

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

Viernes 13 de julio, 20:00 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	9:00 – 11:00 Paralelas GC2 VL2 ED1 IS2 S1 S2 S3 S4	9:00 – 11:00 Paralelas GC4 VL4 FS2 CP3 S1 S2 S3 S4	9:00 – 11:00 Paralelas GC6 VL6 ED3 CP4 S1 S2 S3 S4	9:00 -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. Exterior Hospedería 20:15 S4 Conferencia pública Gabriela González	21:00 Cena de la XIII Reunión Científica Hotel Alameda Palace Paseo de la Estación, 1	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 (1-18)

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 Cardesin-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 (19-36)

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 (37-54)

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 Rebolledo 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 Corre, SEA, corre
Salida desde el Colegio Mayor Oviedo

**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: Laia Casamiquela**

9:00	Izaskun Jiménez-Serra Prebiotic chemistry in the ISM: from cold cores to Galactic center clouds (invitada)
9:30	David Navarro Almida 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 Vígano 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 íberos
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
Exterior de la Hospedería Fonseca



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	Teo Muñoz-Darias Wind outflows from accreting stellar-mass black holes
10:00	Alicia Rouco Escorial An insight into the low level accretion in Be/X-ray transients
10:15	Julia Alfonso-Garzón Optical and X-ray observations of the microquasar V 404 Cyg during its June 2015 outburst
10:30	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
10:45	PÓSTERES (55-71) en lugar de la charla programa inicialmente a las 9:45por Jesús M. Corral-Santana Long-term study of MAXI J1659-152: the black hole with the shortest orbital period

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 Maria Serrano Estimating the albedo of the exoplanets in presence of stellar activity
10:30	CANCELADA 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 Doeleman 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
Paseo de la Estación, 1



IDOM

VIERNES 20 DE JULIO**S1 Galaxias y Cosmología (GC7)****Moderador: 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 Argumánez 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)**Moderador: 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 Sarmento 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)**Moderador: 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	Antonio Carlos López Jiménez De IMAx a SOPHI y viceversa
9:45	Javier Piqueras López CAB contribution ELT-HARMONI: update after the PDR
10:00	Alex Oscoz Space developments at IAC/TEC
10:15	Tomás Belenguer Micróptica para la exploración planetaria: nuevos retos en la instrumentación espacial
10:30	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

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
- ANULADO** **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 $z \sim 0.3-0.4$.

- 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** **Herrero Bermúdez, Álvaro** Dark matter driven conversion of neutron stars into quark stars
- VL32** **Iglesias-Marzoa, Ramón** Physical parameters of the low-mass eclipsing binary NSVS 10653195
- VL33** **Jiménez Ibarra, Felipe** The vertical structure of the accretion disc in LMXBs
- VL34** **Jones, David** El baile estelar más largo en una nebulosa planetaria
- VL35** **Labarga Ávalos, Fernando** iSTARMOD: a Python code to quantify the chromospheric activity of FGKM stars using the spectral subtraction technique
- VL36** **Lares Martiz, Mariel** Direct Deconvolution: a method to minimize the effects of the observational window on power spectra
- VL37** **Lillo-Box, Jorge** TROY - The search for exotrojan planets
- VL38** **Llorente de Andres, Félix** Dependency analysis of stellar Li depletion in the presence of planets
- VL39** **López Martínez, Fátima** Analysis of the physical properties of jets/outflows in T Tauri stars
- VL40** **Lorenzo Gutiérrez, Antonio** GALANTE: 11 bands photometry of Cyg OB2
- VL41** **Maíz Apellániz, Jesús** Una biblioteca de espectros de alta resolución de estrellas masivas
- VL42** **Manchado, Arturo** GTC/CanariCam narrow-band Imaging of the Fullerene-rich Planetary Nebula IC 418
- VL43** **Manjavacas, Elena** Cloud Atlas: Discovery of Rotational Spectral Modulations in a Low-mass, L-type Brown Dwarf Companion to a Star
- VL44** **Mata Sanchez, Daniel** The 1989 and 2015 outbursts of V404 Cygni: a global study of spectroscopic optical features
- VL45** **Mendigutía, Ignacio** Linking young stars, clouds, and galaxies through stellar accretion rates
- VL46** **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
- VL47** **Mor, Roger** Decoding the local star formation scenario with the Besançon Galaxy Model
- VL48** **Negueruela, Ignacio** A new classification scheme for B-type stars
- VL49** **Nogueras Lara, Francisco** A new infrared view of the Galactic Centre. The GALACTICNUCLEUS survey
- ANULADO VL50** **Pajuelo Polo, Pablo** Equation of state for neutron star outer crusts
- VL51** **Pascual Granado, Javier** Detection of Flares in A-type stars using Bayesian Blocks and Superresolution techniques
- VL52** **Pérez Blanco, Alice G. Yumiri** Clustering properties of Herbig Ae/Be stars
- VL53** **Pérez Mesa, Víctor** Circumstellar effects on the Li and Ca abundances in massive GalacticO-rich AGB stars
- VL54** **Rodes Roca, José Joaquín** Discussing the nature of three BeXRBs through infrared spectroscopy
- VL55** **Rodrigo Blanco, Carlos** Spanish Virtual Observatory Discovery Tool

- VL56 Rodrigo Blanco, Carlos** VOSA: A Virtual Observatory tool to estimate physical parameters of stellar objects from SED fitting
- VL57 Rodríguez Berlanas, Sara** Disentangling the internal structure of Cygnus OB2 using Gaia-DR2 data
- VL58 Sagun, Violetta** Realistic equation of state for neutron stars interior consistent with heavy-ion collision data
- VL59 Sánchez, Néstor** Determining the radius of an open cluster from stellar proper motions
- VL60 Sánchez Contreras, Carmen** The intricate nebular architecture of "The Rotten Egg" disclosed by ALMA
- ANULADO VL61 Solano Márquez, Enrique** A catalogue of binary and multiple stars from TGAS and the Virtual Observatory
- VL62 Solano Márquez, Enrique** Identification of ultracool dwarfs in ALHAMBRA and COSMOS fields
- VL63 Stoev, Hristo** A catalogue of variable stars in the near-infrared from the WFCAM Transit Survey
- VL64 Suárez Mascareño, Alejandro** Magnetic cycles and rotation in late type stars
- VL65 Suárez Yanes, Juan Carlos** The entropy of stellar oscillations
- VL66 Torné, Pablo** Pulsar observations at the highest radio frequencies
- VL67 Torné, Pablo** Searching for pulsars around Sgr A* at radio wavelengths
- VL68 Trigueros Páez, Emilio** A Systematic Study of Northern O-type Binaries
- VL69 Ustamujic, Sabina** Constraining the structure of X-ray emitting jets close to the launching site
- VL70 Vara Lubiano, Mónica** Mapping the Owl Nebula
- VL71 Vázquez Ramió, Héctor** Identification of RR Lyrae stars in the Javalambre Photometric Local Universe

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 QCMB 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.