

Maximizing Science Impact of the European Extremely Large Telescope Workshop Program

v. 2025-06-13

Duration in minutes: talk + questions

Sunday, June 15

From 16:00 *Arrival & Registration*

18:30 *Welcome light buffet with beer*

Monday, June 16

SETTING UP THE STAGE

<i>Time</i>	<i>Speaker</i>	<i>Presentation</i>
<i>Chair: Dieter Lutz</i>		
9:30	LOC	Opening remarks
9:45	Reinhard Genzel	Big Questions for the Next Decade
10:30	<i>Coffee break</i>	
11:00	Roberto Tamai	Overview of the ELT Programme
11:45	Michele Cirasuolo	Science Prospects in the Future VLT+ELT landscape
12:15	Discussion	
12:30	<i>Lunch</i>	
<i>Chair: Ric Davies</i>		
14:00	Elena Valenti	Science capabilities with MICADO
14:25	Eline Tolstoy	Science Prospects with MICADO: The Power of Resolution
14:50	Richard McDermid	MAVIS – Science Overview and Project Status
15:15	Mark Swinbank	HARMONI – current status and high-redshift science
15:40	<i>Coffee break</i>	
16:15	Guillaume Bourdarot	Synergies between GRAVITY+ and MICADO
16:40	Pascal Oesch	The First Chapters of Galaxy Build-up: from the JWST Era to the Future
17:05	Thorsten Naab	Theoretical Questions in Galaxy and SMBH Formation
17:30	General discussion	
18:00	<i>End of Day</i>	
18:30	<i>Dinner</i>	

Tuesday, June 17

STELLAR POPULATIONS, STAR FORMATION, ISM

<i>Time</i>	<i>Speaker</i>	<i>Presentation</i>
<i>Chair: Richard McDermid</i>		
9:00	Cristina Chiappini	Milky Way oldest fossil records
9:25	Claudia Maraston	Stellar Populations in the Distant Universe
9:50	Deanne Fisher	Using MAVIS to Resolve the Subgrid Physics
10:15	<i>Coffee break</i>	
10:45	Marco Gullieuszik	Star-forming Galaxies at Cosmic Noon with the ELT
11:10	Francesco Belfiore	Star formation and chemical enrichment in Cosmic Noon galaxies
11:35	Giulia Tozzi	Star Formation, ISM, and Feedback in z~2 Clumpy Galaxies
11:55	Ryan Sanders	The High-Redshift Ionized ISM in the ELT Era
12:20	Discussion	
12:30	<i>Lunch</i>	

GALACTIC CENTER(S), BLACK HOLES AND TRANSIENTS

<i>Chair: Rodrigo Herrera-Camus</i>		
14:00	Frank Eisenhauer	Stellar Dynamics Near the Galactic Center Black Hole with GRAVITY and MICADO
14:25	Stefan Gillessen	Gas in the Galactic Center with MICADO
14:50	Sebastiano von Fellenberg	Uncovering the Galactic Center Dark Cluster with the ELT
15:15	<i>Coffee break</i>	
15:55	Re'em Sari	Dynamics and Transients at Galactic Centers
16:20	Seppo Mattila	Extragalactic Transients as Probes of Galaxy and BH Evolution, and Outlook with ELT and MICADO
16:45	Discussion/Break out session	
18:00	<i>End of Day</i>	
18:30	<i>Dinner</i>	

Wednesday, June 18

FROM CLUSTERS AND IMBHs TO GALAXIES AND SMBHs

<i>Time</i>	<i>Speaker</i>	<i>Presentation</i>
	<i>Chair: Giovanni Cresci</i>	
9:30	Anita Zanella	Observing High-Redshift Clumpy Galaxies with the ELT
9:55	Ric Davies	Finding Intermediate Mass Black Holes with MICADO
10:20	Alvio Renzini	Formation of Globular Clusters and their Host Galaxies: Where we Stand and the ELT Perspective
10:45	Eros Vanzella	Probing Stellar Cluster Formation in Gravitational Lensed Fields with the ELT
11:10	<i>Coffee break</i>	
11:30	Eduardo Bañados	Supermassive Black Holes in the Reionization Era
11:55	Roberto Maiolino	The Intriguing Properties of Galaxies and Black Holes in the Early Universe
12:20	Discussion	
12:30	<i>Lunch</i>	
14:00	Break-out session/Free Afternoon	
18:30	<i>Dinner: Bavarian Buffet</i>	

Thursday, June 19

SMBHs AND MASSIVE GALAXIES

<i>Time</i>	<i>Speaker</i>	<i>Presentation</i>
<i>Chair: Eckhard Sturm</i>		
9:30	Luis Ho	The Host Galaxies of AGNs at High Redshifts
9:55	Ruancun Li	Measuring the Host Galaxy of High-z AGN with Multiwavelength Images
10:15	Giovanni Mazzolari	AGN Under the Eye of JWST, New Selections and Physical Properties
10:40	<i>Coffee break</i>	
11:05	Giovanni Cresci	AGN Feedback at Low and High Redshift
11:30	Hannah Übler	Early AGN and massive black hole pairs with NIRSpect
11:55	Taro Shimizu	SMBH-Galaxy Coevolution with GRAVITY+ and MICADO
12:20	<i>Discussion</i>	
12:30	<i>Lunch</i>	
<i>Chair: Linda Tacconi</i>		
14:00	Filippo Mannucci	GW Events and Dual AGN in the ELT Era
14:25	Martina Scialpi	Cosmic Duets: Decoding Gravitational Waves with Dual AGN
14:45	Jinyi Shanguan	Supermassive Black Hole Binary Search and Future Prospects
15:10	<i>Coffee break</i>	
15:50	Pablo Pérez-González	The earliest phases in the evolution of galaxies: JWST approaches and prospects for ELT
16:15	Eleonora Parlanti	Unveiling the Properties of High-Redshift Galaxies Through JWST and ALMA Synergy
16:40	<i>Discussion/Break out session</i>	
17:55	<i>End of Day</i>	
18:30	<i>Dinner</i>	

Friday, June 20

DYNAMICS, STRUCTURE, AND THE BUILD-UP OF GALAXIES

<i>Time</i>	<i>Speaker</i>	<i>Presentation</i>
<i>Chair: Hannah Übler</i>		
9:30	Trevor Mendel	From MUSE to MAVIS: tracing dynamical evolution with current and future IFS
9:55	Claudia Pulsoni	Build-up of Galactic Structure and the Role of Bars & Spiral Arms from Observations
10:15	Stavros Pastras	Build-up of Galactic Structure and the Role of Bars & Spiral Arms from Simulations
10:35	Letizia Scaloni	Connecting Galactic Structure and Stellar Populations, and Prospects with MICADO & MORFEO
10:55	<i>Coffee break</i>	
11:15	Amit Nestor Shachar	The Need for High-Resolution Kinematics & Imaging: The Case of zC406690
11:35	Lilian Lee	Resolved Kinematics and Structure to z~6
11:55	Amiel Stenberg	The Baryon Content of Galaxy Halos
12:20	Discussion	
12:30	<i>Lunch</i>	
<i>Chair: Taro Shimizu</i>		
14:00	Rodrigo Herrera-Camus	Zooming In: Normal Galaxies at high-z in the ELT Era
14:25	Andy Bunker	The High Redshift Frontier with ELT
14:50	Seiji Fujimoto	Toward the First Galaxies with JWST x Lensing and Future Prospects in the ELT Era
15:15	<i>Coffee break</i>	
15:45	General Discussion	
16:45	Closing Words	
17:00	<i>End of Day</i>	
18:30	<i>Dinner</i>	

Saturday, June 21

8:00	<i>Breakfast</i>
9:00	<i>Departure</i>

POSTER PRESENTATIONS — ON DISPLAY ALL WEEK

Capucine Barféty

Yixian Cao

Jianhang Chen

Juan Manuel Espejo Salcedo

Jean-Baptiste Jolly

Ruancun Li

Felix Mang

Sebastian Rabien

GRAVITY+ Collaboration

PHIBSS: Searching for Molecular Gas Outflows in Star-Forming Galaxies at $z = 0.5\text{--}2.6$

MICADO data reduction software

Spatially Resolved ISM in Cosmic Noon Galaxies

Galaxy Morphologies at Cosmic Noon with JWST: Bars and Spirals

NOEMA^{3U}: Sub-galactic Scale Gas Properties & Kinematics of Massive Star-Forming Galaxies at $z\sim 1\text{--}2$

The Dichotomy in the Nuclear and Host Galaxy Properties of High-redshift Quasars

Scientific prospects of a highly eccentric star in the Galactic Center in the MICADO/ELT era

Micado Instrument

GRAVITY+ and Beyond