

The Origin and Growth of Supermassive Black Holes Schedule

Talks Thursday 16h15-17h45

16h15: 3D Hydrodynamical Simulations of Misaligned Circumbinary Disks Around SMBH Binaries (Lazaros Souvatzis)

16h30: A novel sub-grid model for super-Eddington accretion of spinning black holes in galaxy-scale simulations (Wei-Bo Kao)

16h45: How Do the First Supermassive Black Holes Grow? Predictions for JWST from Simulations (Harry Robinson)

17h00: Everything you ever wanted to do with null-geodesics of the Kerr exterior (Fergus Baker)

17h15: Galaxy discs regulate the growth of supermassive black holes (Ryan J. Roberts)

17h30: Bar-driven supermassive black hole growth (Izzy Garland)

Friday 09h00-10h30

09h00: Semi-empirical constraints on the high-z SMBH population and the implications for their early evolution. (Daniel Roberts)

09h15: Extreme AGN variability as a probe of SMBH growth (Matthew Temple)

09h30: The low-metal Cliff - A path to understanding black hole growth in low-metallicity systems (Lucy Ivey)

09h45: Inferring massive black hole's origin and growth with multimessenger observation from extreme mass ratio inspirals and tidally disruptive event observations (Shashwat Singh)

10h00: Statistical evidence for supermassive black hole recoils in active galactic nuclei (Bence Becsy)

10h15: Multi-Wavelength AGN Identification and Physical Parameter Estimation using machine learning in DESI survey. (Dhaval Sai Srinivas)

Friday 14h15-15h45

14h15: Exploring the accretion, jet and host connection for X-ray- and radio-selected AGN (Clara Pennock)

14h30: Spacetime measurement using black hole photon rings (Rahul Kumar)

14h45: Investigating the structure and accretion of the AGN NGC 4151, focussing on timescale-dependent reverberation signals. (Beth Gilby)

15h00: Direct observation of supermassive black hole binaries with spaceborne VLBI (Ben Hudson)

Posters

- Reflection fractions for thick-disc geometries (Shashanth Sriramanathan)
- Astrophysical Scenarios for the Periodic Modulation of the Gamma-ray Flux Emitted by the Blazar PG 1553+113 (Stefano Ciprini)