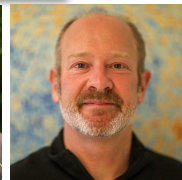# Collaboration Update Spring 2023
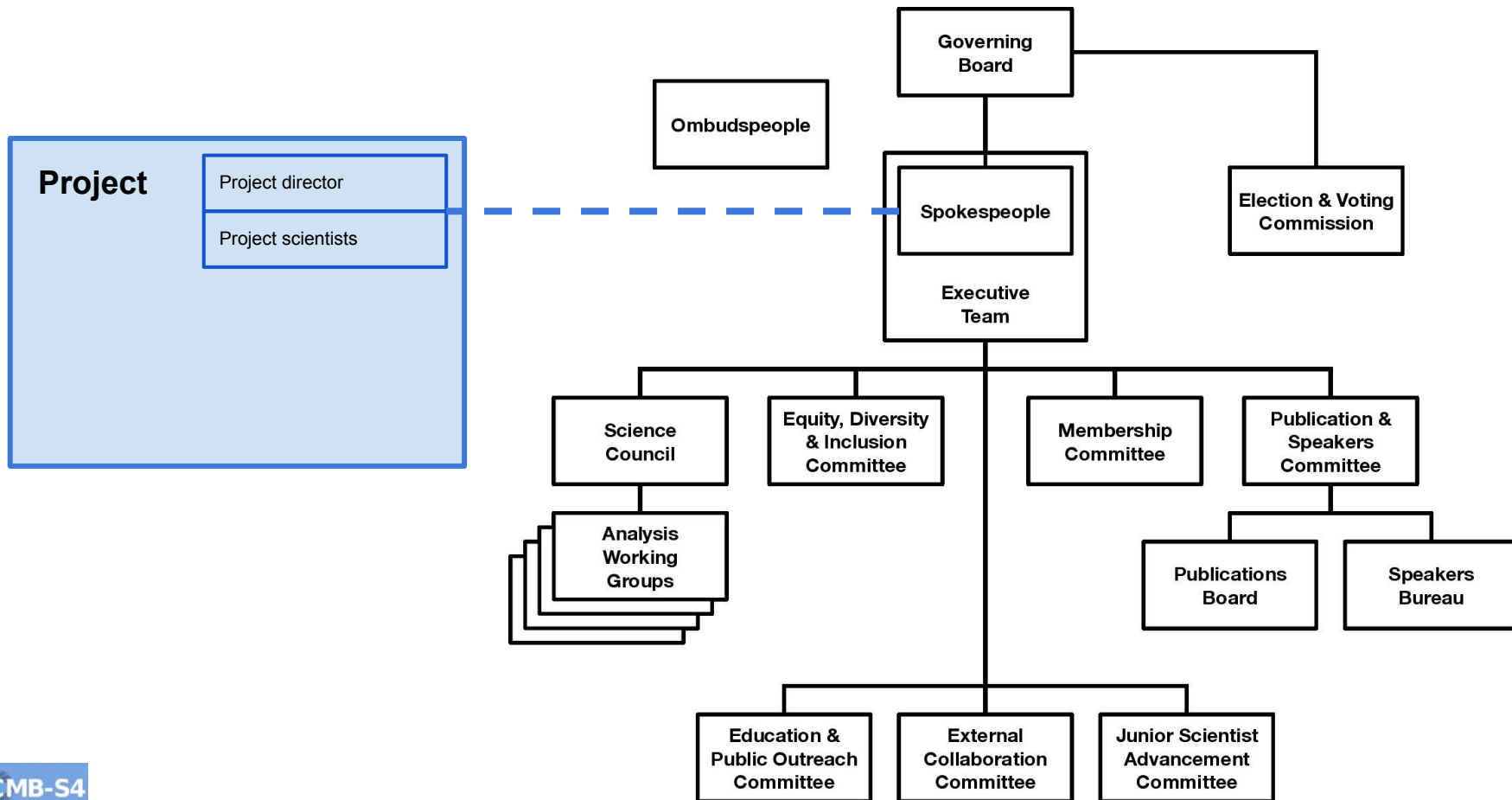
Spokespeople: Kevin Huffenberger (he/him), Jeff McMahon (he/him)
Executive team members
Other committee chairs

CMB-S4

Executive Team Membership

- **Publication & Speakers chair** - Eric Linder
  (elected 2022)

- **Membership chair** - Sarah Shandera
  (elected 2022)

- **Science Council co-chairs** - Colin Bischoff & Joel Meyers
  (elected 2022)

- **Equity, Diversity, & Inclusion co-chairs** -
  Sara Simon & Felipe Menanteau
  (appointed 2022, confirmed by Governing Board)

- **Co-spokespeople** - Kevin Huffenberger & Jeff McMahon
  (elected 2022)

Collaboration Organization

Collaboration Accomplishments

- Analysis of Alternatives

- Strong, cohesive performance at the P5 town hall

- Framework for international partnerships, under development

- Spokespeople provided letters of support for grant proposals

- Projects/papers proposed and papers published

- LiteBIRD MOU

CMB-S4

Collaboration Goals

- Update Preliminary Baseline Design Report based on revised design

- Make significant progress on Science Book 2nd edition

- Pipeline development and processing of data challenges

- Enumerate Collaboration scientific and social values

- Plan a summer meeting with strong ties to other astronomical communities

- Continue production of papers and proceedings

- Talks and outreach - contact your local colloquium and seminar committees, invite speakers to your institution!

CMB-S4

Framework for international partners 1/2

- US agencies that are funding the bulk of project (on behalf of the US participants) will insist on contributions from non-US partners on behalf of collaborators at non-US institutions.
- This means that, after a time, non-US participants will need to be represented by an institution/agency/consortium that is responsible for a defined contribution to the project. For some time, the welcome letters have noted this to new members from outside the US.
- The project will negotiate individual agreements with partner agencies.
- We have been developing a preliminary framework document that captures our goals for what those agreements to look like, and sharing it with the project director, project scientists, and governing board.
- Many details to work out
- Make sure the Executive Team and Governing Board know your concerns

CMB-S4

Framework for international partners 2/2

- Working concept's main features:
  - Contributions that are negotiated with the project will come with a certain number of senior memberships.
  - Contributions to CMB-S4 may be cash or in-kind.
    - In-kind contributions must either directly offset construction project costs (such as project hardware) or otherwise enable the project (providing a site, validating and verifying the design, or retiring risk).
    - May include contributions to other projects that are repurposed for CMB-S4.
    - The project determines the value of the contribution
  - The partner institutions may designate who is to be considered eligible for membership under the agreement.
  - Our governing board will maintain final control over our membership, and collaboration structure/governance is unchanged.
  - Partner agencies can provide feedback to the project via an advisory *Project Resource Board*.
  - Once the framework goes into effect, members will have a reasonable time period (perhaps 18 months) to show that progress toward an agreement is occuring.

CMB-S4

Publication & Speakers Committee

Eric Linder *(he/him)*

CMB-S4

Pub Board

PB Members:

Jim Bartlett
Francis-Yan Cyr-Racine
Eleonora Di Valentino
Tom Essinger-Hileman
Howard Hui
Kirit Karkare
Bruce Partridge
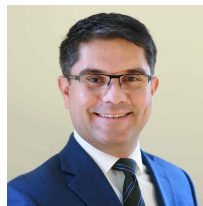Elena Pierpaoli

Speakers Bureau

SB Members:

Kev Abazajian
Ritoban Basu Thakur
Francois Bouchet
Johanna Nagy

CMB-S4

9

Speakers Bureau

- Meetings of Interest – keep your CMB-S4 work in the limelight! (also sent as a monthly mailing).

- Talk Abstracts and Slides – look for useful abstracts and slides from past talks, and **upload your new abstracts/slides**.

- See Speakers Bureau How To for how to get your request to speak / abstract / talk approved **before** submission.

- **Volunteer** in advance – SB often has little time to respond to a conference's request for a speaker, so let SB know your interests/expertise in advance.

- **Always include** "*for the CMB-S4 Collaboration*" on your title slide!

CMB-S4

Publications Board

- See [Publications Board How To](#) for how to go from a concept to a project proposal to a paper to a publication. It all starts with your working group.

- [Project Proposal Template](#) – latest version (tex template), easy to fill in.

- Define project category as either Key Science (alphabetical authors), Non-Key Science Data, Non-Key Science Forecast/Technical Report (defined in [Bylaws](#) 9.3). Since we don't have data yet, *almost all proposals should be in the last category*!

- 5 papers published in last year, 2 in review, many in process. Keep 'em coming!

- [List of Projects/Papers](#) – lots of exciting results underway.

CMB-S4

Membership Committee

Sarah Shandera *(she/her)*

Overview

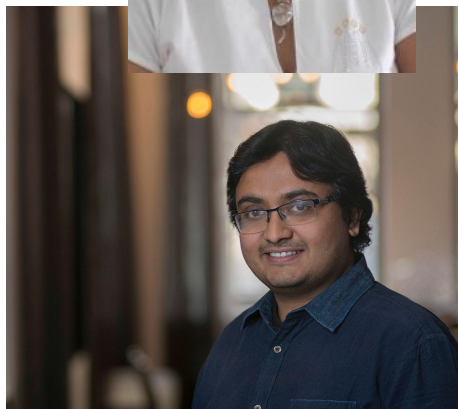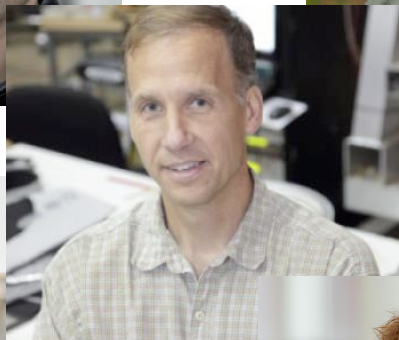**Current Committee:**

Pete Barry
Jamie Bock
Aurelien Fraisse
Vera Gluscevic
Suvodip Mukherjee
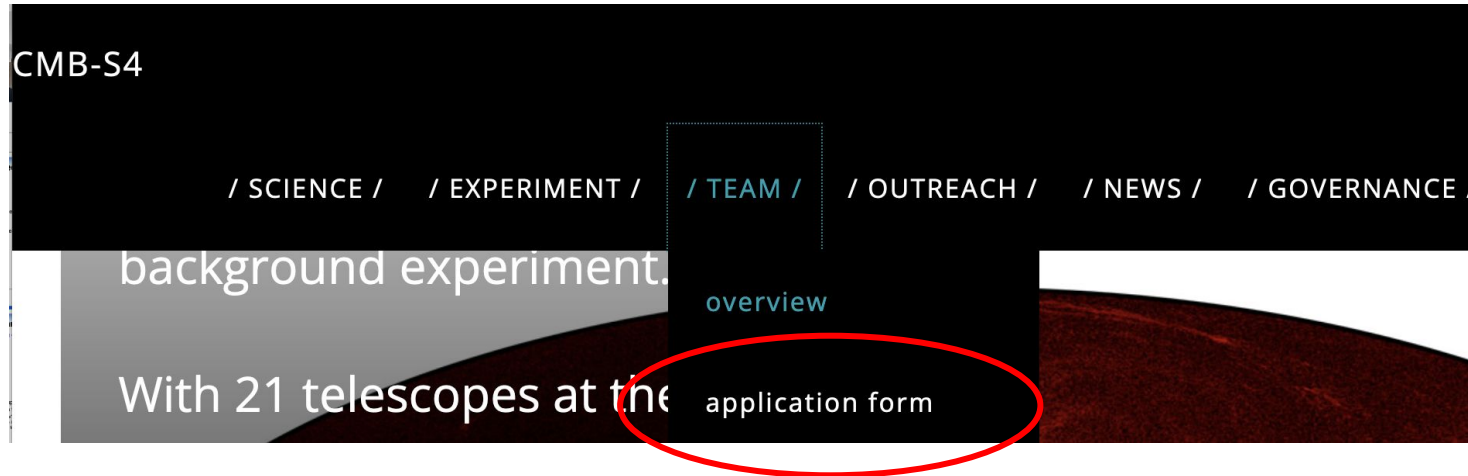Maria Salatino
Sarah Shandera

Membership Committee tasks

1. Review new applications

2. Conduct Annual Activity Report and Review process

3. Review Membership policies and make recommendations to the Governing Board

Membership Applications and Changes in Status

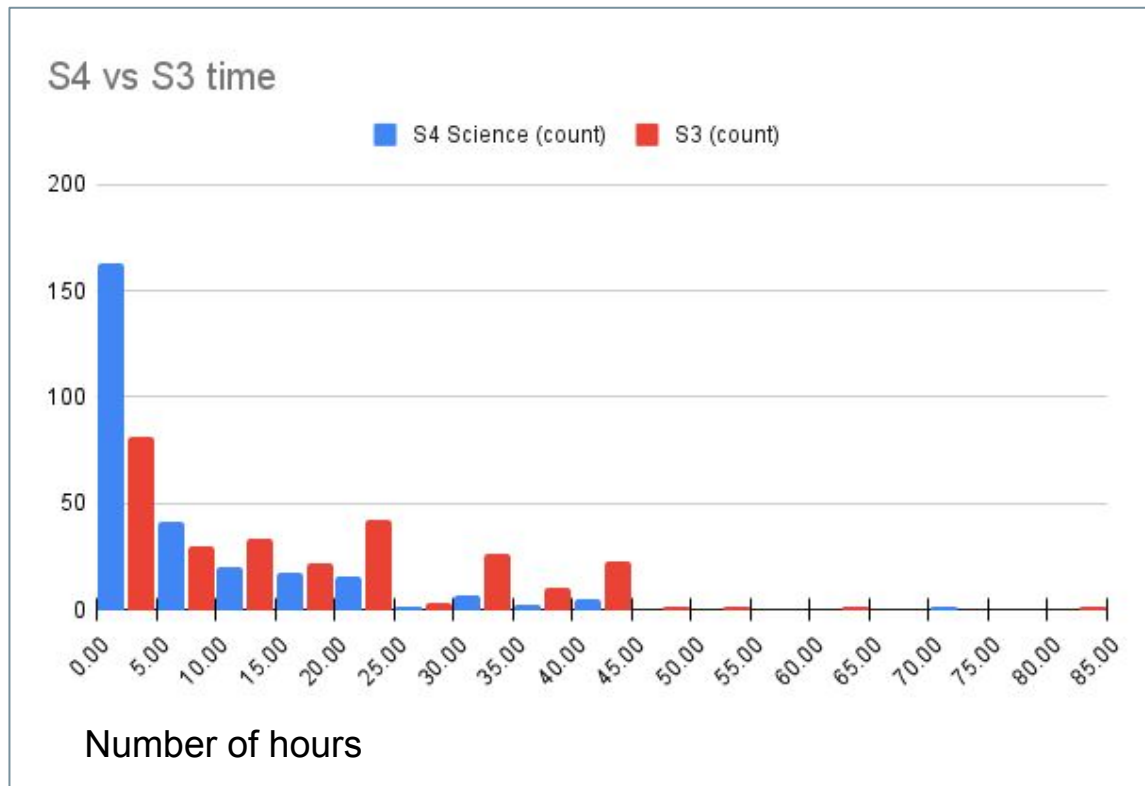- New Senior members: Go to cmb-s4.org -> TEAM -> application form

- Status change and new student or supervised postdocs: Go to cmb-s4.org/team-page -> scroll down to Membership
  - For Senior members: "Supervisor interface" to add student and postdoc members (Note: you may need to clear cache, or go incognito for login to work)
  - For postdocs moving toward senior: Form for "intended senior membership"
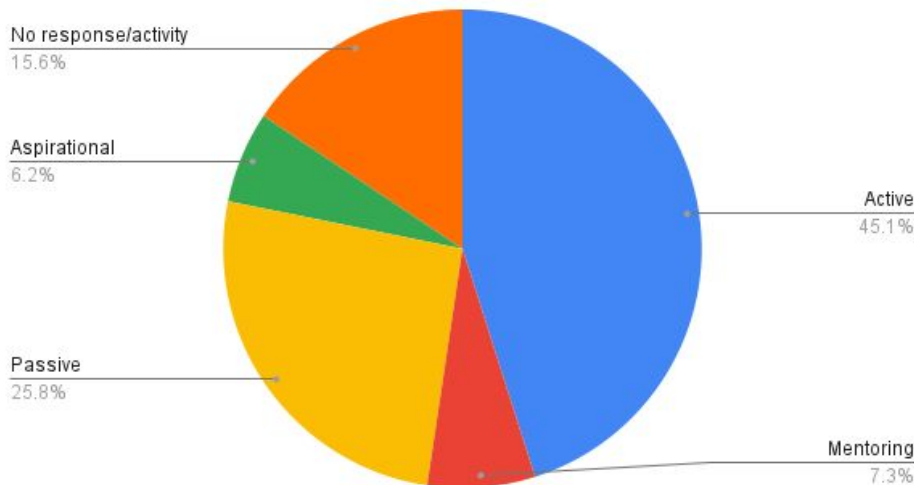
2022 Activity Reports

- 287 of 338 members responded
- Stage 3 work continues
- Many people participated in Snowmass
- Lots of S4 progress

Number of hours

2022 Activity Reports: Values

"Recently, CMB-S4 identified important values to our collaboration, including a Collaborative and Supportive Environment, Inclusion, Respect, Integrity, Anti-racism, and Equity. Looking back over this time period and looking forward to the next year, please describe any ways that your activities, work, working practices, or plans have supported or will support our values. These ways may be informal or formal."

Types of Responses to Values Question

No response/activity
15.6%

Aspirational
6.2%

Passive
25.8%

Active
45.1%

Mentoring
7.3%

CMB-S4

Equity, Diversity & Inclusion Committee

Sara Simon *(she/her)* **& Felipe Menanteau** *(he/him)*

Committee Membership

Sara Simon
she/her
Co-chair
FNAL

Felipe Menanteau
he/him
Co-chair
UIUC

Shawn Henderson
he/him
SLAC

Abby Crites
she/her
Cornell U.

Tom Crawford
he/him
KICP

Marco Raveri
he/him
U. Penn

Eleonora Di Valentino
she/her
U. Sheffield

Mustafa Amin
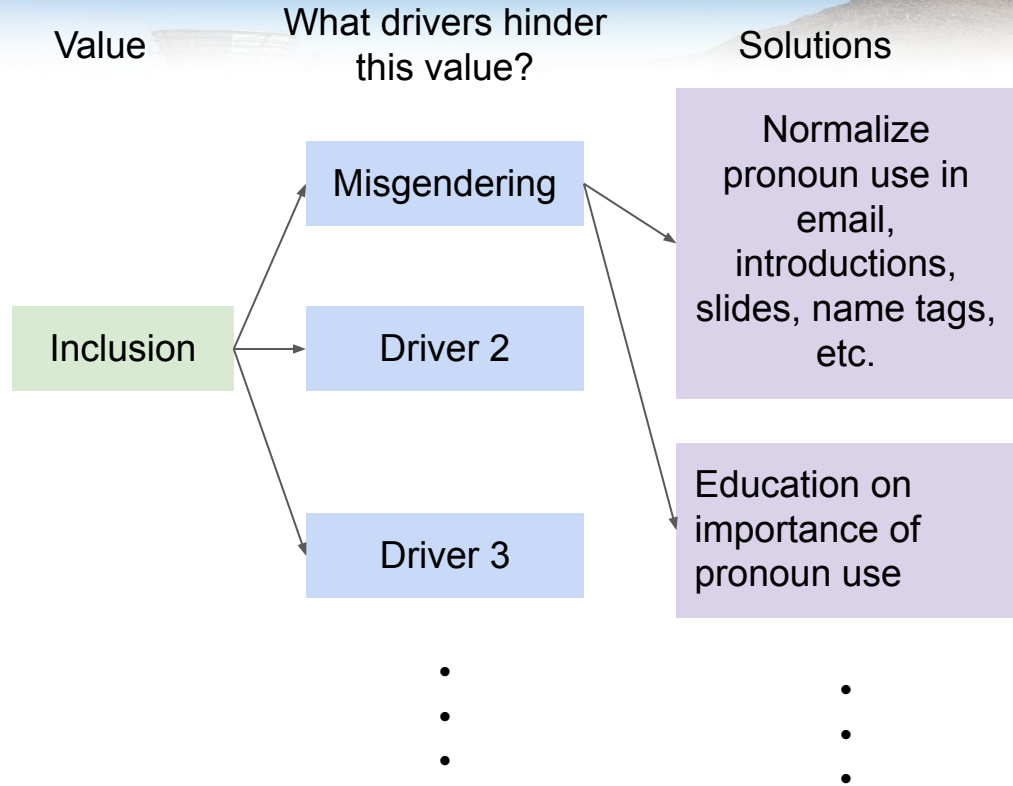*he/him*
Rice University

Mailing list and meetings are open, so feel free to join at any time!

Updates and Progress

- Our [charge](#) is to provide guidance to create and uphold a safe, welcoming, and open community where everyone can grow and reach their full potential

- Main focus has been developing a values and vision statement that includes social values + scientific values

  - [Social values are in the final draft stage and open for feedback](#)→ developed through session at collaboration meeting last year, can use comment feature in doc

  - Scientific values have been in development with the Science Council→ feedback from the working session will be used to help further develop a draft of these that will be presented at the next meeting

- Developing a meetings best practices guide based on literature review

- Meetings are currently every other week on Thursdays 3 pm CT→ Next one on April 20th, on S4 calendar

  - edic email list and slack channel

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Value Flowdown

- Working to flow values into recommendations to put them into action

- Use values statement to develop a long-term strategic EDI plan
  - Driver diagram flowdown process
  - Implement best practices from list of recommendations EDI committee developed from literature review
  - Identify and develop resources for upholding values long-term

Value

What drivers hinder this value?

Solutions

Inclusion

Misgendering

Driver 2

Driver 3

Normalize pronoun use in email, introductions, slides, name tags, etc.

Education on importance of pronoun use

CMB-S4

Science Council

Joel Meyers *(he/him)* **& Colin Bischoff** *(he/him)*

Committee Membership

Clusters

Jim Bartlett
(APC - U. of Paris)

Srini Raghunathan
(Illinois)

Low-ℓ BB

Dominic Beck
(Stanford)
Interim co-lead

Kimmy Wu
(SLAC)

Maps to C_ℓ

Marilena LoVerde
(Washington)

Christian Reichardt
(Melbourne)

Maps to Other Statistics

Alex van Engelen
(Arizona State)

Blake Sherwin
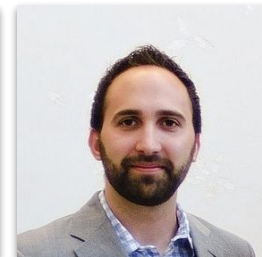(Cambridge)

Sources and Transients

Anna Ho
(Cornell)

Joaquin Vieira
(Illinois)

Co-Chairs

Colin Bischoff
(Cincinnati)

Joel Meyers
(SMU)

CMB-S4

Science Council

Charge: Help to produce a coherent plan for advancing the science goals of the Collaboration and work to carry it out.

Membership: Leads of the Analysis Working Groups (appointed by Spokespersons) + 2 elected co-chairs.

Other Duties:

- Approves the projects that lead to publications (procedure from Pub Board)
- Responsible for maintaining a list of Key Science topics

Science Council - Recent Activities

- Approval of various CMB-S4 Collaboration Projects
  - List of approved projects (link)
  - List of Key Science Topics (link)
  - Please reach out to the Science Council as you develop new project ideas

- Engagement with Snowmass 2022 process (link)
  - CMB-S4 had a strong presence and thorough involvement
  - We are well-positioned and hopeful for positive recommendation from P5

- Assistance on external collaboration with LiteBIRD
  - Worked with External Collaboration Committee, Executive Team, and Governing Board

Science Council - Upcoming Activities

- Finalize Preliminary Baseline Design Report

- Prepare for upcoming Agency Reviews

- Coordinate analysis of Data Challenge simulations

- Science Book, Second Edition

CMB-S4

Junior Scientist Advancement Committee

Lindsey Bleem (she/her)

Members

Darcy Barron

Lindsey Bleem (Chair)
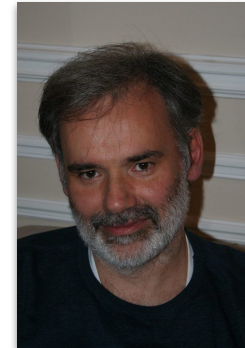

Evan Grohs

Thuong Hoang (Vice Chair)

Karthik Prabhu

Sara Simon

Radek Stompor

Recent events

- Spring 2023
  - Pre-Meeting last Thursday ([link to slides and recordings](#))

- Fall 2022
  - Career advice (one-on-one pairings of junior job seekers with senior members)

- Summer 2022 Meeting
  - Junior Talks Session
  - Junior members closed session with GB representative
  - Career/networking event: Randomized Coffee Trials

CMB-S4

Upcoming Proposal Workshop Series

JSAC is planning a series of workshops on proposal writing. As part of our planning we want to hear from early career members! What questions do you have about the proposal process? What areas would you most like to improve? Please see JSAC email Feb 17 and add questions and comments to the google form linked here:
https://forms.gle/XLoQqX91kkwoWBwcA

Topics

- Information on Sources of Funding
- Proposal Review Process
- Mechanics of Proposal Writing
- CMB-S4 Specific Proposal Related Questions

Senior Members - Interested in volunteering to speak or be a panelist on one of these subjects? Let us know at jsac@cmb-s4.org.

CMB-S4

Education & Public Outreach Committee

Committee Members

Kasey Wagoner
EPOC Chair

Felipe Maldonado

Juliet Crowell

Tom Crawford

Colin Bischoff

Sara Simon

Ben Saliwanchik

Nick Galitzki

CMB-S4 Space Science Series April 2023

International High School Program

- Zoom webinar
- Session Dates: April 8,15, 22 and 29
- Time: 10:00 am - 12:30 pm (CDT)
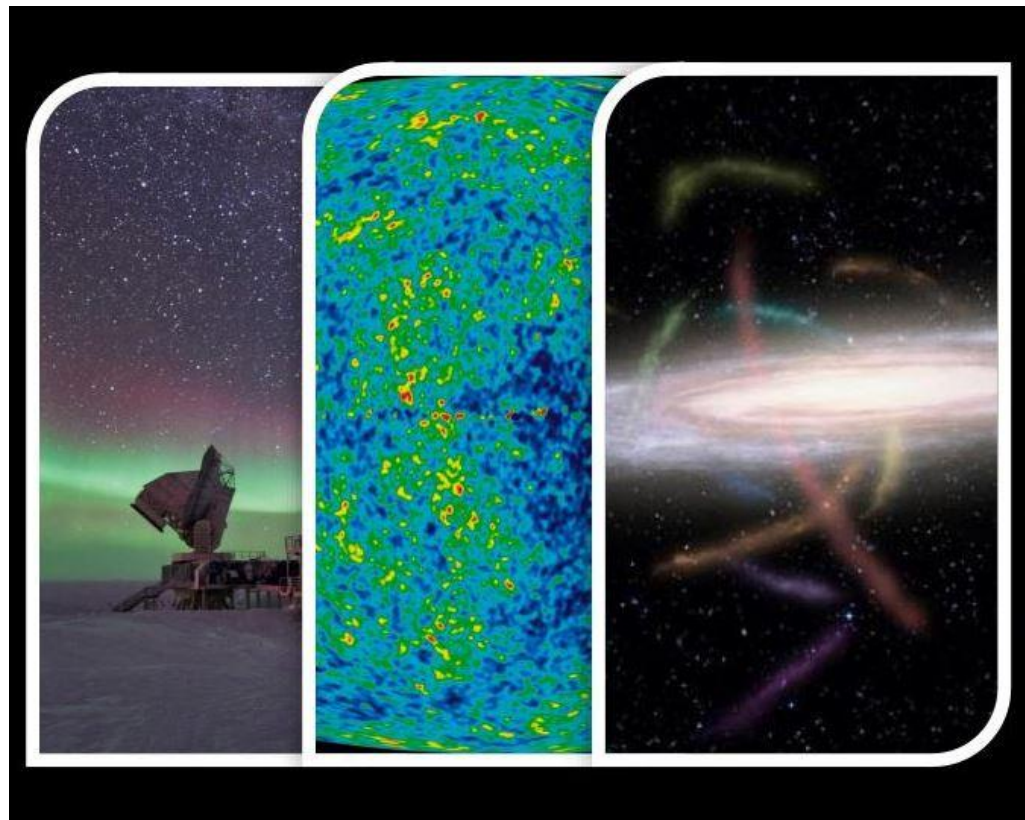- 116 high school students registered

Series Speakers

Marilena LoVerde, Kimmy Wu, Erin Healy,

Bruce Partridge, Clara Vergès, Eve Vavagiakis,

Mark Devlin and Sara Simon

Moderators: Felipe Maldonado and Juliet Crowell

CMB-S4

Education and Public Outreach Committee

Wednesday Morning EPOC Session (20 min)

- National Public Radio (NPR)
  - Reset Podcast
  - Wait, Wait, Don't Tell Me
- CMB-S4 Outreach Starter Kit
  - List of activities to use for local events
  - EPOC feedback form for activities
  - Sharing activities with EPOC
- CMB-S4 Saturday Science Series
  - Hybrid program at host institution October 2023
- CMB-S4 Wikipedia Page
  - Scientists volunteer to develop content.
- Stanford Summer Meeting and EPO Ideas
  - Planning in person outreach

E. Amoakohene, Art Contest Winner (M.S.)

External Collaboration Committee

Rachel Bean, Simone Ferraro & Lloyd Knox (c)

CMB-S4

LiteBIRD-S4 MoU

- MoU was signed earlier this year to support joint forecasting work, after a period of circulation to the Collaboration for comment.
- It allows for work to proceed to assess the impact of
  - LiteBIRD high-frequency and low-frequency maps on CMB-S4 r forecasts, and
  - CMB-S4 de-lensing information on LiteBIRD r forecasts.
- Other analyses are possible via amendment of the MoU
- The low-ell BB group is coordinating the (just-now-starting) effort on the S4 side.
- Work will be done by a joint Working Group. Contact the low-ell BB co-chairs if you are interested in participating.
- Results will be published in a joint paper that will be a Key paper.
- The author list will be "The CMB-S4 and LiteBIRD Collaborations:" followed by an alphabetical list of the authors, as determined by each collaboration's authorship rules.
- The S4 MoU drafting team: ECC + Bischoff, Borrill, Clark, and Zonca

CMB-S4

Elections Committee Update

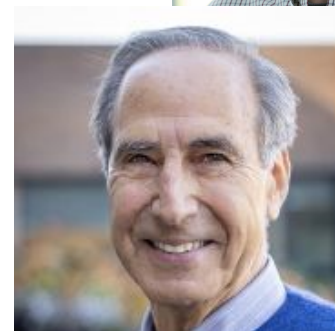**Tom Cecil**

Overview

Purpose

- Charged with running elections as spelled out in Bylaws
- Elections occur each spring. Executive team elections happened every other year

Current committee

- Tom Cecil (chair)
- Jesse Treu
- Francis-Yan Cyr-Racine

Contact

- evc@cmb-s4.org

2023 Elections

- Governing Board elections
  - Senior member - 9 spots with 2 year term
  - Postdoc member - 1 spot with 1 year term
- Process
  - Nomination Period: April 3 - April 23
    - Self nominations are welcome
    - Email with link to nomination form will go to all collaboration members
  - Candidate Confirmation and Statements
  - Slate of Candidates posted for review on wiki
  - Elections
    - Run through OpaVote
    - Date TBD - end of May
  - Results will be posted on wiki and announced via email
- General comments
  - We need everyone's help! Please consider running and be sure to vote
  - For any questions please reach out to us: evc@cmb-s4.org

CMB-S4

Governing Board Update

Lindsey Bleem (she/her)

CMB-S4

Board Membership (1/2)

Adam Anderson
(Vice Chair)

Carlo Baccigalupi

Darcy Barron

Jim Bartlett

Rito Basu Thakur
(PD rep)

Amy Bender

Lindsey Bleem (Chair)

Clarence Chang

Tom Crawford

Abigail Crites

Board Membership (2/2)

Raphael Flauger

Martina Gerbino

Adrian Lee

Johanna Nagy

Bruce Partridge

Elena Pierpaoli

Clem Pryke

Christian Reichardt

Nathan Whitehorn

CMB-S4

3. Current Activities

Meeting Agendas (published before each Governing Board meeting)

https://cmb-s4.atlassian.net/wiki/spaces/XC/pages/505675811/GB+Meeting+Agendas

Meeting Minutes (published after approval by Board, usually following subsequent meeting)

https://cmb-s4.atlassian.net/wiki/spaces/XC/pages/505512013/GB+Meeting+Minutes

Coming Soon:

- Minor changes to elections process to reflect our Code of Conduct (CoC)
- GB is in the process of developing a formal process to follow when CoC investigations are required

Please reach out to individual members with your comments/concerns or email the whole board at **gb@cmb-s4.org**.

CMB-S4

Ombudspeople

Renée Hložek & Greg Tucker

CMB-S4

Ombuds report 2022

The ombuds had two visits on issues of conflict within the collaboration in 2022.

Issues in your working group? Issues at a meeting? Issues with your advisor? Worried about a CMB-S4 policy or procedure?

We are always here to talk to you about issues that are concerning. They don't have to be clear/"obvious" violations of the Code of Conduct → if you feel bad about engaging in CMB-S4, reach out to chat informally.

CMB-S4

The Ombudspeople

- are independent, neutral, and confidential resources for CMB-S4 collaboration members to bring any CMB-S4 related concern.
- provide an alternate and informal channel of communication
- listen to people and offer information about CMB-S4 policies and procedures.
- help people who seek a confidential channel for discussing or addressing an issue of concern without fear of retribution.
- help to promote ethical conduct and values; to alleviate disruption caused by disputes; and to identify policies, practices, or issues where a systems change may be appropriate.
- provide a place for people to seek guidance on how to report actual or potential violations of CMB-S4 obligations, and, if they wish it, to do so anonymously.
- follow the International Ombudsman Associations Code of Ethics and Standards of Practice.

Neutral Unaligned Impartial Confidential Independent Informal

CMB-S4

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The Ombudspeople

- are designated neutral and remain unaligned and impartial.
- strive to promote procedural fairness in the content and administration of the collaboration's practices and processes and policies.
- do not engage in any situation that could create a conflict of interest.
- will not answer questions about people with whom they may have spoken, or disclose an individual's name or specific issue.
- do not keep permanent records of confidential communications. Permanent records kept by the Ombudspeople include only statistical information for analyzing and reporting trends and recommendations to the collaboration. All other records are regularly destroyed.
- are independent in structure, function and appearance to the highest degree possible within the organization.
- work informally and have no power to make, change, or set aside administrative decisions or CMB-S4 policy.
- The ombuds people provide a report to the S4 community on a yearly basis CMB-S4 Ombudsperson Report 2020-2022

CMB-S4