Session Program

18–22 Jan 2027



AGN Jets from Gamsberg to the Multi-Messenger Frontier

Jet formation, composition, and acceleration

Windhoek, Namibia
Hage Geingob Campus Auditorium

Monday 18 January

09:00

Jet formation, composition, and acceleration

Session | **Location:** Windhoek, Namibia, Hage Geingob Campus Auditorium

09:00–09:25 **[Invited talk] Recent Developments in Jet Theory**

Speaker
Charles Gammie

09:25–09:40

Lighting up a black hole: What can the image of M87* tell us about the microphysics of particle acceleration?

Speaker
RITTICK ROY

09:40–09:55 **The X-ray Spectrum of M87 During EHT Multi-wavelength Campaigns**

Speaker
Christopher Sheridan

09:55–10:10 **Evolving Faraday complexity from an accreting Galactic black hole**

Speaker
Andrew Hughes

10:10–10:25

A Semi-homogeneous Radio–X-ray Fundamental Plane Across Black Hole Mass Scales

Speaker
Justine Crook-Mansour

10:35

11:00

Jet formation, composition, and acceleration

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11:00–11:15

Magnetic field and plasma number density from radio and millimeter core measurements in AGN jets

Speaker
Elena Nokhrina

11:15–11:30

Simulating the launching and mass loading of discrete ejecta in X-ray binaries

Speaker
Katherine Savard

11:30–11:45 **SIMULATIONS OF RELATIVISTIC JETS IN FR0 RADIO GALAXIES**

Speaker
André Felipe de Siqueira Cardoso

11:45–12:00 **Connections between Sgr A*'s X-ray and MIR Flares and a Putative Jet**

Speaker
Dr Daryl Haggard

12:00–12:15
Multi-Wavelength Constraints on the Inner Engine of Low-Luminosity Active Galactic Nuclei

Speaker
Ruby Duncan

12:15–12:30
High optical to X-ray polarization ratio rules out a prominent hadronic content in BL Lacertae's jet

Speaker
Iván Agudo

12:30–12:31 **Spectral index evolution of the limb-brightened jet in 3C 84**

Speaker
Lena C. Debbrecht

12:31–12:32
Constraining Particle Acceleration in the Microquasar 1E 1740.7−2942 with H.E.S.S. Observations

Speaker
Tumisang Kedidimetse

12:32