

**Session Program**

**12-16 Sept 2016**

**TeV Particle Astrophysics 2016**

***Gamma-ray astrophysics***

CERN

# Monday 12 September

14:00

## Gamma-ray astrophysics: I

**Session** | **Location:** CERN, 500/1-001 - Main Auditorium | **Convener:** David Paneque

14:00–14:30 **The future of gamma-ray astronomy**

**Speaker**

Jürgen Knödlseder

14:30–15:00 **The Compton Spectrometer and Imager (COSI)**

**Speakers**

John Tomsick, John Tomsick

15:00–15:15 **Gamma-ray polarimetry in the pair regime with the HARPO TPC**

**Speaker**

Philippe Gros

15:15–15:30

**CALET Gamma-ray Burst Monitor: in-flight performance and preliminary results**

**Speaker**

Sergio Bruno Ricciarini

15:30–15:45 **HAWC: A New View of the Very High Energy Sky**

**Speaker**

Thomas Weisgarber

16:00

16:30

## Gamma-ray astrophysics: II

**Session** | **Location:** CERN, 500/1-001 - Main Auditorium | **Convener:** Francesca Calore

16:30–17:00 **The Third Catalog of Hard Fermi-LAT Sources (3FHL)**

**Speaker**

Dr Alberto Dominguez

17:00–17:15 **Gamma-ray blazars at the dawn of the Universe**

**Speaker**

Vaidehi Paliya

17:15–17:30

**Mrk421 and Mrk501 as high-energy physics laboratories to study the nature of blazars**

**Speaker**

David Paneque

17:30–17:45 **Multi-frequency, broad-band variability study of BL Lac OJ 287**

**Speaker**

Arti Goyal

17:45-18:00

**MAGIC observations of very-high-energy gamma-ray flare from PKS1510-089 in May 2015.**

**Speaker**

Julian Sitarek

18:00-18:15

**Orphan gamma-ray flares from relativistic blobs comptonizing radiation of luminous stars in jets of AGNs**

**Speaker**

Wlodek Bednarek

18:15-18:30

**Anisotropy constraints on blazar models**

**Speaker**

Shin'ichiro Ando

18:30-18:45

**IGRB tomography and Dark Matter Searches via cross-correlations with Large Scale Structures**

**Speaker**

Alessandro Cuoco

18:45

# Tuesday 13 September

16:30

## Gamma-ray astrophysics: III

Session | Location: CERN, 13-2-005 | Convener: Francesca Calore

16:30-17:00

### High-energy interstellar gamma-ray emission from the Milky Way

**Speaker**

Luigi Tibaldo

17:00-17:30

### Gamma-ray Observations of Galaxy Clusters: Current Constrains and Future Prospects

**Speaker**

Fabio Zandanel

17:30-17:45

### Statistical Measurement of the Gamma-ray Source Count Distribution as a Function of Energy

**Speaker**

Dr Hannes Zechlin

17:45-18:00

### Hunting for Point Sources in the Extragalactic Gamma-Ray Sky

**Speaker**

Siddharth Mishra Sharma

18:00-18:15

### Searches for Angular Extension in High-Latitude Fermi-LAT Sources

**Speaker**

Matthew Wood

18:15-18:30

### Vacuum gaps in black holes magnetospheres

**Speaker**

Ksenia Ptitsyna

18:45

# Thursday 15 September

16:15

## Gamma-ray astrophysics: IV

Session | Location: CERN, 13/2-005 | Convener: David Paneque

16:15-16:45

### Insights into pulsar physics from very high energy gamma-ray observations

**Speaker**

Dr marcos López Moya

16:45-17:00

### Population synthesis of Fermi LAT sources: A Bayesian analysis using posterior predictive distributions

**Speaker**

Thomas Edwards

17:00-17:15

### Galactic cosmic rays: Lesson from diffuse gamma-ray observations

**Speaker**

Dr Carmelo Evoli

17:15-17:30

### The Milky-Way observed in TeV gamma-rays with H.E.S.S.

**Speaker**

Mr Axel Donath

17:30-17:45

### VHE gamma-ray observations of binary systems with the MAGIC telescopes.

**Speaker**

Alba Fernández-Barral

17:45-18:00

### MAGIC observations of the enigmatic Gamma Cygni supernova remnant

**Speaker**

Mr Marcel Strzys

18:15