Session Program

18–22 Jan 2027



AGN Jets from Gamsberg to the Multi-Messenger Frontier

Multi-messenger astronomy: Theory and Observations

Windhoek, Namibia
Hage Geingob Campus Auditorium

Thursday 21 January

09:00

Multi-messenger astronomy: Theory and Observations

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

09:00–09:25

[Invited talk] Searching for Neutrino Sources Using AGN Jet Variability

Speaker
Pouya Kouch

09:25–09:40

SKA-VLBI and the multi-messenger frontiers

Speaker
Zsolt Paragi

09:40–09:55

Recurring gamma-ray flare patterns in blazars and their possible link to neutrinos

Speaker
Dr Dmitry Blinov

09:55–10:10

VLBI studies of AGN in the context of multi-messenger partnership at the dawn of the era of gravitational wave astronomy

Speaker
Leonid Gurvits

10:10–10:25

Multi-messenger Modeling of Blazars

Speaker
Markus Boettcher

10:30

11:00

Multi-messenger astronomy: Theory and Observations

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11:00–11:15

The Africa mm-Telescope: a new perspective into the physics of jets and black holes

Speaker
Heino Falcke

11:15–11:30

Role of Turbulence-Driven Reconnection in the Production of UHECRs and VHE Emission in AGN Relativistic Jets and Accretion Flows

Speaker
Elisabete M. de Gouveia Dal Pino

11:30–11:45

Delayed Radio Flares in Neutrino-associated Blazars: The Case of TXS 0506+056

Speaker
Stamatios Ilias Stathopoulos

11:45–12:00 **Multimessenger observations of jetted and unjetted AGN**

Speaker
Fe McBride

12:00–12:15
Temporal Evolution of VLBI Core Properties in Neutrino-Associated Blazars

Speaker
Georgios Kalaitzidakis

12:15–12:30 **Revealing Hidden Fast Motions in AGN Jets with VLBI Images**

Speaker
Vladislav Makeev

12:30

13:30

Multi-messenger astronomy: Theory and Observations

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13:30–13:45
Towards the Construction of the Southern Wide-field Gamma-ray Observatory (SWGO)

Speaker
Ulisses Barres

13:45–14:00
The PanAfroAGN-SI survey: Detailed properties of jetted-AGN host galaxies in a new IFS AGN Large Program at SALT

Speaker
Mirjana Povic

14:00–14:15
From Outreach to Ownership: Building Local Roots for Frontier Astronomy in Africa

Speaker
Zandre Duvenhage

14:15–14:16
Disentangling AGN from star formation in hyper-luminous infrared galaxies at 2 < z < 4

Speaker
Ikechukwu Obi

14:16–14:17 **Multi-Instrument, Multi-Messenger Blazar Modelling with B13**

Speaker
Joshua Robinson

14:17–14:18
Estimating Integration Times for Monitoring Gamma-Ray Blazars with the Africa Millimetre Telescope

Speaker
Sigrid Shilunga

14:18–14:19

Signatures of Chaos in astrophysical time series: The TESS light curve of the blazar S5 0716+714

Speaker
Rumen Bachev

14:19–14:20

Very-high-energy gamma-ray observations of the Galactic globular cluster 47 Tucanae with H.E.S.S.

Speaker
Jimmy Shapopi

14:41