

14 de junio – 31 de octubre: Exposición “Con A de Astrónomas”, Colegio Anaya.

Viernes 13 de julio, 20:30 Charla divulgativa de Inés Rodríguez Hidalgo, ‘O sole mio. Una invitación musical a la física solar. Casino de Salamanca

Domingo 15 de julio, 20:00-21:30. Cóctel de bienvenida. Jardín de la Facultad de Matemáticas

Lunes 16	Martes 17	Miércoles 18	Jueves 19	Viernes 20
9:00– 10:15 HOSPEDERÍA FONSECA Registro y café de bienvenida	9:30 – 11:00 Paralelas GC2 VL2 ED1 IS2 S1 S2 S3 S4	9:30 – 11:00 Paralelas GC4 VL4 FS2 CP3 S1 S2 S3 S4	9:30 – 11:00 Paralelas GC6 VL6 ED3 CP4 S1 S2 S3 S4	9:30 -11:00 Paralelas GC7 VL7 IS4 ED4 S1 S2 S3 S4
10:30 - 13:30 Sesión inaugural PARANINFO HISTÓRICO Mesa redonda con los gestores de los PNs, RIA. RRHH Astronomía española Premios SEA	11:00 - 11:30 Café 11:30-13:30 S1 Plenaria Science and collaborations Spain/Portugal	11:00 - 11:30 Café 11:30-13:30 S1 Plenaria Gravitational waves	11:00 - 11:30 Café 11:30-13:30 S1 Plenaria High resolution imaging	11:00 - 11:30 Café 11:30-13:30 S1 Plenaria Science / Instrumentation
13:30 - 15:30 Comida	13:30 - 15:30 Comida S1 RG Comida con astrónomas S2 RG J-PLUS	13:30 - 15:30 Comida S2 RG Ciencias Planetarias	13:30 - 15:30 Comida S1 RG Pro-Am S2 RG OTELO	11:30-15:30 S2 RG RAVET
15:30 - 17:30 Paralelas GC1 VL1 IS1 CP1 S1 S2 S3 S4	15:30 – 17:30 Paralelas GC3 VL3 FS1 CP2 S1 S2 S3 S4	15:30 – 17:30 Paralelas GC5 VL5 IS3 ED2 S1 S2 S3 S4	15:30 - 17:10 S1 Plenaria Divulgación y enseñanza de la astronomía	
17:30 - 18:00 Café	17:30 - 18:00 Café	17:30 - 18:00 Café	17:10 - 17:40 Café	
18:00 - 19:40 S1 Plenaria Gaia	18:00 - 19:30 S1 Plenaria Athena and synergies	18:00 - 20:00 S1 Plenaria Science / Instrumentation	17:40 - 20:00 S1 Asamblea General SEA	
20:15 S4 Conferencia pública Juan A. Belmonte	7:15-8:15 Corre SEA, corre 20:15 S1 Astroconcierto (I) 22:30 Astroconcierto (II)	10:30-12:00 Observación pública con telescopios Parque San Francisco (a confirmar) 20:15 S4 Conferencia pública Gabriela González	21:00 Cena de la XIII Reunión Científica Hotel Alameda Palace	22:00 Observación pública con telescopios Plaza Mayor (a confirmar)

Sesiones paralelas: GC: Galaxias y Cosmología, VL: Vía Láctea y sus componentes, CP: Ciencias Planetarias, IS: Instrumentación y supercomputación, FS: Física solar, DE: Divulgación y Enseñanza, RG: Reunión de grupo

Salas

S1: Auditorio, Hospedería Fonseca

S3: Aula 1.2, Hospedería Fonseca

S2: Sala Menor, Hospedería Fonseca

S4: Salón de Actos, Colegio Fonseca (edificio adyacente a la Hospedería)

LUNES 16 DE JULIO

HOSPEDERÍA FONSECA 9:00-10:15 CAFÉ DE BIENVENIDA Y REGISTRO



PARANINFO SESIÓN INAUGURAL Y PREMIOS TESIS SEA

Modera: Benjamín Montesinos

10:30-11:00	Apertura y bienvenida
11:00-11.20	Miguel Querejeta Pérez, Premio 2016, Astronomía y Astrofísica Making galaxies passive: Insights from resolved studies of nearby galaxies
11:20-11:40	Ignacio Mateos Martín, Premio 2015-2016, Instrumentación Design and assessment of a low-frequency magnetic measurement system for eLISA
11:40-12.00	Laura Sánchez Menguiano, Premio 2017, Astronomía y Astrofísica The shape of the ionised gas abundance distribution in spiral galaxies
Pausa 12:00 - 12:15	
12:15-13:30	Mesa redonda: Gestores de los Planes Nacionales, Coordinador, RIA, Informe SEA RRHH

COMIDA 13:30 - 15:30

LAS SESIONES DEL LUNES POR LA TARDE Y DE LOS DEMÁS DÍAS DE LA REUNIÓN SE CELEBRAN EN EL COLEGIO ARZOBISPO FONSECA Y EN LA HOSPEDERÍA DEL COLEGIO

S1 Galaxias y Cosmología (GC1)

Modera: Vicent Quilis

15:30	Mar Mezcua Observational evidence for intermediate-mass black holes (invitada)
16:00	Montserrat Villar Martín The exotic emission line spectra of extremely red BOSS quasars
16.15	Ignasi Pérez Ràfols Quasar identification and redshift estimation with SQUEzE
16:30	Naím Ramírez Olivencia Sub-arcsecond imaging of Arp 299-A at 150 MHz with LOFAR: Evidence for a starburst-driven outflow
16:45	Ignacio Martín-Navarro Black holes and the stellar population properties of galaxies
17:00	Ignacio Sevilla Noarbe The Dark Energy Survey project and Data Release 1
17:15	PÓSTERES (1-14)

S2 Vía Láctea y sus componentes (VL1)

Modera: Amparo Marco

15:30	Domingo Aníbal García-Hernández Fullerene and graphene molecular nanostructures in evolved stars (invitada)
16:00	Ricardo Dorda Laforet Investigating the true nature of the red hypergiants
16.15	Friedrich Anders Chemodynamics of the Milky Way - The Gaia+APOGEE picture
16:30	Pep Covas Vidal All-sky searches of continuous gravitational waves from neutron stars
16:45	María Luisa García Vargas MEGARA Early-Science results: The spectral library for MEGARA-GTC
17:00	Francisco Colomer What can VLBI do for your research? The EVN and JIVE
17:15	PÓSTERES (1-24)

S3 Instrumentación y supercomputación (IS1)

Modera: Nicolás Cardiel

15:30	Tjarda Boekholt Accurate and precise N-body simulations (charla invitada)
16:00	Antoni Ramos Buades Calibration of Black Hole Binary Numerical Relativity simulations
16:15	Sergio Soria Nieto Big data framework for Gaia archive
16:30	Javier Castañeda Gaia source list evolution: GDR2 and beyond
16:45	Ferran Torra Clotet Proper motion and other challenges in cross-matching Gaia observations
17:00	Josep Manel Carrasco Martínez Astrophysical information combining JPLUS and Gaia surveys
17:15	PÓSTERES (1-9)

S4 Ciencias Planetarias (CP1)

Modera: Santiago Pérez-Hoyos

15:30	Alejandro Cardesín-Moinelo De Mars Express a ExoMars: Dos misiones trabajando juntas en torno a Marte
15:45	Alejandro de Cabo Prediction of Mars meteorological variables using artificial neural networks
16:00	Gabriella Gilli The puzzling transition region of Venus atmosphere studied by ground to thermosphere 3D model
16:15	Ruben Gonçalves Akatsuki (cloud-tracking) and TNG/HARPS-N (Doppler velocimetry) coordinated wind measurements of cloud top Venus atmosphere
16:30	José Silva Characterising Atmospheric Gravity Waves on the lower and upper cloud bank using Venus Express VMC and VIRTIS images
16:45	José Francisco Sanz Requena Nieblas y nubes en un triple vórtice de larga duración en la atmósfera polar de Saturno
17:00	Miguel G. S. Silva Saturn atmosphere's dynamics with VLT/UVES high-resolution spectroscopy and cloud tracked winds from CASSINI/VIMS observations
17:15	PÓSTERES (1-7)

CAFÉ 17:30 - 18:00

**S1 PLENARIA: GAIA**

Modera: Francesca Figueras

18:00	Xavier Luri Gaia DR2
18:20	Alcione Mora DR2: Results, validation, data exploitation
18:40	Amina Helmi New views on the Galaxy and its satellites from Gaia
19:10	Julia de León Synergies between Gaia and Asteroids

PROGRAMA SOCIAL

20:15 CONFERENCIA PÚBLICA

CSI Nefertiti: Astronomía, Genética y Egiptología

Juan Antonio Belmonte (Instituto de Astrofísica de Canarias)

S4 Salón de Actos, Colegio Fonseca

MARTES 17 DE JULIO**S1 Galaxias y Cosmología (GC2)**

Modera: Raffaella Marino

9:00	Cárlos López Sanjuan J-PLUS DR1: 1000 squared degrees in twelve optical bands (invitada)
9:30	Rubén García-Benito Spatially-resolved color--mass-to-light ratio relations in the CALIFA survey
9:45	Bruno Rodríguez del Pino Incidence and properties of ionized outflows in MaNGA DR2 galaxies
10:00	Katarzyna Bensch The role of photoionization models of HII regions of dwarf galaxies in understanding galaxy evolution
10:15	Patricia Sánchez-Blázquez Gas and stellar metallicity gradients in face-on disk galaxies
10:30	Susana Planelles Multi-frequency synthetic observations (of the WHIM) in a simulated galaxy cluster
10:45	PÓSTERES (15-28)

S2 Vía Láctea y sus componentes (VL2)

Modera: Izaskun Jiménez-Serra

9:00	Jorge Lillo-Box TROY - The search for exotrojan planets (invitada)
9:30	Ignacio Mendigutía Detecting signatures of planet formation in disks around young stars
9:45	Héctor Cánovas Photoevaporation in transitional disks
10:00	Álvaro Ribas Protoplanetary disks meet artificial neural networks
10:15	Patricia Chinchilla Search for common proper motion wide substellar companions to young nearby stars with Vista Hemisphere Survey
10:30	Jonay I. González Hernández The two most iron-poor dwarf stars known in the Galactic halo
10:45	PÓSTERES (25-48)

S3 Enseñanza y divulgación (ED1)

Modera: Amelia Ortiz

9:00	Joao Retrê Living Astronomy in Portugal (charla invitada)
9:30	Ana Alves IAstro Júnior: Astronomy for the Youngest
9:45	Sérgio Pereira Ignite IAstro: Sharing Astronomical research in remote locations
10:00	Jorge Rivero González IAU100: Uniting our World to Explore the Universe
10:15	Natalia Ruiz Zelmanovitch Cuando la astroquímica es un viaje
10:30	María Teresa Ceballos De la escuela al espacio: experiencia de divulgación astronómica en IFCA
10:45	PÓSTERES (1-8)

S4 Instrumentación y supercomputación (IS2)

Modera: José Antonio Font

9:00	Francisco Garzón First results of EMIR (charla invitada)
9:30	Antonio Cabrera-Lavers 10 years of GTC - GTC Science Operations Status
9:45	Víctor J. Sánchez Béjar The GTC Adaptive Optics system: the high spatial resolution Adaptive Optics facility at GTC
10:00	Enrique Solano Márquez The Gran Telescopio Canarias Archive
10:15	Jesús Aceituno Castro Calar Alto observatory, present and future projects
10:30	Gilles Bergong Recent scientific results and future instruments at the Calar Alto Observatory
10:45	Carsten Kramer The IRAM 30m Telescope

CAFÉ 11:00 - 11:30



S1 PLENARIA: ASTRONOMY IN PORTUGAL/

COLLABORATIONS PORTUGAL-SPAIN

Modera: Fernando Buitrago

11:30-11:45	André Moitinho, Francesca Figueras Iberian Astronomy
11:45-12:15	José Manuel Afonso When critical mass catches up to strategy: the road for Portuguese Astronomy
12:15-12:45	Nuno Santos Exoplanets
12:45-13.15	Francisco J. Castander Euclid: ESA cosmology mission

COMIDA 13:30 - 15:30 **S1** COMIDA CON ASTRÓNOMAS **S2** REUNIÓN DE GRUPO J-PLUS

S1 Galaxias y Cosmología (GC3)

Modera: Montserrat Villar

15:30	Christina Thöne GRB & SN hosts in 3D
15:45	Mónica Vázquez Acosta Studies of the Extragalactic Background Light with the MAGIC telescopes
16:00	Carlos Palenzuela Luque Gravitational waves from compact binary mergers
16.15	Antonio de Ugarte Postigo SN2017iuk: A new standard in the GRB-SN field
16:30	Nicola Bellomo The origin of progenitors in merging black hole binaries
16:45	José Luis Bernal Signatures of primordial black holes as seeds of supermassive black holes
17:00	Miriam Cabero Muller Observational tests of the black hole area increase law
17:15	PÓSTERES (29-42)

S2 Vía Láctea y sus componentes (VL3)

Modera: Carme Jordi

15:30	Koraljka Muzic The transition from star to planet formation: brown dwarfs in young clusters (invitada)
16:00	Laia Casamiquela Physical properties of evolved Open Clusters in the Gaia era
16.15	Alfred Castro-Ginard Detection of new Open Clusters with Gaia
16:30	Andressa Ferreira Galactic disc populations with the GAIA-ESO Survey
16:45	Hugo Tabernero An effective temperature scale for red supergiants in the Magellanic clouds
17:00	Javier Alonso Santiago Clusters with K Supergiants
17:15	PÓSTERES (49-74)

S3 Física solar (FS1)

Modera: José Luis Ballester

15:30	Elena Khomenko Three-dimensional simulations of solar magneto-convection including effects of partial ionization (invitada)
16:00	Adur Pastor Yabar Topología magnética del polo norte solar
16.15	Ana Belén Griñón Marín Evolución temporal de puentes de luz
16:30	Andrés Adrover González 3D numerical simulations of oscillations in prominences
16:45	Andrés Asensio Ramos Deep learning in Solar Physics
17:00	Daniel Pacheco A new analysis of near-relativistic electron events measured by the Helios mission
17:15	PÓSTERES (1-2)

S4 Ciencias planetarias (CP2)

Modera: Julia de León

15:30	Jesús Maldonado Low-mass planets around low-mass stars: Highlights from the HADES survey (invitada)
16:00	Isabel Rebollido Vázquez The search for Exocomets
16.15	Juan Carlos Vallejo Chavarino El papel de la viscosidad y la radiación EUV en la dispersión de los discos protoplanetarios
16:30	Peio Iñurrigarro Dinámica atmosférica de Júpiter durante la misión Juno: Observaciones desde Tierra y análisis de la Perturbación de la Banda Templada
16:45	Santiago Pérez Hoyos Las bandas cambiantes de Júpiter: el caso de la Banda Templada Norte
17:00	Luisa M. Lara Analysis of the origin of oxygen in Uranus atmosphere
17:15	PÓSTERES (8-14)

CAFÉ 17:30 - 18:00

IDOM**S1** PLENARIA: ATHENA AND SYNERGIES

Modera: María Teresa Ceballos

18:00	Francisco Carrera Athena: mission and Spanish participation
18:30	María Díaz Trigo Synergies between Athena and ESO
18:50	Marc Ribó CTA-Athena synergies
19:10	Miguel Pérez Torres Synergies between Athena and the Square Kilometre Array

PROGRAMA SOCIAL

7:15-8:15 CARRERA POPULAR

Corre, SEA, corre

**ASTROCONCIERTOS PÚBLICOS**

20:15 Primera parte: Concierto sinfónico

José Antonio Caballero e intérpretes de la
Joven Orquesta Sinfónica Ciudad de Salamanca**S1** Auditorio, Hospedería Fonseca

22:30 Segunda parte: Concierto rock

Toseka y grupos de la Universidad de Salamanca
Lugar: La Espannola (Gran Vía, 51)

MIÉRCOLES 18 DE JULIO**S1 Galaxias y Cosmología (GC4)****Modera: Helena Domínguez**

9:00	Ignacio Trujillo Hunting in the darkness: the adventure of unveiling the low surface brightness Universe (invitada)
9:30	Arianna di Cintio Ultra diffuse galaxies: a formation scenario
9:45	Raffaella Anna Marino Dark Galaxy candidates at redshift ~ 3.5 detected with MUSE
10:00	Sébastien Comerón The rotation curves of thin and thick discs from local edge-on galaxies as seen with MUSE
10:15	Isabel Santos Santos Understanding the emergence of a plane of satellites around the MW
10:30	Jose Oñorbe What do we know about HI Reionization? New Constraints from the high-z Lyman-alpha Forest
10:45	PÓSTERES (43-56)

S2 Vía Láctea y sus componentes (VL4)**Modera: Jesús M. Corral**

9:00	Izaskun Jiménez-Serra Prebiotic chemistry in the ISM: from cold cores to Galactic center clouds (invitada)
9:30	David Navarro Almáida The formation of H ₂ S in dark clouds
9:45	Susana Iglesias-Groth Fullerenos y PAHs en el medio interestelar
10:00	Diego de la Fuente Cuando la línea de visión nos engaña: el cúmulo embebido [DB2001] CL05 como caso piloto
10:15	Pedro Palmeirim Star formation and ionized regions in the Inner Galactic Plane
10:30	Amparo Marco How do massive stars form?
10:45	Jesús Maíz Apellániz GALANTE: encontrando las estrellas O+B+WR en todo el plano Galáctico

S3 Física solar (FS2)**Modera: Andrés Asensio**

9:00	José Carlos del Toro Iniesta On Fabry-Pérot etalon based instruments: The isotropic case
9:15	David Orozco Suárez On Fabry-Pérot etalon based instruments: The anisotropic case
9:30	José Luis Ballester Mortes The temporal behaviour of MHD waves in a partially ionized prominence-like plasma: Effect of heating and cooling with different radiative loss functions
9:45	Juan Carlos Trelles Arjona Looking for the best strategy to invert the Quiet Sun Stokes profiles
10:00	Manuel Collados Vera Desarrollo y primera luz de una unidad de campo integral para el telescopio GREGOR
10:15	María Montes Solís Inferencia de propiedades físicas de estructura fina de protuberancias
10:30	Roberto Soler Torsional Alfvén waves in the lower solar atmosphere: energy transport and dissipation
10:45	Sergio Toledo Redondo Solar wind - magnetosphere coupling via magnetic reconnection and the effects of ionospheric plasma

S4 Ciencias planetarias (CP3)

Modera: Pedro Figueira

9:00	José Luis Ortiz Sorprendentes características del planeta enano Haumea reveladas mediante ocultación estelar (invitada)
9:30	Adriano Campo Bagatín European component of the AIDA mission to a binary asteroid: Characterization and interpretation of the impact of the DART mission
9:45	Juan Luis Rizos García Análisis de grupos espectrales (clustering) sobre la superficie de (1) Ceres en preparación para la misión OSIRIS-REX
10:00	Safoura Tanbakouei UV to far-IR reflectance spectra of carbonaceous chondrites
10:15	Josep Maria Trigo Rodríguez El papel catalítico de las condritas en el enriquecimiento prebiótico de la Tierra
10:30	Ricardo Hueso Pequeños impactos en el planeta gigante Júpiter
10:45	PÓSTERES (15-22)

CAFÉ 11:00 – 11:30

**S1 PLENARIA: GRAVITATIONAL WAVES**

Modera: Carlos Palenzuela

11:30	Gabriela González Ground-based gravitational wave detectors: status and latest observations
12:00	Carlos Sopena LISA: The future space-based gravitational-wave detector
12:30	Sascha Husa Modelling the gravitational wave signal from compact binary coalescence
13:00	Vitor Cardoso Testing General Relativity with gravitational waves

COMIDA 13:30 - 15:30 **S2 REUNIÓN DE GRUPO: CIENCIAS PLANETARIAS Y EXPLORACIÓN DEL SISTEMA SOLAR**

S1 Galaxias y Cosmología (GC5)

Modera: Santi Roca

15:30	Helmut Dannerbauer Witnessing the build-up of distant galaxy clusters in the (sub)millimeter regime (invitada)
16:00	Ana Paulino-Afonso The role of mass and environment in galaxy evolution at $z \sim 1$
16:15	Javier Álvarez-Márquez Panchromatic view of Lyman Break Galaxies at $z \sim 3$
16:30	David Martínez Delgado Stellar Tidal Streams in the local Universe
16:45	Gonzalo Vilella Rojo The Star Formation Rate of the Local Universe with J-PLUS survey Data
17:00	Benito Marcote Unveiling the origin of Fast Radio Bursts by localizing the only repeating source
17:15	PÓSTERES (57-66)

S2 Vía Láctea y sus componentes (VL5)

Modera: Jesús Maíz-Apellániz

15:30	Javier Alonso-García VVV and VVV-X surveys: unveiling the innermost Galaxy
15:45	Banafsheh Shahzamanian Near-Infrared Observations of Galactic Centre
16:00	Eulalia Gallego Cano The stellar cusp around the Milky Way's central black hole
16.15	Julio Alberto Carballo Bello The origin of the Galactic halo as traced by its globular clusters
16:30	Merce Romero-Gomez The complexity and richness of the Galactic disc velocity field unveiled by Gaia DR2
16:45	Pau Ramos Ramírez Kinematic structure in the Solar Neighborhood and surroundings with Gaia: a vast richness to explore
17:00	César Esteban Improving the determination of Galactic abundance gradients
17:15	Héctor Estellés Estrella Lensed gravitational waves from spinning neutron stars by SgA* and globular clusters

S3 Instrumentación y supercomputación (IS3)

Modera: José M. Rodríguez-Espinosa

15:30	Joé Antonio Font Numerical relativity simulations of binary neutron star mergers (invitada)
16:00	Daniele Viganò Turbulent MHD and binary mergers
16.15	Ricard Casas Rodríguez Aportación a distintos instrumentos para Cosmología observacional
16:30	Eva Verdugo El archivo final de la misión Herschel
16:45	Jose Sabater New developments for radio-astronomy data intensive infrastructures. From innovative calibration techniques to artificial intelligence.
17:00	Pablo Marcos-Arenal Release of the WSO-UV Software tools to attend the call for the Core Scientific Program
17:15	Héctor Vázquez Ramió Status of the Commissioning of the Pathfinder camera at JST/T250 at the Observatorio Astrofísico de Javalambre

S4 Enseñanza y divulgación (ED2)

Modera: Emilio J. García

15:30	Juan Antonio Belmonte Astronomía y Patrimonio Mundial: el paradigma ibérico (invitada)
16:00	César Esteban ¿Miraba al cielo la Dama de Elche? La interdisciplinariedad aplicada al estudio de la religión de los antiguos iberos
16.15	Adriana de Lorenzo-Cáceres Rodríguez Charla con una Astrónoma
16:30	Alejandra Rueda Moral Niñas que rompieron un techo de cristal mirando al cielo
16:45	Carmen del Puerto Varela El regreso de Henrietta Leavitt: De la escuela a la carrera investigadora pasando por el teatro
17:00	Manuel González García El enigma Agustina
17:15	PÓSTERES (9-16)

CAFÉ 17:30 - 18:00

**S1** PLENARIA: Science / Instrumentation

Modera: Javier Cenarro

18:00	Agustín Sánchez Lavega The exploration of Jupiter by JUNO and Saturn during Cassini Grand Finale
18:30	Armando Gil de Paz First science with MEGARA
19:00	David Sobral The quest for Pop III stars in early galaxies: Are we there yet?
19:30	María Jesús Martínez González Latest achievements in Solar Physics

PROGRAMA SOCIAL

10:30-12:00: OBSERVACIÓN PÚBLICA CON TELESCOPIOS
Parque San Francisco (a confirmar)



ASTRONOMÍA



20:15: CONFERENCIA PÚBLICA
Einstein, agujeros negros y ondas gravitacionales
Gabriela González (Louisiana State University)
S4 Salón de Actos, Colegio Fonseca

IDOM

JUEVES 19 DE JULIO**S1 Galaxias y Cosmología (GC6)**Modera: **Jordi Cepa**

9:00	Ángel Bongiovanni The OTELO survey (invitada)
9:30	Antonio Ferragamo Sunyaev-Zeldovich vs dynamical masses. Scaling relations using optical follow-up of Planck SZ sources
9:45	Jesús Vega Ferrero The Hubble Constant from SN Refsdal
10:00	Ricardo Génova Santos High-significance detection of the relativistic Sunyaev-Zel'dovich effect using Planck data
10:15	Oliver Díaz Rodríguez Calibrating the galaxy color redshift relation for Euclid and mapping the star formation main sequence
10:30	Miguel Pérez Torres A dust-enshrouded tidal disruption event with a resolved radio jet in a galaxy merger
10:45	Carlos Hernandez Monteagudo Angular Redshift Fluctuations: A New Cosmological Probe

S2 Vía Láctea y sus componentes (VL6)Modera: **Banafsheh Shahzamanian**

9:00	Manuel Linares A 2.3 solar-mass neutron star
9:15	Josep Martí Ribas The first winged microquasar
9:30	Montserrat Armas Padilla Broad-band X-ray analysis of neutron star X-ray binaries
9:45	Jesús M. Corral-Santana Long-term study of MAXI J1659-152: the black hole with the shortest orbital period
10:00	Teo Muñoz-Darías Wind outflows from accreting stellar-mass black holes
10:15	Alicia Rouco Escorial An insight into the low level accretion in Be/X-ray transients
10:30	Julia Alfonso-Garzón Optical and X-ray observations of the microquasar V 404 Cyg during its June 2015 outburst
10:45	Antonia Morales-Garoffolo On the Nature of OGLE-2013-SN-100: A Peculiar Optical Transient with a Double-Peaked Light Curve and Stripped-Envelope Supernova Spectra

S3 Enseñanza y divulgación (ED3)Modera: **Adriana de Lorenzo-Cáceres**

9:00	Emilio José García Gómez-Caro El puzzle marciano (invitada)
9:30	Amelia Ortiz-Gil Viaje táctil por el Sistema Solar: Venus
9:45	Enrique Pérez Montero Astroaccesible: Ampliando los límites de la inclusividad en astronomía
10:00	José Antonio Caballero AstroArte
10:15	Montserrat Villar Martin Cultura con C de Cosmos
10:30	Eduard Masana Fresno Actividades de divulgación de la misión Gaia

S4 Ciencias planetarias (CP4)Modera: **Luisa Lara**

9:00	Pedro Figueira The ESO exoplanet-hunting spectrographs (invitada)
9:30	Alejandro Suárez Mascareño The RoPES project with HARPS and HARPS-N: A system of super-Earths around HD 176986 and future prospects
9:45	David Nespral Ground-based characterization of transiting exoplanets
10:00	Elisa Delgado Mena Can we really detect planets around evolved massive stars?
10:15	Luisa María Serrano Estimating the albedo of the exoplanets in presence of stellar activity
10:30	Lucía Suárez-Andrés Refractory element abundances in metal-poor stars with planets
10:45	Eva Villaver The end fates of Planetary Systems

CAFÉ 11:00 - 11:30



S1 PLENARIA: NEW DEVELOPMENTS IN HIGH RESOLUTION IMAGING

Modera: Koraljka Muzic

11:30	Itziar de Gregorio Monsalvo ALMA: Science with exceptional submillimeter capabilities
12:00	Shep Doleman The Event Horizon Telescope: Science at the Black Hole Boundary
12:30	António Amorim PT@GRAVITY: The infrared Camera, the software, the observations
13:00	José Luis Gómez Probing the innermost regions of blazar jets at tens of microarcseconds through space and millimeter VLBI observations

COMIDA 13:30 – 15:30: **S1** REUNIÓN DE GRUPO: PRO-AM

S2 REUNIÓN DE GRUPO: TALLER EXPLOTACIÓN OTELO

S1 PLENARIA: ENSEÑANZA Y DIVULGACIÓN DE LA ASTRONOMÍA

Modera: Natalia Ruiz Zelmanovitch

15:30	I Premio Javier Gorosabel de colaboración ProAm
15:45	Vicent Martínez Historia de la divulgación de la Astronomía (del siglo XVI al siglo XX)
16:05	Inés Rodríguez Hidalgo Que se quede el infinito sin estrellas. Difusión de la Astronomía desde los museos de ciencia y planetarios
16:25	Angel R. López Sánchez Redes sociales, blogs, podcasts y divulgación "virtual"
16:45	Carmen del Puerto La Astronomía y las UCCs. Casos de éxito en comunicación y divulgación científica
17:05	Juan Ángel Vaquerizo La enseñanza de la astronomía en los centros educativos

CAFÉ 17:25-17:50



S1 17:50 - 20:00 ASAMBLEA GENERAL DE LA SEA

PROGRAMA SOCIAL

21:00 **CENA DE LA REUNIÓN CIENTÍFICA**
Hotel Alameda Palace



IDOM

VIERNES 20 DE JULIO**S1 Galaxias y Cosmología (GC7)**Modera: **Hugo Messias**

9:00	Sandra Nogueira dos Reis Deep imaging of the most massive galaxies of the nearby Universe
9:15	Belén Alcalde Pampliega Extremely Red Massive Galaxies in the early Universe: mid-infrared bright sources at $z > 3$
9:30	Luis Alberto Díaz García Correlations between the size and the stellar population properties of quiescent galaxies
9:45	Carlos Gómez-Guijarro Starburst to quiescent from HST/ALMA
10:00	Panos Sklias Spatially resolved 2D analysis of $z \sim 2$ massive star-forming galaxies with HST and ALMA
10:15	Jakub Nadolny The OTELO survey as morphological probe of galaxy evolution in the last 10 Gyr
10:30	Ángela García Arguménez Self-consistent spatially-resolved star formation histories of $1 < z < 3$ galaxies from CANDELS
10:45	Alexandre Vazdekis Abundance ratios and IMF in massive early-type galaxies

S2 Vía Láctea y sus componentes (VL7)Modera: **Laura Toribio**

9:00	David Jones Estrellas binarias centrales de nebulosas planetarias
9:15	Miguel Santander-García The missing mass conundrum of post-common-envelope planetary nebulae
9:30	Elena Manjavacas Cloud Atlas: HST/WFC3 library spectra of brown dwarfs, low-mass companions and hot Jupiters
9:45	Pedro Sarmiento iSpec as a new method for spectroscopic parameter determination in the H-band
10:00	Zaira Berdiñas Do M dwarfs pulsate? The search with the Beating Red Dots project using HARPS
10:15	Pere L. Pallé High precision radial velocity and continuous long-term monitoring of Arcturus with the Hertzprung SONG echelle-spectrograph
10:30	Antonio García Hernández Precise surface gravities of A-type stars from asteroseismology
10:45	Laura María Sampedro Hernández A new methodology to calibrate the new generation of wide-field multi-band photometric surveys

S3 Instrumentación y supercomputación (IS4)Modera: **Jesús Aceituno**

9:00	Héctor Linares Arroyo First Night Sky Modelling of Montsec protected area and its light pollution sources
9:15	Jaime Zamorano Monitorización del brillo de cielo nocturno en España
9:30	Sergio Velasco AOLI's lessons: a story of success
9:45	Antonio Carlos López Jiménez De IMaX a SOPHI y viceversa
10:00	Javier Piqueras López CAB contribution ELT-HARMONI: update after the PDR
10:15	Alex Oscoz Space developments at IACTEC
10:30	Tomás Belenguer Micróptica para la exploración planetaria: nuevos retos en la instrumentación espacial
10:45	José Luis Gálvez A wide field monitor (WFM) based on the LOFT ESA (M3) proposal for the new-generation X-ray missions eXTP (China) and STROBE-X (NASA)

S4 Enseñanza y divulgación (ED4)

Modera: Joao Retrê

9:00	Beatriz González García La iniciativa CESAR
9:15	Nayra Rodríguez Eugenio PETeR: ciencia desde el cole con telescopios profesionales
9:30	Sandra Benítez Herrera CosmoLAB: La Astronomía como laboratorio en el aula
9:45	Sandra Zamora Arenal Observatorio Astronómico de la UAM: Astronomía ciudadana en la Comunidad de Madrid
10:00	Laura M. Parro Viajando por planetas en la Semana de la Ciencia: Un proyecto de divulgación de las Ciencias Planetarias
10:15	Vicent Martínez-Badenes El Máster en Astronomía de la Universidad Internacional de Valencia: la experiencia de un modelo pionero
10:30	Carlos Morales Socorro Astronomía en el aula de Matemáticas: desde GSC 03224-01689 y TYC 3224-2619-1 a AstroPI Challenge 2017-2018
10:45	Sergio Velasco How to viralize your astronomical observations: tweeting Triton occultation

CAFÉ 11:00-11:30

**S1** PLENARIA

Modera: Vicent Martínez

11:30	Consuelo Cid Space weather: Understanding the Sun-Earth interaction
12:00	Pedro Amado CARMENES scientific results
12:30	José Alberto Rubiño Martín Cosmology with the CMB: Latest results from PLANCK and the QUIJOTE experiment
13:00	Rita Tojeiro Large scale structure

11:30-15:30: **S2** REUNIÓN DE GRUPO RAVET**PROGRAMA SOCIAL**

22:00: OBSERVACIÓN PÚBLICA CON TELESCOPIOS
Plaza Mayor (por confirmar)



Relación de pósteres

GALAXIAS Y COSMOLOGÍA

- MEGARA-GC1** **Castillo Morales, África** MEGARA Early-Science results: Stellar populations in nearby galaxies
- MEGARA-GC2** **Catalán Torrecilla, Cristina** MEGARA Early-Science results: Neutral and ionized galactic winds in the central parts of nearby galaxies
- MEGARA-GC3** **Chamorro Cazorla, Mario** MEGARA Early-Science results: Stellar dynamics in external galaxies
- MEGARA-GC4** **García Vargas, María Luisa** MEGARA Early-Science results: Low metallicity regions observed during MEGARA commissioning at the GTC
- MEGARA-GC5** **Martínez Delgado, Ismael** MEGARA Early-Science results: Study of abundances and kinematics of ionized gas in BCDs during MEGARA commissioning
- MEGARA-GC6** **Pacual, Sergio** MEGARA: Herramienta de procesamiento de datos
- GC7** **Agís González, Beatriz** TRUE2: establishing a detectability limit on hidden broad line regions
- GC8** **Aguado Barahona, Alejandro** Optical follow-up of galaxy cluster candidates detected by Planck satellite in the PSZ2 catalogue
- GC9** **Amarantidis, Stergios** The first Super Massive Black Holes: indications from models for future observations
- GC10** **Ayala Gómez, Adrián** On the analysis of the FREDs gamma ray bursts
- GC11** **Azulay, Rebecca** Phase-referencing measurements of positional frequency-dependent shifts in ultra-compact AGN cores
- GC12** **Bellocchi, Enrica** Characterizing the ionized outflows in optically obscured quasars at $z \sim 0.4$
- GC13** **Bonoli, Silvia** Massive black hole seeds from gas-rich galaxy mergers
- GC14** **Breda, Iris** The continuous rise of bulges out of galactic disks
- GC15** **Buitrago, Fernando** Accurate number densities and environment for compact and relic massive galaxies
- GC16** **Cabello González, Cristina** First results of an observational test of a double reionization scenario by detecting galaxies at high redshift
- GC17** **Carro Maroto, Jorge** Estructura estelar en teorías de gravedad modificada
- GC18** **Castelão, Diogo** Testing structure formation in Unified Dark matter-energy models
- GC19** **Cazzoli, Sara** Optical spectroscopy of local type-1 AGN LINERs
- GC20** **Correia, José Ricardo** Anisotropic Domain Walls
- GC21** **Crespo Gómez, Alejandro** Stellar kinematics and dynamics of a sample of LIRGs observed with SINFONI
- GC22** **Díaz García, Luis Alberto** The capabilities of the J-PLUS survey for stellar population studies
- GC23** **Díaz-Sánchez, Anastasio** Discovery of a lensed ultrabright submillimeter galaxy at $z=2.0439$
- GC24** **Domínguez Fernández, Alejandro Javier** Molecular gas in/outflows in the nuclear regions of five Seyfert galaxies
- GC25** **Domínguez Sánchez, Helena** Deep learning for morphological classification of galaxies
- GC26** **Eftekhari, Elham** Environmental dependence of the IMF-sensitive features in intermediate-mass quiescent galaxies
- GC27** **Erroz Ferrer, Santiago** The MUSE Atlas of Disks (MAD): Ionized gas properties in local galaxies
- GC28** **Fuentes, Antonio** Total and linearly polarized synchrotron emission from overpressured magnetized relativistic jets
- GC29** **Galera Rosillo, Rebeca** La búsqueda de nebulosas planetarias en las afueras de M33: Qué encontramos cuando no encontramos "nada".
- GC30** **García Quirós, Cecilio** Modelling subdominant gravitational waves modes and its astrophysical implications
- GC31** **Gonçalves Morais, Sandy** Feedback in Lyman-alpha halos around two radio galaxies at $z \sim 2.5$
- GC32** **Herrero Illana, Rubén** A multi-wavelength approach towards the characterization of Luminous Infrared Galaxies
- GC33** **Humphrey, Andrew** Photoionization models for extreme Ly-alpha ratios from high-z quasar halos and Ly-alpha blobs
- GC34** **Izquierdo-Villalba, David** Mock Galaxy Lightcones with Emission Lines for Narrow-Band Photometric Surveys
- GC35** **Izquierdo Villalba, David** Supermassive black hole growth in galaxy formation models
- GC36** **Labiano, Alvaro** MIRI GTO spectroscopy of high-z galaxies
- GC37** **Logroño García, Rafael** J-PLUS DR1: 2D SFR properties in nearby galaxies
- GC38** **Martínez Lombilla, Cristina** Measuring disc growth of Milky Way-like galaxies with ultra-deep imaging
- GC39** **Matute, Israel** Searching for the first Radio Galaxies
- GC40** **Messias, Hugo** AGN demography with JWST - broad-band imaging to the rescue
- GC41** **Millán Irigoyen, Iker** The role of dust in galactic chemical evolution
- GC42** **Mollá, Mercedes** 2D-Galaxy Chemical evolution models: The role of the spiral wave overdensity on the elemental abundances
- GC43** **Nieves Seoane, Lorena** Función de correlación del catálogo Ks de ALHAMBRA
- GC44** **Nieves Seoane, Lorena** Función de Luminosidad (LF) del catálogo cruzado ALHAMBRA Ks + IRAC
- GC45** **Ordovás-Pascual, Ignacio** Dust-to-gas ratio in a complete sample of type-1 AGN
- GC46** **Pappalardo, Ciro** Star-dust interplay in late type galaxies at $z < 0.5$
- GC47** **Pappalardo, Ciro** The Portuguese Alma Center of Expertise: ALMA research in Portugal after 3 years
- GC48** **Paulino-Afonso, Ana** LAEs: don't ever change?
- GC49** **Paulino-Afonso, Ana** Mergers, shocks and turbulence and their effects on galaxy evolution
- GC50** **Pérez Montero, Enrique** Towards a solid determination of the chemical properties of high-z star-forming galaxies using UV lines
- GC51** **Reina Conde, Alejandro** AMS: Carbon flux time variation
- GC52** **Roca Fábrega, Santi** O VI in the CGM: Dependence on z and galaxy mass
- GC53** **Rodríguez Baras, Marina** Inner and outer star forming regions over the disks of spiral galaxies
- GC54** **Rodríguez Monroy, Martín** Exploring galaxy clustering with the Dark Energy Survey dataset
- GC55** **Ros Ibarra, Eduardo** mm-VLBI observations of Active Galactic Nuclei
- GC56** **Sagun, Violetta** Constraints on the dark matter core inside the neutron stars
- GC57** **Sánchez-Blázquez, Patricia** The TIMER Project (Time Inference with MUSE in Extragalactic Rings)
- GC58** **Spinoso, Daniele** Black Hole seeding in the L-Galaxies semi-analytical model

- GC59** **Spinoso, Daniele** A search for bright Lyman-alpha emitters in the J-PLUS photometric survey
- GC60** **Sabater, José** Characterization of SDSS sources at 150 MHz.
- GC61** **Urbano Mayorgas, Juan José** The host galaxies of luminous obscured active galactic nuclei at $z=0.3-0.4$.
- GC62** **Urdampilleta Aldama, Igone** X-ray study of the double radio relic Abell 3376 with Suzaku
- GC63** **Valcín, David** Bias emulator for next generation precision surveys
- GC64** **Vega García, Laura** Multifrequency analysis of the jet in 0836+710
- GC65** **Vega García, Laura** Numerical analysis of the observed instabilities in the jet of 0836+710
- GC66** **Vives Arias, Héctor** High-resolution imaging of the multiphase AGN-driven outflow of NGC1068

VÍA LÁCTEA Y SUS COMPONENTES

- Gaia-VL1** **Balaguer Núñez, Lola** Open Clusters Membership by Clusterix 2.0 for Gaia DR2
- Gaia-VL2** **Cantat Gaudin, Tristán** The Open Cluster population seen by Gaia
- Gaia-VL3** **Figueras, Francesca** Dynamical ages of the Young Local Associations with Gaia
- Gaia-VL4** **Figueras, Francesca** The Spanish Network for Gaia Science Exploitation and the Second Data Release
- Gaia-VL5** **Jiménez Esteban, Francisco Manuel** The Pleiades as seen by Tycho-Gaia Astrometric Solution and the Virtual Observatory
- Gaia-VL6** **Jordi, Carme** The OCCASO open clusters revisited with Gaia data
- Gaia-VL7** **Maíz Apellániz, Jesús** ¿Qué nos puede decir Gaia sobre las estrellas masivas?
- Gaia-VL8** **Montes Gutiérrez, David** Late-type stars members of young stellar kinematic groups after Gaia-DR2
- Gaia-VL9** **Romero-Gómez, Mercè** The Galactic warp signature as detected by Gaia DR2
- Gaia-VL10** **Vioque de Lózar, Miguel** Gaia Study on the Formation of Intermediate Mass Stars
- CARMENES-VL11** **Carro Maroto, Jorge** CARMENES target characterisation: close and wide multiplicity in M dwarfs
- CARMENES-VL12** **Gómez Marfil, Emilio** Stellar atmospheric parameters of FGK-type stars from high-resolution optical and near-infrared CARMENES spectra
- CARMENES-VL13** **Labarga Ávalos, Fernando** The chromospheric activity of M dwarfs from visible and near-infrared CARMENES spectra: analysis of flux-flux relationships
- CARMENES-VL14** **Lázaro Barrasa, Francisco Javier** Spectral synthesis of CARMENES M-type stars: stellar atmospheric parameters
- VL15** **Alfaro, Emilio J.** Stellar component in the OTELO emission-line survey
- VL16** **Aller Egea, Alba** Planetary nebula LoTr5: hints of a possible third companion in a long-period binary central star
- VL17** **Anders, Friedrich** Dissecting the chemical abundance space of the solar neighbourhood with t-SNE
- VL18** **Beitia Antero, Leire** Taking advantage of Machine Learning to identify potential T-Tauri star candidates
- VL19** **Bordiú Fernández, Cristobal** Tracing back the mass loss history of the LBV MGE042.0787+00.5084
- VL20** **Caballero, José Antonio** On the name of stars with exoplanets
- VL21** **Carrera, Ricardo** Open clusters through the eyes of WEAVE
- VL22** **de Burgos Sierra, Abel** A new OSIRIS/GTC and IDS/INT spectroscopic survey of young stars in the sigma Orionis cluster
- VL23** **Delgado Mena, Elisa** Stellar dating using chemical abundances
- VL24** **Domingo Garau, Albert** 15 years of INTEGRAL/OMC monitoring
- VL25** **Fedriani, Rubén** Protostellar jets revealing the physical processes of high mass star formation
- VL26** **Galera Rosillo, Rebeca** The origin of the most luminous planetary nebulae I: M31
- VL27** **Galindo Guil, Francisco José** The low end of the IMF: very low mass stars and substellar objects in different ages states
- VL28** **García Santa-María, Miriam** Widespread UV-irradiated Warm and Dense gas in Orion Molecular Cloud
- VL29** **Gómez Garrido, Miguel** The variability of SiO maser emission from evolved stars
- VL30** **Gómez-Muñoz, Marco Antonio** The central star of NGC2346, as a clue to binary evolution through the common envelope phase
- VL31** **González Payo, Javier** High-mass companions to ultracool subdwarfs
- VL32** **Guerrero Roncel, Martín** A New Classical Nova Shell in Cygnus
- VL33** **Herrero Bermúdez, Álvaro** Dark matter driven conversion of neutron stars into quark stars
- VL34** **Iglesias-Marzoa, Ramón** Physical parameters of the low-mass eclipsing binary NSVS 10653195
- VL35** **Jiménez Ibarra, Felipe** The vertical structure of the accretion disc in LMXBs
- VL36** **Jones, David** El baile estelar más largo en una nebulosa planetaria
- VL37** **Labarga Ávalos, Fernando** iSTARMOD: a Python code to quantify the chromospheric activity of FGKM stars using the spectral subtraction technique
- VL38** **Lares Martiz, Mariel** Direct Deconvolution: a method to minimize the effects of the observational window on power spectra
- VL39** **Lillo-Box, Jorge** TROY - The search for exotrojan planets
- VL40** **Llorente de Andres, Félix** Dependency analysis of stellar Li depletion in the presence of planets
- VL41** **López Martínez, Fátima** Analysis of the physical properties of jets/outflows in T Tauri stars
- VL42** **Lorenzo Gutiérrez, Antonio** GALANTE: 11 bands photometry of Cyg OB2
- VL43** **Maíz Apellániz, Jesús** Una biblioteca de espectros de alta resolución de estrellas masivas
- VL44** **Manchado, Arturo** GTC/CanariCam narrow-band Imaging of the Fullerene-rich Planetary Nebula IC 418
- VL45** **Manjavacas, Elena** Cloud Atlas: Discovery of Rotational Spectral Modulations in a Low-mass, L-type Brown Dwarf Companion to a Star
- VL46** **Mata Sanchez, Daniel** The 1989 and 2015 outbursts of V404 Cygni: a global study of spectroscopic optical features
- VL47** **Mendigutía, Ignacio** Linking young stars, clouds, and galaxies through stellar accretion rates
- VL48** **Montes Gutiérrez, David** Calibrating the metallicity of M dwarfs in wide physical binaries with F-, G-, and K- primaries: a sample of 192 physically bound systems
- VL49** **Mor, Roger** Decoding the local star formation scenario with the Besançon Galaxy Model
- VL50** **Negueruela, Ignacio** A new classification scheme for B-type stars
- VL51** **Nogueras Lara, Francisco** A new infrared view of the Galactic Centre. The GALACTICNUCLEUS survey
- VL52** **Pajuelo Polo, Pablo** Equation of state for neutron star outer crusts

- VL53 Pascual Granado, Javier** Detection of Flares in A-type stars using Bayesian Blocks and Superresolution techniques
- VL54 Pérez Blanco, Alice G. Yumiri** Clustering properties of Herbig Ae/Be stars
- VL55 Pérez Mesa, Víctor** Circumstellar effects on the Li and Ca abundances in massive Galactic O-rich AGB stars
- VL56 Rodes Roca, José Joaquín** Discussing the nature of three BeXRBs through infrared spectroscopy
- VL57 Rodrigo Blanco, Carlos** Spanish Virtual Observatory Discovery Tool
- VL58 Rodrigo Blanco, Carlos** VOSA: A Virtual Observatory tool to estimate physical parameters of stellar objects from SED fitting
- VL59 Rodríguez Berlanas, Sara** Exploring massive stars in the Cygnus OB2 association
- VL60 Sagun, Violetta** Realistic equation of state for neutron stars interior consistent with heavy-ion collision data
- VL61 Sánchez, Néstor** Determining the radius of an open cluster from stellar proper motions
- VL62 Sánchez Contreras, Carmen** The intricate nebular architecture of "The Rotten Egg" disclosed by ALMA
- VL63 Solano Márquez, Enrique** A catalogue of binary and multiple stars from TGAS and the Virtual Observatory
- VL64 Solano Márquez, Enrique** Identification of ultracool dwarfs in ALHAMBRA and COSMOS fields
- VL65 Stoev, Hristo** A catalogue of variable stars in the near-infrared from the WFCAM Transit Survey
- VL66 Suárez Mascareño, Alejandro** Magnetic cycles and rotation in late type stars
- VL67 Suárez Yanes, Juan Carlos** The entropy of stellar oscillations
- VL68 Torné, Pablo** Pulsar observations at the highest radio frequencies
- VL69 Torné, Pablo** Searching for pulsars around Sgr A* at radio wavelengths
- VL70 Trigueros Páez, Emilio** A Systematic Study of Northern O-type Binaries
- VL71 Ustamujic, Sabina** Constraining the structure of X-ray emitting jets close to the launching site
- VL72 Vara Lubiano, Mónica** Mapping the Owl Nebula
- VL73 Vázquez Ramió, Héctor** Identification of RR Lyrae stars in the Javalambre Photometric Local Universe
- VL74 Velasco, Sergio** Probing the theories on disk-star interactions with CanariCam: the unique quintuplet YSO system LkHa 262/263

CIENCIAS PLANETARIAS

- CP1 Alemañ Berenguer, Rafael Andrés** The internal structure of small solar system bodies related to their collisional environment
- CP2 Canet Varea, Ada** Modelización numérica de la interacción entre las exosferas planetarias y el viento estelar
- CP3 Cardona Guillén, Carlos** A radial velocity search for exoplanets around members of young open clusters and moving groups with CARMENES
- CP4 Chen-Chen, Hao** Martian dust size and shape from MSL Engineering Cameras
- CP5 Cifuentes San Román, Carlos** Spectral energy distributions and luminosities of M dwarfs in the CARMENES search for exoplanets
- CP6 Climent Oliver, Juan Bautista** Exploring the nature of AB Dor C with NIR interferometry
- CP7 Cortés Contreras, Miriam** Identification and characterization of asteroids using the WFCAM Transit Survey and the Virtual Observatory
- CP8 del Ser Badia, Daniel** TFAW: wavelet-based signal reconstruction to reduce photometric noise in time-domain surveys
- CP9 Domingo Beltrán, Manuel** Uso de la ecuación de Lorentz-Lorenz en astrofísica
- CP10 Herrero-Gil, Andrea** Modelización 3D de escarpes lobulados en Marte
- CP11 Lorente Balanza, Rosario** JUICE: a European Mission to Jupiter and its Icy Moons
- CP12 Luna, Ramón** Estudio de la desorción térmica del metanol con una microbalanza de cuarzo.
- CP13 Maldonado, Jesús** Towards a comprehensive view of planet formation: The role of the host star's metallicity
- CP14 Martínez Rodríguez, Héctor** Exomoons in the habitable zones of M dwarfs
- CP15 Millán Verdú, Carlos** Use of a QCM to measure the diffusion coefficients and desorption of volatiles in ices of astro physical interest
- CP16 Ordóñez Etxeberria, Iñaki** Caracterización de una tormenta de polvo en Marte con medidas in situ obtenidas por REMS en el Mars Science Laboratory y datos orbitales con MARCI/MRO
- CP17 Parro, Laura M.** Local heat flow and subsurface temperature in InSight landing-site
- CP18 Parro, Laura M.** Marte: Evolución térmica y estructura de su corteza
- CP19 Pozuelos Romero, Francisco José** Dinámica del Sistema Planetario GJ 273
- CP20 Rivas Dorado, Samuel** Possible dike systems in Elysium Planitia (Mars); reducing the knowledge gap
- CP21 Serrano, Luisa María** Detecting the RM effect in presence of stellar differential rotation
- CP22 Toledo Padrón, Borja** Spectroscopic time series of activity indicators of the Barnard's Star

INSTRUMENTACIÓN Y SUPERCOMPUTACIÓN

- IS1 Blanco, José Manuel** DEAVI: Dynamic Evolution Added Value Interface
- IS2 Cardiel, Nicolás** Reducing EMIR spectroscopic data with Python
- IS3 Colomer, Francisco** What can VLBI do for your research? The EVN and JIVE.
- IS4 Lewis, Jim** The WEAVE Core Processing System at CASU
- IS5 Manteiga Outeiro, Minia** Object classification in big astronomical surveys by self-organizing maps. Application to the Alhambra survey
- IS6 Peralta de Arriba, Luis** The WEAVE Quick-Look GUI
- IS7 Ribas Rubio, Salvador José** Interaction of clouds and fog with the measure of Night Sky Brightness (in dark and not so dark locations)
- IS8 Rodón Ortiz, José Ramón** AsteroModelGenerator: Creating your asteroseismic models and publish them in the Virtual Observatory.
- IS9 Rodríguez Coira de la Peña, Gustavo** GRAVITY: Reaching out to SgrA* with VLTI

FÍSICA SOLAR

FS1 Blanco Rodríguez, Julián SOPHISM: instrument simulation software

FS2 Carbonell Huguet, Marc Alfvén Waves in a partially ionized two-fluid plasma

ENSEÑANZA Y DIVULGACIÓN

ED1 Benítez Herrera, Sandra El proyecto "Chicas en el Museo": promoviendo la igualdad de género en la ciencia en espacios de educación no-formal.

ED2 Buitrago, Fernando Studying Astronomy in Portugal and the IA, the best choice for your future career

ED3 Corral-Santana, Jesús M. ESO opportunities for early career scientists

ED4 de Burgos Sierra, Abel Los telescopios de la iniciativa CESAR de la Agencia Espacial Europea

ED5 Del Puerto Varela, Carmen Graffiti para Henrietta Leavitt. Murales de arte callejero en los municipios tinerfeños de Tacoronte y La Laguna

ED6 García Sánchez-Carnerero, Lucía Nixnox

ED7 Hernández Bernal, Jorge Observando el movimiento de los satélites principales de Saturno, Urano y Neptuno: Una práctica de astrodinámica

ED8 Martín Mesonero, Óscar "Euphoria" Under the shadow

ED9 Millán Irigoyen, Iker Observatorio Astronómico de la UAM: Proceso de rehabilitación

ED10 Negro, Cristina Exposición "Un tros de cel" (Trozo de cielo)

ED11 Pallé, Pere L. Nuevas estrategias para la enseñanza de la Astronomía en la Educación Secundaria Obligatoria

ED12 Pallé, Pere L. Resultados del taller "¿Y si Kepler hubiera sido del Atleti?"

ED13 Retrê, João When Future Scientists Communicate Science

ED14 Rodríguez Baras, Marina Observatorio Astronómico de la UAM: Impacto social de actividades

ED15 Sabater, José Radio-astronomy projects for university students.

ED16 Ulla Miguel, Ana Inclusión de aspectos docentes de la astronomía en grados científico-técnicos. Casos de estudio y ejemplo.