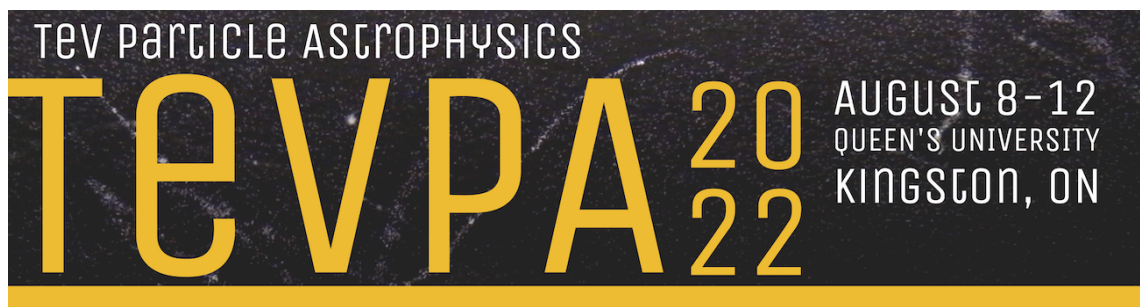


Session Program

8-12 Aug 2022



TeVPA 2022

Cosmic Rays

Sunday 7 August

14:00

Cosmic Rays: I - BioSci 1102

Session | Location: | Convener: Pedro De la Torre Luque

14:00-14:20

Force-Field Model of Galactic Cosmic Ray Propagation in the Inner Heliosphere

Speaker

Dr Jung-Tsung Li

14:20-14:40

Precision Measurement of Daily Electron, Positron, Proton, and Helium Fluxes with the Alpha Magnetic Spectrometer

Speaker

Yi Jia

14:40-15:00

Precision Measurement of the Monthly Proton, Helium, Carbon and Oxygen Fluxes in Cosmic Rays with the Alpha Magnetic Spectrometer on the International Space Station

Speaker

Federico Donnini

15:20

Monday 8 August

14:00

Cosmic Rays: II - BioSci 1101

Session | Location: | Convener: Morlino Giovanni

14:00–14:20 **The FLUKA cross sections for cosmic-ray propagation studies**

Speaker

Pedro De la Torre Luque

14:20–14:40 **Isotopic composition of cosmic rays with the HELIX balloon project**

Speaker

Keith McBride

14:40–15:00

Unique Properties of Secondary Cosmic Rays: Results from the Alpha Magneti Spectrometer

Speaker

Mr Yao Chen

15:00–15:20 **Unique Properties of Cosmic H, He, Li and Be Isotopes**

Speaker

Jiahui Wei

15:20

15:50

Cosmic Rays: III - BioSci 1101

Session | Location: | Convener: Francesca Giovacchini

15:50–16:10

Unique Properties of Primary Cosmic Rays: Results from the Alpha Magnetic Spectrometer

Speaker

Yi Jia

16:10–16:30

Unique Properties of the 3rd Group of Cosmic Rays: Results from the Alpha Magnetic Spectrometer

Speaker

Dr Valerio Formato

16:30–16:50

Testing the universality of cosmic-ray nuclei from protons to oxygen with AMS-02

Speaker

Michael Korsmeier

16:50–17:10 **The High Energy cosmic Radiation Detector**

Speaker

Dr Valerio Formato

17:10

Tuesday 9 August

14:00

Cosmic Rays: IV - Stirling Auditorium

Session | Location: | Convener: Valerio Formato

14:00–14:20 **Direct Detection of TeV–PeV Cosmic Rays in Space**

Speaker

Andrii Tykhonov

14:20–14:40

Potential measurement of the primary cosmic-ray proton spectrum between 40 TeV and a few hundred TeV with the Tibet hybrid experiment (Tibet-III + MD)

Speaker

Dr katayose yusaku

14:40–15:00

The Surface Array Enhancement of the IceCube Neutrino Observatory

Speaker

Dennis Soldin

15:00–15:20

Observation of Cosmic-Ray Anisotropy with Ten Years of IceCube Data

Speaker

Frank McNally

15:20

15:50

Cosmic Rays: V - Stirling Auditorium

Session | Location: | Convener: Yi Jia

15:50–16:10 **Properties of Heavy Nuclei in South Atlantic Anomaly region**

Speaker

Francesca Giovacchini

16:10–16:30

The mechanism of efficient electron acceleration at parallel non-relativistic shocks

Speaker

Mohamad Shalaby

16:30–16:50

Towards Understanding the Origin of Cosmic-Ray Positrons

Speaker

Zhili Weng

16:50–17:10

Antiproton Flux and Properties of Elementary Particle Fluxes in Primary Cosmic Rays Measured with the Alpha Magnetic Spectrometer on the ISS

Speaker

Zhili Weng

17:10