

# EXO-ELT PROGRAMME

Legend:

Introduction talks
Synergies talks
Invited talks
Contributed talks
Pop-up

	Monday, 17 November	Tuesday, 18 November	Wednesday, 19 November	Thursday, 20 November	Friday, 21 November	
08:30		Registration & Coffee/Tea	Registration & Coffee/Tea	Registration & Coffee/Tea	Registration & Coffee/Tea	
09:00		PCS (M. Kasper)	Substructures	Demographics	A. Simonnin - High-contrast observations with ELT-ANDES: exoplanet yields with preliminary end-to-end simulations	
09:15			(A. Garufi)	(L. Mignon, C. Fontanive)	X. Chen - Mapping atmospheric structures with Doppler imaging in the era of ELT	
09:30		VLT synergies with ELT (C. Péroux)	M. Vincent - Subaru/IRCS View of Dracula's Chivito: Infrared Imaging and Modelling of the IRAS 23077+670 Disk	B. Biller - JWST direct imaging searches for sub-Jupiter planets as a pathfinder towards ELT exoplanet imaging	Rocky worlds	
09:45		VLTi synergies with ELT (M. Nowak)	P. Sudarshan - Starlight substructures in dusty, radiative PPDs: limits to the stellar irradiation instability	J. Kammerer - Synergies between the E-ELT and the VLTi for exoplanet science	(E. Alei)	
10:00		ALMA synergies with ELT (E. Macias)	C. Toci -Detecting Substructures in Protoplanetary Discs with MICADO/MORFEO	H. Osborne - Homogeneous analysis of small planet masses: impacts on planet compositions and demographics	S. Martos - Probing the ELT's Limits: Performance Predictions for Earth-like Planet Detection with IFU Instrumen	
10:15		GAIA synergies with ELT (A. Sozzetti)	N. van der Marel - Fully resolving warm CO in the inner regions of protoplanetary disks with METIS	O. Carrion-Gonzalez - Estimating the science yield of PCS and its synergies with other instruments	T. Lichtenberg - Prospects for characterising the atmospheres of young terrestrial lava planets with the ELTs	
10:30						
11:00						
11:00		JWST synergies with ELT (E. Ducrot)	Protoplanets	Architectures	A. Chiavassa - High-Resolution Spectra from 3D Radiative-Hydrodynamical Simulations of M Dwarf Atmospheres	
11:15		PLATO synergies with ELT (S. Aigrain)	(G. Cugno)	(L. Matra, J. Olofsson)	S. Vaughan - Getting to know our neighbour: Charactering the atmosphere Proxima b with the ELT	
11:30		ARIEL synergies with ELT (G. Tinnetti)	G. Marleau - Hydrogen line emission from accreting gas giants and their CPDs: line profiles seen with METIS	C. Desgrange - Dust populations and complex morphology of the young debris disk around HD 120326	M. Houelle - Exploring the habitability and observability of Proxima b with ANDES and PCS	
11:45		Roman synergies with ELT (J. Mazoyer)	M. Bonnefoy - How ELT will characterize accretion on protoplanets? A pathfinder program on UVES	B. Rajpoot - Predict, Point, Probe: Mapping the Orbits of Long-Period Cool Gas Giants	G. Rocetti - Refining contrast estimates for rocky exoplanets in reflected and polarized light	
12:00		Poster Pop-up Session	J. Peng - Exploring protoplanets with high-resolution spectroscopy: benchmarks from synthetic observations	K. Jaworska - Exocomet systems in the ELT era	G. Chaverot - Improving our understanding of the limits of habitability in preparation for ANDES and PCS	
12:15	Workshop - Photo	I. Hammond - The METIS Protoplanets Campaign: Predictions for first light and lessons learnt from SPHERE	Poster Pop-up Session	Conclusions		
12:30	Registration & Coffee/Tea	Lunch	Lunch	Lunch	Lunch	
13:15	Introduction					
13:30	ELT status (M. Cirasuolo)					
13:45						
14:00	ELT operation (O. Hainaut)	Disk Evolution	A. Boccaletti - Upgrading SPHERE with the second stage AO system SAXO+: a technology demonstrator for PCS	Atmospheres (close-in planets)	Closing	
14:15		(A. Winter)	G. Bourdarot - Synergies between GRAVITY+ and ELT/MICADO for planet formation studies	(J. Seidel)		
14:30	MICADO (R. Davies)	C. Manara - Studies of highly irradiated protoplanetary disks now and in the ELT era	S. Lacour - Photonic Lanterns: From Theory to On-Sky Observations	R. Allart - Two years of atmospheric characterization with The Near Infra-Red Planet Searcher (NIRPS)		
14:45		D. Daza Valdebenito - Multiplicity and Inner Disk Reshaping in the Extreme Accretion Event of FUor V960 Mon	S. Rossini-Bryson - The GLINT instrument: high-contrast imaging using nulling interferometry with photonic chips	B. Prinoth - Right Time, Right Place: Probing Atmospheric C/O in Eccentric Warm Giants with CRIRES+		
15:00	METIS (B. Brandl)	T. Haworth - Observing external photoevaporation in distant clusters	P. Baudoz - Expected performance of exoplanet and disk observations with MICADO high-contrast mode	V. Yariv - Doppler Eclipse Mapping: Promising prospects with ELT		
15:15		H. Alqubelat - Probing Companions in Planet-Forming Disks with the ELT: A Multi-Wavelength Instrumental Approach	O. Absil - Expected performance and scientific potential of the METIS high-contrast imaging modes	L. Pino - High dispersion phase curves of hot exoplanets in the ELT era.		
15:30	Coffee & tea	Coffee & tea	Coffee & tea	Coffee & tea		
16:00	MORFEO (P. Ciliegi)	Disk Chemistry	Hands-on / Splinters	Atmospheres (outer planets)		
16:15		(S. Grant)		(Y. Zhang)		
16:30	HARMONI (A. Carlotti)	J. Bethlehem - Studying the molecular emission from dust depleted inner regions of protoplanetary disks		A. Denis - Characterisation of giant planets at high spectral resolution: recent results from VLT/HIRISE and pe		
16:45		C. Burgy - Dynamics in the inner disk: A CRIRES+ survey of Transition Disks		D. Gonzalez - Storm chasers: Probing β Pic b's weather with full-rotation high-resolution spectroscopy		
17:00	ANDES (A. Marconi)	Planet Formation		P. Palma-Bifani - Exoplanet science with MICADO at the ELT: Simulations, challenges, and first-light strategies		
17:15		(M. Lambrechts)		L. Parker - Atmospheric characterisation with CRIRES+ M-band as a pathfinder for rocky worlds with METIS		
17:30	End-of-the day					
17:45						
18:00						
18:15						
18:30						