## **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

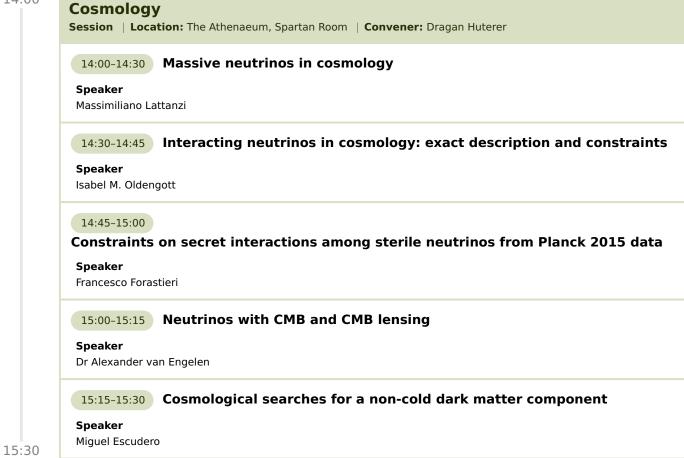
17:45-18:00 Extremely Efficient Cosmological Perturbation Theory with FAST-PT

Speaker
Xiao Fang

18:00

### **Tuesday 8 August**

14:00



3

#### 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  $\gamma$ -ray and  $\nu$  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 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