

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

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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