

Cosmology with CMB-S4 Agenda

DAY 1 9/21/15						
Start	Stop	Session Type	First Topic (or Plenary)	Session organizers (Coordinators / moderators)	Second Topic	Session organizers (Coordinators / moderators)
8:30	9:00	Breakfast / Arrive				
9:00	9:15	Plenary	Welcome and Meeting Overview	Jeff McMahon		
9:15	9:40	Plenary	CMB-S4 roadmap	John Carlstrom		
9:40	10:00	Plenary	When Projects get a large DOE Involvement	Harry Weerts		
10:00	10:10	Move Rooms				
10:10	11:10	Breakout 1	Inflation - tests with CMB / challenges B-modes challenges: foregrounds and de-lensing	Lloyd Knox (lead) Jo Dunkley	Dark Energy / Gravity Tests / Dark Matter Distinguishing Mechanisms of Cosmic Acceleration	Bill Holzapfel & Wayne Hu (co-leads) Rob Caldwell
11:10	11:40	Coffee Break				
11:40	12:40	Breakout 2	NonGaussianity, ns, running, anomalies	Raphael Flauger	Cluster SZ and challenges	Brad Benson
12:40	14:00	Lunch				
14:00	15:00	Breakout 3	Milestones for inflation and alternative models	Sara Shandara	Diffuse SZ effects / mapping momentum/ Dark Matter	Francesco de Bernardis & Cora Dvorkin
15:00	15:30	Break / prep time	Coordinators/Moderators prepare for Plenary			
15:30	17:00	Plenary	Summary and Discussion of all Breakouts			
17:00	17:30	Wine, Cheese, and Beer				
17:30	18:15	Panel Discussion	Ground - Balloon - Space Synergy	moderator: Clem Pryke (panelists: Hanany, Lee, Page, Delabrouille, Lawrence, Ruhl)		
19:00		Workshop Dinner	At Lena			

DAY 2 9/22/15						
Start	Stop	Session Type	First Topic (or Plenary)	Session organizers (Coordinators / moderators)	Second Topic	Session organizers (Coordinators / moderators)
8:30	9:00	Breakfast / Arrive				
9:00	9:15	Plenary	remarks / updates / announcements			
9:15	10:15	Breakout 1	Instrumentation I Detectors	Adrian Lee (lead) Amber Miller	Instrumentation II Telescopes designs	Suzanne Staggs (lead) Steve Padin
10:15	10:45	Coffee Break				
10:45	11:45	Breakout 2	Readout	Kent Irwin	Optics / modulators	Jeff McMahon
11:45	13:30	Lunch and prep time				
13:30	14:45	Plenary	Summary and Discussion of all Breakouts			
14:45	15:15	Coffee Break				
15:15	16:00	Plenary	Next Steps & Homework			

ADJOURN 5PM --- hard cutoff

Day 1 9/21/15				
Start	Stop	Third Topic	Session organizers (Coordinators / moderators)	
10:00	11:00	Neutrino and light relativistic species / constraints / methods / challenges N_eff and Beyond	Akito Kusaka & Dan Green (co-leads) George Fuller	
11:00	11:30			
11:30	12:30	Neutrino mass	Marilena Loverde	
12:30	2:00			
2:00	3:00	Cosmological constraints in the context of lab measurements	Alex Friedland	

DAY 2 9/22/15					
Start	Stop	Third Topic	Session organizers (Coordinators / moderators)	Fourth Topic	Session organizers (Coordinators / moderators)
9:15	10:15	CMB-lensing science / challenges CMB-lensing reconstruction / challenges / foregrounds	Gil Holder (lead) Neelima Sehgal & Alex van Engelen	Simulations and Data Analysis Standardized data, tools / simulations	Julian Borrill (lead) Nick Battaglia
10:15	10:45				
10:45	11:45	Correlation challenges and brainstorming	Blake Sherwin	Forecasting	John Kovac & Jacques Delabrouille