



First ever workshop dedicated to:

Clustering Measurements of Active Galactic Nuclei

ESO Garching, 14–18 July 2014

PROGRAMME

Draft version 2 July 2014

Contributed talks are 20+5 minutes, and Invited talks are 40+10 minutes.

MONDAY, 14 JULY

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| 13:00 – 14:00 | Registration |
| 14:00 – 14:10 | Rob Ivison
<i>Welcoming remarks from ESO</i> |
| 14:10 – 14:20 | Mirko Krumpe
<i>Opening remarks and logistical matters</i> |
| 14:20 – 15:10 | Scott Croom (Invited)
<i>Zoo of AGNs in the context of clustering and a coherent picture of AGN clustering: Part I</i> |
| 15:10 – 16:00 | Ryan Hickox (Invited)
<i>Zoo of AGNs in the context of clustering and a coherent picture of AGN clustering: Part II</i> |
| 16:00 – 16:30 | Coffee Break |
| 16:30 – 16:55 | Lazaros Koutoulidis
<i>Clustering of X-ray selected AGN</i> |
| 16:55 – 17:20 | Ben Chehade
<i>Luminosity and Colour independence of Quasar Clustering</i> |
| 17:20 – 17:45 | Kyle Willett
<i>Clustering environments of BL Lac and FSRQ Blazars using galaxies from the SDSS</i> |
| 17:45 – 18:10 | Edwin Retana-Montenegro
<i>Clustering of Quasars as a function of radio-loudness and mass</i> |
| 18:10 – 20:00 | WELCOME RECEPTION
<i>Held on the outdoor patio by the ESO Council Room, weather permitting. Free food and drinks will be provided.</i> |

TUESDAY, 15 JULY

- 09:30 – 09:55** Viola Allevato
Clustering of X-ray Type 1 and 2 AGN at $z \sim 3$ in COSMOS
- 09:55 – 10:20** Antonis Georgakakis
Distribution of X-ray AGN in the XMM-XXL Field
- 10:20 – 10:50* **Coffee Break**
- 10:50 – 11:40** Alison Coil (Invited)
What can we learn from galaxy clustering measurements? (I)
- 11:40 – 12:30** Shaun Cole (Invited)
What can we learn from galaxy clustering measurements? (II)
- 12:30 – 12:55** Mirko Krumpe
Clustering of ROSAT/SDSS AGN through cross-correlation functions with SDSS Luminous Red Galaxies
- 12:55 – 13:05* **Conference Photo**
13:05 – 14:30 **Lunch Break**
- 14:30 – 14:55** Alexander Mendez
AEGIS+PRIMUS: The Clustering of X-ray, mid-IR, and radio-selected AGN
- 14:55 – 15:20** George Mountrichas
AGN clustering using Photometric Redshifts
- 15:20 – 15:45** Yuji Shirasaki
AGN-Galaxy clustering and its dependence on the mass of the Supermassive Black Hole
- 15:45 – 16:15* **Coffee Break**
- 16:15 – 16:40** Manuela Magliocchetti
Clustering of star-forming galaxies and the connections with AGN activity
- 16:40 – 17:05** Cristina Ramos Almeida
The environments of Luminous Radio-loud and Radio-quiet Quasars
- 17:05 – 17:30** Lingyu Wang
The co-evolution of quasar activity and star formation from a cross-correlation analysis between Quasars and the Cosmic Infrared Background

WEDNESDAY, 16 JULY

- 09:30 – 09:55** Nikolaos Nikoloudakis
AGN clustering in the XMM-ATLAS survey
- 09:55 – 10:20** Sam Lindsay
Evolution in the bias of Faint Radio Sources
- 10:20 – 10:50* **Coffee Break**
- 10:50 – 11:40** Issha Kayo (Invited)
Small-scale AGN clustering measurements
- 11:40 – 12:30** Takamitsu Miyaji (Invited)
HOD distribution studies: a general overview
- 12:30 – 12:55** Alexis Finoguenov
Direct measurement of the AGN HOD
- 13:05 – 14:30* **Lunch Break**
- 14:30 – 14:55** My Nguyen
Breaking Degeneracies between Quasar Halo Occupation Distribution Models
- 14:55 – 15:20** Liliana Altamirano-Dévora
Halo Occupation Distribution of AGNs through Numerical Simulations
- 15:20 – 15:55** Kalle Karhunen
Low-redshift Quasars in the SDSS Stripe 82: Local Environments
- 15:55 – 16:20** Beatriz Villarroel
Using galaxy neighbours to probe the inner structure of AGN
- 16:30 – 18:30* **BEER & PRETZELS**
Location: outside patio near Council Room, weather permitting

THURSDAY, 17 JULY

- 09:30 – 10:20** Volker Springel (Invited)
Synergy between LSS simulations and AGN clustering measurements: Part I
- 10:20 – 11:10** Nikos Fanidakis (Invited)
Synergy between LSS simulations and AGN clustering measurements: Part II
- 11:10 – 11:40* **Coffee Break**
- 11:40 – 12:05** Taira Oogi
The quasar clustering and its evolution in a semi-analytic model based on ultra high-resolution N-body simulations
- 12:05 – 12:30** Gabriel Marinello
The large quasar structures at high redshift and their compatibility with concordance cosmology
- 12:30 – 12:55** Luis Campusano
Extremely large structures of Quasars in the DR7 SDSS quasar catalog: clues for AGN evolution and cosmology?
- 13:00 – 14:30* **Lunch Break**
- 14:30 – 14:55** Cristina Garcia Vergara
Are Luminous Quasars at $z \sim 4$ tracers of the most massive Dark Matter Halos?
- 14:55 – 15:45** Andrea Merloni (Invited)
Future large AGN samples for clustering measurements: eROSITA and its AGN sample
- 15:45 – 16:15* **Coffee Break**
- 16:15 – 16:40** Richard McMahon
The 4MOST wide field spectroscopic facility for VISTA
- 16:40 – 17:05** Alexander Kolodzig
The eROSITA / SRG All-Sky Survey: A new era of clustering measurements with AGN
- 19:00 – 23:00* **CONFERENCE DINNER**
To be held at the Augustiner Restaurant in central Munich. Logistical information will be provided online and during the conference.

FRIDAY, 18 JULY

- 09:30 – 10:20** Adam Myers (Invited)
Future large AGN samples for clustering measurements: eBOSS and its AGN sample
- 10:20 – 11:10** Ray Norris (Invited)
Future large AGN samples for clustering measurements: EMU and its AGN sample
- 11:10 – 11:40* **Coffee Break**
- 11:40 – 12:05** Andreas Schulze
HETDEX: AGN-galaxy clustering within $2 < z < 3.5$
- 12:05 – 12:30** Joern Geisbuesch
A new 408 MHz compact source catalogue
- 12:30 – 14:00* **Lunch Break**
- 14:00 – 15:00** **Plenary Discussion**
Moderated by various members of the SOC
- 15:00 – 15:15** **Conference Summary by Ryan Hickox**
- 15:15 – 15:25** Mirko Krumpke
Closing Remarks