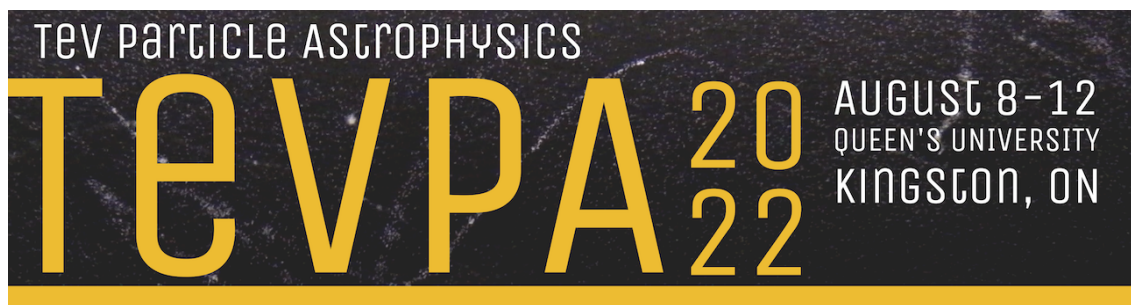


Session Program

8-12 Aug 2022



TeVPA 2022

Neutrinos

Sunday 7 August

14:00

Neutrinos: I - Humphrey Auditorium

Session | Location: | Convener: Shigeo Kimura

14:00-14:20

Search for correlations between high-energy neutrinos and blazars with IceCube

Speaker

Cristina Lagunas Gualda

14:20-14:40

Search for High-Energy Neutrinos from TDE-like Flares with IceCube

Speaker

Jannis David Necker

14:40-15:00

Ultrahigh-energy cosmic-ray induced gamma-ray and neutrino fluxes from blazars

Speaker

Soebur Razzaque

15:00-15:20

Propagation of Cosmic Rays in Plasmoids of AGN Jets-Implications for Multimessenger Predictions

Speaker

Ilja Jaroschewski

15:20

15:50

Neutrinos: II - Humphrey Auditorium

Session | Location: | Convener: Thomas McElroy

15:50-16:10

Latest results from the CUORE experiment

Speaker

Vivek Singh

16:10-16:30

LEGEND-1000: a future ton-scale experiment for Neutrinoless Double Beta Decay

Speaker

Michele Morella

16:30-16:50

Neutrino Oscillations with IceCube and the IceCube Upgrade

Speaker

David Jason Koskinen

16:50-17:10

MUTE: A Modern Calculation for Deep Underground and Underwater Muons

Speaker

Prof. Marie-Cécile Piro

17:10

Monday 8 August

14:00

Neutrinos: III - BioSci 1102

Session | Location: | Convener: steven prohira

14:00-14:20 **Tau Appearance from High-Energy Neutrino Interactions**

Speaker

Pavel Zhelnin

14:20-14:40

A model independent framework for measuring the neutrino-nucleon cross section at UHE neutrino detectors

Speaker

Dr steven prohira

14:40-15:00

Point sources of ultra-high-energy neutrinos: minimalist predictions for near-future discovery

Speaker

Damiano Fiorillo

15:00-15:20 **Exploring neutrino-matter interactions at the EeV energy frontier**

Speaker

Mr Victor Branco Valera Baca

15:20

15:50

Neutrinos: IV - BioSci 1102

Session | Location: | Convener: Soebur Razzaque

15:50-16:10 **IceCube Matter-Enhanced Sterile Neutrino Searches**

Speaker

Mr Benjamin Smithers

16:10-16:30 **Simulating neutrino echoes induced by secret neutrino interactions**

Speaker

Jose Carpio

16:30-16:50 **Towards Powerful Probes of Neutrino Self-Interactions in Supernovae**

Speaker

Po Wen Chang

17:10

Tuesday 9 August

14:00

Neutrinos: V - Humphrey Auditorium

Session | Location: | Convener: Qinrui Liu

14:00-14:20

Measurement of the Astrophysical Diffuse Flux Spectrum using Muon Neutrino Events with a Contained Vertex in IceCube

Speaker

Manuel Silva

14:20-14:40

A combined analysis of the diffuse astrophysical neutrino flux using IceCube's high-energy through-going muon tracks and cascades

Speaker

Erik Ganster

14:40-15:00

Methods for a consistent treatment of systematic uncertainties in a combined analysis of IceCube's high energy neutrino data

Speaker

Richard Naab

15:00

15:50

Neutrinos: VI - Humphrey Auditorium

Session | Location: | Convener: Lu Lu

15:50-16:10

Galactic and Extragalactic Southern Sky Neutrino Source Searches with IceCube Starting Track Events in the 1 to 100 TeV Energy Range.

Speaker

Sarah Mancina

16:10-16:30

Neutrino Astronomy with KM3NeT/ARCA

Speaker

Ms Rasa Muller

16:30-16:50

The Pacific Ocean Neutrino Experiment

Speaker

Dr Thomas McElroy

16:50

Wednesday 10 August

15:50

Neutrinos: VII - BioSci 1101

Session | Location: | Convener: Abigail Viereg

15:50-16:10

Status of the Radar Echo Telescope

Speaker

Dr steven prohira

16:10-16:30

Direction Reconstruction for the Radar Echo Telescope for Neutrinos (RET-N)

Speaker

Dylan Frikken

16:30-16:50

Recent progress towards a 5-station neutrino search with ARA

Speaker

Marco Muzio

16:50