

## **Session Program**

**7-11 Aug 2017**



## **TeV Particle Astrophysics 2017 (TeVPA 2017)**

### ***Plenary session***

Columbus, Ohio, USA

Hosted by the Center for Cosmology and AstroParticle Physics (CCAPP), The Ohio State University

# Sunday 6 August

09:10

## Plenary session

**Session** | **Location:** Davidson Theatre | **Conveners:** Tim Linden, John Beacom

09:10–09:40 **Challenges of particle physics theory**

**Speaker**  
Nima Arkani-Hamed

**Location**  
Davidson Theatre

09:40–10:10 **Galactic cosmic ray sources: a multimessenger view**

**Speaker**  
Julia Tjus

**Location**  
Davidson Theatre

10:10–10:40 **Coffee break**

10:40–11:10 **Indirect Searches for Dark Matter**

**Speaker**  
UNKNOWN UNKNOWN

**Location**  
Davidson Theatre

11:10–11:40 **PandaX Dark Matter Search**

**Speaker**  
Prof. Xiangdong Ji

**Location**  
Davidson Theatre

11:40–12:10 **Hidden-sector dark matter**

**Speaker**  
Kathryn Zurek

**Location**  
Davidson Theatre

12:10

# Monday 7 August

09:00

## Plenary session

**Session** | **Location:** Davidson Theatre | **Convener:** Mauricio Bustamante

09:00–09:30

### Neutrinos in the Era of Multimessenger Astronomy

#### Speaker

Francis Halzen

09:30–10:00

### Radio Detection of the Highest Energy Neutrinos

#### Speaker

Abigail Vieregg

10:00–10:30

### Coffee break

10:30–11:00

### Neutrino Astronomy - Fast Forward

#### Speaker

Mr Marek Kowalski

11:00–11:30

### Very high-energy emission from transients

#### Speaker

Raffaella Margutti

11:30–12:00

### Connections to Compact Dark Matter

#### Speaker

Prof. Marc Kamionkowski

12:00

# Tuesday 8 August

09:00

## Plenary session

**Session** | **Location:** Davidson Theatre | **Conveners:** James Beatty, Prof. Annika Peter

09:00–09:30 **Fast Radio Bursts and CHIME**

**Speaker**

Victoria Kaspi

09:30–10:00 **The new era of galactic cosmic rays**

**Speaker**

Veronica Bindi

10:00–10:30 **Coffee break**

10:30–11:00 **Ultra-High-Energy Cosmic Rays**

**Speaker**

Ralph Engel

11:00–11:30

**Cosmological magnetic fields and particle acceleration in the laboratory**

**Speaker**

Gianluca Gregori

11:30–11:48 **Cosmic-ray and gamma-ray anomalies and their interpretations**

**Speaker**

Daniele Gaggero

11:48–12:18 **Dark Energy Survey Year 1 Cosmology Results**

**Speaker**

Dr Elisabeth Krause

12:18

# Wednesday 9 August

09:00

## Plenary session

**Session** | **Location:** Davidson Theatre | **Conveners:** Dr Katie Auchettl, Tim Linden

### 09:00–09:30 High-energy x-rays

**Speaker**

Fiona Harrison

**Location**

Davidson Theatre

### 09:30–10:00 High-energy emission from compact astrophysical objects

**Speaker**

Dr Emma de Ona Wilhelmi

**Location**

Davidson Theatre

### 10:00–10:30 Coffee break

### 10:30–11:00 The Multi-TeV Northern sky seen with HAWC

**Speaker**

Prof. Miguel Mostafa

**Location**

Davidson Theatre

### 11:00–11:30 The Search of Dark Matter in the Gamma Ray Sky

**Speaker**

Prof. Mariangela Lisanti

**Location**

Davidson Theatre

### 11:30–11:48 Recent Updates on the 3.5 keV Line

**Speaker**

Esra Bulbul

**Location**

Davidson Theatre

### 11:48–12:06 Resolving High Energy Universe Using Strong Gravitational Lensing

**Speaker**

Anna Barnacka

**Location**

Davidson Theatre

12:06

# Thursday 10 August

09:00

## Plenary session

**Session** | **Location:** Davidson Theatre | **Conveners:** Prof. Annika Peter, Dr Katie Auchettl

### 09:00–09:30 TeV frontier in particle astrophysics

**Speaker**

Hitoshi Murayama

**Location**

Davidson Theatre

### 09:30–10:00 Gamma-Ray and Radio Emission from Star-Forming Galaxies

**Speaker**

todd thompson

**Location**

Davidson Theatre

### 10:00–10:30 Coffee break

### 10:30–11:00

### Follow the roars and chirps: characterizing compact object mergers with gravitational wave, electromagnetic and multi-messenger radiation

**Speaker**

Dr Samaya Nissanke

**Location**

Davidson Theatre

### 11:00–11:18 Small but mighty: Dark matter substructures

**Speaker**

Dr Francis-Yan Cyr-Racine

**Location**

Davidson Theatre

### 11:18–11:36 Measurements of the Local Value of the Hubble Constant

**Speaker**

Daniel Scolnic

**Location**

Davidson Theatre

### 11:36–11:54

### Observations of Supernova Remnants and Pulsar Wind Nebulae with VERITAS

**Speaker**

Amanda Weinstein

**Location**

Davidson Theatre

### 11:54–12:12 DAMPE and its first year in orbit

12:12

**Speaker**

Dr Stephan Zimmer

**Location**

Davidson Theatre