

VI Meeting on Science with GTC. Valencia, Spain. 12 - 14 December 2018.

	Wednesday, 12 Dec 2018	Thursday, 13 Dec 2018	Friday, 14 Dec 2018
Chair	Rafael Rebolo	Ismael Pérez Fournón	Rafael Guzmán
9:00			Charlie Telesco: Mapping the Galactic Center Magnetic Field with CanariCam (Invited)
9:20	Welcome + special presentation: The Birth and Early years of the GTC - Francisco Sánchez	Pierre Ferruit: Synergies with the JWST (Invited)	Rebeca Galera-Rosillo: The PNLF bright cut-off: a ~40 years problem ready to be solved?
9:40		Marc Balcells: EMIR-MOS at high redshift: first data	Felipe Murgas: Clouds, hazes, and alkali metals in exoplanet atmospheres from the view of GTC
10:00	Romano Corradi: Present and future of the GTC (Invited)	Teo Muñoz-Darias: Spectroscopic follow-up of transient X-ray binaries with the GTC	Martin A. Guerrero: GTC OSIRIS and the peculiar physics of the born-again planetary nebula HuBi 1
10:20	Itziar Aretxaga: The Properties of the dusty inner regions of nearby QSOs	Manuel Ángel Pérez Torres: The demographics of stellar black holes	Carlos del Burgo: Looking for Earth-size planets around very-low-mass dwarfs using GTC light curves
10:40	Stefan Geier: Searching for dust-reddened QSOs and metal-rich DLAs with GTC	Sergey Zharikov: Observations of PSR B0656+14 with the Gran Telescopio Canarias	Jesús Corral-Santana: Long-term study of MAXI J1659-152: the black hole with the shortest orbital period
11:00	Coffee break	Coffee break	Coffee break
Chair	Itziar Aretxaga	Juan Fabregat	Vicki Sarajedini
11:30	Krittapas Chanchaiworawit: Protocluster of LAEs at z=6.5: GTC/OSIRIS' Photometry & Spectroscopy	Javier Licandro (on behalf of Fernando Moreno): Observations of Active Asteroids with GTC (Invited)	Nicolas Lodieu: Low-metallicity stars and brown dwarfs (Invited)
11:50	José Miguel Rodríguez Espinosa: An ionised bubble at z=6.5	Aida Kirichenko: Optical studies of millisecond pulsar binary systems with the GTC	Jonay I. González Hernández: Pushing down the metallicity limit with GTC: discovery of the two most iron-poor dwarf stars known in the Galactic halo
12:10	Rafael Barrena: Optical follow-up of Planck SZ sources and Msz-Mdyn relations	John Beckman: Optical Radioastronomy: Velocity Fields of Galaxies in Ionized Gas	Divakara Mayya: Detection of individual massive stars in M81 using GTC/OSIRIS spectroscopy
12:30	Jorge Sánchez Almeida: GTC based quest for the gas that feeds star formation in primitive galaxies	Christina Thöne: Explosive transients at the GTC	Javier Licandro: GTC observations of C/2018 F4: a comet with an extrasolar origin?
12:50	Enrica Bellocchi: Characterization of ionized outflows in optically obscured quasars (QSO2) at z~0.4	Angel Bongiovanni: The OTELO survey	Simone Madonna: Neutron-capture element emission lines in planetary nebulae from EMIR spectra
13:10	Pablo Pérez González: SHARDS and SHARDS-FF: Understanding the formation of massive galaxies with GTC	Ana M. Pérez García: The OTELO survey: AGN demography and the faint-end of the Halpa luminosity function at z=0.4.	Stephen S. Eikenberry (on behalf of Yigit Dallilar): A close look to jet activity in V404 Cygni (Invited)
13:30	Poster presentation	Poster presentation	Poster presentation
13:45	LUNCH	LUNCH	LUNCH
Chair	Javier Licandro		Romano Corradi
15:30	Omaira González: At the edge of the knowledge of AGN tori with GTC (Invited)		A. Cabrera Lavers: GTC Science operations status (Invited)
15:50	Daniel Rosa González: On the distance and environment of BL Lac objects obtained with GTC and Gemini	Splinter 1. Collaborative GTC and LMT projects. H. Dannerbauer. (1.5 h)	Vik Dhillon: HIPERCAM on the GTC
16:10	Armando Gil de Paz: First science with MEGARA.	Splinter 2. CanariCam Back on the GTC! C. Telesco. (1.5 h)	E. Solano: The GTC archive (Invited)
16:30	África Castillo Morales: MEGARA commissioning observations of UGC10205: Multiple neutral and ionized-gas kinematic components in the nuclear region of a nearby spiral	Splinter 3. EMIR + MEGARA data reduction process. F. Garzón + A. Gil de Paz. (1.5 h)	GTC new instrumentation 2025: presentations and discussion
16:50	Sara Cazzoli: NGC7469 as seen by MEGARA: results from commissioning		
17:10	Coffee break	Coffee break	Coffee break
Chair	Martín A. Guerrero		Antonio Cabrera Lavers
17:40	Helmut Dannerbauer: An extremely molecular gas rich, lensed submillimeter galaxy at z=2.04		V. J. S. Béjar: The GTC Adaptive Optics system and science with the Laser Guide Star System (Invited)
18:00	Antonio Hernán Caballero: GTC discovers a dwarf galaxy at the epoch of reionization	Splinter 3 (continuation). EMIR + MEGARA data reduction process. F. Garzón + A. Gil de Paz. (1.5 h)	A. Watson: FRIDA: diffraction-limited imaging and integral-field spectroscopy for the GTC (Invited)
18:20	M. R. Zapatero Osorio: Spectroscopic properties of young ultra-cool dwarfs	Splinter 4. OTELO survey. J. Cepa. (1.5 h)	S. Eikenberry: MIRADAS for the GTC (Invited)
18:40	Peter Pessev: GTC's view on the colliding stellar wind binary WR147		Kai Zhang: An ultra-stable high resolution spectrograph for the GTC (Invited)
19:00	END of day		END of day
19:10		Public presentation (in Spanish). Rafael Rebolo. Title: Del Big Bang a los exoplanetas. Descubrir el universo con los telescopios del futuro.	