



# 2024 Summer Collaboration Meeting

## Wednesday, July 31, 2024

### Plenary: Opening Session - Main Auditorium (9:00 AM - 11:02 AM)

-Conveners: Felipe Menanteau

time	[id] title	presenter
9:00 AM	[32] Welcome to NCSA	Prof. VIEIRA, Joaquin
9:10 AM	[33] Meeting Goals	MCMAHON, Jeff
9:25 AM	[35] Project Report- Status and Path Forward	STRAIT, Jim CARLSTROM, John
9:55 AM	[34] CMB-S4 Science Program	Prof. BISCHOFF, Colin Dr TRENDAFILOVA, Cynthia BECK, Dominic VAVAGIAKIS, Eve RAGHUNATHAN, Srinivasan GHOSH, Subhajit EFTEKHARI, Tarraneh MACCARONE, Tom
10:41 AM	[61] Fireslides	KOFMAN, Anna ZITO, Donald FILIPPINI, Jeffrey MEYERS, Joel GROH, John Dr HOOD, John PHADKE, Kedar YOUNG, Matthew EIBEN, Miranda PUDDU, Roberto MACKEY, Scott SHAIKH, Shabbir GIBBS, Sho WAN, Yujie

### Plenary: Updates from the CMB Community - Ground Based Experiments - Main Auditorium (11:15 AM - 1:00 PM)

-Conveners: Colin Bischoff

time	[id] title	presenter
11:15 AM	[41] Atacama Cosmology Telescope	DUIVENVOORDEN, Adriaan
11:32 AM	[42] South Pole Telescope	RAGHUNATHAN, Srinivasan
11:49 AM	[43] Cosmology Large Angular Scale Surveyor (CLASS)	EIMER, Joseph
12:06 PM	[45] Simons Observatory	HARRINGTON, Katie
12:23 PM	[44] BICEP / Keck	Dr DIERICKX, Marion

### Plenary: Updates from the CMB Community - Space Based Experiments - Main Auditorium (2:00 PM - 2:40 PM)

-Conveners: Lindsey Bleem

time	[id] title	presenter
2:00 PM	[46] LiteBIRD	BACCIGALUPI, Carlo
2:17 PM	[47] Future Satellite Missions	LAWRENCE, Charles

**Plenary: Discussion of CMB-S4 strategy in context - Main Auditorium (2:40 PM - 3:25 PM)**

**-Conveners: Jim Strait; John Carlstrom**

time	[id] title	presenter
2:40 PM	[77] Open Discussion	STRAIT, Jim CARLSTROM, John

**Plenary: Overview of Chile-only instrument and r-forecasting - Main Auditorium (3:55 PM - 5:45 PM)**

**-Conveners: John Ruhl; John Carlstrom**

time	[id] title	presenter
3:55 PM	[48] Overview [John Carlstrom]	CARLSTROM, John
4:05 PM	[49] SAT & LAT Designs and Considerations [John Ruhl]	RUHL, John
4:20 PM	[50] Efficacy of rotating 1/2 wave plates in Chile [Adrian Lee]	LEE, Adrian
4:30 PM	[51] Efficacy of Variable-delay Polarization Modulator in Chile [Yunyang Li]	Dr LI, Yunyang
4:40 PM	[52] Temperature and Polarization Anisotropy of the Atmosphere [Anna Coerver]	COERVER, Anna
4:55 PM	[53] Chile r-forecasting: Foregrounds models [Susan Clark and Brandon Hensley]	HENSLEY, Brandon CLARK, Susan
5:05 PM	[54] Chile r forecasting: Sky area selection and scan strategy [Sara Simon]	Dr SIMON, Sara
5:15 PM	[55] Chile r-forecasting: Delensing and map based validation [Raphael Flauger]	FLAUGER, Raphael
5:25 PM	[56] Chile r-forecasting: r-forecasting and map based validation [Colin Bischoff]	Prof. BISCHOFF, Colin

# Thursday, August 1, 2024

## Plenary: Collaboration Committee Updates - Main Auditorium (9:00 AM - 9:45 AM)

-Conveners: Jeff McMahon

time	[id] title	presenter
9:00 AM	[80] Collaboration Committee Updates	

# Friday, August 2, 2024

## **Plenary: Report Back from Breakouts - Main Auditorium (10:00 AM - 11:00 AM)**

-Conveners: Lindsey Bleem; Colin Bischoff

time	[id] title	presenter
10:00 AM	[79] Report Back from Breakouts	

## **Plenary: Proposal Q&A with DOE - Main Auditorium (11:00 AM - 11:30 AM)**

time	[id] title	presenter
11:00 AM	[60] Q&A with DOE Program Managers Kathy Turner and Bryan Field	

## **Plenary: JSAC: Early Career Plenary Talks - Main Auditorium (11:30 AM - 11:55 AM)**

-Conveners: Evan Grohs

time	[id] title	presenter
11:30 AM	[69] The Diffused Polarized ALPs (Axion-like Particles) Power Spectrum in the Microwave Sky	MEHTA, Harsh
11:42 AM	[70] New Planck PR4 polarized dust maps	RUSSIER, Elisa

## **Plenary: Closeout - Main Auditorium (11:55 AM - 12:25 PM)**