Session Program

18–22 Jan 2027



AGN Jets from Gamsberg to the Multi-Messenger Frontier

Blazar emission zones: Multi-band variability and polarisation signatures

Windhoek, Namibia
Hage Geingob Campus Auditorium

Wednesday 20 January

09:00

Blazar emission zones: Multi-band variability and polarisation signatures

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

09:00–09:25

[Invited talk] Jet geometry, shocks, and energy dissipation in 3C 454.3 across VLBI scales (online)

Speaker
Dr Efthalia Traianou

09:25–09:40

Intranight Polarization Angle Rotations in Blazars and Their Implications for Jet Physics

Speaker
Ioannis Liodakis

09:40–09:55

Constraining the position of gamma ray flares with optical spectroscopy

Speaker
Dr Benedetta Dalla Barba

09:56–10:11

A comparison of one-zone and two-zone leptonic models for IXPE blazars

Speaker
Sara Capecchiacci

10:11–10:26

Constraining blazar variability models through dense observations with CTAO

Speaker
Michael Zacharias

10:30

11:00

Blazar emission zones: Multi-band variability and polarisation signatures

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

11:00–11:25

[Invited talk] Awakened Blazars: Multiwavelength Views of FSRQ Flares from X-rays to Very High Energy Gamma Rays

Speaker
Lea Heckmann

11:25–11:40

How Jet Geometry Shapes Extreme Polarization in BL Lac

Speaker
Joana Kramer

11:40–11:55

Multi-wavelength observations of Markarian 501 as a tool for breaking the degeneracy between blazar models

Speaker
Lott Frans

11:55–12:10
Intermittent Particle Acceleration by Relativistic Turbulence: Explaining Extreme Blazar Spectra and Rapid Flares

Speaker
Dr Anton Dmytriiev

12:10–12:25 **CTA-Pol: polarimetry of blazars for CTA-South**

Speaker
Nick Tothill

12:30

13:30

Blazar emission zones: Multi-band variability and polarisation signatures

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

13:30–13:45
Long-term multi-wavelength SED and variability modeling of the HSP BL Lac PKS 2155-304

Speaker
Ms Shruti Mukherjee

13:45–14:00 **ATOM - observing flaring AGN in the optical from Namibia**

Speaker
Felix Jankowsky

14:00–14:15
Optical spectroscopy of the VHE flat-spectrum radio quasar PKS 0903-57

Speaker
Eli Kasai

14:15–14:30 **Inter-Band Time Lags and Jet Behaviour in Blazars**

Speaker
Hiiko Katjaita

14:30–14:45
Spectro-Polarimetric Observations of TeV Sources (SPOTS): First results

Speaker
Dr Izak van der Westhuizen

14:45–15:00 **SALT’s support for optical observations of gamma ray sources**

Speaker
David Buckley

15:00–15:01
A multi-peaked γ-ray outburst and subsequent EVPA flip in PKS 0528+134

Speaker
Lena C. Debbrecht

15:01–15:02
H.E.S.S. observations of 3C 279 during the exceptional 2017 and 2018 flaring episodes

Speaker
Anna Luashvili

15:02–15:03

Characterization and Classification of Blazar Light Curves in Radio Frequencies

Speaker
Queen Namene

15:03–15:04

Shocks, polarisation, and high-energy emission: Probing black hole jets from VLBI to IXPE

Speaker
Georgios Filippos Paraschos

15:05