Mapping Central Regions of Active Galactic Nuclei

Thursday, 19 September 2019 - Tuesday, 24 September 2019

Guilin Bravo Hotel (桂林宾馆)

Scientific Programme

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Sep 18th 09:00-20:00 Registration

16:00-18:00 Reception

Sep 19th

Session 1

Chair: Keith Horne

08:10-08:30

Opening Remark

08:30-09:00

Bradley Peterson (Invited):
Reverberation Mapping: The Present and the Future

09:00-09:30

Eckhard Sturm (Invited):
Directly Resolving the Inner Structures of AGN with GRAVITY

09:30-09:50

Yu-Yang Songsheng:
Joint Analysis of GRAVITY and Reverberation Mapping of 3C 273

09:50-10:30

Workshop Photo and Coffee Break

10:30-11:00

Pu Du (Invited):
Reverberation Mapping of AGNs with High Accretion Rates

11:00-11:30

Michael Brotherton (Invited):
Monitoring of AGNs with Hβ Asymmetry using the Wyoming Infrared Observatory

11:30-12:00

Jonathan Trump (Invited):
SDSS-RM and the Industrial-Scale Future of Echo Mapping

12:00-12:20

Shai Kaspi:
Reverberation Mapping of Highly Luminous AGNs

12:20-14:00

Lunch

Session 2

Chair: Shai Kaspi

14:00-14:30

Andrew Fabian (Invited):
Relativistic Reverberation of Fe Kα X-ray Line Emission in AGN

14:30-15:00

Bin Luo:
X-ray and Multiwavelength Properties of RM SEAMBHs

15:00-15:20

Chen Hu:
Two components of BLR in PG 0026+129 from a RM campaign

15:20-15:40

Catalina Sobrino Figaredo:
Hα, Paα and Dust Reverberation Mapping of 3C 273

15:40-16:00

Federico Vincentelli:
The Lag vs Energy Dependence of Mkn 110 from UV to Near IR

16:00-16:20

Coffee Break

16:20-16:50

Aaron Barth (Invited):
Lag or No Lag? The Problem of Detection Significance in Reverberation Mapping

16:50-17:20

Paulina Lira (Invited):
TBD

17:20-17:40

Hojin Cho:
10,000 Solar Mass Black Hole in a Dwarf Galaxy NGC 4395

17:40-18:00

Zhi-Xiang Zhang:
10-yr RM observation of 3C 273

18:00-18:20

Kai-Xing Lu:
AGN with Ultra-fast Outflows Monitoring Project: The BLR of Mrk79 Probably Originates from Multiphase Disk Winds

18:20-20:00

Dinner

Sep 20th

Session 3

Chair: Sarah Gallagher

08:30-09:00

Sebastian Hoenig (Invited):
Dust Reverberation Mapping of AGN

09:00-09:30

Takeo Minezaki (Invited):
The Dust Reverberation of AGNs and Its Applications

09:30-09:50

Bella Boulderstone:
Dusty Echoes of Nearby AGN

09:50-10:10

Triana Almeyda:
Modeling the Nuclear Dust Emission Reverberation Response in AGN

10:10-10:30

Coffee Break

10:30-11:00

Tamara Davis (Invited):
Reverberation Mapping with the Australian Dark Energy Survey (OzDES)

11:00-11:30

Martin Ward (Invited):
Spectroscopic dust reverberation mapping in NGC5548: implications for the structure of the torus

11:30-11:50

Michael Hlabathe:
Reverberation Mapping of the Seyfert 1 Galaxy 3C 120

11:50-12:10

Wei-Hao Bian:
Calibration of the virial factor f in supermassive black hole masses of reverberation-mapped AGNs

12:10-12:30

Jacob McLane:
Selected Results from the Monitoring of AGNs with Hβ Asymmetry Campaign

12:30-14:00

Lunch

Session 4

Chair: Eckhard Sturm

14:00-14:30

Gerard Kriss (Invited):
X-ray and UV Monitoring Campaigns Reveal the Structure and Dynamics of AGN BLRs and Obscuring Outflows

14:30-14:50

Sarah Gallagher:
Tracing Supermassive Black Hole Growth with Next-Generation Telescopes

14:50-15:10

Ming Xiao:
A High-quality Velocity-delay Map of the BLR in NGC 5548

15:10-15:30

Hartmut Winkler:
RM of AGN with Super-Eddington Accreting Massive Black Holes at the South African Astronomical Observatory

15:30-15:50

Roman Uklein:
Photometric Reverberation Mapping of AGNs at z=0.1-0.8

15:50-16:10

Zhefu Yu:
On Reverberation Mapping Lag Uncertainties

16:10-16:30

Coffee break

16:30-17:00

Yan-Rong Li (Invited):
BLR Modeling in Reverberation Mapping

17:00-17:30

Christian Knigge (Invited):
Reverberation Mapping of Disk Winds of AGNs

17:30-17:50

Peter Williams:
Modeling the Broad Emission Line Region Structure and Dynamics using Reverberation Mapping Data

17:50-18:10

Andjelka Kovacevic:
Mapping Dynamics of the Broad Line Region

18:10-20:00

Dinner

Sep 21th

Session 5

Chair: Aaron Barth

08:30-09:00

Ian McHardy (Invited):
X-ray/UV/optical Variability of AGN

09:00-09:30

Omer Blaes (Invited):
Radiation MHD Simulations of the Structure and Variability of Luminous AGN Accretion Disks

09:30-10:00

Edward Cackett (Invited):
Multi-wavelength Reverberation Mapping: from X-rays to Near-IR

10:00-10:30

Coffee Break

10:30-11:00

Keith Horne (Invited):
Variability Probes of AGN Disc Temperature Profiles

11:00-11:20

Yasaman Homayouni:
Mapping the Growth of Supermassive Black Holes

11:20-11:40

Ji-Jia Tang:
Rapid Black Hole Growth at the Dawn of the Universe: A Super-Eddington Quasar at z=6.6

11:40-12:00

Viraja Khatu:
Weighing 1000 Supermassive Black Holes with CASTOR

12:00-14:00

Lunch

Session 6

Chair: Ari Laor

14:00-14:30

Frederick Hamann (Invited):
Outflows and Physical Conditions in Quasar Broad Emission/Absorption Line Regions

14:30-15:00

Luka Popovic (Invited):
Resolving the Broad Line Region Characteristics using Spectropolarimetry of Type 1 Active Galactic Nuclei

15:00-15:20

Dragana Ilic:
Long-term Optical Variability of AGN - Exploring the Physics of the BLR

15:20-15:40

Wenda Zhang:
Probing the Bardeen-Petterson effect in TDEs with Iron Line Reverberation Mapping

15:40-16:00

Ella Guise:
Infrared Lags from Dust and the Jet: VEILS Observations of a Flat-Spectrum Radio Source

16:00-16:20

Coffee Break

16:20-16:40

Amit Kumar Mandal:
Echo mapping of Active Galactic Nuclei

16:40-17:00

Ning Jiang:
Pc-scale Dust Around Quiescent and Active SMBHs Revealed by Infrared Echoes of TDEs

17:00-17:20

Xinwen Shu:
Radio Emission from Galaxies with Nuclear MIR Outbursts Revealed with WISE

17:20-17:40

Liming Dou:
Learning Geometry of Torus from the IR Echo of a UV Flare

17:40-18:00

Mariela Martinez Paredes:
A Deep Infrared View on the Properties of the Nuclear (< 1 kpc) Emission of Local Quasars (z<0.1)

19:00-21:00

Banquet

Sep 22th: Group Discussion

RM observation, etc.

Sep 23th

Session 7

Chair: Jonathan Trump

08:30-09:00

Paola Marziani (Invited):
The Main Sequence of Quasars and its Potential for Cosmology

09:00-09:20

Ari Laor:
Can the BLR Reside at the Inner Accretion Disk?

09:20-09:40

Swayamtrupta Panda:
Explaining the High Accretors from Photoionisation Modelling

09:40-10:00

Jinyi Shangguan:
BLR Modelling from Near-IR Interferometry, and the Hot Dust Size — AGN Luminosity Relation

10:00-10:30

Coffee Break

10:30-11:00

Marianne Vestergaard (Invited):
Determination of AGN Black Hole Masses across Cosmic Time

11:00-11:20

Sandra Raimundo:
Modelling the broad Line Region using Single-Epoch Spectra

11:20-11:40

Mary Loli Martinez Aldama:
Reverberation-measured AGN as Cosmological Standard Candles

11:40-12:00

Umang Malik:
Australian Dark Energy Survey Reverberation Mapping Program

12:00-12:20

Jennifer Li:
Black Hole and Host Galaxy Relation at z~0.5

12:20-14:00

Lunch

Session 8

Chair: Bozena Czerny

14:00-14:30

Rick Edelson (Invited):
Intensive Accretion Disk Reverberation Mapping with Swift

14:30-15:00

Doron Chelouche (Invited):
Sizing Up the Continuum Emitting Regions in Quasars

15:00-15:30

Chris Done (Invited):
Where is the disc in AGN?

15:30-15:50

Ra' ad Mahmoud:
Investigating the UV/X-ray Relation in NGC 4151

15:50-16:20

Coffee Break

16:20-16:50

Xinyu Dai (Invited):
Quasar Microlensing Constraints on AGN Structure, Black Hole Spins, and Discrete Lens Population

16:50-17:10

Lukas Ledvina:
Microlensing of X-ray Lines from the Central Regions of Quasars

17:10-17:30

Yongquan Xue:
UV/Optical Stochastic Variability as a Probe of Quasar Physics

17:30-17:50

Zhen-Yi Cai:

Exploring the X-ray/UV/Optical Continuum Lag in Active Galactic Nuclei: without Light Echoing

17:50-18:10

Mayukh Pahari:
Modelling the Flux-dependent X-ray Phase Lag Spectra in AGN: Evidence for Rapid Coronal Change

18:10-20:00

Dinner

Sep 24th

Session 9

Chair: Marianne Vestergaard

08:30-08:50

Wolfram Kollatschny
Optical/X-ray Variations of the Changing Look AGN HE1136-2304 and NGC 1566

08:50-09:10

Mitsuru Kokubo
Rapid Luminosity Decline and Subsequent Reformation of the Innermost Dust Distribution

in the Changing-look AGN Mrk 590

09:10-09:30

Zhenfeng Sheng
Discovery of Changing-look AGNs via MIR variability

09:30-09:50

Yanli Ai
A Multi-Wavelength Study of the Changing-Look Seyfert Galaxy SDSSJ1552+2737

09:50-10:10

Chichuan Jin
Multi-wavelength Observations of the Super-Eddington Accretion Flow in Narrow-line Seyfert 1 Galaxies

10:10-10:30

Jin Zhang
Radiation Properties of the Jets in AGNs: from the Core to Extended Regions

10:30-11:00

Coffee Break

11:00-11:30

Hagai Netzer
Summary

11:30-11:50

Bradley Peterson
Closing Remarks

12:00-14:00

Lunch

14:00-17:00

Group Discussion

Poster

Shumpei Nagoshi

The Ability of Seimei 3.8m Telescope in Japan

Rumen Bachev

Deterministic Chaos in the X-ray Light Curve of IRAS 13224-3809

Mitsuru Kokubo

Constraints on Accretion Disk Size in the Massive Type 1 Quasar PG 2308+098 from Optical Continuum Reverberation Lags

Max Beard

Measuring X-ray to UV/Optical Time Lags in the Low-Mass AGN NGC 4395

Swayamtrupta Panda

Extreme Population A Sources as Extreme Radiators along the Quasar Main Sequence

Vivek Jha

Photometric RM (PRM) and its Calibration Compared to the Spectroscopic RM (SRM)

Ji-Jia Tang

Quasar Variability from ATLAS Survey

Zhicheng He

The Properties of Broad Absorption Line Outflows based on a Large Sample of Quasars

Wen-Yong Kang

The Intrinsic Correlations of Accretion Disk Turbulence with X-ray and BEL in Quasars

Neeraj Kumari

Investigation of Variable Absorption in NGC 4151

Shu Wang

SDSS-RM: Low-Ionization Broad-Line Width and Implications for Virial BH Mass Estimation

Elena Shablovinskaya

Intraday Variability of the Polarization Vector Direction in AGN S5 0716+714

Antoine Dumont

An Excess of K-Band Dust Emission in LLAGNs