoro:** Injection of water vapor into the Martian upper atmosphere during the perihelion season observed with ExoMars-TGO/NOMAD
18:15	**Francisco José García Izquierdo:** Caracterización experimental de propiedades físicas de regolitos planetarios mediante fotopolarimetría
18:30	**Ethan James Larsen:** Nubes orográficas extremadamente alargadas y estrechas en Marte
18:45	**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 PROVISIONAL
19:00	**Asier Anguiano-Arteaga**: Estudio microfísico de los agentes colorantes en la Gran Mancha Roja de Júpiter
19:15	**Julia Martikainen:** Retrieving optical properties of Martian dust analogues from laboratory data

Ciencias Planetarias (CP3) jueves 18 **Exoplanets/miscellanea** **Modera: Francisco González Galindo**

09:00	**Rafael Luque:** Splendidly Synchronized: Six Sub-Neptunes Spinning a Shiny Star
09:15	**Manuel Mallorquín Díaz:** Mass and radius determination of young planets and the implications for their gas envelope evolution
09:30	**Juan Bautista Climent Oliver**: A new window into cool dwarf's magnetospheres: radiation belts and beyond
10:45	**Nicola Nari:** HD 20794: A bright G6V star observed with ESPRESSO and HARPS
10:00	**Isabel Rebollido:** JWST view of the β Pictoris Disk: Asymmetries, Dust Populations, and Hints of a Collision
10:15	**Ada Canet:** Impacto de los vientos estelares en la evolución de las primeras atmósferas de planetas terrestres. Una aproximación MHD
10:30	**Fernando Tinaut Ruano:** Exploiting the near-ultraviolet as a diagnostic tool for the composition of primitive material in the Solar System
10:45	**Miguel Á. Satorre:** Cambios estructurales de metanol en el Sistema Solar