

Session Program

Jul 5 - 12, 2017



EPS-HEP 2017

Astroparticle physics

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

Thu, July 6

9:00 AM

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

1:00 PM

2:30 PM

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

6:28 PM

Sat, July 8

9:00 AM

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 AM