

Sun, June 14

6:00 PM

Registration Desk & Welcome Cocktail at Santa Spazio Culturale (Yeahjasi) - Ex convento di Santa Chiara

Contribution

8:00 PM

6:30 PM

Social events: Presentation "Rigenerazione olivicola post-Xylella in Provincia di Brindisi" (Presidente Coldiretti Brindisi) and Piano Concert Session

6:30 – 7:00 PM

Presentation: "Rigenerazione olivicola post-Xylella in Provincia di Brindisi"

Speaker

Giovanni Ripa (Presidente Coldiretti Brindisi)

8:00 PM

7:00 – 8:00 PM

Piano Concert: Aksinja Gioia

8:00 PM

Social events: Claudia Di Cera: "Archeoastronomia: un viaggio, scientifico, nell'archeoastronomia"

Session

8:20 PM

Mon, June 15

8:30 AM

Registration
Contribution

9:15 AM

9:15 AM

Institutional Welcomes and Opening Remarks

Session | Convener: Dr Francesca Panessa (Istituto Nazionale di Astrofisica (INAF))

9:15 – 9:30 AM

Institutional Welcomes (Mayor of Brindisi)

Speaker

Giuseppe Marchionna

9:30 – 9:45 AM

SEZIONE INAF Università del Salento

Speaker

Prof. Francesco Strafella

9:45 – 10:15 AM

Opening Remarks

Speaker

Fabrizio Fiore

10:15 AM

10:15 AM

S1 - Black Hole Accretion and Outflows: Focusing on the physics of accretion disks, the mechanisms driving high-velocity winds, and the geometry of circumnuclear regions

Session | Convener: Paola Marziani (Istituto Nazionale di Astrofisica (INAF))

10:15 – 10:45 AM

(Review) The X-ray Corona and its dependence on AGN Accretion Properties

Speaker

Prof. Claudio Ricci (University of Geneva)

10:45 – 11:00 AM

Tracing disc-corona coupling and ionising output of quasars across the Lx-Luv plane

Speaker

Susanna Bisogni (INAF-IASF Milano)

11:00 AM

11:00 AM

Coffee break
Break

11:30 AM

11:30 AM

S1 - Black Hole Accretion and Outflows: Focusing on the physics of accretion disks, the mechanisms driving high-velocity winds, and the geometry of circumnuclear regions

Session | Convener: Paola Marziani (Istituto Nazionale di Astrofisica (INAF))

11:30 – 11:50 AM

(Highlight) The Quasar X-ray View at the Epoch of Reionization: Implications for Early Black Hole Accretion, AGN Emissivity, and Future Surveys

Speaker
Luca Zappacosta (Istituto Nazionale di Astrofisica (INAF))

11:50 AM – 12:05 PM

Outflows and Radio-Quiet AGN: Radio Emission as a Feedback Tracer Across Cosmic Time

Speaker
Elisa Amenta (Istituto Nazionale di Astrofisica (INAF))

12:05 – 12:20 PM

New X-ray Insights on the Torus Geometry and AGN Self-Regulation Processes

Speaker
Stefano Marchesi (Università di Bologna)

12:20 – 12:35 PM

Cosmic Tides: Relativistic Disk Winds and the Accretion-Ejection Coupling in AGN

Speaker
Prof. Francesco Tombesi (Tor Vergata University of Rome & INAF)

12:35 – 12:50 PM

Unveiling BLR Scale Outflows: Models for the Era of High Resolution X-ray Spectroscopy

Speaker
Scott Hagen (Istituto Nazionale di Astrofisica (INAF))

12:50 – 1:05 PM

First time-evolving ionisation analysis of the X-ray spectrum of NGC 4051: energetic, distance and a Broad Line-wind unification scenario

Speaker
Alfredo Luminari (Istituto Nazionale di Astrofisica (INAF))

1:05 PM

1:05 PM

2:30 PM

2:30 PM

Lunch break (lunch is not provided as part of the event)
Break

S1 - Black Hole Accretion and Outflows: Focusing on the physics of accretion disks, the mechanisms driving high-velocity winds, and the geometry of circumnuclear regions

Session | Convener: Alessandra Lamastra (Istituto Nazionale di Astrofisica (INAF))

2:30 – 2:45 PM

Discovery of ultra-fast outflows with $v_{out} > 0.3c$ in local, bright AGN

Speaker
Ms Laura Borrelli

2:45 – 3:00 PM

Beyond the dust: probing AGN-driven molecular outflows and phase-dependent extinction in ULIRGs

Speaker
Giovanna Speranza (Instituto de física fundamental (IFF, CSIC))

3:00 – 3:15 PM

Decoupling Line and Continuum Variability: Evidence for Disc Truncation in High-Accretion Quasars

Speaker

Dr Chiara Niccolai (Scuola Superiore Meridionale)

3:15 – 3:30 PM

Directly tracking the accretion disc formation around a supermassive black hole**Speaker**

Dr Riccardo Middei (INAF-OAR)

3:30 – 3:45 PM

X-ray polarization in Radio-Quiet AGN: insights from the Wedge Corona model**Speaker**

Daniele Tagliacozzo (Università degli Studi Roma Tre)

3:45 PM

3:45 PM

Coffee break**Break**

4:15 PM

4:15 PM

S2 - Relativistic Jets and Particle Acceleration: Investigating the launching, collimation, and energetic processes within relativistic jets, including their composition and impact**Session** | **Convener:** Alessandra Lamastra (Istituto Nazionale di Astrofisica (INAF))

4:15 – 4:35 PM

(Highlight) The Accretion-Ejection Mechanism in Low-Power Radio AGN**Speaker**

Ranieri Diego Baldi (Istituto Nazionale di Astrofisica (INAF))

4:35 – 4:50 PM

The life cycle of relativistic jets: low-power radio sources in the spotlight**Speaker**

Monica Orienti (Istituto Nazionale di Astrofisica (INAF))

4:50 – 5:05 PM

From compact to giant: the lives of radio AGN on the smallest and largest scales**Speaker**

Kathleen Kelly Lindiwe Charlton (Istituto Nazionale di Astrofisica (INAF))

5:05 PM

5:05 PM

S9 - Current and Future Facilities for AGN Science: Discussing the implementation and scientific exploitation of major current and future space-based and ground-based facilities with Italian involvement, focusing on maximizing their impact on AGN studies**Session** | **Convener:** Alessandra Lamastra (Istituto Nazionale di Astrofisica (INAF))

5:05 – 5:25 PM

(Highlight) Millimeter and Infrared Probes of Active Galactic Nuclei: From ALMA to the Future Infrared mission PRIMA**Speaker**

Francesca Pozzi (University of Bologna)

5:25 PM

6:30 PM

Social events: Brindisi city tour & Football match

Session

6:30 – 8:00 PM

Brindisi City Tour - Departing from Palazzo Nervegna (Italian & English)

7:00 – 8:00 PM

Football match

8:00 PM

Tue, June 16

9:30 AM

S7 - The Early Growth of Supermassive Black Holes: Examining the formation, growth rates, and census of SMBHs in the high-redshift universe ($z > 6$) and their role in cosmic reionization

Session | **Convener:** Dr Fabrizio Fiore (Istituto Nazionale di Astrofisica (INAF))

9:30 – 10:00 AM

(Review) The Formation and Early Growth of Supermassive Black Holes

Speaker

Roberto Maiolino (University of Cambridge)

10:00 AM

10:00 AM

S2 - Relativistic Jets and Particle Acceleration: Investigating the launching, collimation, and energetic processes within relativistic jets, including their composition and impact

Session | **Convener:** Dr Fabrizio Fiore (Istituto Nazionale di Astrofisica (INAF))

10:00 – 10:30 AM

(Review) Dynamics, dissipation and emission of relativistic jets: new observational clues and theoretical scenarios.

Speaker

Fabrizio Tavecchio (Istituto Nazionale di Astrofisica (INAF))

10:30 – 10:45 AM

A detailed study of the radio-gamma connection in a large sample of 4LAC AGNs

Speaker

Alessandro Paggi

10:45 – 11:00 AM

Tracing the end of AGN jets: the first large sample of remnant radio galaxies

Speaker

Marisa Brienza (Istituto Nazionale di Astrofisica (INAF))

11:00 AM

11:00 AM

Coffee break

Break

11:30 AM

11:30 AM

S2 - Relativistic Jets and Particle Acceleration: Investigating the launching, collimation, and energetic processes within relativistic jets, including their composition and impact

Session | **Convener:** Dr Fabrizio Fiore (Istituto Nazionale di Astrofisica (INAF))

11:30 – 11:45 AM

Modeling of multi-zone Synchrotron polarization of blazars: insights from new data and connection to particle acceleration

Speaker

Andrea Tramacere

11:45 AM – 12:00 PM

Unveiling the Physics of Blazar Emission Through Quasi-Periodic Oscillations Studies**Speaker**

Alba Rico

12:00 – 12:15 PM

A FLASH on Blazars: mapping relativistic jets from MHz radio to GeV gamma rays with SKA pathfinders**Speaker**

Meriem Behiri

12:15 PM

12:15 PM

S3 - Black Holes Across the Mass Scale and Time-Domain Probes: Exploring the accretion and ejection coupling through analogies and differences between supermassive black holes (SMBHs), intermediate and stellar-mass compact objects and through transient sources**Session** | **Convener:** Dr Fabrizio Fiore (Istituto Nazionale di Astrofisica (INAF))

12:15 – 12:45 PM

(Review) Accretion and jets in X-ray binaries**Speaker**

Sara Elisa Motta (Istituto Nazionale di Astrofisica (INAF))

12:45 PM

12:45 PM

Asimmetrie invisibili. Divari economici, soffitto di cristallo e violenza economica**Contribution** | **Speaker:** Annarita Del Vecchio (Psicologa di Comunità | Project Manager)

1:05 PM

1:05 PM

Lunch break (lunch is not provided as part of the event)**Break**

2:30 PM

2:30 PM

S3 - Black Holes Across the Mass Scale and Time-Domain Probes: Exploring the accretion and ejection coupling through analogies and differences between supermassive black holes (SMBHs), intermediate and stellar-mass compact objects and through transient sources**Session** | **Convener:** Angela Malizia (Istituto Nazionale di Astrofisica (INAF))

2:30 – 2:50 PM

Transient Probes of Intermediate-Mass Black Holes in the MORFEO era: TDEs and QPEs**Speaker**

Elisa Bortolas

2:50 – 3:05 PM

A fundamental plane of black hole accretion in the millimetre**Speaker**

Dr Ilaria Ruffa (INAF - OAA)

3:05 – 3:20 PM

Rising Tides in Active Galaxies: Nuclear Transients and Episodic Activity in NGC 7213, AT2021hdr, and SDSS J1335+0728**Speaker**

Dr Gabriele Bruni (INAF - Istituto di Astrofisica e Planetologia Spaziali)

3:20 – 3:35 PM

Feeding a Black Hole with a star: Tidal Disruption Events in the Time Domain Astronomy Golden Age**Speaker**

Francesca Onori (Istituto Nazionale di Astrofisica (INAF))

3:35 – 3:50 PM

HLX-1: a TDE on an Intermediate-Mass Black Hole?**Speaker**

Ms Maya Garbaccio Gili (Istituto Nazionale di Astrofisica (INAF))

3:50 PM

3:50 PM

S3 - Black Holes Across the Mass Scale and Time-Domain Probes: Exploring the accretion and ejection coupling through analogies and differences between supermassive black holes (SMBHs), intermediate and stellar-mass compact objects and through transient sources**Session** | **Convener:** Angela Malizia (Istituto Nazionale di Astrofisica (INAF))

3:50 – 4:05 PM

The Timedomes project: probing AGN populations through legacy optical monitoring campaigns.**Speaker**

Maurizio Paolillo (Università di Napoli Federico II)

4:20 PM

4:20 PM

4:05 – 4:20 PM

Coffee break**S4 - Binary and Dual AGN Systems: Studying the observational signatures, dynamics, and gravitational wave implications of closely separated and merging black hole systems****Session** | **Convener:** Angela Malizia (Istituto Nazionale di Astrofisica (INAF))

4:20 – 4:50 PM

(Review) Dual and Binary AGN: observational signatures and connections to Gravitational-Waves**Speaker**

Paola Severgnini (Istituto Nazionale di Astrofisica (INAF))

4:50 – 5:05 PM

Multiple AGN systems at $z \sim 3$ revealed by JWST/NIRSpec IFU**Speaker**

Dr Michele Perna (Centro de Astrobiología (CAB), INTA-CSIC)

5:05 – 5:20 PM

Dual AGN and where to find them**Speaker**

Dr Maria Vittoria Zanchettin (Istituto Nazionale di Astrofisica (INAF))

5:20 – 5:35 PM

Black Hole Growth in the Densest Regions of the Universe: AGN activity in protoclusters from Cosmic dawn to the present days**Speaker**

Alberto Traina (Istituto Nazionale di Astrofisica (INAF))

5:40 PM

6:30 PM

Social events: Public Lecture (Palazzo Nervegna) - Prof. Roberto Maiolino "La nascita e l'evoluzione di stelle, galassie e buchi neri attraverso le epoche cosmiche"

8:00 PM

Session

Wed, June 17

9:30 AM

S4 - Binary and Dual AGN Systems: Studying the observational signatures, dynamics, and gravitational wave implications of closely separated and merging black hole systems
Session | **Convener:** Viola Allevato (Istituto Nazionale di Astrofisica (INAF))

9:30 – 9:50 AM

(Highlight) Gravitational Waves from the Cosmic Dawn: Tracing Cosmic Black Hole Binaries with ET, LGWA and LISA
Speaker
Rosa Valiante

9:50 – 10:05 AM

Dual AGN at Cosmic Noon: Bridging Observations and Theory with the First Statistical Sample
Speaker
Martina Scialpi (Università di Firenze, Università di Trento, INAF/OAA)

10:05 – 10:20 AM

MBH pairs below 100 pc (and more?): toward robust detection strategies
Speaker
Fabio Rigamonti

10:20 – 10:35 AM

Did We Just Confirm a Gravitational Wave Recoiling Black Hole in 3C 186?
Speaker
Marco Chiaberge

10:35 – 10:50 AM

The role of major mergers in triggering super-Eddington accretion
Speaker
Riccardo Caleno (Sapienza Università di Roma)

10:50 AM

10:50 AM

Coffee break
Break

11:15 AM

11:15 AM

Poster Session 1
Session | **Convener:** Viola Allevato (Istituto Nazionale di Astrofisica (INAF))

11:15 – 11:17 AM

AGILE: an end-to-end Rubin-LSST simulation of AGNs, galaxies, and stars
Speaker
Akke Viitanen

11:19 – 11:21 AM

Are Little Red Dots Powered by Highly Accreting Supermassive Black Holes?
Speaker
Andrea Sacchi

11:21 - 11:23 AM

The abundance of little red dots from cosmic dawn to noon**Speaker**

Federica Loiacono

11:23 - 11:25 AM

JWST/NIRSpec characterisation of the first highly accreting quasars and their multi-scale properties at $z > 6$ **Speaker**

Blessing Musiimenta

11:25 - 11:27 AM

Semi-empirical constraints on the high- z SMBH population and the implications for their early evolution**Speaker**

Daniel Roberts

11:27 - 11:29 AM

Euclid and the Multiwavelength View of AGN Host Galaxies: New Insights into Galaxy-AGN Co-evolution**Speaker**

Antonio La Marca

11:29 - 11:31 AM

Multi-wavelength analysis of QSO spectra with QSFIT: A showcase on Euclid and DESI data**Speaker**

Giorgio Calderone

11:31 - 11:33 AM

Lines in the sky - Physical properties of QSOs from Euclid spectral fitting**Speaker**

Joao Jose Feio Calhau

11:33 - 11:35 AM

Hot Dust Across Cosmic History: Probing the Torus Evolution of Luminous Quasars with SPHEREx**Speaker**

Arpita Ganguly

11:35 - 11:37 AM

A Two-Corona Model for Two High-Luminosity Quasars: RBS 229 and PG 1407+265**Speaker**

Alessandro Leonardo Lai

11:37 - 11:39 AM

The WISSHFUL XMM Heritage Program: probing accretion and ejection in luminous QSOs at Cosmic Noon**Speaker**

Giorgio Lanzuisi

11:39 - 11:41 AM

Ultra-fast BAL outflows as tracers of AGN feedback at cosmic noon**Speaker**

Giustina Vietri

11:41 - 11:43 AM

The windy nuclear environment of a weak-line quasar at cosmic noon**Speaker**

Ilaria Villani

11:45 - 11:47 AM

A multi-scale multi-phase view on AGN feedback on the host ISM**Speaker**

Francesco Salvestrini

11:47 - 11:49 AM

Not only heating! A numerical study on how AGN kinetic jet feedback can trigger cold gas formation**Speaker**

Stefano Sotira

11:49 - 11:51 AM

A probabilistic view of the AGN-SFG population in the era of EMU and SKA**Speaker**

Jahang Prathap

11:51 - 11:53 AM

A gamma-ray study of luminosity and duration of FSRQs flares**Speaker**

Luigi Pacciani

11:53 - 11:55 AM

Blazar Monitoring and variability analysis using the Italian radio telescopes**Speaker**

Rupal Giri

11:55 - 11:57 AM

Radio Monitoring of the Nuclear Transient AT2021hdr: Evidence for a Decline in Flux Density**Speaker**

Enrico Maria Tricarico

12:00 PM

12:00 PM

S5 - Multi-Messenger: Leveraging variability studies, gravitational waves, and high-energy neutrinos (multi-messenger astronomy) to understand the immediate vicinity of the central engine**Session | Convener:** Viola Allevato (Istituto Nazionale di Astrofisica (INAF))

12:00 - 12:30 PM

(Review) Cosmic-Ray Acceleration and Hidden Neutrino Production in Seyfert Galaxies**Speaker**

Enrico Peretti

12:30 - 12:45 PM

A VHE gamma-ray perspective of Neutrino emitting Seyfert candidates**Speaker**

Sweta Menon (Istituto Nazionale di Astrofisica (INAF))

12:45 - 1:00 PM

All they know is what they are not: the accretion of neutrino-emitting blazars

1:00 PM

1:00 PM

2:30 PM

2:30 PM

Speaker

Gaia Delucchi (Istituto Nazionale di Astrofisica (INAF))

Lunch break (lunch is not provided as part of the event)**Break****Poster Session 2****Session** | **Convener:** Andrea Merloni

2:30 – 2:32 PM

Are narrow-line and broad-line Seyfert 1s distinct X-ray populations?**Speaker**

Emanuele Nardini

2:34 – 2:36 PM

Decade-Long Variability of Soft X-ray Wind in PG 1211+143: A Comparative XMM-RGS Study**Speaker**

Sreeparna Ganguly

2:38 – 2:40 PM

The Chandra-HETG spectrum of 4U 1746-37: hints for red- and blue-shifted high-velocity FeXXV and XXVI Absorption**Speaker**

Federico Di Salvo

2:40 – 2:42 PM

Time-evolving density and temperature line diagnostic for high-resolution X-ray spectroscopy**Speaker**

Francesca Diaferia

2:42 – 2:44 PM

X-ray disc reverberation modelling of the X-ray/UV/optical spectral/timing properties of Fairall 9**Speaker**

Michalis Polioudakis

2:44 – 2:46 PM

X-ray Obscuration vs molecular gas distribution in local AGN**Speaker**

Manuela Molina

2:46 – 2:48 PM

Photoionisation by Non-thermal Continuum as the reason for LINER Spectra in LLAGN**Speaker**

Nischal Acharya

2:50 – 2:52 PM

Investigating AGN feedback in FR0 radio galaxies**Speaker**

Fabrizio Gandossi

2:52 – 2:54 PM

Unveiling dual AGN in advanced galaxy mergers with MUSE-IFU

	Speaker Manali Parvatikar
	2:54 – 2:56 PM Nuclear and galactic ionized winds in a quiescent massive galaxy KUG 1208+386 hosting an obscured AGN Speaker Yerong Xu
3:00 PM	
3:00 PM	S6 - AGN Feedback and the Host Galaxy: Analyzing how AGN energy output (kinetic and radiative feedback) impacts star formation and gas distribution within the host galaxy and its surrounding dark matter halo Session Convener: Andrea Merloni
	3:00 – 3:30 PM (Review) Exploring the impact of (radio) AGN on galactic scales by tracing different phases of the gas Speaker Raffaella Morganti (ASTRON/Kapteyn Institute)
3:30 PM	
3:30 PM	Coffee break Break
4:00 PM	
4:00 PM	S6 - AGN Feedback and the Host Galaxy: Analyzing how AGN energy output (kinetic and radiative feedback) impacts star formation and gas distribution within the host galaxy and its surrounding dark matter halo Session Convener: Andrea Merloni
	4:00 – 4:20 PM (Highlight) The physical properties, acceleration mechanism and impact of AGN outflows from low to high redshift Speaker Giovanni Cresci (Istituto Nazionale di Astrofisica (INAF))
	4:20 – 4:35 PM Unveiling the driving mechanism of AGN-driven outflows: a multi-wavelength perspective Speaker Dr Cosimo Marconcini (Istituto Nazionale di Astrofisica (INAF))
	4:35 – 4:50 PM Disrupting the ISM: How AGN Feedback Reshapes Molecular Gas Clumpiness Speaker Federico Esposito (Observatorio Astronómico Nacional (OAN-IGN, Madrid))
	4:50 – 5:05 PM Unveiling the role of multi-phase AGN outflows with MIRACLE Speaker Matteo Ceci (Università di Firenze)
5:05 PM	

6:30 PM

10:35 PM

Social events	
Session	
6:30 – 7:00 PM	Meet at Autorità Portuale to get to Castello Alfonsino
7:00 – 8:30 PM	Visit to Castello Alfonsino
8:30 – 10:30 PM	Social Dinner at "Al Porticciolo" Restaurant
10:30 – 10:35 PM	Bus back to Autorità Portuale

Thu, June 18

9:30 AM

S6 - AGN Feedback and the Host Galaxy: Analyzing how AGN energy output (kinetic and radiative feedback) impacts star formation and gas distribution within the host galaxy and its surrounding dark matter halo

Session | **Convener:** Guido Risaliti (Università di Firenze. Dipartimento di fisica e astronomia)

9:30 - 10:00 AM

(Review) Probing the link between dense environment and SMBH growth at high redshift

Speaker

Fabio Vito (Istituto Nazionale di Astrofisica (INAF))

10:00 - 10:15 AM

An HIPER view of AGN feedback on the gas reservoirs at cosmic noon

Speaker

Elena Bertola (Istituto Nazionale di Astrofisica (INAF))

10:15 - 10:30 AM

Gentle but Persistent: Shock-Driven Feedback in Low-Accreting Black Holes

Speaker

Ivan Ezequiel Lopez (Istituto Nazionale di Astrofisica (INAF))

10:30 - 10:45 AM

Cracking the quasar accretion puzzle: a thin disc and an intrinsically narrow Eddington ratio distribution are enough

Speaker

Bartolomeo Trefoloni (Scuola Normale Superiore)

10:45 - 11:00 AM

From Ultra-Fast Winds to Galaxy-Scale Feedback: a multi-phase energy-conserving outflow in IRAS 17020+4544

Speaker

Enrica Bellocchi (Universidad Complutense de Madrid - IPARCOS)

11:00 AM

11:00 AM

Coffee break

Break

11:30 AM

11:30 AM

S7 - The Early Growth of Supermassive Black Holes: Examining the formation, growth rates, and census of SMBHs in the high-redshift universe ($z > 6$) and their role in cosmic reionization

Session | **Convener:** Guido Risaliti (Università di Firenze. Dipartimento di fisica e astronomia)

11:30 - 11:50 AM

(Highlight) Pushing the redshift frontier: Discovery and Characterization of Quasars at Cosmic Dawn with Euclid

Speaker

Silvia Belladitta (Max Planck Institute for Astronomy)

	11:50 AM – 12:05 PM AGN-heated dust revealed in (most) Little Red Dots Speaker Dr Ivan Delvecchio (INAF-OAS)
	12:05 – 12:20 PM Independent evidence for evolving dark energy from high-redshift AGN probes Speaker Elisabeta Lusso (Università di Firenze. Dipartimento di fisica e astronomia)
	12:20 – 12:35 PM The AGN Luminosity Function at $z \sim 4$ from the QUBRICS and DESI surveys Speaker Andrea Grazian (Istituto Nazionale di Astrofisica (INAF))
	12:35 – 12:50 PM Out of Place: Evidence for an Off-Center Black Hole at $z = 7.2$ Speaker Sandra Zamora (Scuola Normale Superiore di Pisa)
	12:50 – 1:05 PM The WISSHFUL XMM Heritage Program: probing accretion and ejection in luminous QSOs at Cosmic Noon Speaker Dr Giorgio Lanzuisi (INAF-OAS)
1:05 PM	
1:05 PM	
2:30 PM	
2:30 PM	
	Lunch break (lunch is not provided as part of the event) Break
	Social events: Torre Guaceto Nature Reserve & Dinner at "Fra' Diavolo" Session
	2:30 – 3:30 PM Meet at Autorità Portuale to take a bus to Torre Guaceto Nature Reserve (visit & swim)
	3:30 – 7:30 PM Excursion: Trip to Torre Guaceto Nature Reserve
	8:00 – 10:30 PM Dinner at "Fra' Diavolo" (near Torre Guaceto Nature Reserve)
10:35 PM	10:30 – 10:35 PM Bus back to Autorità Portuale

Fri, June 19

10:00 AM

S8 - Cosmological Implications and Large-Scale Environment: Discussing the role of AGN in structure formation and galaxy evolution models, including the effect of the large-scale environment on AGN activity

Session | Convener: Tullia Sbarrato (Istituto Nazionale di Astrofisica (INAF))

10:00 - 10:20 AM

(Highlight) The LX-LUV relation in quasars - A New Sample

Speaker

Matilde Signorini (Istituto Nazionale di Astrofisica (INAF))

10:20 - 10:35 AM

The "Menus" of SMBHs in the most massive galaxies: hot, warm, or cold gas?

Speaker

Dr Francesco Ubertosi (Università di Bologna)

10:35 - 10:50 AM

Quantifying the AGN enhancement in $z > 2$ protoclusters

Speaker

Monica Natalia Isla Llave (Istituto Nazionale di Astrofisica (INAF))

10:50 - 11:05 AM

Bright Beacons in the Cosmic Web: Cosmology with QUBRICS

Speaker

Stefano Cristiani

11:05 AM

11:05 AM

Coffee break

Break

11:35 AM

11:35 AM

S8 - Cosmological Implications and Large-Scale Environment: Discussing the role of AGN in structure formation and galaxy evolution models, including the effect of the large-scale environment on AGN activity

Session | Convener: Tullia Sbarrato (Istituto Nazionale di Astrofisica (INAF))

11:35 - 11:50 AM

First results from the Study of Quasar Environment at Early-z Epochs (SQUEEzE)

Speaker

Virginia Lucia Cavicchi (Istituto Nazionale di Astrofisica (INAF))

11:50 AM - 12:05 PM

HIDE AND SEEK: cosmic evolution of the ISM and its implications for nuclear obscuration.

Speaker

Lucia Fiorani (Università di Bologna)

12:05 - 12:20 PM

Exploring radio processes in hyperluminous quasars at cosmic noon

Speaker

Matteo Fanelli (Istituto Nazionale di Astrofisica (INAF))

12:20 – 12:35 PM

Early Black Hole Growth via Super-Eddington Accretion: insights from High-Resolution Simulations**Speaker**

Alessandro Trinca

12:35 PM

12:35 PM

S9 - Current and Future Facilities for AGN Science: Discussing the implementation and scientific exploitation of major current and future space-based and ground-based facilities with Italian involvement, focusing on maximizing their impact on AGN studies**Session** | **Convener:** Tullia Sbarrato (Istituto Nazionale di Astrofisica (INAF))

12:35 – 12:55 PM

(Highlight) The Cherenkov Telescope Array Observatory and its gamma-ray view on Active Galactic Nuclei**Speaker**

Giacomo Bonnoli (Istituto Nazionale di Astrofisica (INAF))

12:55 PM

12:55 PM

Lunch break (lunch is not provided as part of the event)**Break**

2:20 PM

2:20 PM

S9 - Current and Future Facilities for AGN Science: Discussing the implementation and scientific exploitation of major current and future space-based and ground-based facilities with Italian involvement, focusing on maximizing their impact on AGN studies**Session** | **Convener:** Prof. Cristian Vignali (Dipartimento di Fisica e Astronomia, Università di Bologna)

2:20 – 2:40 PM

The sharp high energy sky seen by XRISM**Speaker**

Valentina Braito (Istituto Nazionale di Astrofisica (INAF))

2:40 – 3:00 PM

(Highlight) Investigating AGN in the SKA Era**Speaker**

Isabella Prandoni (Istituto Nazionale di Astrofisica (INAF))

3:00 – 3:20 PM

(Highlight) NewAthena**Speaker**

Luigi Piro (Istituto Nazionale di Astrofisica (INAF))

3:20 – 3:40 PM

(Highlight) KM3NeT/ARCA: status, recent results and perspectives for AGN studies**Speaker**

Dr Simone Biagi (INFN, Laboratori Nazionali del Sud)

3:40 – 4:00 PM

(Highlight) The IXPE revolution in AGN: from the hot corona to the torus**Speaker**

Dr Vittoria Elvezia Gianolli (Clemson University)

4:00 – 4:20 PM

(Highlight) The AGN content in eRASS/DR1 and eRASS/DR2**Speaker**

Mara Salvato (MPE)

4:20 PM

4:20 PM
4:50 PM
9:00 PM
10:30 PM

Closing Remarks and End of Conference

Session | **Convener:** Prof. Cristian Vignali (Dipartimento di Fisica e Astronomia, Università di Bologna)

4:20 – 4:50 PM

Concluding remarks

Speaker

Andrea Merloni

Social events: Teatro Scienza Special Event - "Crazy Space" - Teatro Verdi (Brindisi)

Session