

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 3He -to- 4He 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 Martinelli14:30-14:48 **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