

## **Session Program**

**14-24 Jul 2025**



# **ICRC 2025 - The Astroparticle Physics Conference**

***GWMS***

CICG - International Conference Centre - Geneva, Switzerland  
17 rue de Varembé CH - 1211 Geneva Switzerland

# Monday 21 July

13:20

## GWMS

Session | Location: Room 8 | Convener: Steven Schramm

13:20-13:35

### Sensitivity of the Cherenkov Telescope Array Observatory to the gamma-ray counterparts of neutrino events detected by IceCube

**Speaker**

Olga Sergijenko

13:35-13:50

### A Hierarchical Shock Acceleration Model for Ultra-High-Energy Cosmic Rays and Multimessenger Signatures

**Speaker**

Dr Paul Simeon

13:50-14:05

### Inferring properties of binary neutron star mergers from the shock breakout emission

**Speaker**

Eduardo Mario Gutiérrez

14:05-14:20

### Probing for Gamma-Ray Emission near KM3-230213A Neutrino Event with VERITAS

**Speaker**

Connor Mooney

14:20-14:36

### Latest Results from the Searches for Photons at the Highest Energies with the Pierre Auger Observatory

**Speaker**

Pierpaolo Savina

14:36

15:20

## GWMS

Session | Location: Room 8 | Convener: Steven Schramm

15:20-15:35

### Constraints on the Population of Common Sources of Gravitational Waves and High-Energy Neutrinos with IceCube During the Third Observing Run of the LIGO and Virgo Detectors

**Speaker**

Doğa Veske

15:35-15:50

### J1048+7143: Signatures of a Supermassive Binary Black Hole Close to Merger?

**Speaker**

Ilja Jaroschewski

15:50-16:05

**Crystal Eye: an instrument with a wide view of the MeV sky to study the astrophysical photons**

**Speaker**  
Ritabrata Sarkar

16:05-16:20

**Multi-Messenger Search for Neutrino and Gravitational-Wave Emissions from Binary Black Holes Near Active Galactic Nuclei**

**Speaker**  
Leonardo Ricca

16:20-16:35

**TELAMON: Constraining the Physics of Very-High-Energy Emission in Blazars through High-Frequency Radio Monitoring**

**Speaker**  
Florian Eppel

16:35-16:50

**Modeling of Blazar Multimessenger Emission with Convolutional Neural Network**

**Speaker**  
Prof. Narek Sahakyan

16:50

17:05

**GWMS: numerical analysis**

**Session** | **Location:** Room 8 | **Convener:** Steven Schramm

17:05-17:20

**MCMC Parameter Study of the Multimessenger Emission from AGN-Starburst Galaxies**

**Speaker**  
Silvia Salvatore

17:20-17:35

**CCSNe detection perspectives with 3G GW detectors**

**Speaker**  
Alessandro Vestro

17:35-17:50

**New Public Neutrino Alerts for Clusters of IceCube Events**

**Speaker**  
Sarah Louise Mancina

17:50-18:05

**Archival Search for IceCube Sub-TeV Neutrino Counterparts to Sub-Threshold Gravitational Wave Events from the Third Observing Run of the LIGO-Virgo-KAGRA**

**Speaker**  
Tista Mukherjee

18:05-18:20

**Pre-merger alert to detect the very-high-energy prompt emission from binary neutron-star mergers: Einstein Telescope and Cherenkov Telescope Array synergy**

**Speaker**  
Biswajit Banerjee

18:20-18:35

**Astro-COLIBRI: A Comprehensive Platform for Real-Time Multi-Messenger  
Astrophysics**

**Speaker**

Dr Fabian Schüssler

18:35

# Wednesday 23 July

13:20

## GWMS

**Session** | **Location:** Room E | **Convener:** Dr Nicolas Produit

13:20-13:35 **THE DIFFUSE HIGH ENERGY NON-AGN NEUTRINO EMISSION**

**Speaker**

Antonio Marinelli

13:35-13:50

**Constraints on the ultra-high-energy Galactic gamma-ray emission from neutrino data**

**Speaker**

Samy Kaci

13:50-14:05

**Search for Neutrinos from the Galactic 4FGL Sources with the Pion-bump Signature with IceCube**

**Speaker**

Alejandra Maria Granados Hernandez

14:05-14:20

**IceCube population constraints on neutrino emission by Fermi-LAT detected active galactic nuclei**

**Speaker**

SAMUEL HORI

14:20-14:36

**Joint Detection Prospects of Binary Neutron Star Mergers using CTA - Gravitational-Wave Detectors and high energy neutrino emission scenarios**

**Speaker**

Ms Tanim Mondal

14:36

15:19

## GWMS: intensity interferometry

**Session** | **Location:** Room E | **Convener:** Dr Nicolas Produit

15:19-15:34

**Observations of Fast Rotating Stars with the VERITAS Stellar Intensity Interferometer (VSII)**

**Speakers**

Dave Kieda, Simon Filbert

15:34-15:49

**Prospects and first optical intensity interferometry results with the MAGIC and CTAO-North LST telescopes**

**Speaker**

Irene Jiménez Martínez

15:49-16:04

**Resolving Binary Systems down to Milli-Arcsecond Precision through Stellar Intensity Interferometry with MAGIC and LST-1**

**Speaker**

Aramis Raiola

16:04-16:19

**Intensity Interferometry prospects with the CTAO**

**Speaker**

Prasenjit Saha

16:19-16:34

**Reaching 10 microarcsec in the optical to resolve accretion disks**

**Speaker**

Roland Walter

16:34-16:49

**Development of sub 50 picosecond intensity interferometry for astrophysics**

**Speaker**

Gilles Koziol

16:50