

Session Program

7-11 Aug 2017



TeV Particle Astrophysics 2017 (TeVPA 2017)

Cosmology

Columbus, Ohio, USA

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

Monday 7 August

14:00

Cosmology

Session | **Location:** The Athenaeum, Spartan Room | **Convener:** Martina Gerbino

14:00–14:15

Observing the Polarization of the Cosmic Microwave Background with SPIDER

Speaker

Alexandra Rahlin

14:15–14:30

A New Limit on CMB Circular Polarization from SPIDER

Speaker

Dr Johanna Nagy

14:30–14:45

SPT-3G: A new instrument on the South Pole Telescope

Speaker

Daniel Dutcher

14:45–15:00

Measuring the Cosmic Microwave Background B-mode Polarization with the POLARBEAR Experiment

Speaker

NEIL GOECKNER-WALD

15:00–15:15

High Accuracy Calibration Sources for Cosmic Microwave Background Polarimeters: POLOCALC

Speaker

Dr Federico Nati

15:15–15:30

Status and Recent Results from the BICEP Suite of Experiments at the South Pole

Speaker

Prof. Abigail Vieregg

15:30

16:00

Cosmology

Session | **Location:** The Athenaeum, Spartan Room | **Convener:** Dragan Huterer

16:00–16:30

Cosmology with the HETDEX survey

Speaker

Dr Donghui Jeong

16:30–16:45

CMB Foregrounds: Problems, Parameterizations, and Progress

Speaker

James Colin Hill

16:45–17:00

CMB Polarization B-mode Delensing with SPTpol and Herschel

Speaker

W.L. Kimmy Wu

17:00–17:15

Cosmology with the Lyman-alpha Forest**Speaker**

Prof. David Weinberg

17:15–17:30

Cosmological Results from BOSS and eBOSS**Speaker**

Ashley Ross

17:30–17:45

Emulating galaxy clustering and galaxy-galaxy lensing into the deeply nonlinear regime**Speaker**

Ben Wibking

17:45–18:00

Extremely Efficient Cosmological Perturbation Theory with FAST-PT**Speaker**

Xiao Fang

18:00

Tuesday 8 August

14:00

Cosmology

Session | **Location:** The Athenaeum, Spartan Room | **Convener:** Dragan Huterer

14:00–14:30 **Massive neutrinos in cosmology**

Speaker

Massimiliano Lattanzi

14:30–14:45 **Interacting neutrinos in cosmology: exact description and constraints**

Speaker

Isabel M. Oldengott

14:45–15:00

Constraints on secret interactions among sterile neutrinos from Planck 2015 data

Speaker

Francesco Forastieri

15:00–15:15 **Neutrinos with CMB and CMB lensing**

Speaker

Dr Alexander van Engelen

15:15–15:30 **Cosmological searches for a non-cold dark matter component**

Speaker

Miguel Escudero

15:30

Wednesday 9 August

14:00

Cosmology

Session | **Location:** The Athenaeum, Spartan Room | **Convener:** Tom Giblin

14:00–14:15

Sensitivity of cosmological data to the neutrino mass hierarchy

Speaker

Martina Gerbino

14:15–14:30

Cosmological Observables Beyond Linear Gravity

Speaker

Tom Giblin

14:30–14:45

Primordial non-Gaussianity and statistical anisotropy

Speaker

Saroj Adhikari

14:45–15:00

CLUMPY: A public code for γ -ray and ν signals from Dark Matter structures

Speaker

Moritz Hütten

15:00–15:15

Dark Matter Imprints of Heavy Long-Lived Particles

Speaker

Bibhushan Shakya

15:15–15:30

Searching for the Darkest Galaxies: Covering the Entire Southern Sky with DECam

Speakers

Alex Drlica-Wagner, Keith Bechtol

15:30

16:00

Cosmology

Session | **Location:** The Athenaeum, Spartan Room | **Convener:** Tom Giblin

16:00–16:30

Science with the Hyper Suprime-Cam Survey

Speaker

Rachel Mandelbaum

16:30–16:45

Maximizing Information-Extraction from Next-Generation Surveys

Speaker

Dr Zachary Slepian

16:45–17:00

Failures of homogeneous and isotropic cosmologies in Extended Quasi-Dilaton Massive Gravity

Speaker

Mr Saurabh Kumar

17:00

Thursday 10 August

14:00

Cosmology

Session | **Location:** The Athenaeum, Spartan Room | **Convener:** Tom Giblin

14:00–14:15

Blazar Halo Morphology as a Probe of Helical Intergalactic Magnetic Fields

Speaker

Andrew Long

14:15–14:30

Weak lensing science with the WFIRST high-latitude survey

Speaker

Rachel Mandelbaum

14:30–14:45

Probing Dark Energy with the Canadian Hydrogen Intensity Mapping Experiment (CHIME)

Speaker

Dr Richard Shaw

14:45–15:00

Cosmological Tests with Type Ia Supernovae

Speaker

Dr Daniel Shafer

15:00–15:30

Sample variance in the local measurements of the Hubble constant

Speaker

Hao-Yi Wu

15:30