

Supermassive Black holes Environment & Evolution, Corfu 19-11 June 2019 (Venue Rectory House, Ionian University)

Programme

Tuesday

18.00-20.00 Registration

20.00-21.00 Welcome Reception

Wednesday (AGN demographics and evolution)

Chair - A. Comastri

08.15-08.45 Registration

08.45-09.00 Introductory Talk

09.00-09.25 J. Aird (Review) - The demographics and evolution of AGN from multiwavelength surveys

09.25-09.40 T. Ananna – The Stripe 82

09.40-09.55 J. Buchner - What makes clumpy obscuration and X-ray occultation events?

09.55-10.10 M. Jones - A universal mode of BH accretion uncovering AGN in the Cosmic X-ray background

10.10-10.25 T. Kawamuro - A Chandra and ALMA Study of X-ray-irradiated Gas in the Central ~100 pc of the Circinus Galaxy

10.25-10.40 U. Banik - Constraining the mass density of free-floating black holes using razor-thin lensing arcs

10.40-11.00 Coffee Break

11.00-11.20 E. Giallongo (Invited)

11.20-11.35 I. Zaw - A Uniformly Selected, All-Sky, Optical AGN Catalog

11.35-11.50 L. Zappacosta - The realm of hyperluminous quasars

11.50-12.05 R. Pfeifle - New Results from Chandra: The Incidence of Dual AGNs in Mergers

12.05-12.20 Y. Diaz - Constraining X-ray reflection in the low luminosity AGN NGC3718 with NuSTAR and XMM-Newton

12.20-12.35 P. Rodriguez Hidalgo - (Extremely!) High Velocity Outflows

12.35-13.00 SHORT CONTRIBUTIONS

D. Xu - SBS 1411+533: a New “Changing-look” Quasar with a “Turn-on” Transition

L. Alegre - Classification of radio sources with LOFAR

J Cann - The Hunt for Intermediate Mass Black Holes in the JWST Era

13.00-14.00 LUNCH BREAK

Chair – T.J. Turner

14.00-14.25 G. Lanzuisi (review)

14.25-14.40 K. Ichikawa - IR View of X-ray AGN: The Covering Factor of Gas and Dust in Swift/BAT AGN^[1]_{SEP}

14.40-14.55 K. Birchall - X-ray Selected AGN in Dwarf Galaxies

14.55-15.10 C. Carroll – An extreme population of heavily obscured AGN

15.10-15.25 S. Amaratidis - The first Super Massive Black Holes: indications from models for future observations

15.25-15.45 D. Alexander (Solicited) – AGN activity in our cosmic backyard: obscuration and identification challenges

15.45-16.10 Coffee Break

16.10-16.30 C. Ricci (Solicited) - Galaxy mergers and obscured black hole growth, an hard X-ray view

16.30-16.45 C. Vignali - The X-ray view of the Jackpot Nebula at $z=2$: an amazing source overdensity and extended emission revealed in X-rays
 16.45-17.00 Y. Toba - Physical properties of luminous radio galaxies at $0 < z < 1.7$ selected with Subaru Hyper Suprime-Cam and VLA FIRST survey
 17.00-17.15 R. Arcodia - Testing the disk-corona interplay in radiatively-efficient broad-line AGN
 17.15-17.30 G. Risaliti - Quasars as standard candles
 17.40-17.45 A. Masini - The Chandra Deep Wide Field Survey: pushing deeper the central 6 deg^2 of the Bootes field
 17.45-18.00 E. Pouliaxis - Robust Identification of AGN through HST Optical Variability in GOODS-S: Comparison with the X-ray and mid-IR Selected Samples
17.50-18.20 SHORT CONTRIBUTIONS
 T. Mufakharov – Multifrequency study of the GPS-sources
 S. Belladitta - An extremely X-ray weak blazar at $z=5.0$
 L. Ge - Bayesian Hierarchical Method of AGN X-ray Spectral Fitting
 C. Spencer - Measuring Black Hole Masses in Active Galactic Nuclei from Time Resolved Observations with the 1m Nickel Telescope of Lick Observatory
 Y. Bhulla –

Thursday (AGN environment)

Chair- F. Nicastro

09.00-09.25 V. Allevato (review) - The interplay between SMBHs and the large-scale structure of the Universe
 09.25-09.45 N. Schartel (solicited) – 20 years of XMM: The contribution of XMM Newton to the study of AGN
 09.45-10.00 G. Mountrichas - The dependence of the X-ray AGN clustering on the properties of the host galaxy
 10.00-10.15 E. Iani
 10.15-10.30 C. Villforth - Fuelling AGN - the impact of mergers on luminous unobscured AGN and reddened AGN with powerful outflows
 10.30-10.45 K. Mehrgan - The dynamical imprint of a 40-billion-solar-mass supermassive Black Hole in Holm15A

10.45-11.05 Coffee Break

11.05-11.25 M. Powell (invited) - Clustering of Hard X-ray-selected AGN
 11.25-11.40 G. Vergara - Clustering of galaxies around $z \sim 4$ quasars
 11.40-11.55 C. Wethers - Testing the Evolutionary Picture of LoBALs: Star Formation Rates and Environments.
 11.55-12.10 E. Koulouridis – X-ray AGN in galaxy clusters
 12.10-12.25 B. Davis - Black Hole Mass Scaling Relations for Spiral Galaxies
 12.25-12.40 C. Marsden - Towards creating robust AGN mock catalogue

12.40-13.00 Short Contributions

Z. Chen - Size and Structure Evolution of Massive Galaxies Over $0.5 < z < 2.5$
 V. Mahatma - Spectral Ageing in powerful radio galaxies
 A. Viitanen

S. Ciprini - The binary supermassive black hole conjecture for two jetted gamma-ray blazars

13.00-14.00 LUNCH BREAK

Chair – V. Allevato

14.00-14.25 F. Nicastro (review) - The Universe's Missing Baryon Mass
 14.25-14.45 M. Hirschmann (solicited) – Co-evolution of galaxies & black holes: New insights from cosmological, hydrodynamical simulations

14.45-15.00 D. Angles-Alcazar - Cosmological hyper-refinement simulations of AGN fueling and feedback

15.00-15.15 J. Kotilainen - Black hole – galaxy co-evolution at high- z

15.15-15.30 O. Catmabacak - Effect of early environment and mergers on SMBH growth in FIRE simulations

15.30-15.45 G. Khorunzhev - X-ray Luminosity Function of Quasars at $3 < z < 5$ from the XMM-Newton Serendipitous Survey. Search for optically bright quasars at $z > 5.5$

15.45-16.10 Coffee break

16.10-16.30 D. Kocevski (Solicited) - Elevated Black Hole Growth in the Progenitors of Compact Quiescent Galaxies at $z=2$

16.30-16.45 C. Mazzuchelli - The Environments of $z \sim 6$ QSOs : a Multiwavelength Perspective

16.45-17.00 L. Bassini - Black hole mass and cluster mass correlation in cosmological hydro-dynamical simulations

17.00-17.15 V. Marian - The connection between major mergers and high-accretion AGNs at $z \sim 2$

17.15-17.30 A. Efthymiadou - The influence of galaxy mergers on the star formation history of luminous AGN

17.30-17.45 L. Fan - Multiwavelength view of hyperluminous dust-obscured quasars at cosmic noon

17.45-18.00 A. Pecca - Obscured AGN in the field of J1030+0524: the X-ray and optical/infrared perspective

18.00-18.30 Short contributions

Z. Ghaffari - Evolution of galaxy overdensities around 3C radio galaxies and quasars at $1 < z < 2.5$

H. Mishra - Active galactic nuclei fraction in X-ray selected clusters and fields from $z=0-0.5$: AGN activity dependence on environment and redshift

M.B. Stone - Observational studies of low-redshift AGN environments and high-redshift AGN-host co-evolution

K. Whalen - Finding the First Quasars with JWST, Euclid and WFIRST

S. Sonkamble - Supermassive black holes in the peculiar galaxy cluster Abell 2626

M. Lazarova - Are LoBAL QSOs short-lived, sporadic episodes of AGN activity?

Friday (Feedback , Black Hole growth in the context of galaxy evolution)

Chair – D. Alexander

09.00-09.25 C. Harrison (review) – Relating SMBH growth with galaxy evolution

09.25-09.40 R. Carraro - Co-evolution of black hole accretion and star formation in galaxies

09.40-09.55 W. V. Yan - Chandra Observations of the Extended Fe K α Line in galaxies with High SFR

09.55-10.10 R. Weinberger - Feedback from active galactic nuclei in galaxy and galaxy cluster evolution - lessons learned from simulations

10.10-10.25 K. Hall - Probing quasar feedback with the Sunyaev-Zel'dovich Effect

10.25-10.45 Coffee

10.45-11.05 T.J. Turner (Solicited) - An occultation event in NGC 3227

11.05-11.20 E. Nardini - Towards an informed quest of quasar accretion disc winds

11.20 -11.35 Y. Guo - Extended metal line emissions around quasars at $z \sim 3$ and implications for galaxy feedback

11.35-11.50 R. Alexandroff - Multi-wavelength studies of feedback processes in extremely red quasars

11.50-12.05 M. Bischetti - The gentle monster PDS456 seen by ALMA: the galaxy-scale molecular outflow and its implication for AGN feedback

- 12.05-12.20 R. Gilli - Galaxy formation promoted by large scale AGN feedback in a protocluster at $z=1.69$
12.20-12.35 F. Duras - Expanding our knowledge of the AGN/galaxy coevolution through the widest dynamical range ever

12.35-13.00 Short Contributions

- B. Avramov - Dynamical Interaction and Energy Exchange of Stars with a Massive Black Hole Binary
I Katkov - Optical and radio view on the two AGN-driven outflow galaxies
K A Cutiva - A possible correlation between the BLR and star formation rate in AGNs
I Palit - Effects of adiabatic index on the sonic surface and time variability of low angular momentum accretion flows

13.00-14.00 LUNCH BREAK

Chair – M. Brusa

- 14.00-14.25 R. Schneider (Invited) – To grow or not to grow: constraints on early black hole formation
14.25-14.40 M. Bourne - AGN jet feedback in realistic cluster environments
14.40-14.55 E. Choi - Metal in winds: the chemical enrichment by AGN-driven galactic outflows
14.55-15.10 A. Ferre-Mateu - Do massive relic galaxies challenge the SMBH-galaxy coevolution?
15.10-15.25 A. Fluetsch - Ionised gas outflow in local ULIRGs with MUSE: Outflows and Positive Feedback

15.25-15.45 Coffee Break

- 15.45-16.00 V. Bennert
16.00-16.15 L. Grimmert - Revealing the differences in the SMBH accretion rate distributions of starburst and non starburst galaxies
16.15-16.30 A. Bongiorno - The role of AGN activity in the building up of the BCG of the most massive galaxy cluster at $z=1.6$
16.30-16.45 C. Feruglio - AGN feeding & feedback in 3D
16.45-17.00 E. Bernhard - The distribution of AGN host SFR: more powerful AGNs typically reside in more MS- like star-forming galaxies
17.00-17.15 M. Ginolfi - Exploring AGN-feedback on circumgalactic scales with MUSE
17.15-17.30 V. Masoura - The dependence of star formation on AGN activity
17.30-17.45 F. Muller-Sanchez - Feeding and Feedback in Dual Active Galactic Nuclei

17.45-18.15 Short Contributions

- D. May - The striking resemblance between the outflows of NGC 4151 and NGC 1068
A. Travascio - Evidence of outflowing CGM: broad Ly α and CIV extended emissions around an hyper-luminous quasar
A. Robleto-Orus - A MUSE study of the Seyfert 1 NGC7469: spatially resolved star-formation and AGN-driven winds
D. Sanmartim - Analysis of feedback and its impact on star formation in nearby post-starbursts quasars

SATURDAY (Large Surveys & missions (solicited talks session))

Chair – G. Risaliti

- 09.00- 09.25 A. Comastri (Ending Review Talk) - Future SMBH surveys
09.25- 09.45 A. Georgakakis eROSITA
09.45-10.05 M. Plionis The XMM/XXL survey legacy

High Redshift Universe

- 10.05-10.25 D. Whalen (solicited) - Finding the First Quasars with JWST, Euclid and WFIRST
10.25-10.45 R. Decarli (invited)

10.45-11.10 Coffee break

11.10-11.25 F. Vito (solicited) - The X-ray properties of $z > 6$ QSOs

11.25-11.40 N. Cappelluti - High- z AGN search with Chandra and XMM and next decade efforts

11.40-11.55 R. Nanni - The X-ray properties of the $z \sim 6$ quasars

11.55-12.10 M. Sidhu - Obscured Black Hole Growth in the Early Universe

12.10-12.25 F. Koliopanos - Searching for the seeds of supermassive black holes

12.25-12.40 R. Serafinelli - Searching for supermassive black hole binaries with sub-pc separations in the hard X-rays

12.40-13.00 Short Presentations

F. Ricci - Stormy weather in 3C 196.1: an hybrid radio galaxy shaping its environment up to 100s kpc scale

E. McGrath - The Prevalence of Massive Quiescent Disks in the Early Universe

A. Ruiz -

M. Sobolewska - Understanding evolution of radio galaxies through X-ray study of youngest extragalactic radio jets

13.00-14.00 Lunch Break**Chair – J. Aird**

14.00-14.20 E. Lusso (Invited) - Tension with the LCDM model from a Hubble diagram of quasars

14.20-14.35 J. Scholtz - Do powerful AGN really suppress star formation?

14.35-14.50 L. Klindt - Fundamental differences between red and blue quasars

14.50-15.05 G. Canalizo - The title is “AGN-driven outflows in dwarf galaxies”

15.05-15.20 T. Schmidt - Mapping Quasar Light Echoes in 3D with Ly α Forest Tomography

15.20- 15.35 G. Venturi - Dissecting ionized galactic outflows in nearby AGN

15.35-16.00 F. Fiore (Ending Summary Talk) SMBH Feedback