

Active Galactic Nuclei XIV: The Renaissance of Black Holes and Galaxies



Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome - Elisabeta Lusso, Sofia Randich, Guido Risaliti, Paolo Tozzi

Monday, May 23, 2022 2:30 PM (15 minutes)

Contribution ID: 2

Type: **not specified**

Ivan Delvecchio: Coevolution of galaxies and AGN (Review Talk)

Monday, May 23, 2022 2:45 PM (30 minutes)

Review Talk

Contribution ID: 3

Type: **not specified**

Viola Allevato (INAF-Bologna): Building robust AGN mock catalogs to unveil BH evolution and for survey planning

Monday, May 23, 2022 3:15 PM (15 minutes)

Contribution ID: 4

Type: **not specified**

**Antonio Pensabene (Univ. Milano Bicocca,
INAF-Bologna): Unveiling the multiphase ISM of $z>6$
quasar host galaxies with ALMA and NOEMA**

Monday, May 23, 2022 3:30 PM (15 minutes)

Contribution ID: 5

Type: **not specified**

Paola Marziani (INAF-Padova): The main sequence of quasars: the taming of the viewing angle

Monday, May 23, 2022 3:45 PM (15 minutes)

Contribution ID: 6

Type: **not specified**

Olena Torbaniuk (Univ. Napoli Federico II): The connection between star-formation rate and BH accretion in the local Universe

Monday, May 23, 2022 4:00 PM (15 minutes)

Contribution ID: 7

Type: **not specified**

Alberto Traina (Univ. Bologna): Tracing SMBH accretion density and star formation rate density through cosmic time: the ALMA view from the A3COSMOS survey

Monday, May 23, 2022 4:15 PM (15 minutes)

Contribution ID: 8

Type: **not specified**

Silvia Bonoli (Donostia International Physics Center): From the nuclei of dwarf galaxies to the rarest quasars: modeling black holes across a wide range of scales

Monday, May 23, 2022 5:00 PM (15 minutes)

Contribution ID: 9

Type: **not specified**

**Marika Lepore (INAF-Arcetri): AGN activity and
mass assembly in the dense environment of
XDCPJ0044.0-2033**

Monday, May 23, 2022 5:15 PM (15 minutes)

Contribution ID: **10**

Type: **not specified**

Elena Dalla Bontà (Univ. Padova): Deriving black hole masses in quasars and AGN

Monday, May 23, 2022 5:30 PM (15 minutes)

Contribution ID: 11

Type: **not specified**

Federico Lelli (INAF-Arcetri): The WISDOM project: measuring black hole masses and AGN feeding with molecular gas dynamics

Monday, May 23, 2022 5:45 PM (15 minutes)

Contribution ID: 12

Type: **not specified**

Quirino D'Amato (SISSA - Trieste): The turbulent youth of a proto-cluster at $z = 1.7$

Monday, May 23, 2022 6:00 PM (15 minutes)

Contribution ID: 13

Type: **not specified**

Sarah White (Univ. Rhodes) - The G4Jy Sample – the brightest radio galaxies in the southern sky

Monday, May 23, 2022 6:15 PM (15 minutes)

Contribution ID: 14

Type: **not specified**

Alessandra De Rosa: The quest for dual and binary supermassive black holes at the dawn of the multi-messenger era (Review Talk)

Tuesday, May 24, 2022 9:00 AM (30 minutes)

Contribution ID: 15

Type: **not specified**

Filippo Mannucci (INAF-OAA): Uncovering the missing population of dual AGNs with Gaia

Tuesday, May 24, 2022 9:30 AM (15 minutes)

Contribution ID: 16

Type: **not specified**

Cristina Nanci (Univ. Bologna): The parsec-scale view of candidate-neutrino-emitter blazars

Tuesday, May 24, 2022 9:45 AM (15 minutes)

Contribution ID: 17

Type: **not specified**

Paolo Padovani (ESO): Might only extremely rare blazars be IceCube neutrino sources?

Tuesday, May 24, 2022 10:00 AM (15 minutes)

Contribution ID: 18

Type: **not specified**

Simona Paiano (INAF-Palermo): Optical spectroscopy of blazar neutrino candidates

Tuesday, May 24, 2022 10:15 AM (15 minutes)

Contribution ID: 19

Type: **not specified**

Gianluca Castignani (Univ. Bologna): Confirming the powerful radio loud QSO 3C186 as a gravitational wave recoiling black hole

Tuesday, May 24, 2022 10:30 AM (15 minutes)

Contribution ID: 20

Type: **not specified**

Lumen Boco (SISSA-Trieste): Growth of SMBH heavy seeds

Tuesday, May 24, 2022 10:45 AM (15 minutes)

Contribution ID: 21

Type: **not specified**

Francesco Massaro (Università Torino): Dragon's Lair: On the Large-scale Environment of BL Lac

Tuesday, May 24, 2022 11:30 AM (15 minutes)

Contribution ID: 22

Type: **not specified**

Izzy Garland (Lancaster Univ.): Bar-driven fuelling as a means of merger-free supermassive black hole growth

Tuesday, May 24, 2022 11:45 AM (15 minutes)

Contribution ID: 23

Type: **not specified**

**Vittoria Zanchettin (SISSA - Trieste): The impact of
AGN activity in nearby Seyfert galaxies: high
resolution study of the multiphase ISM with MUSE,
ALMA and JVLA**

Tuesday, May 24, 2022 12:00 PM (15 minutes)

Contribution ID: 24

Type: **not specified**

Milena Valentini (Univ. Munich): Host galaxies of high-redshift quasars: SMBH growth and feedback

Tuesday, May 24, 2022 12:15 PM (15 minutes)

Contribution ID: 25

Type: **not specified**

**Andrea Travascio (Università Milano Bicocca):
Unprecedented High-Resolution View of the
co-spatial Ionised and Molecular Outflows in PDS 456**

Tuesday, May 24, 2022 12:30 PM (15 minutes)

Contribution ID: 26

Type: **not specified**

**Bartolomeo Trefoloni (Università di Firenze):
Understanding the nature of X-ray weakness: the
case of the most luminous blue quasars at $z \sim 3$**

Tuesday, May 24, 2022 12:45 PM (15 minutes)

Contribution ID: 27

Type: **not specified**

**Enrico Piconcelli: The bright end of the AGN
luminous function: the realm of highly-luminous and
highly-accreting quasars (Review Talk)**

Tuesday, May 24, 2022 2:30 PM (30 minutes)

Contribution ID: 28

Type: **not specified**

Tommaso Treu (UCLA): Estimating black hole mass and the structure of the broad line region from velocity resolved reverberation mapping

Tuesday, May 24, 2022 3:00 PM (15 minutes)

Contribution ID: 29

Type: **not specified**

Susanna Bisogni (INAF-Milano): The Lx-Luv relation (and its “outsiders”) in quasars

Tuesday, May 24, 2022 3:15 PM (15 minutes)

Contribution ID: **30**

Type: **not specified**

Marisa Brienza (Univ. Bologna): The duty cycle of AGN jets in the SKA era

Tuesday, May 24, 2022 3:30 PM (15 minutes)

Contribution ID: 31

Type: **not specified**

**Elena Bannikova (Inst. of Radio Astronomy,
Ucraina): Dynamical model of obscuring clumpy tori
in AGNs: interpretation of ALMA observations**

Tuesday, May 24, 2022 3:45 PM (15 minutes)

Contribution ID: 32

Type: **not specified**

Marco Berton (ESO): A new puzzle: absorbed jets in active galaxies Narrow-line Seyfert 1

Tuesday, May 24, 2022 4:00 PM (15 minutes)

Contribution ID: 33

Type: **not specified**

Elisabetta Liuzzo (INAF-Bologna): Active Galactic Nuclei with the Event Horizon Telescope

Tuesday, May 24, 2022 4:15 PM (15 minutes)

Contribution ID: 34

Type: **not specified**

Alessia Tortosa (Univ. Diego Portales): Systematic broad-band X-ray study of extreme accretion onto supermassive black holes

Tuesday, May 24, 2022 5:00 PM (15 minutes)

Contribution ID: 35

Type: **not specified**

**Marcello Giroletti (INAF-Bologna): A
multi-instrument view of the black hole and the
relativistic jet in M87**

Tuesday, May 24, 2022 5:15 PM (15 minutes)

Contribution ID: 36

Type: **not specified**

Francesco Ursini (Univ. Roma Tre): Constraining AGN coronae with spectropolarimetry

Tuesday, May 24, 2022 5:30 PM (15 minutes)

Contribution ID: 37

Type: **not specified**

Roberto Serafinelli (INAF-Roma): Observing the coldest hot coronae of AGN with NuSTAR

Tuesday, May 24, 2022 5:45 PM (15 minutes)

Contribution ID: 38

Type: **not specified**

Eleonora Puzzoni (Univ. Torino): The role of magnetic reconnection on particle acceleration in relativistic jets

Tuesday, May 24, 2022 6:00 PM (15 minutes)

Contribution ID: 39

Type: **not specified**

Gabriele Matzeu (Univ. Bologna): Supermassive Black Hole Winds in X-rays

Tuesday, May 24, 2022 6:15 PM (15 minutes)

Contribution ID: 40

Type: **not specified**

Barbara de Marco: Variable and transient X-ray phenomena in AGN (Review Talk)

Wednesday, May 25, 2022 9:00 AM (30 minutes)

Contribution ID: 41

Type: **not specified**

Dragana Ilic (University of Hamburg, University of Belgrade): Preparing for the analysis of AGN light curves in the LSST era

Wednesday, May 25, 2022 9:30 AM (15 minutes)

Contribution ID: 42

Type: **not specified**

Fabio Vito (INAF-Bologna): A remarkably X-ray and UV variable QSO at Cosmic Dawn

Wednesday, May 25, 2022 9:45 AM (15 minutes)

Contribution ID: 43

Type: **not specified**

Alfredo Luminari (INAF-Roma): Modeling of time variable X-ray outflows

Wednesday, May 25, 2022 10:00 AM (15 minutes)

Contribution ID: 44

Type: **not specified**

Giustina Vietri (INAF-Roma): Discovery of variable, powerful UV ultra-fast outflows in QSOs at cosmic noon.

Wednesday, May 25, 2022 10:15 AM (15 minutes)

Contribution ID: 45

Type: **not specified**

Marco Laurenti (INAF-Roma, Univ.Roma Tor Vergata): X-HESS: a new sample of highly accreting serendipitous AGN studied with XMM-Newton

Wednesday, May 25, 2022 11:00 AM (15 minutes)

Contribution ID: 46

Type: **not specified**

Luigi Pacciani (INAF-Roma): Waiting times between Gamma-ray flares of Flat Spectrum Radio Quasars, and constraints on emission models

Wednesday, May 25, 2022 11:15 AM (15 minutes)

Contribution ID: 47

Type: **not specified**

Giorgio Lanzuisi (INAF-Bologna): Nuclear and large scale outflows in IRAS F11119+3257

Wednesday, May 25, 2022 11:30 AM (15 minutes)

Contribution ID: 48

Type: **not specified**

**Cristiana Spingola (INAF-Bologna): The radio VLBI
view of the outstanding gamma-ray flare of the
lensed blazar PKS 1830-211**

Wednesday, May 25, 2022 11:45 AM (15 minutes)

Contribution ID: 49

Type: **not specified**

Francesca Panessa (INAF-IAPS): Radio variability in Radio Quiet AGN

Wednesday, May 25, 2022 12:00 PM (15 minutes)

Contribution ID: 50

Type: **not specified**

Maurizio Paolillo (Univ. Federico II Napoli): Constraining the (universal) form of the AGN X-ray power spectrum

Wednesday, May 25, 2022 12:15 PM (15 minutes)

Contribution ID: 51

Type: **not specified**

Riccardo Middei (Space Science Data Center (ASI)/INAF-Roma): ESO511-G030 and its extreme variability: on the verge of changing look?

Wednesday, May 25, 2022 12:30 PM (15 minutes)

Contribution ID: 52

Type: **not specified**

Posters - Flash presentations

Wednesday, May 25, 2022 12:45 PM (15 minutes)

Contribution ID: 53

Type: **not specified**

Roberto Decarli: Let the games begin: Black holes populate the early Universe (Review Talk)

Thursday, May 26, 2022 9:00 AM (30 minutes)

Contribution ID: 54

Type: **not specified**

Giada Bargiacchi (Scuola Superiore Meridionale, Napoli) - Quasars as high-redshift cosmological probes

Thursday, May 26, 2022 9:30 AM (15 minutes)

Contribution ID: 55

Type: **not specified**

Roberta Tripodi (Univ. Trieste) - High-resolution gas and dust of the first QSOs

Thursday, May 26, 2022 9:45 AM (15 minutes)

Contribution ID: 56

Type: **not specified**

**Nico Cappelluti (Univ. Miami) - Exploring the
high-redshift PBH-LambdaCDM Universe: early
black hole seeding, the first stars and cosmic
radiation backgrounds**

Thursday, May 26, 2022 10:00 AM (15 minutes)

Contribution ID: 57

Type: **not specified**

Fabio Fontanot (INAF-Trieste) - Eddington accreting Black Holes in the Epoch of Reionization

Thursday, May 26, 2022 10:15 AM (15 minutes)

Contribution ID: 58

Type: **not specified**

Tullia Sbarrato (INAF-Brera) - How to build the early monster black holes: put jets in your toolbox!

Thursday, May 26, 2022 11:00 AM (15 minutes)

Contribution ID: 59

Type: **not specified**

Matilde Signorini (Univ.Firenze) - A tight(er) Lx-Luv relation: most suitable proxies and causes of dispersion

Thursday, May 26, 2022 11:15 AM (15 minutes)

Contribution ID: 60

Type: **not specified**

Luca Zappacosta (INAF-Roma) - HYPERION Year One: an X-ray preview of titan QSOs at the Reionization Epoch

Thursday, May 26, 2022 11:30 AM (15 minutes)

Contribution ID: 61

Type: **not specified**

Alessandro Trinca (Univ. Roma Sapienza) - The low-end of the black hole mass function at cosmic dawn

Thursday, May 26, 2022 11:45 AM (15 minutes)

Contribution ID: 62

Type: **not specified**

Fabio Di Mascia (Scuola Normale Superiore, Pisa) - AGN imprints on the IR emission of galaxies at the Epoch of Reionization: AGN imprints

Thursday, May 26, 2022 12:00 PM (15 minutes)

Contribution ID: 63

Type: **not specified**

Silvia Belladitta (INAF-Milano) - PSOJ0309+27, the first blazar in the reionization era

Thursday, May 26, 2022 12:15 PM (15 minutes)

Contribution ID: 64

Type: **not specified**

Marco Mignoli (INAF-Bologna) - Web of the giant: a large-scale structure around the $z = 6.31$ quasar SDSS J1030+0524

Thursday, May 26, 2022 12:30 PM (15 minutes)

Contribution ID: 65

Type: **not specified**

Posters - Flash presentations

Thursday, May 26, 2022 12:45 PM (15 minutes)

Contribution ID: **66**

Type: **not specified**

Posters - Flash presentations

Thursday, May 26, 2022 4:15 PM (15 minutes)

Contribution ID: 67

Type: **not specified**

Giovanni Cresci (INAF-OAA): The MAGNUM Survey

Thursday, May 26, 2022 2:45 PM (15 minutes)

Contribution ID: 68

Type: **not specified**

**Blessing Musiimenta (Univ. Bologna) - A new
discovery space opened by eROSITA: I. Ionised AGN
outflows from eFEDS selected samples**

Thursday, May 26, 2022 3:00 PM (15 minutes)

Contribution ID: 69

Type: **not specified**

Anna Feltre (INAF-Bologna): AGN nebular emission: from UV to IR

Thursday, May 26, 2022 3:15 PM (15 minutes)

Contribution ID: 70

Type: **not specified**

Luca Foffano (INAF-Roma): The MAGIC view of extreme blazars

Thursday, May 26, 2022 3:30 PM (15 minutes)

Contribution ID: 71

Type: **not specified**

Gabriele Bruni (INAF-Roma): Characterizing the Gamma-ray sky with new generation radio survey: the emerging population of radio galaxies

Thursday, May 26, 2022 3:45 PM (15 minutes)

Contribution ID: 72

Type: **not specified**

Giovanni Mazzolari (Univ. Bologna): Hidden Supermassive Black Holes in the Deep Universe

Thursday, May 26, 2022 4:00 PM (15 minutes)

Contribution ID: 73

Type: **not specified**

Alessandro Peca (Univ. Miami): X-ray spectral analysis of the 31.3 deg² Stripe 82X: AGN properties and cosmic evolution

Thursday, May 26, 2022 5:00 PM (15 minutes)

Contribution ID: 74

Type: **not specified**

Francesco Salvestrini (INAF-Arcetri): Unveiling Compton-thick AGN with NuSTAR and mid-IR observation

Thursday, May 26, 2022 5:15 PM (15 minutes)

Contribution ID: 75

Type: **not specified**

Ivano Saccheo (Univ. Roma Tre): Mean SED of hyper-luminous QSOs

Thursday, May 26, 2022 5:30 PM (15 minutes)

Contribution ID: 76

Type: **not specified**

Alice Deconto Machado (Inst. de Astrofísica de Andalucía): The Main Sequence of quasars at high redshift

Thursday, May 26, 2022 5:45 PM (15 minutes)

Contribution ID: 77

Type: **not specified**

Alessandro Paggi (INAF-Torino): X-ray Surveying Radio-Loud AGNs and their Large Scale Environments: First Results From B2CAT

Thursday, May 26, 2022 6:00 PM (15 minutes)

Contribution ID: 78

Type: **not specified**

Debora Sijacki: Feeding the monsters: the powerful impact of supermassive black holes on their environments (Review Talk)

Friday, May 27, 2022 9:00 AM (30 minutes)

Contribution ID: 79

Type: **not specified**

Federica Ricci (Univ. Roma Tre): Molecular outflows and gas content of two obscured AGN at the golden epoch of galaxy evolution

Friday, May 27, 2022 9:30 AM (15 minutes)

Contribution ID: **80**

Type: **not specified**

Stefano Carniani (Scuola Normale Superiore): Discovery of both self-gravitating and dissolving molecular clouds in a galactic wind

Friday, May 27, 2022 9:45 AM (15 minutes)

Contribution ID: **81**

Type: **not specified**

Manuela Bischetti (INAF-Torino): Suppression of black-hole growth by strong outflows at redshifts 5.8-6.6

Friday, May 27, 2022 10:00 AM (15 minutes)

Contribution ID: 82

Type: **not specified**

Giulia Tozzi (Univ. Firenze): Linking galaxy-scale winds with nuclear ultra-fast outflows from low to high redshift

Friday, May 27, 2022 10:15 AM (15 minutes)

Contribution ID: 83

Type: **not specified**

**Elena Bertola (Univ. Bologna): Tracing AGN
feedback at cosmic noon: the molecular view of
KASHz AGN**

Friday, May 27, 2022 11:00 AM (15 minutes)

Contribution ID: **84**

Type: **not specified**

Ranieri Baldi (INAF-Bologna): LeMMINGS: the eMERLIN radio legacy survey of nearby galaxies

Friday, May 27, 2022 11:15 AM (15 minutes)

Contribution ID: 85

Type: **not specified**

Cosimo Marconcini (Università di Firenze): Accurate determination of outflow physical properties: a new approach to kinematical modeling

Friday, May 27, 2022 11:30 AM (15 minutes)

Contribution ID: 86

Type: **not specified**

Giorgia Peluso (INAF-Padova): Exploring the AGN-Ram pressure stripping connection in local clusters

Friday, May 27, 2022 11:45 AM (15 minutes)

Contribution ID: 87

Type: **not specified**

Giacomo Venturi (PUC, Chile): AGN feedback from galactic ionised outflows and low-power jets from VLT/MUSE

Friday, May 27, 2022 12:00 PM (15 minutes)

Contribution ID: **88**

Type: **not specified**

**Carolina Andonie (Durham University):
Fundamental differences between obscured and
unobscured IR quasars in the COSMOS field**

Friday, May 27, 2022 12:15 PM (15 minutes)

Contribution ID: 89

Type: **not specified**

Federico Esposito (Università di Bologna): AGN impact on molecular gas in the galactic centers as probed by CO lines

Friday, May 27, 2022 12:30 PM (15 minutes)

Contribution ID: **90**

Type: **not specified**

Posters - Flash presentations

Thursday, May 26, 2022 6:15 PM (15 minutes)

Contribution ID: **91**

Type: **not specified**

Elisabeta Lusso (Univ.Firenze): Concluding remarks

Friday, May 27, 2022 12:45 PM (15 minutes)