

Science Council

co-chairs: Gil Holder (UIUC) and Lloyd Knox (UC Davis)

This talk exists to:

- Inform the collaboration of near-term Science Council goals and activities.
- Make sure you feel encouraged to contribute, and that you know how to get started with that (if you have not done so already).

Science Council's Primary Goal (Now)

- Generate broad community support, and decadal committee support, for CMB-S4 by communicating the value of CMB-S4 science

Vehicles for achieving this goal

- Speaking at Conferences (Publications Committee)
- Science White Papers
- Decadal Survey Report

How we're organized: Science Council Analysis Working Groups (AWGs)

- Primordial Gravitational Waves (GravitationalWaves@cmb-s4.org)
- Primordial Density Perturbations (DensityPerturbations@cmb-s4.org)
- Light Relics (LightRelics@cmb-s4.org)
- Neutrino Mass (NeutrinoMass@cmb-s4.org)
- Dark Matter (DarkMatter@cmb-s4.org)
- Dark Energy (DarkEnergy@cmb-s4.org)
- Galaxy Formation and Evolution (GalaxyFormation@cmb-s4.org)
- Legacy Catalogs (LegacyCatalogs@cmb-s4.org)

Go to Science Council wiki

go to Science White
Papers CMB community
page

Science White Papers

- The SWP effort is larger than S4: we are working with leadership of other CMB projects (LiteBird, PICO) to make sure this is a CMB community process. We want to speak with one voice.
- Contact the coordinator(s) to figure out how to contribute. Contact Shaul Hanany to edit the wiki (e.g., to add your name as a contributor).
- Coordinators need to ensure all stakeholders know what's going on and have a chance to contribute.
- Some papers will be led by non-CMB people — the “coordinator” for that role is someone making sure CMB is well-represented in those SWPs.

Science White Paper organizational session on Saturday,
10:10-11

Decadal Survey Report Science Chapter

- What CMB-s4 can achieve scientifically and why it is valuable
- About 5 pages for each AWG: note that this is way shorter than the Science Book.
- Details of forecasting to be included in an Appendix

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Find AWG coordinator contact info, meeting times, telecon notes on the Science Council portion of the CMB-S4 wiki