Session Program

Jun 8 – 13, 2025

15th Conference on the Intersections of Particle and Nuclear Physics (CIPANP 2025) Madison Wisconsin June 9-13

Cosmic Physics and Dark Energy, Inflation, and Strong-Field Gravity:

Tue, June 10

3:30 PM

Cosmic Physics and Dark Energy, Inflation, and Strong-Field Gravity:: Parallel 4

Session | **Location:** Capital View | **Convener:** Mathew Madhavacheril

3:30 – 3:50 PM

SPT-3G: Cosmology from CMB Lensing and Delensed EE Power Spectra Using 2019-2020 Polarization Data

Speaker
Fei Ge

3:50 – 4:10 PM

Probing the dark sector with CMB secondary anisotropies

Speaker
Samuel Goldstein

4:10 – 4:30 PM

Fundamental Physics with CMB-S4

Speaker
Jeff McMahon

4:30 – 4:50 PM

Cosmology in the Era of Gravitational-Wave Multi-Messenger Astronomy

Speaker
Hsin-Yu Chen

5:00 PM

Wed, June 11

4:00 PM

Cosmic Physics and Dark Energy, Inflation, and Strong-Field Gravity:

Session | **Location:** Multicultural Greek | **Convener:** Mathew Madhavacheril

4:00 – 4:20 PM

Cosmological Parameter Inference with Machine Learning - Recent Results and Challenges

Speaker
Moritz Muenchmeyer

4:20 – 4:40 PM

Cosmological tests of the nature of dark matter

Speaker
Keir Rogers

4:40 – 5:00 PM

CMB Emulators and their application for beyond LCDM models

Speaker
Yijie Zhu

5:00 – 5:20 PM

Cosmological Constant and Condensates

Speaker
Keh-Fei Liu

6:00 PM