

QUASARS AT ALL COSMIC EPOCHS

PADOVA
2-7 APRIL 2017

CONFERENCE PROGRAM

April 2, 2017

18:00 Welcome reception

April 3, 2017 Day 1, morning Topic A – *Chaired by:* Bozena CZERNY

08:45 Welcome address

09:00 Quasars at all wavelengths and from all angles – Paolo PADOVANI (Invited)

09:30 Gaia space mission and quasars – Tomaz ZWITTER

09:50 The deepest radio view of Quasars in the COSMOS field: a two-fold population – Ivan DELVECCHIO

10:10 Submillimetre observations of WISE-selected high-redshift, luminous AGN and their surrounding overdense environments – Suzy JONES

10:30 Coffee break

11:00 Multiple frequency databases for AGN investigation: results and perspectives – Giovanni LA MURA

11:20 What we talk about when we talk about blazars? – Luigi FOSCHINI

11:40 The optical view of extragalactic gamma-ray emitters – Simona PAIANO

12:00 Complete Infrared View of the 70 Month Swift/BAT AGN Catalog – Kohei ICHIKAWA

12:20 Pair-matching of radio-loud and radio-quiet AGNs – Dorota KOZIEŁ-WIERZBOWSKA

12:40 Free time

April 3, 2017 Day 1, afternoon Topic A – *Chaired by:* Dawei XU

- 14:20** Welcome address by the Director of the Padova Observatory
- 14:30** Feeding of Supermassive Black Holes – from the accretion disk to hundred parsec scales, – Thaisa STORCHI-BERGMANN (Invited)
- 15:00** Highly accreting quasars at high redshift, Mary Loli MARTÍNEZ-ALDAMA
- 15:20** Long-term monitoring of the broad-line region in a selected sample of AGN – Dragana ILIC
- 15:40** Variability of the AGN Broad Line Region in the context of Eigenvector 1 – Natasa BON
- 16:00** Reverberation Mapping of High-z, High-luminosity Quasars – Paulina LIRA
- 16:20** Coffee break
- 16:50** Results From Reverberation Mapping of High Luminosity Quasars – Shai KASPI
- 17:10** Reverberation Mapping of AGN Accretion Disks – Michael FAUSNAUGH
- 17:30** The first spectroscopic dust reverberation program on AGN – Hermine LANDT
- 17:50** Velocity-Delay Maps of the Broad Line Region in NGC 5548 – Keith HORNE
- 18:10** C IV Broad Absorption Line Variability in QSO Spectra – Demetra DE CICCO
- 18:30** Periodic variability patterns in AGN – Edi BON

April 4, 2017 Day 2 morning Topic A, B, C – *Chaired by:* Paola MARZIANI

- 08:45** The AGN nature of LINER nuclear sources – Isabel MARQUEZ (Invited)
- 09:15** Looking for the dusty torus in quasars – Mariela MARTÍNEZ PAREDES
- 09:35** The spectrum of hot dust in luminous quasars – Antonio HERNAN-CABALLERO
- 09:55** The mean star-formation rates of unobscured QSOs: searching for evidence of suppressed or enhanced star formation – Flora STANLEY
- 10:15** Accretion and ejection in AGN: the X-ray and radio perspective – Francesca PANESSA
- 10:35** Coffee break
- 11:05** Quasar Physics from Spectral Energy Distributions – Gordon RICHARDS (Invited)
- 11:35** What we can (still) learn from the non-linear X-ray to UV relation in AGN – Elisabetta LUSSO
- 11:55** Dust in the wind – a new paradigm for the dust emission in AGN – Sebastian HOENIG
- 12:15** Quasars shine longer than 25 Myr - A Statistical lifetime constraint from the Hell Transverse Proximity Effect – Tobias SCHMIDT
- 12:35** BLR winds in hyper-luminous quasars – Giustina VIETRI

12:55 Free time

April 4, 2017 Day 2 afternoon Topic A, B, C – *Chaired by:* Deborah DULTZIN

- 14:30 The AGN as a Protostar – Moshe ELITZUR (Invited)
- 15:00 The self-consistent dynamical model of the Broad Line Region – Bozena CZERNY
- 15:20 Planting seeds for gravitational wave generators around active galactic nuclei: Analog of planetary systems around massive black holes. – Douglas LIN
- 15:40 Inflow and Outflow in the Broad Line Region – Anna PANCOAST
- 16:00 Jet physics of accreting super-massive black holes in the Fermi era – Filippo D'AMMANDO
- 16:20 The physical parameters of jets - the non-uniform transversal model. – Elena NOKHRINA
- 16:40 Coffee break
- 17:10 Two mass independent Eddington ratio distribution functions regulate black hole growth of blue and red galaxies in the local Universe – Anna WEIGEL
- 17:30 High accretion rate AGN: Can theory, observations and simulations agree on the basic physics driving thin and slim accretion discs? – Nuria CASTELLO-MOR
- 17:50 A model for periodic balzars – Emanuele SOBACCHI
- 18:10 Making Low-mass Supermassive Blackhole Spin – Jing WANG
- 18:30 Inferring physical properties of $z \sim 6$ quasars from mm and X-ray observations – Simona GALLERANI
- 18:50 An X-ray/SDSS sample: multiphase outflow incidence, Dependence on AGN luminosity, and PLASMA properties – Michele PERNA

April 5, 2017 Day 3 Topic C – *Chaired by:* Mauro D'ONOFRIO

- 08:45 A main sequence for quasars – Paola MARZIANI (Invited)
- 09:15 The virial factor and biases in Single Epc Black Hole Mass determination – Julian MEJIA-RESTREPO *Speaker: Paulina LIRA*
- 09:35 The Optical Fundamental Plane of black hole activity – Payaswini SAIKIA
- 09:55 Black Hole mass scaling relations: the case of local AGN2 – Eleonora SANI
- 10:15 New constraints on the black hole spin in radio-loud quasars – Andreas SCHULZE
- 10:35 Coffee break
- 11:05 Ultraviolet/optical emission of the ionised gas in AGN: diagnostics of the ionizing source and gas properties – Anna FELTRE
- 11:25 The relationship between Mg II broad emission and quasar inclination angle – Conor WILDY

- 11:45** New constraints on quasar broad absorption and emission line regions from microlensing – Damien HUTSEMEKERS
- 12:05** Polarization of broad lines in AGNs and black hole mass estimation – Djordje SAVIC
- 12:25** The nature of Intermediate Line Region (ILR) in AGN – Tek Prasad ADHIKARI
- 12:45** *General discussion chaired by Deborah DULTZIN*
- 13:05** Free afternoon
- 20:00** Conference dinner

April 6, 2017 Day 4, morning Topic D – *Chaired by: Françoise COMBES*

- 08:35** Low redshift QSO environments – Daniela BETTONI
- 08:55** The host galaxies of AGN with powerful relativistic jets – Jari KOTILAINEN
- 09:15** Resolving the stars, dust and molecular gas on 100 pc-scales in quasar host galaxies with with gravitational lensing – John MCKEAN
- 09:35** A Relation between Star-Formation and Accretion Luminosities of Infrared-Luminous Galaxies in the COSMOS Field – Kenta MATSUOKA
- 09:55** Tracing the external origin of the AGN gas fuelling reservoir – Sandra RAIMUNDO
- 10:15** The two missing parameters in AGN Unification – Beatriz VILLARROEL
- 10:35** Coffee break
- 11:05** The most powerful AGNs reside in the most strongly star-forming galaxies. – Emmanuel BERNHARD
- 11:25** Gravitational lensing reveals extreme star formation in quasar host galaxies – Hannah STACEY
- 11:45** On the frequency of star-forming galaxies in the vicinity of powerful AGNs, Judit FOGASY
- 12:05** Large-scale environments of narrow-line Seyfert 1 galaxies – Emilia JÄRVELÄ
- 12:25** Fast-growing SMBHs in Fast-growing Galaxies, at $z \sim 5$: the Role of Major Mergers as Revealed by ALMA – Benny TRAKHTENBROT
- 12:45** X-ray AGN in the XXL survey galaxy clusters – Elias KOULOURIDIS
- 13:05** Free time

April 6, 2017 Day 4, afternoon Topic D – *Chaired by: Luka POPOVIĆ*

- 14:30** The many routes to AGN feedback – Raffaella MORGANTI (Invited)
- 15:00** The Origin of the Black Hole Mass Scaling Relations – Vardha N. BENNERT
- 15:20** Delayed or no feedback? connection between AGN outflows and star formation – Jong-Hak WOO

- 15:40** AGN feedback and its quenching efficiency – Françoise COMBES
- 16:00** Negative and positive outflow-feedback in nearby (U)LIRGs – Sara CAZZOLI
- 16:20** An infrared view of AGN feedback in a type-2 quasar: ionized, coronal and molecular phase – Cristina RAMOS ALMEIDA
- 16:40** Coffee break
- 17:10** Fast outflows and star formation quenching in quasar host galaxies – Stefano CARNIANI
- 17:30** How quasar feedback may shape the co-evolutionary paths – Wako ISHIBASHI
- 17:50** Supermassive black holes at the end of the cosmic dark ages: Insights from a sample of 15 quasars at $z > 6.5$ – Chiara MAZZUCHELLI
- 18:10** Exploring the consequences of selection effects in black hole-galaxy evolution studies – Mackenzie JONES
- 18:30** TBD *Poster prize winners*

April 7, 2017 Day 5 Topic E – *Chaired by:* Gordon RICHARDS

- 08:45** A New Cosmological Distance Measure Using AGN X-Ray Variability – Fabio LA FRANCA (Invited)
- 09:15** Quasars as cosmological standard candles – Alenka NEGRETE
- 09:35** A Hubble Diagram for Quasars – Guido RISALITI *Speaker: Susanna BISOGNI*
- 09:55** Big and young SMBHs in the early Universe – Tullia SBARRATO
- 10:15** The first black holes: constraints from deep fields and quasar surveys – Kevin SCHAWINSKI
- 11:35** Coffee break
- 11:05** From the first stars to the first quasars – Rosa VALIANTE
- 11:25** Probing the early Universe with sub-millimeter observations of extremely luminous QSOs – Amy KIMBALL
- 11:45** The first detection of cosmic reionization from QSO spectra – Andrei MESINGER
- 12:15** Conference summary – Hagai NETZER
- 12:35** *General discussion chaired by* Hagai NETZER