**Session Program**

**Oct 14 – 17, 2024**

# SuGAR 2024

# Presentations

Union South, University of Wisconsin–Madison, Northwoods Room
1308 West Dayton Street

# Mon, October 14

9:00 AM

## Presentations

**Session** | **Location:** Union South, University of Wisconsin–Madison, Northwoods Room, 1308 West Dayton Street

9:00 – 9:45 AM **Galactic Cosmic Rays: loose ends or shaking pillars? (remote)**

**Speaker**
Pasquale Blasi

9:45 – 10:30 AM
**AMS-02 results and perspectives for future measurements with a magnetic spectrometer**

**Speaker**
Paolo Zuccon

10:30 AM

11:00 AM

## Presentations

**Session** | **Location:** Union South, University of Wisconsin–Madison, Northwoods Room, 1308 West Dayton Street

11:00 – 11:45 AM
**Science Results of 9 Years of Measurements from CALET Operation on the International Space Station**

**Speaker**
John Krizmanic

11:45 AM

1:15 PM

## Presentations

**Session** | **Location:** Union South, University of Wisconsin–Madison, Northwoods Room, 1308 West Dayton Street

1:15 – 2:00 PM **Results from the DAMPE space mission (remote)**

**Speaker**
Ivan De Mitri

2:00 – 2:45 PM **Spectral Signatures of Local Cosmic Ray Sources**

**Speaker**
Igor Moskalenko

2:45 PM

3:15 PM

## Presentations

**Session** | **Location:** Union South, University of Wisconsin–Madison, Northwoods Room, 1308 West Dayton Street

3:15 – 4:00 PM
**Investigating the CREDIT history of supernova remnants as cosmic-ray sources**

**Speaker**
Philipp Mertsch

4:00 – 4:45 PM
**Multi-messenger modeling of Galactic cosmic-ray acceleration and transport**

**Speaker**
Lukas Merten

4:45 PM

# Tue, October 15

8:55 AM

## Presentations

**Session** | **Location:** Union South, University of Wisconsin–Madison, Northwoods Room, 1308 West Dayton Street

9:00 – 9:45 AM

### Recent Results on Cosmic Ray Spectrum and Anisotropy from the GRAPES-3 Experiment (remote)

**Speaker**
Pravata Kumar Mohanty

9:45 – 10:30 AM

### Progresses in γ-ray Astronomy and Cosmic-ray ResearchProgresses in γ-ray Astronomy and Cosmic-ray Research

**Speaker**
Zhen Cao

10:30 AM

11:00 AM

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**Session** | **Location:** Union South, University of Wisconsin–Madison, Northwoods Room, 1308 West Dayton Street

11:00 – 11:45 AM

### The Fermi view of the Galactic diffuse gamma-ray emission

**Speaker**
Michela Negro

11:45 AM

1:15 PM

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**Session** | **Location:** Union South, University of Wisconsin–Madison, Northwoods Room, 1308 West Dayton Street

1:15 – 2:00 PM

### HAWC Observations of the Spectrum, Composition and Anisotropy of Cosmic Rays Below the Knee

**Speaker**
Juan Carlos Díaz Vélez

2:00 – 2:45 PM

### Galactic Gamma Ray Sources as seen by HAWC

**Speaker**
Jordan Goodman

2:45 PM

3:15 PM

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**Session** | **Location:** Union South, University of Wisconsin–Madison, Northwoods Room, 1308 West Dayton Street

3:15 – 4:00 PM

### Young stellar cluster as cosmic ray sources

**Speaker**
Giovanni Morlino

4:00 – 4:45 PM

### Multi-messenger search for the hadronic accelerators in our Galaxy

**Speaker**
Nahee Park

4:45 PM

# Wed, October 16

9:00 AM

## Presentations

**Session** | **Location:** Union South, University of Wisconsin–Madison, Northwoods Room, 1308 West Dayton Street

9:00 – 9:45 AM

**Galactic gamma-ray PeVatron observations and non-thermal processes in galactic sources (remote)**

**Speaker**
Rubén López-Coto

9:45 – 10:30 AM **IceCube: Status of the Search for Cosmic Ray Sources**

**Speaker**
Mr Francis Halzen

10:30 AM

1:15 PM

## Presentations

**Session** | **Location:** Union South, University of Wisconsin–Madison, Northwoods Room, 1308 West Dayton Street

1:15 – 2:00 PM **Turbulent tales of stellar collapse and rebirth**

**Speaker**
Sarah Gossan

2:00 – 2:45 PM **The Unexpected TeV Emitters in the Galactic Plane**

**Speaker**
Ke Fang

2:45 PM

3:15 PM

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**Session** | **Location:** Union South, University of Wisconsin–Madison, Northwoods Room, 1308 West Dayton Street

3:15 – 4:00 PM **Interaction of Cosmic Rays at Mesoscopic Scales**

**Speaker**
ELLEN GOULD ZWEIBEL

4:00 PM

4:00 PM

## Presentations

**Session** | **Location:** Union South, University of Wisconsin–Madison, Northwoods Room, 1308 West Dayton Street

4:00 – 4:45 PM **Are Supernova Remnants as Cosmic Ray Factories? Yes, but…**

**Speaker**
Damiano Caprioli

4:45 – 5:30 PM

**Galactic CR sources: Insights from the diffuse emission, TeV halos, and the CR anisotropy (remote)**

**Speaker**
Prof. Gwenael Giacinti

5:30 PM

# Thu, October 17

9:00 AM

## Presentations

**Session** | **Location:** Union South, University of Wisconsin–Madison, Northwoods Room, 1308 West Dayton Street

9:00 – 9:45 AM **A Multi-Messenger View of the Milky Way**

**Speaker**
Dan Hooper

9:45 – 10:30 AM **IceCube's Galactic Neutrinos: Diffuse Emission or Hidden Sources?**

**Speaker**
Markus Ahlers

10:30 AM

11:00 AM

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**Session** | **Location:** Union South, University of Wisconsin–Madison, Northwoods Room, 1308 West Dayton Street

11:00 – 11:45 AM

**Searching for Galactic PeVatrons with the Tibet ASgamma Experiment**

**Speaker**
Dr Kazumasa Kawata

11:45 AM

1:15 PM

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**Session** | **Location:** Union South, University of Wisconsin–Madison, Northwoods Room, 1308 West Dayton Street

1:15 – 2:00 PM **Excesses in Cosmic-Ray Antinuclei**

**Speaker**
Tim Linden

2:00 PM