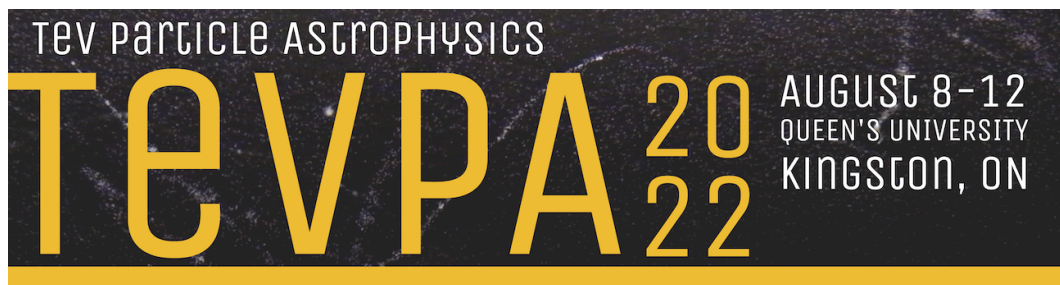


Session Program

Aug 8 - 12, 2022



TeVPA 2022

Cosmic Rays

Mon, August 8

2:00 PM

Cosmic Rays: I - BioSci 1102

Session | Convener: Pedro De la Torre Luque

2:00 - 2:20 PM

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

Speaker

Dr Jung-Tsung Li

2:20 - 2:40 PM

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

Speaker

Yi Jia

2:40 - 3:00 PM

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

3:20 PM

Tue, August 9

2:00 PM

Cosmic Rays: II - BioSci 1101

Session | Convener: Morlino Giovanni

2:00 - 2:20 PM **The FLUKA cross sections for cosmic-ray propagation studies**

Speaker

Pedro De la Torre Luque

2:20 - 2:40 PM **Isotopic composition of cosmic rays with the HELIX balloon project**

Speaker

Keith McBride

2:40 - 3:00 PM

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

Speaker

Mr Yao Chen

3:00 - 3:20 PM **Unique Properties of Cosmic H, He, Li and Be Isotopes**

Speaker

Jiahui Wei

3:20 PM

3:50 PM

Cosmic Rays: III - BioSci 1101

Session | Convener: Francesca Giovacchini

3:50 - 4:10 PM

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

Speaker

Yi Jia

4:10 - 4:30 PM

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

Speaker

Dr Valerio Formato

4:30 - 4:50 PM

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

Speaker

Michael Korsmeier

4:50 - 5:10 PM **The High Energy cosmic Radiation Detector**

Speaker

Dr Valerio Formato

5:10 PM

Wed, August 10

2:00 PM

Cosmic Rays: IV - Stirling Auditorium

Session | Convener: Valerio Formato

2:00 – 2:20 PM **Direct Detection of TeV–PeV Cosmic Rays in Space**

Speaker

Andrii Tykhonov

2:20 – 2:40 PM

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

2:40 – 3:00 PM

The Surface Array Enhancement of the IceCube Neutrino Observatory

Speaker

Dennis Soldin

3:00 – 3:20 PM

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

Speaker

Frank McNally

3:20 PM

3:50 PM

Cosmic Rays: V - Stirling Auditorium

Session | Convener: Yi Jia

3:50 – 4:10 PM **Properties of Heavy Nuclei in South Atlantic Anomaly region**

Speaker

Francesca Giovacchini

4:10 – 4:30 PM

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

Speaker

Mohamad Shalaby

4:30 – 4:50 PM

Towards Understanding the Origin of Cosmic-Ray Positrons

Speaker

Zhili Weng

4:50 – 5:10 PM

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

Speaker

Zhili Weng

5:10 PM