

## **Session Program**

**5-12 Jul 2017**



## **EPS-HEP 2017**

### ***Astroparticle physics***

Venice, Italy  
Palazzo del Cinema and Palazzo del Casinò, Lido di Venezia, Italy

# Thursday 6 July

09:00

## Astroparticle physics

**Session** | **Location:** Palazzo del Casinò, Room Martinelli

09:00–09:18

### Latest results of the LHCf experiment at LHC

#### Speaker

Alessia Tricomi

09:18–09:36

### LHCb inputs to astroparticle physics

#### Speaker

Marianna Fontana

09:36–09:54

### On the Matter Content of Astrophysical Jets

#### Speakers

Eugenio Bottacini, Eugenio Bottacini

09:54–10:12

### The PROSA PDF fit and prompt neutrino fluxes

#### Speakers

Dr Maria Vittoria Garzelli, Achim Geiser, Oleksandr Zenaiev, S. Moch

10:12–10:42

### Understanding cosmic ray small-scale anisotropies

#### Speaker

Philipp Mertsch

10:42–11:00

### The DAMPE experiment: a probe for high energy cosmic-ray.

#### Speaker

Dr Gargano Fabio

11:00–11:30

### Coffee break

11:30–11:48

### Time dependence of the helium flux measured by PAMELA

#### Speaker

Beatrice Panico

11:48–12:06

### Characteristic Energy Dependence of Primary and Secondary Cosmic Rays measured with the AMS Detector on the Space Station

#### Speakers

Valerio Formato, Valerio Formato, Valerio Formato

12:06–12:24

### Precision Measurement of $3\text{He}$ -to- $4\text{He}$ ratio in Cosmic Rays with the AMS Detector on the Space Station

#### Speaker

Prof. Paolo Zuccon

12:24–12:42

### Latest results of the Pierre Auger Observatory

**Speaker**

Mrs Isabelle Lhenry-Yvon

12:42-12:55

**The ANITA and HiCal experiments in Antarctica.****Speaker**

Steven Prohira

13:00

14:30

**Astroparticle physics****Session** | **Location:** Palazzo del Casinò, Room Martinelli

14:30-14:48

**Astroparticle Physics at the DUNE experiment****Speaker**

Ines Gil Botella

14:48-15:06

**The very high energy gamma-ray (and neutrino) Galactic Center diffuse emission****Speaker**

Dario Grasso

15:06-15:24

**M31 gamma ray emission - a closer look at different explanations****Speaker**

Christopher Eckner

15:24-15:42

**Astroparticle physics with ARGO-YBJ****Speakers**

Paolo Camarri, Paolo Camarri

15:42-16:00

**Supernova remnants in the very--high--energy sky: prospects for CTA****Speaker**

Pierre Cristofari

16:00-16:30

**Coffee break**

16:30-16:58

**Intepreting extragalactic backgrounds via angular cross-correlations****Speaker**

Dr Marco Regis

16:58-17:16

**Search for tau neutrinos at PeV energies and beyond with the MAGIC telescopes****Speakers**

Dr Dariusz Gora, Marina Manganaro

17:16-17:34

**Highlights of the ANTARES neutrino telescope results****Speaker**

Annarita Margiotta

17:34-17:52

**A Summary of Recent Updates in the Search for Cosmic Ray Sources using the IceCube Detector****Speaker**

Tessa Lauren Carver

17:52-18:10

**Constraining the Flavor Structure of Lorentz Violation Hamiltonian with the Measurement of Astrophysical Neutrino Flavor Compositions**

**Speaker**

Prof. Guey-Lin Lin

18:28

## Saturday 8 July

09:00

### Astroparticle physics

**Session** | **Location:** Palazzo del Casinò, Room Casinò

09:00–09:15

#### Precision Measurement of the positron fraction in Primary Cosmic Rays with AMS on the Space Station

**Speaker**

Valerio Vagelli

09:15–09:30

#### AugerPrime: the upgrade program of the Pierre Auger Observatory.

**Speaker**

Gabriella Cataldi

09:30–09:45

#### The EUSO-SPB mission

**Speaker**

Valentina Scotti

09:45–10:00

#### The SST-1M Cherenkov telescope for high-energy gamma-ray astronomy and its SiPM-based camera

**Speaker**

Victor Coco

10:00–10:15

#### Status of the KM3NeT/ARCA telescope

**Speaker**

Carla Distefano

10:15–10:30

#### Results from the 35-ton Liquid-argon Prototype using Cosmic Rays and Lessons Learned

**Speaker**

Michael Wallbank

10:30–10:45

#### Unmasking the ultrahigh-energy cosmic ray origin

**Speaker**

Prof. Luis Anchordoqui

10:45–11:00

#### Astroparticle Physics in Hyper-Kamiokande

**Speaker**

Jost Migenda

11:00