

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

Tuesday, June 10, 2025

Cosmic Physics and Dark Energy, Inflation, and Strong-Field Gravity:: Parallel 4 (3:30 PM - 5:00 PM)

-Conveners: Mathew Madhavacheril

| time | [id] title | presenter |
|---------|---|-------------------|
| 3:30 PM | [58] SPT-3G: Cosmology from CMB Lensing and Delensed EE Power Spectra Using 2019-2020 Polarization Data | GE, Fei |
| 3:50 PM | [73] Probing the dark sector with CMB secondary anisotropies | GOLDSTEIN, Samuel |
| 4:10 PM | [284] Fundamental Physics with CMB-S4 | MCMAHON, Jeff |
| 4:30 PM | [121] Cosmology in the Era of Gravitational-Wave Multi-Messenger Astronomy | CHEN, Hsin-Yu |

Wednesday, June 11, 2025

Cosmic Physics and Dark Energy, Inflation, and Strong-Field Gravity: (4:00 PM - 6:00 PM)

-Conveners: Mathew Madhavacheril

| time | [id] title | presenter |
|---------|---|---------------------|
| 4:00 PM | [67] Cosmological Parameter Inference with Machine Learning - Recent Results and Challenges | MUENCHMEYER, Moritz |
| 4:20 PM | [55] Cosmological tests of the nature of dark matter | ROGERS, Keir |
| 4:40 PM | [32] CMB Emulators and their application for beyond LCDM models | ZHU, Yijie |
| 5:00 PM | [132] Cosmological Constant and Condensates | LIU, Keh-Fei |