

IAU Focus Meeting #3 – “Radio Galaxies: Resolving the AGN Phenomenon”

Daily Programme: Wednesday 22 August 2018

Abstracts: see <http://astronomy2018.univie.ac.at/focusmeetings/fm3/>

Session “Radio galaxy plasma and substructures » (22.8., 13h30 – 15h00, room C)

Chairperson: Volker Beckmann

Invited Talk: High-resolution X-ray observations of 100 kpc Jets

13:30-13:55

Speaker: Daniel Schwartz

Contributed Talk: VHE Gamma-Ray Observations of Radio Galaxies by H.E.S.S.

13:55-14:10

Speaker: Markus Böttcher

Contributed Talk: The intermediate-power population of radio galaxies: morphologies and interactions

14:10-14:25

Speaker: Diana Worrall

Contributed Talk: Extreme jet distortions in low-redshift radio galaxies

14:25-14:40

Speaker: Mark Birkinshaw

Contributed Talk: Compact Symmetric Objects: the key to understanding the initial stages of a radio source expansion

14:40-14:55

Speaker: Malgosia Sobolewska

Poster presentations (one minute each)

14:55-15:00

1. Matthew Baring: Particle Acceleration, Turbulence and Multi-Wavelength Radiation in Blazar Jets
2. Enrique Lopez Rodriguez: The highly polarized 2-90 microns core of Cygnus A
3. Eileen Meyer: The continuing mystery of multiple spectral components in Jets from Black Holes

Session: “The Central Engine and jet production » (22.8., 15h30 – 17h00, room E2)

Chairperson: Markus Böttcher

Invited Talk: Disks, jets, and other black hole-powered transients

15:30-15:55

Speaker: Alexander Tchekhovskoy

Contributed Talk: The Jet-Disk Model for the Galactic Center and other AGN

15:55-16:10

Speaker: Heino Falcke

Contributed Talk: Testing jet formation in a new sample of radio galaxies

16:10-16:25

Speaker: Bia Boccardi

Contributed Talk:

Probing restarting activity in soft gamma-ray selected giant radio galaxies

16:25-16:40

Speaker: Gabriele Bruni

Discussion on "The Central Engine and jet production »

16:40-16:55

Poster presentations (one minute each)

16:55-17:00

1. Lorena Hernandez-Garcia: Restarting activity in the nucleus of PBC J2333.9-2343
2. Sascha Trippe : PAGaN: Revealing the Nature of Blazar Radio Cores through Multi-Frequency Polarization Observations with the Korean VLBI Network
3. Krisztina Perger : An interferometric quest to reveal the true nature of the core in the radio galaxy 3C411
4. Silke Britzen : OJ287: Deciphering the "Rosetta stone of blazars"

IAU Focus Meeting #3 - Daily Programme: Thursday 23 August 2018

Session: "Radio galaxy populations and statistics » (23.8., 8h30 – 10h, room E2)

Chairperson: Heino Falcke

Invited Talk: Radio galaxy populations and their cosmic evolution

08:30-08:55

Speaker: Elaine Sadler

Contributed Talk: Radio AGN in LOFAR surveys -- large samples at last!

08:55-09:10

Speaker: Martin Hardcastle

Contributed Talk: The MWA GLEAM 4-Jy Sample

09:10-09:25

Speaker: Sarah White

Contributed Talk: Search for faint high redshift radio galaxies at low frequencies

09:25-09:40

Speaker: Aayush Saxena

Contributed Talk: Probing SMBH axis perturbations with low axial ratio radio galaxies

09:40-09:55

Speaker: Lakshmi Saripalli

Poster presentations (one minute each)

09:55-10:00

1. Stefan Duchesne: Uncovering the unknown population of disk galaxies hosting large-scale radio emission
2. Pallavi Patil (presented by Kristina Nyland): JVL A imaging of heavily obscured, hyperluminous quasars
3. Sumana Nandi: Multi-frequency study of a large sample of double-double radio galaxies
4. Francesco Ursini: Soft gamma-ray radio galaxies: a high-energy view of jetted AGNs

Session: “Future perspectives and directions » (23.8., 10h30 – 12h, room E2)

Chairperson: Raffaella Morganti

Invited Talk: The Event Horizon Telescope and beyond

10:30-10:55

Speaker: Lindy Blackburn

Contributed Talk: RadioAstron imaging of nearby radio galaxies

10:55-11:10

Speaker: Tuomas Savolainen

Contributed Talk: Jet-driven outflows of cold gas in radio galaxies: the case of 3C293

11:10-11:25

Speaker: Elizabeth Mahony

Contributed Talk: AGN Feedback and its Importance to Galaxy Evolution in the Era of the Next Generation Very Large Array

11:25-11:40

Speaker: Kristina Nyland

Discussion on “Future perspectives and directions »

11:40-11:55

Poster presentations (one minute each)

11:55-12:00

1. Haiyan Zhang: Proposed VLBI Observations in the FAST Commissioning Stage
2. Eduardo Ros: High-resolution VLBI observations of Active Galactic Nuclei
3. O. Ivy Wong: Radio Galaxy Zoo: mapping AGN evolution via radio galaxy morphologies
4. Dharam Lal: NGC4869 in Coma cluster: Its collimated radio jet and the role of Kelvin-Helmholtz instabilities

Session: “Interaction with the environment” (23.8., 13h30 – 15h, room E2)

Chairperson: Diana Worrall

Invited Talk: AGN Feedback in Clusters of Galaxies

13:30-13:55

Speaker: Andrew Fabian

Contributed Talk: Molecular outflows in young radio galaxies

13:55-14:10

Speaker: Tom Oosterloo

Contributed Talk: The cold gas reservoir feeding a distant interacting young radio galaxy

14:10-14:25

Speaker: James Allison

Contributed Talk: Understanding the mechanical feedback from high- and low-accretion rate radio galaxies

14:25-14:40

Speaker: Imogen Whittam

Contributed Talk: Prevalence of radio jets associated with quasar outflows and feedback

14:40-14:55

Speaker: Miranda Jarvis

Poster presentations

14:55-15:00

1. Patrick Yates: Numerical simulations of intermittent radio jets
2. Yinghe Lu: A New Generation of AGN Feedback Models in Simulation of Galaxy Clusters
3. Brigitte Rocca Volmerange: The evolution code PEGASE.3 for distant radio galaxies with JWST

Session : « Interaction with the environment (part 2), summary, and final discussion »
(23.8., 15h30 – 17h, room E2)

Chairperson : Volker Beckmann

Contributed Talk: The parsec-scale structure of jet-driven HI outflows in powerful radio galaxies

15:30-15:50

Speaker: Raffaella Morganti

Contributed Talk: Modeling the environmental dependence of radio galaxy populations

15:50-16:10

Speaker: Stas Shabala

Invited Talk: Rapport of the conference

16:10-16:45

Speaker: Annalisa Celotti

Discussion and Closing Remarks

16:45-17:00

See photos of the event on Twitter : <https://twitter.com/iau18radiogalax>

Read a summary about the event on the IAU newspaper :

<http://astronomy2018.cosmoquest.org/newspaper/fm03-radio-galaxies-resolving-the-agn-phenomenon/>

Scientific Organising Committee :

Loredana Bassani (IASF / INAF, Italy), Volker Beckmann (chair, CNRS / IN2P3, France),
Markus Böttcher (North-West University, South Africa), Chris Done (Durham University, UK),
Melanie Johnston-Hollitt (Victoria University, New Zealand), Anne Lähteenmäki (Aalto University, Finland),
Raffaella Morganti (ASTRON, The Netherlands), Rodrigo Nemmen (Sao Paulo University, Brazil),
Paolo Padovani (ESO, Germany), Claudio Ricci (co-chair, UDP, Chile), Yoshihiro Ueda (Kyoto University, Japan),
Sylvain Veilleux (University of Maryland, USA), and Diana Worrall (co-chair, Bristol University, UK)