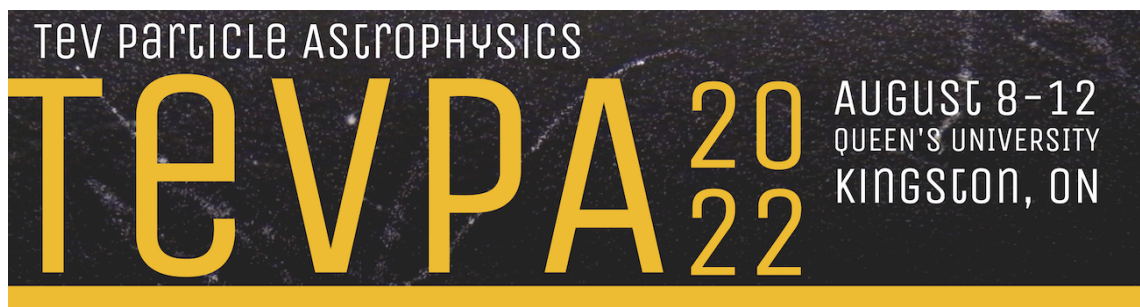


Session Program

8-12 Aug 2022



TeVPA 2022

Plenary session

Sunday 7 August

09:00

Plenary session: BioSci 1101

Session | Location: Biosciences 1101 | Convener: Rebecca Leane

09:00-09:30 **Dark Matter in Extreme Environments**

Speaker

Dr Bradley Kavanagh

09:30-10:00 **Searches for new particles in bound solar orbits**

Speaker

Prof. Katelin Schutz

10:00

10:30

Plenary session: BioSci 1101

Session | Location: Biosciences 1101 | Convener: Dan Hooper

10:30-11:00

Overview of the recent results and future developments of the Telescope Array experiment

Speaker

Dr Eiji Kido

11:00-11:30

Very to Ultra-High-Energy Gamma-ray Astrophysics with Ground-Based Particle Detection Arrays

Speaker

Petra Huentemeyer

11:30-12:00

Latest results and the upgrade of the Pierre Auger Observatory

Speaker

Dr Fred Sarazin

12:00

Monday 8 August

09:00

Plenary session: BioSci 1101

Session | **Location:** Biosciences 1101 | **Convener:** Carlos A. Argüelles-Delgado

09:00–09:30 **The ANTARES adventure**

Speaker

Antoine David Kouchner

09:30–10:00 **A decade of discoveries with Cherenkov neutrino telescopes**

Speaker

Lu Lu

10:00

10:30

Plenary session: BioSci 1101

Session | **Location:** Biosciences 1101 | **Convener:** Martin Pohl

10:30–11:00 **High-Energy Neutrinos: A New Trail Towards New Physics**

Speaker

Carlos A. Argüelles-Delgado

11:00–11:30

Neutrinos from blazars five years after the IC170922A / TXS0506+056 event

Speaker

Matteo Cerruti

11:30–12:00 **Young Stellar Clusters: a new player in the field of Cosmic Ray origin**

Speaker

Giovanni Morlino

12:00

Tuesday 9 August

09:00

Plenary session

Session | **Location:** Biosciences 1101 | **Convener:** Guillaume Giroux

09:00–09:30

Search for "Light" Dark Matter and CEvNS with NEWS-G and SBC experiments

Speaker

Marie Cécile Piro

10:00

09:30–10:00

Direct detection of dark matter at higher masses

Speaker

Hugh Lippincott

10:30

Plenary session

Session | **Location:** Biosciences 1101 | **Convener:** Dr Bradley Kavanagh

10:30–11:00

Dark Matter in Celestial Objects

Speaker

Rebecca Leane

11:00–11:30

Direct Detection of Low Mass Fast Moving Dark Matter

Speaker

Gopolang Mohlabeng

12:00

11:30–12:00

Cosmology and Fundamental Physics with (Extreme) Blazars

Speaker

Dr Mireia Nievas

Wednesday 10 August

09:00

Plenary session

Session | Location: Biosciences 1101 | Convener: Jamie Holder

09:00-09:30

The All-sky Medium-Energy Gamma-ray Observatory eXplorer: AMEGO-X

Speaker

Jeremy Perkins

09:30-10:00

Measurements of Galactic Gamma-Ray Sources with Imaging Atmospheric Cherenkov Telescopes

Speaker

Lars Mohrmann

10:00

10:30

Plenary session

Session | Location: Biosciences 1101 | Convener: Antoine David Kouchner

10:30-11:00

Neutrinos and Cosmic rays from Tidal Disruption Events

Speaker

Cecilia Lunardini

11:00-11:30

Precision neutrino physics with liquid scintillator detectors

Speaker

Gabriel Orebi Gann

11:30-12:00

Radio Detection of Ultra-High Energy Neutrinos

Speaker

Abigail Viereg

12:00

Thursday 11 August

09:00

Plenary session

Session | **Location:** Biosciences 1101 | **Convener:** Arthur McDonald

09:00–09:30 **Counting your dark matter halos**

Speaker

Prof. Annika Peter

09:30–10:00 **The Universe as a Lab for Dark Matter Physics**

Speaker

Prof. Cora Dvorkin

10:00

10:30

Plenary session

Session | **Location:** Biosciences 1101 | **Convener:** Prof. Katelin Schutz

10:30–11:00

Cusps, Cores and Kinematics: Modelling Gas in Galaxies to Measure Dark Matter

Speaker

Kristine Spekkens

11:00–11:30

Astroparticle Physics with the Forward Physics Facility at the High-Luminosity LHC

Speaker

Dennis Soldin

11:30–12:00

Pulsar Timing Arrays: The Next Window to Open on the Gravitational-Wave Universe

Speaker

Chiara Mingarelli

12:00

12:00

12:30

Plenary session: Closing remarks

Session | **Location:** Biosciences 1101 | **Conveners:** Joseph Bramante, Nahee Park, Aaron Vincent