

# 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, 23 May 2022 14:30 (15 minutes)*

Contribution ID: 2

Type: **not specified**

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

*Monday, 23 May 2022 14:45 (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, 23 May 2022 15:15 (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, 23 May 2022 15:30 (15 minutes)*

Contribution ID: 5

Type: **not specified**

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

*Monday, 23 May 2022 15:45 (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, 23 May 2022 16:00 (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, 23 May 2022 16:15 (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, 23 May 2022 17:00 (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, 23 May 2022 17:15 (15 minutes)*

Contribution ID: **10**

Type: **not specified**

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

*Monday, 23 May 2022 17:30 (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, 23 May 2022 17:45 (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, 23 May 2022 18:00 (15 minutes)*

Contribution ID: 13

Type: **not specified**

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

*Monday, 23 May 2022 18:15 (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, 24 May 2022 09:00 (30 minutes)*

Contribution ID: 15

Type: **not specified**

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

*Tuesday, 24 May 2022 09:30 (15 minutes)*



Contribution ID: 16

Type: **not specified**

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

*Tuesday, 24 May 2022 09:45 (15 minutes)*

Contribution ID: 17

Type: **not specified**

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

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

Contribution ID: 18

Type: **not specified**

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

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

Contribution ID: 20

Type: **not specified**

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

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

Contribution ID: 21

Type: **not specified**

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

*Tuesday, 24 May 2022 11:30 (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, 24 May 2022 11:45 (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, 24 May 2022 12:00 (15 minutes)*



Contribution ID: 24

Type: **not specified**

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

*Tuesday, 24 May 2022 12:15 (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, 24 May 2022 12:30 (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, 24 May 2022 12:45 (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, 24 May 2022 14:30 (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, 24 May 2022 15:00 (15 minutes)*

Contribution ID: 29

Type: **not specified**

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

*Tuesday, 24 May 2022 15:15 (15 minutes)*

Contribution ID: 30

Type: **not specified**

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

*Tuesday, 24 May 2022 15:30 (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, 24 May 2022 15:45 (15 minutes)*



Contribution ID: 32

Type: **not specified**

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

*Tuesday, 24 May 2022 16:00 (15 minutes)*

Contribution ID: 33

Type: **not specified**

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

*Tuesday, 24 May 2022 16:15 (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, 24 May 2022 17:00 (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, 24 May 2022 17:15 (15 minutes)*

Contribution ID: 36

Type: **not specified**

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

*Tuesday, 24 May 2022 17:30 (15 minutes)*

Contribution ID: 37

Type: **not specified**

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

*Tuesday, 24 May 2022 17:45 (15 minutes)*

Contribution ID: 38

Type: **not specified**

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

*Tuesday, 24 May 2022 18:00 (15 minutes)*

Contribution ID: 39

Type: **not specified**

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

*Tuesday, 24 May 2022 18:15 (15 minutes)*



Contribution ID: 40

Type: **not specified**

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

*Wednesday, 25 May 2022 09:00 (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, 25 May 2022 09:30 (15 minutes)*

Contribution ID: 42

Type: **not specified**

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

*Wednesday, 25 May 2022 09:45 (15 minutes)*

Contribution ID: 43

Type: **not specified**

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

*Wednesday, 25 May 2022 10:00 (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, 25 May 2022 10:15 (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, 25 May 2022 11:00 (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, 25 May 2022 11:15 (15 minutes)*

Contribution ID: 47

Type: **not specified**

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

*Wednesday, 25 May 2022 11:30 (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, 25 May 2022 11:45 (15 minutes)*

Contribution ID: 49

Type: **not specified**

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

*Wednesday, 25 May 2022 12:00 (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, 25 May 2022 12:15 (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, 25 May 2022 12:30 (15 minutes)*

Contribution ID: 52

Type: **not specified**

## Posters - Flash presentations

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

Contribution ID: 53

Type: **not specified**

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

*Thursday, 26 May 2022 09:00 (30 minutes)*

Contribution ID: 54

Type: **not specified**

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

*Thursday, 26 May 2022 09:30 (15 minutes)*

Contribution ID: 55

Type: **not specified**

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

*Thursday, 26 May 2022 09:45 (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, 26 May 2022 10:00 (15 minutes)*

Contribution ID: 57

Type: **not specified**

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

*Thursday, 26 May 2022 10:15 (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, 26 May 2022 11:00 (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, 26 May 2022 11:15 (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, 26 May 2022 11:30 (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, 26 May 2022 11:45 (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, 26 May 2022 12:00 (15 minutes)*

Contribution ID: 63

Type: **not specified**

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

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

Contribution ID: 65

Type: **not specified**

## Posters - Flash presentations

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

Contribution ID: **66**

Type: **not specified**

## **Posters - Flash presentations**

*Thursday, 26 May 2022 16:15 (15 minutes)*

Contribution ID: 67

Type: **not specified**

## **Giovanni Cresci (INAF-OAA): The MAGNUM Survey**

*Thursday, 26 May 2022 14:45 (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, 26 May 2022 15:00 (15 minutes)*

Contribution ID: 69

Type: **not specified**

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

*Thursday, 26 May 2022 15:15 (15 minutes)*

Contribution ID: 70

Type: **not specified**

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

*Thursday, 26 May 2022 15:30 (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, 26 May 2022 15:45 (15 minutes)*



Contribution ID: 72

Type: **not specified**

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

*Thursday, 26 May 2022 16:00 (15 minutes)*

Contribution ID: 73

Type: **not specified**

## **Alessandro Peca (Univ. Miami): X-ray spectral analysis of the 31.3 deg<sup>2</sup> Stripe 82X: AGN properties and cosmic evolution**

*Thursday, 26 May 2022 17:00 (15 minutes)*

Contribution ID: 74

Type: **not specified**

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

*Thursday, 26 May 2022 17:15 (15 minutes)*

Contribution ID: 75

Type: **not specified**

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

*Thursday, 26 May 2022 17:30 (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, 26 May 2022 17:45 (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, 26 May 2022 18:00 (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, 27 May 2022 09:00 (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, 27 May 2022 09:30 (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, 27 May 2022 09:45 (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, 27 May 2022 10:00 (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, 27 May 2022 10:15 (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, 27 May 2022 11:00 (15 minutes)*

Contribution ID: 84

Type: **not specified**

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

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

Contribution ID: 86

Type: **not specified**

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

*Friday, 27 May 2022 11:45 (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, 27 May 2022 12:00 (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, 27 May 2022 12:15 (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, 27 May 2022 12:30 (15 minutes)*

Contribution ID: **90**

Type: **not specified**

## **Posters - Flash presentations**

*Thursday, 26 May 2022 18:15 (15 minutes)*

Contribution ID: **91**

Type: **not specified**

## **Elisabeta Lusso (Univ.Firenze): Concluding remarks**

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