

Texas 2017 Programme Outline

Cape Town International Convention Centre (CTICC) Cape Town, South Africa

	Sunday, 03/Dec	Monday, 04/Dec	Tuesday, 05/Dec	Wednesday, 06/Dec	Thursday, 07/Dec	Friday, 08/Dec
08:30 - 09:15	Auditorium 2	Chair: Frank Rieger	Chair: Patrick Woudt	Chair: Jose-Luiz Gomez	Chair: Alvaro de la Cruz-Dombriz	Chair: Christopher Thompson
09:15 - 10:00		08:30 - 9:00: Opening Remarks	09:00 - 10:30: IUPAP Young Scientist Medal Awards	09:00 - 10:00 Alex Filippenko : Dark Energy 100 years after "Einstein's Biggest Blunder"	Roy Maartens : Cosmology with MeerKAT and the SKA	K.J. Lee : Supermassive Black Hole Binaries and Pulsar Timing Arrays
10:00 - 10:30		09:00 - 09:45: Ivan de Mitri : Recent Advances in Cosmic Ray Observations	Pratika Dayal : First light: The rise of galaxies in the first billion years		Diego Harari : Footprints of gravitational waves in the polarization of the cosmic microwave background	Chiara Caprini : GW Sources and Cosmology (<i>Via Skype</i>)
10:30 - 11:00		09:45 - 10:30: Luke Drury : Astrophysics of Cosmic Rays	Nikku Madhusudhan : Chemical characterization of extrasolar planets	Gabriela Vila : Relativistic Jets from AGN and X-Ray Binaries (Junior Highlight)	Yabebal Fantaye : Testing the CMB Isotropy with current and future experiments (Junior Highlight)	Tana Joseph : X-Ray Binaries in the local Universe (Junior Hilight)
		Refreshment break & posters	Refreshment break & posters	Refreshment break & posters	Refreshment break & posters	Refreshment break & posters
11:00 - 11:45	Auditorium 2	Chair: Alessandro de Angelis	Chair: Amanda Weltman	Chair: Krzysztof Nalewajko	Chair: Nigel Bishop	Chair: Markus Böttcher
11:45 - 12:30		Hitoshi Murayama : Dark Matter and Fundamental Physics	Jonathan Sievers : Probing the EoR with HI Surveys	Erin Kara : Observations of Super-Eddington Accretion in Tidal Disruption Events and Ultraluminous X-ray Sources	Parameswaran Ajith : Gravitational waves: The new frontier of astrophysics	Emily Petroff : Fast Radio Bursts
12:30 - 14:00		Gavin Rowell : Ground-Based Gamma-Ray Astronomy	Teresa Montaruli : Astrophysics with High-Energy Neutrinos	Shep Doeleman : The Event Horizon Telescope	Samaya Nisanke : Seeing and hearing the violent universe: the astrophysics of the binary neutron star merger, GW170817	Closing session
14:00 - 16:00		Lunch	Lunch	Lunch	Lunch	Lunch
Auditorium 2		Parallel Session 1:	ParallelSession 3:	Parallel Session 5:	Parallel Session 7:	
Room 1.41-2		Gamma-Ray Bursts I	Physics of Jets and the Disk-Jet Connection II	Physics of Accretion incl. Tidal Disruption Events I	Gravitational Waves: Direct Detection	
Room 1.43-4		Numerical Relativity	Exact solutions, inhomogeneous models and averaging I	Modifications of Gravity I	Modifications of Gravity III	
Room 1.61-2		Large Scale Structures I	CMB & Inflation	Dark Matter / Dark Energy I	Cosmic Magnetic Fields	
Room 1.63-4		Pulsars I	Compact Objects & Fast Radio Bursts I	AGN as Sources of Gamma-Rays, UHECRs and Neutrinos I	HE and VHE Gamma-Ray Astronomy I	
16:00 - 16:30	Registration	Refreshment break & posters	Refreshment break & posters	Refreshment break & posters	Refreshment break & posters	
16:30 - 18:00		Parallel Session 2:	Parallel Session 4:	Parallel Session 6:	Parallel Session 8:	
Auditorium 2		Gamma-Ray Bursts II Physics of Jets and the Disk-Jet Connection I	Physics of Jets and the Disk-Jet Connection III	Physics of Accretion incl. Tidal Disruption Events II	Gravitational Waves: EM Counterparts & SMBHs	
Room 1.41-2		Cosmic Neutrinos Observation of Cosmic Rays	Exact Solutions II	Modifications of Gravity II	Gravitational Lensing	
Room 1.43-4		Large Scale Structures II	CMB & Inflation	Dark Matter Dark Energy II	HE and VHE Gamma-Ray Astronomy II	
Room 1.61-2		Pulsars II	Compact Objects & Fast Radio Bursts II	AGN as Sources of Gamma-Rays, UHECRs and Neutrinos II		
Room 1.63-4		X-ray / Gamma-Ray Binaries	Future Challenges & Experiments II			
18:00 - 20:00	Welcome Reception (CTICC)		19:30 - 21:00 PUBLIC LECTURE Auditorium 2, CTICC Prof Alex Filippenko "Einstein's Biggest Blunder? Dark Energy and the Runaway Universe"	19:00 - 21:00: TUTORIAL Auditorium 2, CTICC Prof Alex Filippenko "Preparing Future Faculty: How to Teach a Large Lecture Course in Physics and Astronomy"	19:30: Symposium Dinner (Gold Restaurant)	