

AGN XVI: A Sea of Discoveries

14–19 June, 2026

Sala Conferenze, Autorità di Sistema Portuale del Mare Adriatico
Meridionale
Piazza Vittorio Emanuele II, 7, 72100 Brindisi BR

Conference Program

Sunday, June 14

- * 18:00 – 20:00: Registration Desk & Welcome Cocktail at Santa Spazio Culturale (Yeahjasi) – Ex convento di Santa Chiara
 - * 18:30 – 19:00: Presentation: EV00S Project (Extra-Virgin Olive Oil in Space) – Featuring Giovanni Ripa (President of Coldiretti Brindisi)
 - * 19:00 – 20:00: Piano Concert: Aksinja Gioia
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Monday, June 15

- * 09:15 – 09:30: Institutional Welcomes – Giuseppe Marchionna (Mayor of Brindisi)
- * 09:30 – 09:45: SEZIONE INAF Università del Salento – Prof. Francesco Strafella
- * 09:45 – 10:15: Opening Remarks – Fabrizio Fiore

-- Scientific Session 1: "Black Hole Accretion and Outflows: Focusing on the physics of accretion disks, the mechanisms driving high-velocity winds, and the geometry of circumnuclear regions"

- * 10:15 – 10:45: R1: "The X-ray Corona and its dependence on AGN Accretion Properties" – Claudio Ricci (25+5)
- * 10:45 – 11:00: C1.1: "Tracing disc-corona coupling and ionising output of quasars across the Lx-Luv plane" – Susanna Bisogni (12+3)
- * 11:00 – 11:30: Coffee Break
- * 11:30 – 11:50: H1: "The Quasar X-ray View at the Epoch of Reionization: Implications for Early Black Hole Accretion, AGN Emissivity, and Future Surveys" – Luca Zappacosta (17+3)
- * 11:50 – 12:05: C1.2: "X-ray Insights into Extreme SMBH Accretion Across Cosmic Time" – Alessia Tortosa (12+3)
- * 12:05 – 12:20: C1.3: "Winds of Change: XRISM-Resolve X-ray spectroscopy of NGC 4051" – Valentina Braito (12+3)
- * 12:20 – 12:35: C1.4: "Cosmic Tides: Relativistic Disk Winds and

the Accretion–Ejection Coupling in AGN" – Francesco Tombesi (12+3)
* 12:35 – 12:50: C1.5: "Unveiling BLR Scale Outflows: Models for the Era of High Resolution X-ray Spectroscopy" – Scott Hagen (12+3)
* 12:50 – 13:05: C1.6: "First time–evolving ionisation analysis of the X-ray spectrum of NGC 4051: energetic, distance and a Broad Line–wind unification scenario" – Alfredo Luminari (12+3)

* 13:05 – 14:30: Lunch Break (Free)

* 14:30 – 14:45: C1.7: "Discovery of ultra–fast outflows with $v_{\text{out}} > 0.3c$ in local, bright AGN" – Laura Borrelli (12+3)

* 14:45 – 15:00: C1.8: "Beyond the dust: probing AGN–driven molecular outflows and phase–dependent extinction in ULIRGs" – Giovanna Speranza (12+3)

* 15:00 – 15:15: C1.9: "Decoupling Line and Continuum Variability: Evidence for Disc Truncation in High–Accretion Quasars" – Chiara Niccolai (12+3)

* 15:15 – 15:30: C1.10: "Directly tracking the accretion disc formation around a supermassive black hole" – Riccardo Middei (12+3)

* 15:30 – 15:45: C1.11: "X–ray polarization in Radio–Quiet AGN: insights from the Wedge Corona model" – Daniele Tagliacozzo (12+3)

* 15:45 – 16:15: Coffee Break

-- Scientific Sessions 7: "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"

* 16:15 – 16:45: R7: "The Formation and Early Growth of Supermassive Black Holes" – Roberto Maiolino (25+5)

-- Scientific Sessions 9: "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"

* 16:45 – 17:05: H9.8: "Millimeter and Infrared Probes of Active Galactic Nuclei: From ALMA to the Future Infrared mission PRIMA" – Francesca Pozzi (17+3)

* 17:05: End of Session

-- Social Event

* 18:30 – 20:00: Brindisi City Tour – Departing from Palazzo Nervegna (Italian & English)

Tuesday, June 16

-- Scientific Session 2: "Relativistic Jets and Particle

Acceleration: Investigating the launching, collimation, and energetic processes within relativistic jets, including their composition and impact"

- * 09:30 – 10:00: R2: "Dynamics, dissipation and emission of relativistic jets: new observational clues and theoretical scenarios" – Fabrizio Tavecchio (25+5)
- * 10:00 – 10:20: H2: "The Accretion-Ejection Mechanism in Low-Power Radio AGN" – Ranieri Baldi (17+3)
- * 10:20 – 10:35: C2.1: "The life cycle of relativistic jets: low-power radio sources in the spotlight" – Monica Orienti (12+3)
- * 10:35 – 10:50: C2.2: "From compact to giant: the lives of radio AGN on the smallest and largest scales" – Kathleen Kelly Lindiwe Charlton (12+3)
- * 10:50 – 11:05: C2.3: "A detailed study of the radio-gamma connection in a large sample of 4LAC AGNs" – Alessandro Paggi (12+3)

* 11:05 – 11:35: Coffee Break

- * 11:35 – 11:50: C2.4: Probing Blazar Jet Geometry with Multiwavelength Polarimetry – Filippo Bolis (12+3)
- * 11:50 – 12:05: C2.5: "Modeling of multi-zone Synchrotron polarization of blazars: insights from new data and connection to particle acceleration" – Andrea Tramacere (12+3)

-- Scientific Session 3: "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"

* 12:05 – 12:35: R3: "Accretion and jets in X-ray binaries" – Sara Motta (25+5)

* 12:35 – 13:05: "Il divario di genere nella scienza" – TBD (25+5)

* 13:05 – 14:30: Lunch Break (Free)

- * 14:30 – 14:50: H3: "Transient Probes of Intermediate-Mass Black Holes: TDEs and QPEs" – Elisa Bortolas (17+3)
- * 14:50 – 15:05: C3.1: "A fundamental plane of black hole accretion in the millimetre" – Ilaria Ruffa (12+3)
- * 15:05 – 15:20: C3.2: "Rising Tides in Active Galaxies: Nuclear Transients and Episodic Activity in NGC 7213, AT2021hdr, and SDSS J1335+0728" – Gabriele Bruni (12+3)
- * 15:20 – 15:35: C3.3: "Feeding a Black Hole with a star: Tidal Disruption Events in the Time Domain Astronomy Golden Age" – Francesca Onori (12+3)
- * 15:35 – 15:50: C3.4: "HLX-1: a TDE on an Intermediate-Mass Black Hole?" – Maya Garbaccio Gili (12+3)

* 15:50 – 16:05: Coffee Break

* 16:05 – 16:20: C3.5: "The Timedomes project: probing AGN populations through legacy optical monitoring campaigns" – Maurizio Paolillo (12+3)

-- Scientific Session 4: "Binary and Dual AGN Systems: Studying the observational signatures, dynamics, and gravitational wave implications of closely separated and merging black hole systems"

* 16:20 – 16:50: R4: "Dual and Binary AGN: observational signatures and connections to Gravitational-Waves" – Paola Severgnini (25+5)

* 16:50 – 17:05: C4.1: "Multiple AGN systems at $z \sim 3$ revealed by JWST/NIRSpec IFU" – Michele Perna (12+3)

* 17:05 – 17:20: C4.2: "Dual AGN and where to find them" – Filippo Mannucci (12+3)

* 17:20: End of Session

-- Social Event

* 18:30 – 20:00: Public Lecture (Palazzo Nervegna) – Prof. Roberto Maiolino

"The birth and evolution of stars, galaxies and black holes through cosmic epochs"

Wednesday, June 17

-- Scientific Session 4: "Binary and Dual AGN Systems: Studying the observational signatures, dynamics, and gravitational wave implications of closely separated and merging black hole systems"

* 09:30 – 09:50: H4: "Gravitational Waves from the Cosmic Dawn: Tracing Cosmic Black Hole Binaries with ET, LGWA and LISA" – Rosa Valiante (17+3)

* 09:50 – 10:05: C4.3: "Dual AGN at Cosmic Noon: Bridging Observations and Theory with the First Statistical Sample" – Martina Scialpi (12+3)

* 10:05 – 10:20: C4.4: "MBH pairs below 100 pc (and more?): toward robust detection strategies" – Fabio Rigamonti (12+3)

* 10:20 – 10:35: C4.5: "Did We Just Confirm a Gravitational Wave Recoiling Black Hole in 3C 186?" – Marco Chiaberge (12+3)

* 10:35 – 10:50: C4.6: "The role of major mergers in triggering super-Eddington accretion" – Riccardo Caleno (12+3)

* 10:50 – 11:15: Coffee Break

* 11:15 – 12:00: Poster Session 1

-- Scientific Session 5: "Multi-Messenger: Leveraging variability studies, gravitational waves, and high-energy neutrinos (multi-messenger astronomy) to understand the immediate vicinity of the central engine"

* 12:00 – 12:30: R5: "Cosmic-Ray Acceleration and Hidden Neutrino

Production in Seyfert Galaxies" – Enrico Peretti (25+5)

* 12:30 – 12:45: C5.1: "A VHE gamma-ray perspective of Neutrino emitting Seyfert candidates" – Sweta Menon (12+3)

* 12:45 – 13:00: C5.2: "All they know is what they are not: the accretion of neutrino-emitting blazars" – Gaia Delucchi (12+3)

* 13:00 – 14:30: Lunch Break (Free)

* 14:30 – 15:00: Poster Session 2

* 15:00 – 15:20 H5: "Extragalactic cosmic rays" – Stefano Gabici (17+3)

-- Scientific Session 6: "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"

* 15:20 – 15:50: R6: "Exploring the impact of (radio) AGN on galactic scales by tracing different phases of the gas" – Raffaella Morganti (25+5)

* 15:50 – 16:20: Coffee Break

* 16:20 – 16:40: H6: "The physical properties, acceleration mechanism and impact of AGN outflows from low to high redshift" – Giovanni Cresci (17+3)

* 16:40 – 16:55: C6.1: "Unveiling the driving mechanism of AGN-driven outflows: a multi-wavelength perspective" – Cosimo Marconcini (12+3)

* 16:55 – 17:10: C6.2: "Disrupting the ISM: How AGN Feedback Reshapes Molecular Gas Clumpiness" – Federico Esposito (12+3)

* 17:10 – 17:25: C6.3: "Unveiling the role of multi-phase AGN outflows with MIRACLE" – Matteo Ceci (12+3)

* 17:25: End of Session

-- Social Event

* 18:30 – Meet at Autorità Portuale to take a boat to Castello Alfonsino

* 19:00 – 20:30: Visit to Castello Alfonsino

* 20:30 – 22:30: Social Dinner at "Al Porticciolo" Restaurant

* 22:30 – Bus back to Autorità Portuale

Thursday, June 18

Late start!

-- Scientific Session 6: "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"

- * 10:00 – 10:15: C6.4: "An HIPER view of AGN feedback on the gas reservoirs at cosmic noon" – Elena Bertola (12+3)
- * 10:15 – 10:30: C6.5: "AGN radiative feedback as the main regulator of [O III] outflow activity and obscuration in X-ray AGN" – Carolina Andonie (12+3)
- * 10:30 – 10:45: C6.6: "Cracking the quasar accretion puzzle: a thin disc and an intrinsically narrow Eddington ratio distribution are enough" – Bartolomeo Trefoloni (12+3)

-- Scientific Session 7: "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"

- * 10:45 – 11:05: H7: "Pushing the redshift frontier: Discovery and Characterization of Quasars at Cosmic Dawn with Euclid" – Silvia Belladitta (17+3)

- * 11:05 – 11:35: Coffee Break

-- Scientific Session 7: "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"

- * 11:35 – 11:50: C7.1: "AGN-heated dust revealed in (most) Little Red Dots" – Ivan Delvecchio (12+3)
- * 11:50 – 12:05: C7.2: "Independent evidence for evolving dark energy from high-redshift AGN probes" – Elisabeta Lusso (12+3)
- * 12:05 – 12:20: C7.3: "High-redshift galaxy ecosystems: multi-phase gas flows and quasar feedback at $z > 6$ " – Manuela Bischetti (12+3)
- * 12:20 – 12:35: C7.4: "GA-NIFS: The cosmic evolution of AGN outflows up to $z \sim 3-6$ with JWST NIRSpec" – Giacomo Venturi (12+3)
- * 12:35 – 12:50: C7.5: "Out of Place: Evidence for an Off-Center Black Hole at $z = 7.2$ " – Sandra Zamora (12+3)
- * 12:50 – 13:05: C7.6: "Early Black Hole Growth via Super-Eddington Accretion: insights from High-Resolution Simulations" – Tommaso Zana (12+3)

- * 13:05 – 14:30: Lunch Break (Free)

-- Social Event

- * 14:30 – Meet at Autorità Portuale to take a bus to Torre Guaceto Nature Reserve (visit & swim)
 - * 15:30 – 19:30: Excursion: Trip to Torre Guaceto Nature Reserve
 - * 20:00 – 22:30: Dinner at "La braceria" (near Torre Guaceto Nature Reserve)
 - * 22:30 – Bus back to Autorità Portuale
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Friday, June 19

-- Scientific Session 8: "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"

* 09:30 – 10:00: R8: "Probing the link between dense environment and SMBH growth at high redshift" – Fabio Vito (25+5)

* 10:00 – 10:20: H8: "The LX-LUV relation in quasars – A New Sample" – Matilde Signorini (17+3)

* 10:20 – 10:35: C8.1: "The "Menu" of SMBHs in the most massive galaxies: hot, warm, or cold gas?" – Francesco Ubertosi (12+3)

* 10:35 – 10:50: C8.2: "Quantifying the AGN enhancement in $z > 2$ protoclusters" – Monica Natalia Isla Llave (12+3)

* 10:50 – 11:05: C8.3: "Black Hole Growth in the Densest Regions of the Universe: AGN activity in protoclusters from Cosmic dawn to the present days" – Alberto Traina (12+3)

* 11:05 – 11:35: Coffee Break

* 11:35 – 11:50: C8.4: "First results from the Study of Quasar Environment at Early- z Epochs (SQUEEzE)" – Virginia Lucia Cavicchi (12+3)

* 11:50 – 12:05: C8.5: "HIDE AND SEEK: cosmic evolution of the ISM and its implications for nuclear obscuration" – Lucia Fiorani (12+3)

* 12:05 – 12:20: C8.6: "Bridging the gap: AGN feedback GPU-accelerated simulations from micro to macro scales" – Vieri Cammelli (12+3)

* 12:20 – 12:35: C8.7: "X-ray AGN in protoclusters of galaxies" – Paolo Tozzi (12+3)

-- Scientific Session 9: "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"

* 12:35 – 12:55: H9.1: "The AGN content in eRASS/DR1 and eRASS/DR2" – Mara Salvato (17+3)

* 12:55 – 13:15: H9.2: "The sharp high energy sky seen by XRISM" – Elisa Costantini (17+3)

* 13:15 – 14:30: Lunch Break (Free)

* 14:30 – 14:50: H9.3: "Investigating AGN in the SKA Era" – Isabella Prandoni (17+3)

* 14:50 – 15:10: H9.4: "NewAthena" – Luigi Piro (17+3)

* 15:10 – 15:30: H9.5: "KM3NeT/ARCA: status, recent results and perspectives for AGN studies" – Simone Biagi (17+3)

* 15:30 – 15:50: H9.6: "The IXPE revolution in AGN: from the hot

corona to the torus" – Vittoria Elvezia Gianolli (17+3)

* 15:50 – 16:10: H9.7: "The Cherenkov Telescope Array Observatory and its gamma-ray view on Active Galactic Nuclei" – Giacomo Bonnoli (17+3)

* 16:10 – 16:30: Closing Remarks – Andrea Merloni

* 16:30: End of Session

-- Social Event

* 21:00 – 22:30: Teatro Scienza Special Event – "Crazy Space" – Teatro Verdi (Brindisi)
