



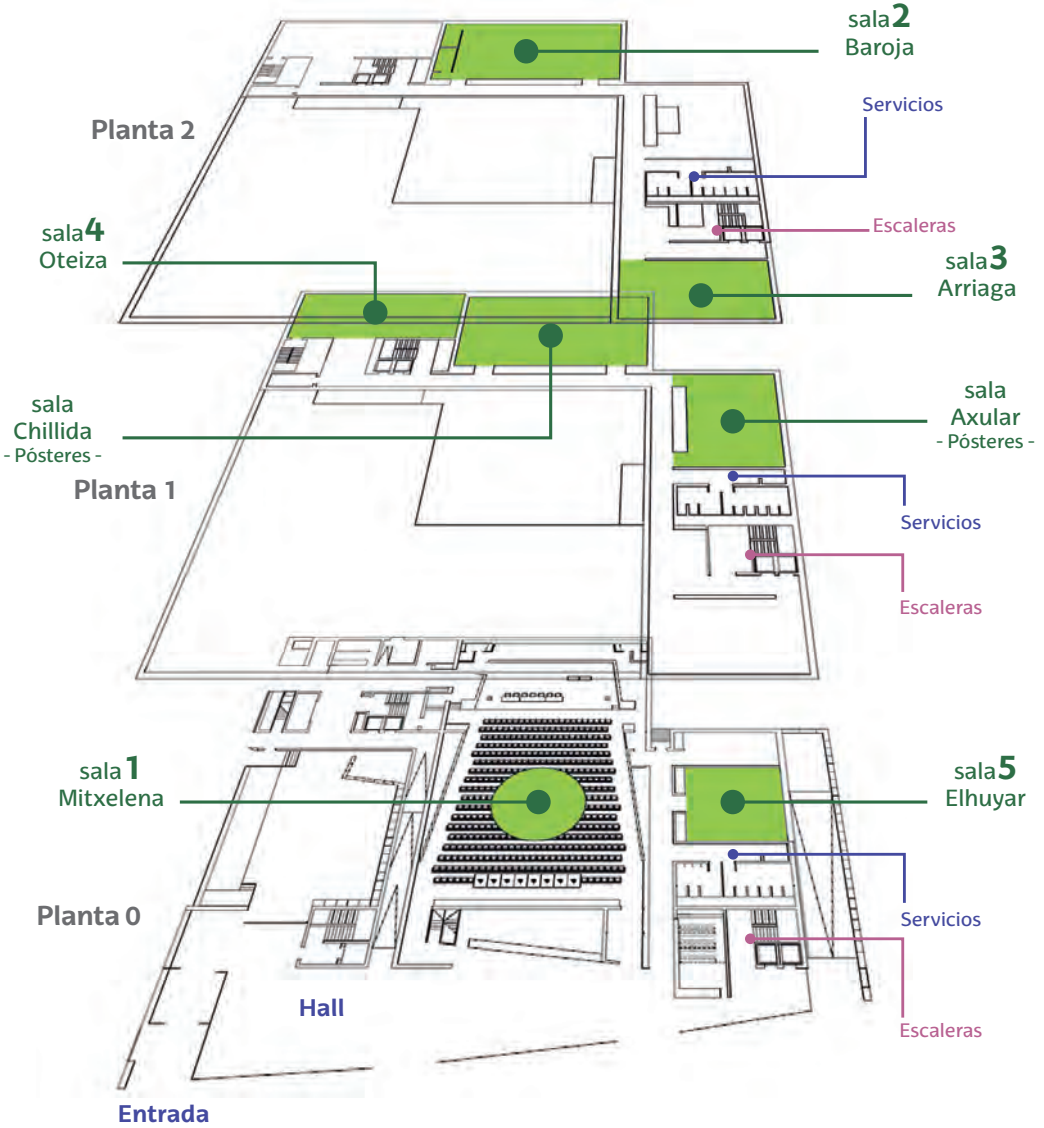
Agenda

XII REUNIÓN CIENTÍFICA DE LA SOCIEDAD ESPAÑOLA DE ASTRONOMÍA

Bilbao 18-22 Julio de 2016
Bizkaia Aretoa



Bizkaia Aretoa



Lunes 18

Sesión Inaugural

sala 1

9:00 **Apertura y Bienvenida**

9:40 **Rafael Bachiller**, gestor del Plan Estatal de Investigación: Área de Ciencias del Espacio, España-ESO y el área AYA del Plan Estatal de I+D+i

10:00 **Ramón García-López**, gestor del Plan Estatal de Investigación: Área de Ciencias del Espacio

10:20 **Jordi Torra**, coordinador de la RIA

10:40 **Javier Gorgas**, presentación del estudio de Recursos Humanos de la SEA

11:00
11:30 café

patrocinado por



Plenarias
Premios SEA

sala 1

11:30 **Tim de Zeeuw**, Ten years of Spain and ESO

12:00 **Roberto Sanchís**, The shortest period planets.
Premio SEA a la mejor tesis doctoral en Astrofísica del año 2014.

12:20 **Ariadna Calcines**, Design of an Integral Field Spectrograph for the European Solar Telescope. Premio SEA a la mejor tesis doctoral en 'Instrumentación, Computación y Desarrollo Tecnológico en Astronomía y Astrofísica año 2014.

12:40 **Ignacio Martín-Navarro**, Galactic archeology: unearthing the early Universe through stellar populations analysis. Premio SEA ex aequo a la mejor tesis doctoral en Astrofísica del año 2015.

13:00 **Joel Sánchez Bermúdez**, Depicting massive stars physics with infrared interferometry. Premio ex aequo SEA a la mejor tesis doctoral en Astrofísica del año 2015.

13:30
15:30 comida

RG1

Reunión de Grupo: MIRADAS y CIRCE

sala 4

Plenaria
JWST

sala 1

modera: **Luis Colina**

15:30 **Pierre Ferruit** The James Webb Space Telescope

16:00 **Pablo Pérez-González** JWST- Surveys at high redshift

16:20 **Cristina Ramos Almeida** JWST- Internal structure in Galaxies

16:40 **Rosa Zapatero Osorio** JWST- Exoplanets and substellar objects

17:00 **Noemí Pinilla** El Sistema Solar que está por venir: ¿preparado para el JWST?

17:20 **Luis Colina** JWST – Concluding remarks

17:20
17:50 café

patrocinado por



GC

- 17:50 **Mediavilla, Evencio** Astrophysical applications of quasar microlensing (invitada)
- 18:15 **Cebrián Renau, María** How galaxies look-like beyond 31mag/arcsec2?
- 18:30 **García Bernete, Ismael** The nuclear and extended mid-infrared emission of Seyfert galaxies
- 18:45 **Díaz Santos, Tania** ALMA Reveals the Turbulent Life of the Most Luminous Galaxy in the Universe
- 19:00 **Tabatabaei, Fatemeh** Uncovering Star Formation Feedback and Magnetism in Galaxies with Radio Continuum Surveys
- 19:15 **Peralta de Arriba, Luis** Galaxias reliquias: ¿dónde están?
- 19:30 **González Martín, Omaira** Decomposing the mid-infrared emission of AGN to study the disappearance of the torus at the low-luminosity end

sala 1

modera: Emilio Alfaro

VL

- 17:50 **Bouy, Hervé** COSMIC DANCE: unravelling the origin of the IMF (invitada)
- 18:15 **Alonso-García, Javier** The giga-CMD of the VVV survey
- 18:30 **Fabricius, Claus** Validation of Gaia data
- 18:45 **Romero-Gómez, Mercè** Gaia + (WEAVE, EMIR...): orbits and radial migration of kinematic tracers
- 19:00 **Mor, Roger** Galactic Cepheids as tracers of the Thin Disc Initial Mass Function
- 19:15 **Pallé, Pere L.** El proyecto SONG: operación y primeros resultados científicos
- 19:30 **Reina Campos, Marta** The use of the Tremaine-Weinberg method to derive the pattern speed of the Milky Way spiral arms and bar

sala 2

modera: Consuelo Cid Tortuero

FS

- 17:50 **Borrero, Juan Manuel** First Scientific Results with the GREGOR Telescope (invitada)
- 18:15 **Arregui, Iñigo** Inference of the magnetic field strength from transverse oscillations in solar atmospheric waveguides
- 18:30 **Ballester Mortes, José Luis** Prominence oscillations: Effect of a time-dependent background temperature
- 18:45 **Bellot Rubio, Luis** Vector magnetic field of lateral downflows in sunspot penumbral filaments
- 19:00 **del Toro Iniesta, José Carlos** Retos científicos y tecnológicos para la física solar espacial del próximo decenio
- 19:15 **Griñón Marín, Ana Belén** Oscilaciones Filamentosas en la Penumbra de una Mancha Solar
- 19:30 **SESIÓN PÓSTERES** | modera: María Jesús Martínez

sala 3

modera: José Caballero

ED

- 17:50 **Ruiz Zelmanovich, Natalia** NANOCOSMOS: un viaje a lo pequeño
- 18:05 **Rosenberg González, Alfred** Divulgación a la carta: proyectos del IAC para cada audiencia
- 18:20 **García Álvarez, David** Roque de los Muchachos Observatory: Taking astronomy to the local Secondary Schools and beyond
- 18:35 **Toribio San Cipriano, Laura** El Principio Cero de la Divulgación
- 18:50 **Zamorano Calvo, Jaime** STARS4ALL proyecto de concienciación ciudadana sobre contaminación lumínica
- 19:05 **Ribas Rubio, Salvador José** Amplificación (o no) de la contaminación lumínica por la nubosidad
- 19:20 **Ros, Rosa María** Ciencia en Acción: una plataforma para la Astronomía (invitada)

sala 4

19:45

RG2

sala 1

Reunión de Grupo: Astronomía, industria y empleabilidad

Programa Social

20:00

Paseo guiado
por Bilbao

Reserva de plazas y pagos en la Secretaría Técnica los días 17 y 18.
Grupo mínimo de 20 personas.
El LOC se reserva el derecho a cancelar la visita por falta de asistentes.
Punto de encuentro: Mostrador de acreditaciones de la sede.

23:00

GC

- 9:00 **Rubiño, José Alberto** The QUIJOTE experiment. Project status and first scientific results (invitada)
- 9:25 **Cuesta, Antonio J.** Constraints on neutrino mass from galaxy surveys
- 9:40 **Kehrig, Carolina** On the ionizing photons budget of metal-poor star-forming galaxies: the case of IZw18
- 9:55 **Ros Ibarra, Eduardo** The sharpest view of the Universe
- 10:10 **Sanfrutos, Mario** Probing relativistic effects in the central engine
- 10:25 **Pérez Torres, Miguel** The Close AGN Reference Survey (CARS): Uncovering the link between AGN and star formation with spatially-resolved multi-wavelength observations
- 10:40 **SESIÓN PÓSTERES** | modera: Javier Gorgas

sala 1

modera: Joel Sánchez Bermúdez

VL

- 9:00 **Osorio, Mayra** Signs of planet formation in protoplanetary disks (invitada)
- 9:25 **Ustamujic, Sabina** MHD simulations of protostellar jets: formation and stability of shock diamonds
- 9:40 **Manjavacas, Elena** Characterizing young brown dwarfs atmospheres with polarization data
- 9:55 **Schoedel, Rainer** The stellar cusp around The Milky Way's central black hole
- 10:10 **Dong, Hui** Variable Stars within 5 pc of the Milky Way's Central Black Hole
- 10:25 **Abril Ibáñez, Javier** Searching for Cataclysmic Variables in the J-PLUS Survey

sala 2

modera: Almudena Prieto

IS

- 9:00 **García López, Rebeca** Infrared Interferometry with the 2nd generation of VLTI instruments: GRAVITY and MATISSE (invitada)
- 9:25 **de Ugarte Postigo, Antonio** OCTOCAM: A fast multichannel imager and spectrograph for the Gemini observatory
- 9:40 **Piqueras López, Javier** CAB contribution to HARMONI, first-light instrument of the E-ELT
- 9:55 **Gil de Paz, Armando** MEGARA, the new intermediate-resolution IFU&MOS for GTC: getting ready for the telescope
- 10:10 **Ederoclite, Alessandro** Commissioning and Science Verification of the Javalambre Auxiliary Survey Telescope
- 10:25 **Garzón, Francisco** Primeros resultados del comisionado de EMIR
- 10:40 **SESIÓN PÓSTERES** | modera: Santiago Arribas

sala 3

11:00
11:30

café

patrocinado por

Plenarias



sala 1

11:30

- Núria Huélamo** Circumstellar disks and planetary systems: the ESO view
- Carme Jordi** The Gaia mission delivers its first data release

13:30

Luisa Lara New Science from Rosetta

13:30

comida

RG3

Reunión de Grupo:
H2020 ORISON

RG4

Reunión de Grupo:
E.O. Virtual Español

sala 4

sala 3

15:30

15:00

Corto

"Arco de choque" cortometraje de Javier Díez

sala 1

Plenaria
SKA

sala 1

modera: Lourdes Verdes-Montenegro

15:30

Philip John Diamond SKA, the Square Kilometer Array

15:55

Lourdes Verdes Montenegro The Spanish participation in the Square Kilometre Array (SKA)

16:20

Diego Herranz (IFCA) Cosmic Dawn, Reionization Epoch and Synergies with CMB radiation

16:35

Ivan Agudo (IAA) Active Galactic Nuclei at Radio Wavelengths

16:50

Miguel Ángel Pérez-Torres (IAA) Supernovae and Nearby Normal and Luminous Infrared

17:05

Guillem Anglada (IAA) Protoplanetary Disks, Jets, and the Birth of the Stars

17:20

café

patrocinado por



quality value solutions

GC

- 17:50 **Mateos, Silvia** Uncovering the most obscured AGN in X-ray and infrared surveys (invitada)
- 18:15 **Becerra González, Josefa** Very-high-energy gamma rays from the Universe's middle age detection of the $z=0.940$ blazar PKS-1441+25 with Fermi-LAT and MAGIC
- 18:30 **Carrera Troyano, Francisco J.** An X-ray and mid-infrared perspective on AGN unification
- 18:45 **Aretxaga, Itziar** CO and Dust at High Redshift
- 19:00 **San Román, Izaskun** Exploring the spatially-resolved local galaxies with multi-filter surveys: A 2-D study of the ALHAMBRA galaxies
- 19:15 **Miranda, Mainer** On the evolution of simulated galaxies: the mass dependence in metallicity gradients
- 19:30 **Santos Santos, Isabel M.** Dust emission in simulated dwarf galaxies using GRASIL3D

sala 1

modera: Rosa María Zapatero Osorio

CP

- 17:50 **García Muñoz, Antonio** Exoplanet atmospheres (invitada)
- 18:15 **Villaver, Eva** The oldest planets
- 18:30 **Suárez Andrés, Lucía** C/O vs. Mg/Si ratios in solar type stars: the HARPS sample
- 18:45 **Rosich Salgado, Alberto J.** Modeling the photosphere of active stars for exoplanet search
- 19:00 **Delgado Mena, Elisa** Li-rich giants with substellar companions, a hint of planet engulfment?
- 19:15 **Gómez González, Juan Luis** Evolución temporal del transporte de componentes minoritarios en atmósferas exoplanetarias: exploración del espacio de parámetros
- 19:30 **Duffard, Rene** Small bodies Near and Far: un proyecto europeo H2020 para estudiar en detalle cuerpos menores

sala 2

modera: Armando Gil de Paz

IS

- 17:50 **López-Aguerri, Alfonso** WEAVE: a new spectrograph for the William Herschel Telescope (invitada)
- 18:15 **Cabrera-Lavers, Antonio** GTC Science Operations and Instrumentation plan
- 18:30 **Carrasco Martínez, Josep Manel** Gaia, an all-sky survey for standard photometry
- 18:45 **Aceituno Castro, Jesús** Operación del observatorio de Calar Alto 2016-2018
- 19:00 **Calcines Rosario, Ariadna** Preliminary optical design of an Active Optics test bench for space applications
- 19:15 **Prieto, Almudena** High angular resolution at GTC: Science capabilities of FRIDA

sala 3

19:45

RG5

Reunión de Grupo: Colaboración ProAm

sala 1

Programa Social

20:15

Excursión
en Barco
por la Ría

Reserva de plazas y pagos en la Secretaría Técnica los días 17, 18 y 19.
Punto de encuentro: Embarcadero de Pío Baroja. Plazas limitadas.

22:15

22:00

Observación
Astronómica
Lugar: Explanada del
Guggenheim

organizado por
Agrupación Astronómica Vizcaína
Bizkaiko Astronomia Elkartea



GC

- 9:00 **Sintes, Alicia** Gravitational waves detected 100 years after Einstein's prediction (invitada)
- 9:25 **Jiménez-Forzeza, Francisco** Gravitational Waves and Black Hole Binary modelling
- 9:40 **Catalán-Torrecilla, Cristina** A comprehensive study of the spatially-resolved SFR in nearby disk galaxies using CALIFA IFS data
- 9:55 **Galbany, Lluís** Supernova environmental studies through Integral Field Spectroscopy
- 10:10 **Diego, José M.** Probing the missing baryons around Virgo with Planck
- 10:25 **Marino, Raffaella Anna** Outer-disk reddening and gas-phase metallicities: The CALIFA connection
- 10:40 **SESIÓN PÓSTERES** | modera: Javier Gorgas

sala 1

VL

- 9:00 **García García, Miriam** Massive stars: evolution, mass loss and feedback (invitada)
- 9:25 **Blanco-Cuaresma, Sergi** How much can we trust high-resolution spectroscopic stellar atmospheric parameters and abundances?
- 9:40 **Holgado Alijo, Gonzalo** Quantitative Spectroscopic Analysis of O stars in the IACOB+OWN project: Massive stars in the Galaxy with the imminent GAIA information
- 9:55 **Alfaro Navarro, Emilio J.** Clumpy Structure in a 4D Phase-Space Volume for the Cluster NGC 2548
- 10:10 **García Hernández, Domingo A.** Detection of second-generation asymptotic giant branch stars in metal-poor globular clusters
- 10:25 **González García, Marta** Looking for phase-space structures in star-forming regions: An MST-based methodology
- 10:40 **SESIÓN PÓSTERES** | modera: Francesca Figueras

sala 2

CP

- 9:00 **Gómez Elvira, Javier** Resultados de las observaciones del instrumento REMS (MSL- Curiosity) en el cráter Gale (invitada)
- 9:25 **Antuñano, Arrate** Dinámica de las Regiones Polares de Saturno
- 9:40 **Cardesin Moineo, Alejandro** No lightning detection in Venus Atmosphere as seen from VIRTIS Venus Express Visible channel
- 9:55 **Chen Chen, Hao** Study of high-altitude clouds and plumes in the Martian atmosphere with VMC-Mars Express
- 10:10 **Luna Molina, Ramón** Pluto's alkanes, as seen from the laboratory
- 10:25 **Ordóñez Etxebarria, Iñaki** Presión y temperatura en el cráter Gale de Marte medidas con el instrumento REMS a bordo de Curiosity durante 1159 soles
- 10:40 **Sanz Requena, José Francisco** Nubes y nieblas en el polo Norte de Saturno (Onda Hexagonal) en base a imágenes Cassini/ISS

sala 3

ED

- 9:00 **López Sánchez, Ángel Rafael** Iniciativas de la comisión Pro-AM (invitada)
- 9:25 **Benítez Herrera, Sandra** "Admira el cielo", la astronomía llega a las escuelas públicas de Rio de Janeiro, Brasil.
- 9:40 **García Santiago, Alfonso** Informatización de un telescopio en enseñanza secundaria
- 9:55 **Martínez García, Vicent J.** Microdocumentales y cortos de ficción para divulgar la astronomía. El canal de YouTube del portal conec.es
- 10:10 **Masana Fresno, Eduard** Gaiaverse: el portal de divulgación de Gaia
- 10:25 **Marco Soler, Enric** Ecos del Cosmos: una astroexperiencia radiofónica en la Universitat de València
- 10:40 **SESIÓN PÓSTERES** | modera: Amelia Ortiz Gil

sala 4

11:00
11:30

café



Plenarias

sala 1

11:30

Mercedes Mollá The evolution of the Oxygen abundance radial gradient and its relation with the star formation and the infall rate histories

Thaisa Storchi Bergmann Feeding and feedback of Supermassive Black Holes in the present day Universe

Javier Cenarro J-PAS and J-PLUS: large sky multi-filter surveys from the Observatorio Astrofísico de Javalambre

13:30

13:30

15:30

comida

RG6

Reunión de Grupo:
sala 3 J-PLUS

RG7

Reunión de Grupo:
sala 5 Ciencias Planetarias

RG8

Reunión de Grupo:
sala 4 Astronomía ultravioleta

Plenaria

sala 1

15:30 **Manuel Collados** EST: El futuro de la física solar en Europa

Manel Martínez The Cherenkov Telescope Array (CTA): a unique opportunity for the Spanish Astrophysics community

Carlos Peña Garay Astroparticles and Cosmology

16:00

RG9

sala 5

Reunión de Grupo: OTELO y LOCKMAN (cerrada)

17:20

café

patrocinado por



modera: Patricia Sánchez-Blázquez

GC

17:50 **Gaztañaga, Enrique** DES and PAU Galaxy Surveys (invitada)

18:15 **Sevilla-Noarbe, Ignacio** The Science Verification public release for the Dark Energy Survey

18:30 **Dannerbauer, Helmut** An Excess of Dusty Starbursts at $z=2.2$

18:45 **Rodríguez-Muñoz, Lucía** Obscured Star Formation within Galaxy Clusters Cores

19:00 **Moreno-Raya, Manuel Emilio** Efecto de las galaxias anfitrionas en las propiedades de las SNe Ia

19:15 **Toribio San Cipriano, Laura** Carbon and Oxygen abundances in Magellanic Clouds: a study on the Abundance Discrepancy Problem and its implication for chemical evolution of galaxies

sala 1

modera: Josep Maria Paredes

VL

17:50 **Bosch-Ramon, Valenti** What powers the high-energy emission in stellar-mass objects? (invitada)

18:15 **Torrejón Vázquez, José Miguel** Revealing different properties between SFXTs and SGXBs: IGR J17544-2619 versus Vela X-1

18:30 **González Hernández, Jonay I.** Fast orbital decays of black hole X-ray binaries: the case of Nova Muscae 1991

18:45 **Armas Padilla, Montserrat** Subluminous accreting black holes and neutron stars

19:00 **Mata Sánchez, Daniel** Swift J1357.2-0933: a massive black hole in the Galactic thick disc

19:15 **Sánchez Aguado, David** The most pristine dwarf star observed with OSIRIS at GTC

19:30 **Rizzo Caminos, J. Ricardo** Primordial abundances of baryonic matter vs. stellar evolution: Detention of $3\text{He}+$ in IC418

sala 2

modera: René Duffard

CP

17:50 **Alemaný Berenguer, Rafael A.** Actualización de las investigaciones sobre la estructura interna de pequeños cuerpos del sistema solar formados mediante procesos de reacumulación gravitatoria

18:05 **Campo Bagatin, Adriano** Asteroid Impact & Deflection Assessment (AIDA): misión ESA-NASA al NEA binario (65803) Didymos

18:20 **de León, Julia** PRIMitive Asteroids Spectroscopic Survey (PRIMASS): First Results

18:35 **Fernández-Valenzuela, Estela** Estudio detallado del Centauro Bienor

18:50 **Licandro, Javier** V-type and Vesta family asteroids in the VISTA - VHS survey (MOVIS)

19:05 **Lillo-Box, Jorge** TROY: a la caza de los primeros exotroyanos

19:20 **SESIÓN PÓSTERES** | modera: Santiago Pérez Hoyos

sala 3

modera: José Luis Ballester

FS

17:50 **Aran, Àngels** Space Weather: current developments in solar energetic particle events research (invitada)

18:15 **Vaquero Martínez, José Manuel** Long-term variation of solar activity: recent progress (invitada)

18:40 **Cid Tortuero, Consuelo** Redefining the Boundaries of Interplanetary Coronal Mass Ejections from Observations at the Ecliptic Plane

18:55 **Calvo Santamaria, Irantzu** High frequency jet-like phenomena in the presence of a null point

19:10 **Sánchez Requerey, Iker** Sumideros convectivos y campos magnéticos en el Sol en calma

19:25 **SESIÓN PÓSTERES** | modera: María Jesús Martínez

sala 4

Programa Social

7:30

Corre, SEA, corre!

colabora



8:30

19:45

Conferencia Pública
Alicia Sintés
"Ondas
gravitacionales"

patrocinado por



20:45

GC

- 9:00 **Cepa, Jordi** Primeros resultados del cartografiado OTELO (invitada)
- 9:25 **Benítez Lozano, Narciso** J-PAS: Status and Scientific potential
- 9:40 **Pintos-Castro, Irene** 9.5 Gyr of evolution of galaxies in clusters
- 9:55 **Ascaso Anglés, Begoña** Cluster selection functions for next-generation surveys
- 10:10 **Rodríguez Espinosa, José Miguel** A rich overdensity at $z=6.5$
- 10:25 **Vidal García, Alba** Ultraviolet-line diagnostics of young stellar populations and the interstellar medium in primeval galaxies
- 10:40 **Torres-Albà, Núria** An X-ray study of the lower-luminosity LIRGs from GOALS

sala 1

modera: Ana I. Gómez de Castro

VL

- 9:00 **Meeus, Gwendolyn** The atomic and molecular content of protoplanetary discs (invitada)
- 9:25 **Velasco, Sergio** LkHa 262/263: the paradigm of multiplicity vs disk fraction in low-mass stellar systems
- 9:40 **Gómez de Castro, Ana I** Photoevaporation of the gas component in the young planetary disks. The impact from disk winds and jets.
- 9:55 **Montesinos Comino, Benjamín** ¿Cuántas estrellas FGK de la vecindad solar tienen un cinturón de Kuiper?
- 10:10 **Masana Fresno, Eduard** Physical parameters of TGAS stars
- 10:25 **Carrasco Martínez, Josep Manel** Gaia science alerts follow-up from Montsec Observatory
- 10:40 **SESIÓN PÓSTERES** | modera: Francesca Figueras

sala 2

modera: Rebeca García López

IS

- 9:00 **Amado, Pedro J.** CARMENES: Commissioning and first scientific results at the telescope. A precursor for HIRES@E-ELT (invitada)
- 9:25 **Luri Carrascoso, Xavier** The Gaia archive: perspectives for the Gaia Data Release 1
- 9:40 **Marín Franch, Antonio** JPCam: Development of a 1.2 Gpixel Camera for the J-PAS Survey
- 9:55 **Eikenberry, Stephen S.** MIRADAS: The Multi-Object R=22K Near-IR Spectropolarimeter for the 10.4-meter GTC
- 10:10 **Portell de Mora, Jordi** Two years of daily Gaia data processing
- 10:25 **Castañeda Pons, Javier** Gaia astrometric instrument calibration and image processing
- 10:40 **SESIÓN PÓSTERES** | modera: Santiago Arribas

sala 3

modera: Eva Villaver

CP

- 9:00 **Martínez Jiménez, Marina** Protoplanetary disk components from the study of the most pristine chondrites
- 9:15 **Fuente, Asunción** Detection of SO towards the transitional disk AB Auriga: the sulfur chemistry in a proto-solar nebula
- 9:30 **Suárez Mascareño, Alejandro** Magnetic Cycles and Rotation Periods of Late Type Stars
- 9:45 **Trigo-Rodríguez, Josep Maria** Carbonaceous chondrites at the nanoscale using UHRTEM: clues on mineral condensation, hydration, and physics at work in the protoplanetary disk
- 10:00 **Moyano Cambero, Carles E.** Physical and spectral properties of the Chelyabinsk ordinary chondrite as support information for future deflection missions to asteroids
- 10:15 **Ortiz, José Luis** ORISON, un estudio de viabilidad sobre instrumentación en la estratosfera con muchas utilidades en la ciencia del sistema solar
- 10:30 **Sánchez de Miguel, Alejandro** Detección de meteoros desde globos estratosféricos de bajo coste con cámaras de alta sensibilidad
- 10:45 **SESIÓN PÓSTERES** | modera: Ricardo Hueso

sala 4

11:00
11:30

café

patrocinado por



Plenarias

sala 1

11:30

- Glenn Orton** The Juno Mission
- Jens Chluba** Science with CMB Spectral Distortions: a New Window to Early-Universe and Particle Physics
- Xavier Barcons** Athena: the ESA's X-Ray observatory to study the Hot and Energetic Universe in the late 2020s

13:30

13:30

comida

RG 10

Reunión de Grupo:
Almuerzo con astrónomas

sala 4

RG 11

Reunión de Grupo:
SHARDS y SHARDS Frontier Fields

sala 3

15:30

GC

- 15:30 **Thöne, Christina** Abundances and kinematics in star forming galaxies probed by GRBs (invitada)
- 15:55 **Castander, Francisco** Euclid and DESI Galaxy Surveys (invitada)
- 16:20 **Bernal Mera, José Luis** Parameter splitting in dark energy: is dark energy the same in the background and in the cosmic structures?
- 16:35 **de Ugarte Postigo, Antonio** X-shooter spectroscopy of GRB afterglows
- 16:50 **García Fernández, Manuel** Cosmic Magnification on the Dark Energy Survey
- 17:05 **Pérez Ràfols, Ignasi** Damped Lyman- α Systems bias: measurement and evolution

sala 1

modera: Hervé Bouy

VL

- 15:30 **Vilchez, José M.** On the chemical composition of the Milky Way outermost disk
- 15:45 **Casamiquela Floriach, Laia** The OCCASO survey: second data release overview
- 16:00 **Rodrigo Blanco, Carlos** VOSA (VO SED Analyzer)
- 16:15 **Solano, Enrique** A search for new hot subdwarf stars by means of Virtual Observatory tools
- 16:30 **Dorda Laforet, Ricardo** Nuevas perspectivas en Supergigantes rojas
- 16:45 **Balaguer-Núñez, Lola** Clusterix 2.0 for Gaia
- 17:00 **Alonso Santiago, Javier** NGC 6067: el mejor laboratorio para el estudio de estrellas de masa intermedia

sala 2

modera: Maite Ceballos

ED

- 15:30 **Armentia Fructuoso, Javier** Una estrella para Cervantes (invitada)
- 15:55 **Ortiz-Gil, Amelia** International Astronomical Union's Astronomy for Equity and Inclusion
- 16:10 **Del Puerto Varela, Carmen** De efeméride en efeméride... proyectos transversales de divulgación del Instituto de Astrofísica de Canarias
- 16:25 **Pérez Montero, Enrique** Astronomía accesible: Acercando el estudio del Universo a los discapacitados visuales
- 16:40 **Rodríguez Antón, Andrea** ¿Orientaciones astronómicas en los asentamientos romanos? Aproximación al urbanismo romano a través de la arqueoastronomía
- 16:55 **Vaquerizo Gallego, Juan Ángel** Observatorios remotos y flipped classrooms, un maridaje astronómico
- 17:10 **Caballero, José A.** unitedsoundsofcosmos

sala 3

modera: Jordi Portell

IS

- 15:30 **Yepes, Gustavo** Simulating the Universe: From the large scales structures to the Local Universe (invitada)
- 15:55 **Khomenko, Elena** Supercomputing in modeling of solar processes (invitada)
- 16:20 **Sabater Montes, Jose** New calibration techniques for low-frequency radio-astronomy data. Facet calibration in the Amazon cloud infrastructure
- 16:35 **Clotet Altarriba, Marcial** Cross-matching algorithm for Gaia
- 16:50 **Garralda, Nora** Treatment of Spurious detections
- 17:05 **SESIÓN PÓSTERES** | modera: Jordi Torra

sala 4

17:20

café

17:50

17:50

Asamblea SEA

19:45

sala 1

Programa Social

20:30

Cena
XII Reunión
Científica
Lugar: Torre Iberdrola
(piso 24)

Es necesario confirmar asistencia en el mostrador de acreditaciones.
Imprescindible acudir a la cena con el DNI o pasaporte.

GC

- 9:00 **García de la Rosa, Ignacio** Inside-out formation of massive galaxies
- 9:15 **Díaz-García, Simón** The stellar mass distribution of S4G disk galaxies and the signatures of bar-induced secular evolution
- 9:30 **Lumbreras-Calle, Alejandro** Search and characterisation of low redshift star-forming galaxies in SHARDS
- 9:45 **Hernández García, Lorena** Unveiling the physics of AGN through X-Ray variability
- 10:00 **Aragón Salamanca, Alfonso** The formation and evolution of the Brightest Cluster Galaxies
- 10:15 **Roca-Fàbrega, Santi** Garrotxa simulations: Hot gas distribution around Milky Way size galaxies at $z=0$
- 10:30 **Arnalte-Mur, Pablo** Constraints on galaxy bias and σ_8 through the PDF of the galaxy number density
- 10:45 **Sánchez-Blázquez, Patricia** The temporal evolution of the metallicity gradient from unresolved studies of stellar populations

sala 1

modera: Rayner Schoedel

VL

- 9:00 **Muñoz-Darias, Teo** Accretion/ejection coupling in stellar-mass black holes: the case of V404 Cyg
- 9:15 **Aller Egea, Alba** Searching for binary central stars of planetary nebulae
- 9:30 **Guerrero, Martín A.** Revealing the Location of the Mixing Layer in a Hot Bubble
- 9:45 **Madonna, Simone** Neutron-capture element abundances in the planetary nebula NGC 5315 from deep high-resolution optical and near-IR spectrophotometry
- 10:00 **Colomer, Francisco** Studies of circumstellar shells in AGB stars by multifrequency (sub)mm-VLBI observations of maser emission
- 10:15 **Sánchez Contreras, Carmen** A pilot search for mm-wavelength recombination lines from emerging ionized winds in pre-Planetary Nebulae
- 10:30 **Manchado, Arturo** Multi-Conjugate Adaptive Optics images of the molecular hydrogen in the planetary nebula NGC 2346
- 10:45 **Pereira Blanco, Víctor** Modeling nonthermal emission from stellar bow shocks

sala 2

modera: Ariadna Calcines

IS

- 9:00 **Castro-Tirado, Alberto J.** La Red Global de Telescopios Robóticos BOOTES
- 9:15 **Geier, Stefan** CIRCE: The NIR instrument of GTC
- 9:30 **Marcos-Arenal, Pablo** Performing simulations for the WSO-UV Spectrographs'
- 9:45 **López Martí, Belén** ESA-Sky: The whole of space Astronomy at your fingertips
- 10:00 **Velasco, Sergio** Completing the puzzle: AOLI full-commissioning fresh results and AIV innovations
- 10:15 **Sánchez de Miguel, Alejandro** ¿Están protegidos de manera efectiva los observatorios de primera clase frente a la Contaminación lumínica?
- 10:30 **Manjavacas, Elena** Observation tools for EMIR
- 10:45 **Perea Abarca, Gracia Belén** UVESP: Ultraviolet Visible Echellé SpectroPolarimeter for stellar astrophysics

sala 3

modera: Elena Khomenko

FS

- 9:00 **Cubas Armas, Melania** Abundancia de oxígeno en la fotosfera a partir de un modelo 3D empírico
- 9:15 **Díaz Baso, Carlos José** Campo magnético en un filamento de región activa
- 9:30 **González Hernández, Jonay I.** The solar gravitational redshift measured with the laser frequency comb in HARPS
- 9:45 **Luna, Manuel** Solar tornadoes: a myth or reality?
- 10:00 **Orozco Suárez, David** Observation of a chromospheric jet in the He 1083 nm multiplet
- 10:15 **Pastor Yabar, Adur** Topología magnética de una región del polo norte del Sol
- 10:30 **Martínez Gómez, David** Alfvén waves in multi-ion plasmas
- 10:45 **Nóbrega-Siverio, Daniel** The cool surge following flux emergence in a radiation-MHD experiment

sala 4

11:00

café

11:30

11:30 **Ana Nicuesa** GRBs afterglows

Jens Hjorth The GRBs, a review

La ciencia y la persona de Javier Gorosabel

Antxon Alberdi, Miguel Mas Hesse, Alberto Castro-Tirado, Benjamín Montesinos, Antonio de Ugarte, Rubén Sánchez, Agustín Sánchez Lavega

Fin del acto a cargo de J. Gorgas (presidente SEA) y J. Vilchez (director IAA)

13:30

13:30

comida

15:30

| modera: Mercedes Mollá

GC

15:30 **Sánchez Ramírez, Rubén** Cosmic Lighthouses at High-z: Absorption systems towards QSO and GRB lines of sight as cosmological probes up to the reionisation epoch

15:45 **Arrabal Haro, Pablo** Searching for Lyman alpha sources in the ESO/GTC SHARDS survey

16:00 **Gurung López, Siddhartha** What shapes the abundance and clustering evolution of Lyman-alpha emitters?

16:15 **Márquez Pérez, Isabel** Star formation and AGN activity in the most luminous LINERs in the local universe

sala 1

16:30 **Piqueras López, Javier** Understanding the cumplpy star-formation in local (U)LIRGs: A near-IR IFS perspective

| modera: Francesca Figueras

VL

15:30 **Ayala Gómez, Adrián** Astroparticles and stellar evolution

15:45 **Moreno de la Cita, Víctor** Contribution due to clumpy winds to the gamma-ray emission in microquasar jets

16:00 **Rodríguez Berlanas, Sara** Early-type massive stars in Carina Nebula within Gaia-ESO Survey

16:15 **R. García, Jezabel** Pulsars with MAGIC

16:30 **Pascual-Granado, Javier** The impact of prewhitening in the characterization of pulsating stars observed by space missions

16:45 **Ramos Medina, Jesús** Gas molecular caliente en estrellas evolucionadas de tipo solar en el catálogo THROES

sala 2

17:00 **Pérez-Mesa, Víctor** The Rb problem in massive AGB stars

Programa Social

19:00

Conferencia Pública
Javier Gorgas
"Estrella Cervantes y
sus exoplanetas"
Lugar: Biblioteca
Bidebarrieta

patrocinado por



20:00

Relación de Pósteres

GC	NOMBRE	TÍTULO
GC1	Agís González, Beatriz	Spectropolarimetric confirmation of the changing type Seyfert galaxy ESO362-G018
GC2	Bongiovanni, Ángel	The very high redshift component of the OTELO survey
GC3	Buitrago Alonso, Fernando	The outskirts of massive early-type galaxies at $z \approx 0.65$ in the Hubble Ultra Deep Field
GC4	Cerviño, Miguel	About SFR inferences
GC5	Duarte Puertas, Salvador	The SFR-Mass-Metallicity relation of galaxies free from aperture effects: the empirical correction from the CALIFA survey
GC6	Ederoclte, Alessandro	M31 @ Observatorio Astrofísico de Javalambre
GC7	García González, Judit	Selecting Seyfert galaxies with nuclear AGN-dominated far-infrared emission
GC8	Gómez Velarde, Gabriel	A new catalogue of Magellanic Cloud clusters with precise stellar population parameters.
GC9	Herrero-Illana, Rubén	The gas-to-dust ratio and molecular gas properties of (U)LIRGs
GC10	Iglesias Groth, Susana	Characterisation of candidate ultra-bright sub-mm galaxies selected from VHS/WISE
GC11	Jones, Michael	The environmental dependence of the HI mass function in the ALFALFA 70%
GC12	Knapen, Johan	The nuclear ring in NGC 7742 seen with MUSE
GC13	Logroño García, Rafael	Identifying and extracting HII regions from nearby galaxies with J-PLUS
GC14	López San Juan, Carlos	The ALHAMBRA survey: B-band luminosity function of red and blue galaxies at $z < 1$ from PDF analysis
GC15	Margalef Bentabol, Berta	The Formation of Bulges, Discs and Two Component Galaxies in the CANDELS Survey at $z < 3$
GC16	Marino, Raffaella Anna	Hunting for the dark phases of galaxy formation with MUSE
GC17	Martínez Lombilla, Cristina	Thick disk properties from ultra-deep Stripe82 imaging
GC18	Nadolny, Jakub	Morphological analysis of OTELO survey galaxies
GC19	Ordovás Pascual, Ignacio	On the relation between X-ray absorption and optical extinction in AGN
GC20	Oteo Gómez, Iván	Witnessing the birth of the red sequence
GC21	Pascual-Granado, Javier	A reliable interpolation method for CMB images
GC22	Peralta de Arriba, Luis	A novel technique to characterize the merging channel of the galaxies
GC23	Ramírez Olivencia, Naim	The radio luminosity function of supernova remnants in local galaxies
GC24	Ramón Pérez, Marina	Emitting objects in OTELO survey: AGN analysis
GC25	Rodríguez-Muñoz, Lucía	Physical Properties and SFHs of Low-Mass Forming Galaxies at Intermediate Redshifts
GC26	Romero-Gomez, Merce	Connecting interacting galaxies with manifolds
GC27	Sabater Montes, Jose	ELAIS-N1
GC28	Sánchez Portal, Miguel	Dust properties of nearby AGN and normal hosts from Herschel FIR photometry
GC29	Sánchez Ramírez, Rubén	GRB110715A: Challenging the forward shock afterglow theory with the first burst observed with ALMA
GC30	Sanfrutos, Mario	Towards a new model of AGN: hints of an ionized outflowing clumpy torus
GC31	Tello Salas, Juan Carlos	GRB 120326A: Panchromatic observations of a FRED Burst with a late rebrightening
GC32	Urbano Mayorgas, Juan José	The structural properties of the host galaxies of luminous type 2 active galactic nuclei at $z \approx 0.3$.
GC33	Urdampilleta, Igone	X-ray study of the double radio relic merger cluster Abell 3376 with Suzaku
GC34	Vazquez Ramió, Hector	M33 @ Observatorio Astrofísico de Javalambre
GC35	Vega García, Laura	Plasma instability in the relativistic flow of 0836+710
GC36	Vidal García, Alba	Spectral signatures of the star-forming galaxies at the epoch of reionization
GC37	Vilella-Rojo, Gonzalo	Measuring H α fluxes of nearby galaxies with J-PLUS photometric data
GC38	Vives-Arias, Héctor	Estimating the size and abundance of dark matter subhaloes with gravitational milli-lensing

CP	NOMBRE	TÍTULO
CP1	Campo Bagatin, Adriano	The "dusty" environment around asteroid (65803) Didymos, the target of the AIDA mission
CP2	Cardesin Moineo, Alejandro	Science Opportunity Analysis for the Jupiter Icy Moons Explorer (JUICE)
CP3	De Val-Borro, Miguel	CN observations of comet 67P/Churyumov-Gerasimenko
CP4	Gisbert Perez, Georgina	Obtención de la energía de desorción del hielo de CH ₃ OH y estudio de su factor preexponencial
CP5	Hueso Alonso, Ricardo	Observaciones de Urano y Neptuno en telescopios españoles: Calar Alto/PlanetCam, WHT/Ingrid y GTC/Osiris
CP6	Lampón González-Albo, Manuel	Un paso más allá: modelado de atmósferas exoplanetarias
CP7	López Fernandez-Nespral, David	Mass determination of K2-19b and K2-19c from radial velocities and transit timing variations
CP8	López Puertas, Manuel	A possible water ice cloud in Jupiter's stratosphere
CP9	Morate Gonzalez, David	The Sulamitis collisional family: primitive hydration
CP10	Sánchez López, Alejandro	Simulations of transit spectra of Hot Jupiters in the infrared branch of CARMENES (1-1.7 μ m)
CP11	Sánchez-Lavega, Agustín	Análisis del jet ecuatorial de Saturno a partir de una tormenta persistente y de rápido movimiento observada desde Tierra y con el HST en 2015
CP12	Santos Sanz, Pablo	Buscando material alrededor del asteroide activado 596 Scheila a partir de ocultaciones estelares
CP13	Vázquez-Martin, Sandra	Middle atmosphere OH NLTE model and spectroscopy sensitivity study
CP14	Zamora Arenal, Sandra	Cheliabinsk and other February superfireballs

VL	NOMBRE	TÍTULO
VL1	Alonso Martínez, Miguel	A new near infrared classification of pre main sequence stars
VL2	Alonso Martínez, Miguel	Unraveling the contribution of jets and discs to far-infrared line emission
VL3	Anders, Friedrich	The evolution of the Milky Way's radial abundance gradients
VL4	Azulay Romero, Rebecca	Binary Stars in the AB Doradus Moving Group
VL5	Balaguer-Núñez,Lola	Detailed studies of three open clusters from Gaia ESO Survey (GES)
VL6	Beitia Antero, Leire	Catalogue of UV sources in the Galaxy
VL7	Blanco-Cuaresma, Sergi	Cepheids: Determination of atmospheric parameters as a function of phase with iSpec
VL8	Caballero, Jose A.	Carmencita, the CARMENES Cool dwarf Information and daTa Archive
VL9	Costado Dios, M. Teresa	Survey of Young Stellar Clusters in the North Hemisphere
VL10	Costado Dios, M. Teresa	Preliminary study of the kinematic structure in the association Cygnus OB1
VL11	Díaz-Luis, José Jairo	Fullerenes and fullerene-related molecules in the circumstellar environment of evolved stars
VL12	Diez Alonso, Enrique	Determinación de periodos de rotación de estrellas M con técnicas fotométricas
VL13	Figueras, Francesca	The Spanish Network for Gaia Science Exploitation
VL14	Galindo-Guil, Francisco José	Reveal the population of ASCC20
VL15	Geier, Stefan	The Luminous Red Nova M31N 2015-01a
VL16	Gómez Garrido, Miguel	Membership, lithium and chromospheric activity of the young open clusters IC 2391, IC 2602 and IC 4665 from GES (Gaia-ESO Survey) observations
VL17	Guerrero, Martin A.	Multi-wavelength Studies of Wolf-Rayet Bubbles
VL18	Gutiérrez Albarrán, Marta Luthien	Calibrating the lithium-age relation with open clusters observed with GES (Gaia-ESO Survey).
VL19	Jiménez-Ibarra, Felipe	GTC-10.4m/OSIRIS spectroscopy of Aquila X-1
VL20	Jordi, Carme	The intermediate and old age Open Clusters science case for high-resolution spectroscopy
VL21	Linares, Manuel	Compact Binary Millisecond Pulsars: A Panchromatic View of a Growing Neutron Star Population
VL22	Maíz Apellániz, Jesús	The Galactic O-Star Spectroscopic Survey (GOSSS): current status
VL23	Maíz Apellániz, Jesús	Progress towards a universal family of UV-IR extinction laws
VL24	Marcote, Benito	The origin of the Fast Radio Bursts, a still open question
VL25	Martí, Josep Maria	An AGN or a Be star as possible counterparts of 3FGL J0133.3+5930
VL26	Miret, Núria	A setup for Gaia-DR1: The star formation history of our thin disc environment
VL27	Montes Gutierrez, David	Characterizing the CARMENES input catalogue of M dwarfs with low-resolution spectroscopy: spectral types, chromospheric activity and metallicity
VL28	Montes Gutierrez, David	CARMENES input catalogue of M dwarfs: Looking for close and wide companions
VL29	Negueruela Diez, Ignacio	Un cúmulo joven masivo en el brazo de perseo
VL30	Ocando, Sandra	Stellar pulsation and rotation in NGC 6811
VL31	Ocando, Sandra	Ground-based multicolour photometry of NGC 6811
VL32	Pallé, Pere L.	Determinación precisa de los parámetros orbitales del sistema binario espectroscópico etaBoo
VL33	Rizzo Caminos, J. Ricardo	Detection and study of circumstellar envelopes in extremely young planetary nebulae
VL34	Schoedel, Rainer	GALACTICNUCLEUS - a high-angular resolution, near-infrared study of the Galactic centre
VL35	Talavera Iniesta, Antonio	Estudio ultravioleta de la Nebulosa del Cangrejo
VL36	Vazquez Ramió, Hector	Variability in the Galactic globular cluster M15

FS	NOMBRE	TÍTULO
FS1	Carbonell Huguet, Marc	Alfven Waves in a partially ionized two-fluid plasma
FS2	Moreno Inersit, Fernando	Small-scale magnetic flux emergence in the quiet Sun: 3D radiation-magnetohydrodynamics modelling
FS3	Pacheco Mateo, Daniel	Analysis of the fluence of large solar energetic particle events in the period 2010-2013

IS	NOMBRE	TÍTULO
IS1	Armengot, Marcelo	UV+IR mosaicking for study the extinction+emission of gas and dust clouds
IS2	Bergond, Gilles	The Calar Alto observatory
IS3	Cardiel López, Nicolás	Improving the automatic wavelength calibration of EMIR spectroscopic data
IS4	Ceballos, M.T.	SIRENA: algorithms for energy reconstruction Athena X-IFU detector
IS5	Julbe Lopez, Francesc	Data mining and data analytics with the Gaia archive
IS6	Luzarraga, Javier	Criogenia y vacío para la investigación astronómica
IS7	Marcos-Arenal, Pablo	WSO-UV Spectrographs' Simulations
IS8	Martínez-Núñez, Sílvia	The Athena Community Office (ACO)
IS9	Perea Abarca, Gracia Belén	UVESP: ULTRAVIOLET VISIBLE ECHELLÉ SPECTROPOLARIMETER FOR STELLAR ASTROPHYSICS
IS10	Reverte Payá, Daniel	Correcting the non-linearity of the 2MASS Atlas Images photometry
IS11	Rodón Ortiz, José Ramón	Interfaz gráficas de usuario para software astrofísico
IS12	Urdampilleta, Igone	SPEX (Plasma Code & Spectral Fitting Tool). Collisional ionization for atoms and ions of H to Zn
IS13	Velasco, Sergio	EMCCD calibration for astronomical imaging
IS14	Velasco, Sergio	Snorkelling between the stars: submarine methods for astronomical observations

ED	NOMBRE	TÍTULO
ED1	Benitez Herrera, Sandra	El proyecto GalileoMobile: compartiendo astronomía con estudiantes y profesores de todo el mundo
ED2	Calero Hernández, Laura	Estrellas entre viñedos: maridaje de vino, música y astronomía
ED3	Calero Hernández, Laura	Moda Cósmica
ED4	Marco Soler, Enric	Primeros resultados de la variación espacial y temporal del brillo de cielo nocturno del entorno de Valencia
ED5	Pallé, Pere L.	Espacio auditivo virtual: un recurso educativo para alumnos con discapacidad visual
ED6	Ribas, S.J.	Assumpció Català, el primer telescopio español en femenino

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Hao Chen Chen
José Francisco Sanz-Requena



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Universidad
del País Vasco

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Zientzia Planetarioen Taldea