

IX Día de Nuestra Ciencia

Orfeón La Paz, La Laguna, May 26th, 2017

Final Programme

SESSION 1: Chair: *Salvatore*

| | | |
|-------------|---------------------------------------|---|
| 9:00-9:10 | Rafael Rebolo | Welcome address |
| 9:10-9:20 | Clara Eugenia García | MINECO |
| 9:20-9:30 | Enric Pallé | Research Division |
| 9:30-9:35 | Ignacio Trujillo (S - Staff) | Hunting in the Darkness |
| 9:35-9:40 | Andrés Asensio Ramos (S) | Deep Learning in Astrophysics |
| 9:40-9:45 | Ramón García López (S) | The extreme gamma-ray Universe with CTA |
| 9:45-9:50 | Flavia Dell'Agli (P - Postdoc) | Asymptotic Giant Branch stars: gas and dust polluters of the Universe |
| 9:50-9:55 | Julia de León (P) | Mapping primitive material in the asteroid belt: the PRIMASS survey |
| 09:55-10:00 | Open discussion | |

SESSION 2: Chair: *Helmut*

| | | |
|-------------|---|---|
| 10:00-10:05 | Alexandre Vazdekis (S) | The UV side of massive elliptical galaxies: per mil levels contributions from young components |
| 10:05-10:10 | María Montes Solís (D - PhD student) | Bayesian analysis of the solar corona |
| 10:10-10:15 | Francisco-Shu Kitaura (P) | BAREMBAO: the Sound of the Universe and the Dance of the Galaxies |
| 10:15-10:20 | Tomás Ruiz-Lara (P) | Resolving the unresolved: A comparison study between integrated and resolved stellar populations analysis |
| 10:20-10:25 | Víctor Sánchez Béjar (S) | CARMENES: A radial-velocity search for Earth-like planets around M stars |
| 10:25-10:30 | Nuria Salvador (D) | Galaxies simple stellar populations with J-PLUS |
| 10:30-10:35 | Anselmo Sosa Méndez (OTRI) | Grants, Institutional Projects and Technology Transfer Office |
| 10:35-10:40 | Gaia Vanzo (D) | The MAGIC of EBL |
| 10:40-10:45 | Cristina Martínez Lombilla (D) | Where do galaxy disks end? |
| 10:45-10:50 | Hannu Parviainen (P) | GTC transmission spectroscopy of WASP-80b |
| 10:50-11:00 | Open discussion | |

11:00-11:30

Coffee Break

SESSION 3: Chair: *Salvatore*

| | | |
|-------------|---------------------------------------|---|
| 11:30-11:35 | Javier Román García (D) | Low surface brightness universe with the IAC Stripe82 legacy survey |
| 11:35-11:40 | Nayra Rodríguez Eugenio (UC3) | Robots looking at the sky |
| 11:40-11:45 | Antonio Ferragamo (D) | How to obtain a bias-corrected galaxy clusters velocity dispersion |
| 11:45-11:50 | Thomas Masseron (P) | Molecular carbon, stellar nucleosynthesis and Galactic populations |
| 11:50-11:55 | Enric Pallé (for Roi Alonso) | Open time for the community in the CHEOPS mission |
| 11:55-12:00 | José M. Rodríguez Espinosa (S) | Unresolved binary AGN discovered through spectroscopy in Mrk 622 |
| 12:00-12:05 | Beatriz Ruiz Granados (P) | Magnetic fields and CMB |
| 12:05-12:10 | Edoardo Lagioia (P) | The RGB Bumps of multiple stellar populations |
| 12:10-12:15 | Francesca Pinna (D) | How did thick disks appear in spiral galaxies? |
| 12:15-12:20 | Frédéric Poidevin (P) | Anomalous Microwave Emission Characterisation in the Taurus Molecular Cloud Complex |
| 12:20-12:30 | Open discussion | |

SESSION 4: Chair: *Helmut*

| | | |
|-------------|--|--|
| 12:30-12:35 | Felipe Jiménez Ibarra (D) | Bowen Blend Emission as a Tracer of the Accretion Disc Thickness in X-Ray Binaries |
| 12:35-12:40 | Jakub Nadolny (D) | Morphological analysis of OTELO survey galaxies |
| 12:40-12:45 | Marcos Pellejero (D) | Holy Grail of neutrino cosmology physics |
| 12:45-12:50 | Alicia López Oramas (P) | VHE gamma-ray binaries |
| 12:50-12:55 | Lara Monteagudo Narvi3n (D) | On the formation of the LMC bar |
| 12:55-13:00 | Javier Herrera Llorente (MAGIC) | PSR J2032+4127: A binary candidate |
| 13:00-13:05 | Marco G3mez Mu3noz (D) | Spectral energy distribution of planetary nebulae detected by GALEX |
| 13:05-13:10 | Ana Monreal Ibero (P) | The Wolf-Rayet star population in the dwarf galaxy NGC 625 |
| 13:10-13:15 | Denis Tramonte (D) | The conditional mass function of dark matter halos |
| 13:15-13:20 | C3sar Esteban (S) | Does the oxygen gradient flatten at the anticentre of the Galaxy? The final answer |
| 13:20-13:30 | Open discussion | |

13:30-14:15

**Break, drinks
and snacks**

SESSION 5: Chair: *Pepa*

| | | |
|-------------|---------------------------------------|--|
| 14:15-14:20 | John Beckman (S) | 7 Determinaciones del Radio de Corrotación de la Barra de NGC3433 |
| 14:20-14:25 | Lee Patrick (P) | The different faces of Massive Stars and where to find them |
| 14:25-14:30 | Peter Pessev (GTC) | Luminous Red Novae - GTC observations and future prospects |
| 14:30-14:35 | Rafael Barrena (P) | Optical follow-up of Planck SZ sources from Canary Island observatories |
| 14:35-14:40 | Nikolay Britavskiy (P) | Massive stars in the Local Universe |
| 14:40-14:45 | Johan Knapen (S) | SUNDIAL: a new European network combining astronomy and computer science |
| 14:45-14:50 | Pablo Redondo Caicoya (IACTec) | Presenting IACTEC: 9 human-sized bodies found in the habitable zone around IAC main building |
| 14:50-14:55 | Amanda Del Olmo García (D) | XMP Galaxies and Stellar Feedback |
| 14:55-15:00 | Carlos Allende Prieto (S) | Libraries of model stellar spectral |
| 15:00-15:10 | Open discussion | |

15:10-16:00

Brindis and awards