

9-12 October, 2018 - Acquario Civico di Milano, Viale Gadio 2, Milano

AGN 13: Beauty and the Beast - Scientific Programme

TUESDAY, 9th OCTOBER

09:00 - REGISTRATION OPEN

(Open from 9:00 to 15:00 on Tuesday and Wednesday and from 9:00 to 12:00 on Thursday and Friday)

10:00 - Welcome coffee

11:00 - WELCOME: *G. Tagliaferri & G. Ghisellini*

11:15 - 12:00 - GRAVITATIONAL WAVES (*Chair: G. Ghisellini*)

- 11:15 - *Coealescing black holes in the cosmic landscape* - *Monica Colpi* (INVITED)

- 11:45 - *AGN outflows in the emission-line region of the gravitational wave recoiling black hole candidate 3C 186* - *Marco Chiaberge*

12:00 - 13:00 - THE NON THERMAL WORLD: MULTI-MESSENGER AND JETS (*Chair: G. Ghisellini*)

- 12:00 - *Ultra High Energy Cosmic Rays and the Highest Energies Universe* - *Roberto Aloisio* (INVITED)

- 12:30 - *High-energy neutrinos from blazars* - *Fabrizio Tavecchio* (INVITED)

13:00 - 14:30 – Lunch

14:30 - 16:00 - THE NON THERMAL WORLD: MULTI-MESSENGER AND JETS (*Chair: M. Giroletti*)

- 14:30 - *Blazars as neutrinos factories* - *Chiara Righi*

- 14:45 - *Hunting for extreme blazars in the TeV band* - *Luca Foffano*

- 15:00 - *The Cherenkov Telescope Array view of some peculiar AGN classes* - *Marco Landoni*

- 15:15 - *Jetted Active Galactic Nuclei* - *Luigi Foschini*

- 15:30 - *Exploring the the radio and GeV-TeV gamma-ray connection in the different blazar sub-classes* - *Rocco Lico*

- 15:45 - *Disc-jet coupling in AGN* - *Francesca Panessa*

16:00 - 16:30 - Coffee break

16:30 - 17:45 - THE NON THERMAL WORLD: MULTI-MESSENGER AND JETS (*Chair: A. Capetti*)

- 16:30 - *LeMMINGS: the eMERLIN radio legacy survey of nearby galaxies* - *Ranieri Baldi*

- 16:45 - *On the connection between large-scale radio morphology and nuclear accretion in the hybrid population of FR II-low-excitation radio galaxies* - *Duccio Macconi*

- 17:00 - *Probing restarting activity in soft gamma-ray selected giant radio galaxies* - *Gabriele Bruni*

- 17:15 - *The MURALES survey: a MUse RAdio Loud Emission lines Snapshot* - *Barbara Balmaverde*

- 17:30 – 17:45 - *The environmental properties of radio AGN* - *Manuela Magliocchetti*

21:00 - CONFERENZA PUBBLICA: Neutrini al bagno - Chiara Righi (Acquario Civico di Milano)

WEDNESDAY, 10th OCTOBER

9:00 - 10:30 - CENTRAL ENGINE AND CIRCUM-NUCLEAR REGIONS (Chair: A Comastri)

- 9:00 - *The physics of ionized gas in agn: testing predictions from first principles* - Stefano Bianchi (INVITED)
- 9:30 - *Estimating the coronal parameters in AGN with MoCA* - Riccardo Middei
- 9:45 - *Coronal parameters in Seyfert galaxies: the NuSTAR view and the future IXPE perspectives* - Alessia Tortosa
- 10:00 - *Relativistic accretion disks* - Samuele Campitiello
- 10:15 - *The high-energy view of Seyfert galaxies through broad-band monitoring campaigns* - Francesco Ursini

10:30 - 11:00 - Coffee break

11:00 - 12:45 - CENTRAL ENGINE AND CIRCUM-NUCLEAR REGIONS (Chair: P. Severgnini)

- 11:00 - *Weighting a beast: how to measure the mass of an accreting Super Massive Black Hole?* - Giorgio Calderone (INVITED)
- 11:30 - *How does the host galaxy affect the BH viral mass estimates?* - Ludovica Varisco
- 11:45 - *Orientation effects on quasars SED: the torus IR emission* - Susanna Bisogni
- 12:00 - *When an AGN has a crush...on a model* - Fabrizio Nicastro
- 12:15 - *A deep NuSTAR view of the buried AGN in NGC 1068* - Alessandra Zaino
- 12:30 - *Disclosing the properties of low-redshift, kpc-scale dual AGN through XMM-Newton and SDSS spectroscopy*
- Alessandra De Rosa

12:45 - 14:30 - Lunch

14:30 - 16:00 - SMBH, HOST GALAXY AND SCALING RELATIONS (Chair: G. Rodighiero)

- 14:30 - *The relation between supermassive black holes and their host galaxies* - Alessandro Marconi (INVITED)
- 15:00 - *Black Hole Masses from Reverberation* - Elena Dalla Bonta`
- 15:15 - *Probing the AGN/galaxy coevolution in the widest dynamical range ever* - Federica Duras
- 15:30 - *AGN host galaxies scaling relations* - Chiara Feruglio
- 15:45 - *The ALMA view of the high redshift relation between Supermassive Black Holes and their Host Galaxies* –
Antonio Pensabene

16:00 - 16:30 - Coffee break

16:30 - 17:30 - SMBH, HOST GALAXY AND SCALING RELATIONS (Chair: F. La Franca)

- 16:30 - *The molecular gas content in obscured AGN at $z > 1$* - Michele Perna
- 16:45 - *The hosts of obscured AGN at redshift > 2.5 in the CDF-S: the ALMA view* - Quirino D'Amato
- 17:00 - *The J1030 deep survey: an INAF legacy field for AGN* - Roberto Gilli
- 17:15 – 17:30 - *Dependence of equivalent width of quasar emission lines on UV spectral index, quasar luminosity and BH mass* - Olena Torbaniuk

20:00 - SOCIAL DINNER - "El Brellin" Restaurant (Vicolo dei Lavandai Alzaia Naviglio Grande, 14, Milano)

THURSDAY, 11th OCTOBER

9:00 - 10:30 - SMBH, HOST GALAXY AND SCALING RELATIONS (Chair: M. Paolillo)

- 9:00 - *Understanding AGN evolution with large (X-ray) surveys: current constraints and prospects for eROSITA* - Andrea Merloni (INVITED)
- 9:30 - *AGN in Brightest Cluster Galaxies* - Paolo Tozzi
- 9:45 - *Probing clustering of x-ray agn using chandra cosmos legacy* - Viola Allevato
- 10:00 - *SMBH accretion properties of radio-selected AGN out to $z=4$* - Ivan Delvecchio
- 10:15 - *Giant Lyman alpha nebulae around hyperluminous BAL quasars* - Andrea Travascio

10:30 - 11:00 - Coffee break

11:00 - 12:45 - OUTFLOWS AND FEEDBACK PROCESSES (Chair: C. Cicone)

- 11:00 - *AGN feedback in the form of powerful outflows* - Marcella Brusa (INVITED)
- 11:30 - *Mapping supermassive black hole winds, from the event horizon up to galaxy scales* - Francesco Tombesi
- 11:45 - *Exceptional ALMA look at the anatomy of a luminous quasar host* - Enrico Piconcelli
- 12:00 - *Photoevaporation of molecular clumps in quasar outflows* - Davide Decataldo
- 12:15 - *The AGN fueling/feedback cycle: a multi-phase study of a sample of local radio galaxies* - Ilaria Ruffa
- 12:30 - *Two-Face(s): ionized and neutral galactic winds in the local Universe* - Alice Concas

12:45 - 14:30 - Lunch

14:30 - 16:00 - OUTFLOWS AND FEEDBACK PROCESSES (Chair: G. Cresci)

- 14:30 - *AGN negative and positive feedback: theory and observational evidence* - Roberto Maiolino (INVITED)
- 15:00 - *Outflows vs star formation in nearby AGN from the MAGNUM survey* - Giacomo Venturi
- 15:15 - *AGN-driven outflows in the early Universe* - Stefano Carniani
- 15:30 - *BLR vs NLR winds in the most luminous quasars* - Giustina Vietri
- 15:45 - *Ionised outflows in $z \sim 6$ QSOs are there. Investigating AGN-feedback and host galaxy properties in very luminous high-redshift QSOs* - Manuela Bischetti

16:00 - 16:30 - Coffee break

16:30 - 17:30 - COSMOLOGY AND HIGH-REDSHIFT (Chair: G. Risaliti)

- 16:30 - *Quasars at the dawn of cosmic time* - Roberto Decarli (INVITED)
- 17:00 - *The X-ray/UV luminosities relation in high-redshift quasars and its use for cosmology* - Francesco Salvestrini
- 17:15 - 17:30 - *Discovery of a 4σ deviation from the Concordance Model of Cosmology using the Hubble Diagram of Quasars* - Elisabetta Lusso

20:00 - TRADITIONAL FOOTBALL MATCH (Contact point Alberto Moretti)

FRIDAY, 12th OCTOBER

9:00 - 10:30 - COSMOLOGY AND HIGH-REDSHIFTS (Chair: F. Haardt)

- 9:00 - *The prodigious history of the first SMBHs and their host galaxies: Gargantua and Pantagruel at cosmic dawn* - Raffaella Schneider (INVITED)
- 9:30 - *The relative contribution of AGNs and star-forming galaxies to reionization* - Fabio Fontanot
- 9:45 - *How to assemble extremely massive black holes in a very short quasar life-time* - Tullia Sbarrato
- 10:00 - *DES0141-54: the most radio-loud quasar at high redshift ($z=5$)* - Sivia Belladitta

10:15 – 10:45 - Coffee break

10:45 - 11:15 - COSMOLOGY AND HIGH-REDSHIFT (Chair: S. Gallerani)

- 10:45 - *The X-ray properties of $z\sim 6$ quasars* - Riccardo Nanni
- 11:00 - *The early growth of super-massive black holes as seen by Chandra* - Fabio Vito

11:15 - 12:15 - BEAUTY AND THE BEAST (Chair: R. Schneider)

Marta Volonteri & Fabrizio Fiore

12:15 - 12:45 - CONCLUDING REMARKS (G. Ghisellini)