Session Program

18–22 Jan 2027



AGN Jets from Gamsberg to the Multi-Messenger Frontier

Jet theory and simulations

Windhoek, Namibia
Hage Geingob Campus Auditorium

Tuesday 19 January

13:30

Jet theory and simulations

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

13:30–13:55 **[Invited talk] Magnetic Fields at the Base of Black Hole Jets**

Speaker
Dr George Wong

13:55–14:10

Investigating the variability resulting from colliding components in sub-parsec scale AGN jets with 3D RMHD simulations.

Speaker
Izak van der Westhuizen

14:10–14:25

Isolating the Role of Pair Plasma in Reconnection-Mediated Flaring Using GRMHD Tracers

Speaker
Aylecia Lattimer

14:25–14:40

Tracing baryons and pairs in jets and vicinity: a 3D GRMHD view of jet-disk plasma mixing

Speaker
Subhrat Praharaj

14:40–14:55 **How does M87 flare so brightly at TeV energies?**

Speaker
Marc Klinger-Plaisier

14:55–15:10

Jets and flat radio spectra in best fit GRMHD simulations of EHT observations

Speaker
renze oosterhuis

15:10–15:11 **Decoding Relativistic Jets through Synthetic Polarization Observables**

Speaker
Dr Joana Kramer

15:21