

Vth Science with GTC Meeting

Programme

Wednesday 2/12/15

8.45-9.00 Welcome pannel

9.00-9.30 Guo Chen (IAC) Characterizing the atmospheres of transiting exoplanets with the GTC”

9.30-9.45 David Morate (IAC) Compositional study of asteroids in the Erigone primitive family using visible spectroscopy at the 10.4m GTC”

9.45-10.15 Jonay González-Hernández (IAC) “Probing fast orbital decays in black hole X-ray binaries with GTC”

10.15-10.30 Dallilar Yigit (U. Florida) “Fast IR photometry of V404 Cyg in outburst with CIRCE/GTC”

10.30-10.45 Teo Muñoz-Darías (IAC) “Accretion/ejection coupling in stellarmass black holes: the case of V404 Cyg”

10.45-11.00 Daniel Mata Sánchez (IAC) “Swift J1357.2-0933: a massive black hole in the galactic thick disc”

11.00-11.20 Coffee break

11.20-11.35 Alan Garner (U. Florida) “Identifying X-ray Binaries in the Galactic Center”

11.35-12.05 Juan Downes (IA-UNAM and CIDA, Mérida) “Ongoing work with GTC on the substellar population of the 25 Orionis group”

12.05-12.20 Nicolás Lodieu (IAC) “Optical spectroscopy of the coolest known brown dwarfs, the Y dwarfs”

12.20-12.35 Carlos Román-Zúñiga (IA-UNAM) “Evolution of Young Stars in Cygnus-X DR15”

12.35-12.50 Víctor Sánchez-Béjar (IAC) “Mid-IR search and characterization of substellar companions with CanariCam”

12.50-13.20 Romano Corradi (on behalf of Miguel Santander-García - OAN) “A true type Ia SN progenitor: a close double degenerate binary with super-Chandrasekhar mass in the core of a planetary nebula”

13.20-14.50 Lunch

14.50-15.05 Jorge García-Rojas (IAC) “Imaging the elusive H-poor gas in high ADF planetary nebulae with GTC”

15.05-15.20 Miriam Peña (IA-UNAM) “New analysis of the PNe in NGC 6822”

15.20-15.50 Nancy Elías-Rosa (INAF-Padova) “Late time observations of peculiar transients at 8-10m class telescopes”

15.50-16.05 Christina Thöne (IAA) “An LBV gone SN in the SN factory NGC2770?”

16.05-16.20 Peter Pessev (IAC) “A new member of a rare transient family revealed by the GTC”

16.20-16.35 Antonio de Ugarte Postigo (IAA) “Gamma-Ray bursts with GTC”

16.35-17.05 Sergey Zharikov (IA-UNAM) “Observations of Pulsars with GTC/OSIRIS”

17.05-17.25 Coffee break

17.25-17.55 Divakara Mayya (INAOE) “Spectroscopic ages of Stellar Cluster populations in M81”

17.55-18.10 Mauricio Gómez-González (INAOE) “Detection and Characterization of Wolf-Rayet stars in M81 with GTC/OSIRIS spectra and HST images”

18.10-18.25 Miriam García (CSIC-INTA) “Local Group massive stars”

18.25-18.40 Inés Camacho (IAC) “GTC-OSIRIS observations at the lowest Local Group metallicity”

18.40-18.55 Laura Toribio San Cipriano (IAC) “The distribution of Carbon and Oxygen across the disk of M33”

18.55-19.10 Karla Arellano Córdova (INAOE) “How robust are abundance determinations in H II regions? M81 as a case study”

Thursday 3/12/15

9.00-9.30 Christopher Wright (UNSW Canberra) “Mid-IR polarimetry with Canari-Cam: Magnetic fields and dust properties”

9.30-9.45 Eric Pantin (U. Florida) “A newly discovered edge-on disk in Orion-A”

9.45-10.00 Dan Li (U. Florida) “Polarization Tomography with Mid-IR Imaging Polarimetry”

10.00-10.15 Han Zhang (U. Florida) “Mid-IR polarization of a Herbig Ae star WL 16 and the reflection nebula in MWC 1080”

10.15-10.45 Alfonso Aragón Salamanca (U. Nottingham) OMEGA - OSIRIS mapping of emission line galaxies in A901/2”

10.45-11.15 Omaira González (CRYA) “Low-luminosity AGN with GTC”

11.15-11.35 Coffee break

11.35-12.05 Silvia Mateos (Inst. Física Cantabria) “The X-ray and infrared view of the obscured accretion phenomenon”

12.05-12.20 Ismael García Bermete (IAC) “The nuclear and extended infrared emission of the Seyfert galaxy NGC 2992 and the interacting system Arp 245”

12.20-12.50 Takamitsu Miyaji (IA-UNAM) “GTC spectroscopy of AGN in the AKARI NEP DEEP FIELD”

12.50-13.05 Nelli Cárdenas Martínez (ESFM IPN) “Star formation processes in perturbed galaxies”

13.05-13.20 Mariela Martínez (INAOE) “Modelling the nuclear IR Spectral Energy Distribution of a Nearby and High Luminosity AGN”

13.20-14.50 Lunch

14.50-15.20 Miguel Sánchez-Portal (ESAC/ESA ISDEFE) “The GaLaxy Cluster Evolution Survey (GLACE): overview and present status”

15.20-15.50 Pablo Pérez-González (UCM) “SHARDS, the Legacy Cosmological Survey with GTC”

15.50-16.20 Itziar Aretxaga (INAOE) “High redshift star-forming galaxies: Frontier Fields”

16.20-16.50 Ismael Pérez Fournón (IAC) “Herschel-selected high redshift galaxies”

16.50-17.10 Coffee Break

17.10-17.40 José Miguel Rodríguez Espinosa (IAC) “GTC observations of the high-z Universe”

17.40-17.55 Krittapas Chanchaiworawit (U. Florida) “GTC observations of Lyman-Alpha Emitters at $z=6.5$: A Search for a Highest Redshift Proto-Cluster”

17.55-18.10 Eduard Salvador Solé (ICC Barcelona) “The epoch of reionization and the properties of the high-z Universe”

18.10-18.25 Alberto Castro Tirado (IAA) “CIRCE/OSIRIS observations of a highly reddened γ -ray burst”

20hrs. Conference Dinner

Friday 4/12/15

SYNERGY WITH OTHER LARGE TELESCOPES

10.00-10.30 Ryan Sanders (UCLA) “The MOSDEF Survey: New insights into galaxies at z 1-3 from rest-frame optical spectra”

10.30-10.45 Marsan Z. Cemile (Tufts Uni.) “Spectroscopic Confirmation of an Ultra Massive and Compact Galaxy at $z=3.35$: A Detailed Look at an Early Progenitor of Local Most Massive Galaxies”

10.45-11.00 Ricardo Chávez (LMT) “Cosmology with HII galaxies”

11.00-11.15 Roberto Terlevich (INAOE) “About the universality of the IMF”

11.15-11.35 Coffee break

11.35-12.05 David Hughes (INAOE) “Scientific synergies between the LMT and the GTC”

12.05-12.20 Alberto Carramiñana (INAOE) The HAWC gamma-ray observatory”

GTC, LARGE PROGRAMMES AND INSTRUMENTATION

12.20-12.30 Antonio Cabrera (GRANTECAN) “GTC Science Operation Status and forward look”

12.30-12.45 Romano Corradi (IAC) “GTC Status”

12.45-12.55 Víctor Sánchez Béjar (IAC) “Current status of the GTC Adaptive Optics system”

12.55-13.25 Jordi Cepa (IAC) “OSIRIS and OTELO”

13.25-15.00 Lunch

15.00-15.30 Armando Gil de Paz (UCM) “MEGARA”

15.30-15.40 Marisa Garcia Vargas (Fractal) “MEGARA focal plane”

15.40-15.50 Esperanza Carrasco (INAOE) “MEGARA spectrograph optics”

15.50-16.20 Steve Eikenberry (U. Florida) “CIRCE and MIRADAS for the GTC”

16.20-16.40 Coffee break

16.40-17.10 Charlie Telesco (U. Florida) “CanariCam Mid-IR Polarimetry: Magnetic Fields and Dust Properties in the Protoplanetary Disk of AB Aur”

17.10-17.25 Francisco Garzón “EMIR at the Telescope”

17.25-17.55 Ramon García López (IAC) “HORS and the GTC”

17.55-18.25 Alan Watson (IA-UNAM) “FRIDA: The Diffraction-Limited NIR Imager and IFS for the GTC”

18.25-18.35 Jorge Fuentes Fernández (IA-UNAM) “FRIDA: planning the verification of the optomechanic subsystems one by one”

18.35-18.45 Margarita Rosado (IA-UNAM) “A monolithic detector for the GTC”

GTC Community WISH LIST

18.35-19.45 Session Chaired by J.J. González and A. Gil de Paz;

Invited participants R. Corradi (GTC Deputy Director); A. Cabrera (Head of Scientific Operations).

19.45 Acknowledgements and Conference final remarks