

# **2021 Spring Collaboration Meeting**

## **Report of Contributions**

Contribution ID: **39**

Type: **not specified**

# Welcome

*Monday, 8 March 2021 08:00 (10 minutes)*

**Presenter:** NAGY, Johanna (Washington University St. Louis;McDonnell Center for the Space Sciences)

Contribution ID: 40

Type: **not specified**

## Spokespeople's Update

*Monday, 8 March 2021 08:10 (15 minutes)*

**Presenter:** BORRILL, Julian (Lawrence Berkeley National Laboratory & UC Berkeley)

Contribution ID: 41

Type: **not specified**

## Membership Committee Update

*Monday, 8 March 2021 08:35 (10 minutes)*

**Presenter:** RUHL, John (Case Western Reserve University;)

Contribution ID: 42

Type: **not specified**

## Publication & Speakers Committee Update

*Monday, 8 March 2021 08:25 (10 minutes)*

**Presenter:** CRITES, Abigail (University of Toronto;Dunlap Institute)

Contribution ID: 43

Type: **not specified**

## Governing Board Update

*Monday, 8 March 2021 08:45 (10 minutes)*

**Presenter:** BLEEM, Lindsey (Argonne National Laboratory & KICP)

Contribution ID: 44

Type: **not specified**

## Project Status

*Monday, 8 March 2021 09:00 (30 minutes)*

**Presenter:** Dr GILCHRIESE, Murdock (Lawrence Berkeley National Laboratory;)

Contribution ID: 45

Type: **not specified**

## Preliminary Baseline Design Report Overview

*Monday, 8 March 2021 10:45 (45 minutes)*

**Presenters:** CARLSTROM, John (University of Chicago;Argonne National Laboratory); HUFFENBERGER, Kevin (Florida State University)



Contribution ID: 46

Type: **not specified**

## Identity and Inclusion

*Monday, 8 March 2021 12:00 (2 hours)*

An Equity, Diversity & Inclusion session focused on Identity and Inclusion by Neli Fanning (Equity, Diversity, and Inclusion Director, Physical Science Division, University of Chicago) and Tiana Pyer-Pereira (Associate Director in the Office of the Provost, University of Chicago).

The goals of session are to bring deeper awareness of the need for inclusion and underscore how the visible and invisible dimensions of our identities influence our perceptions of, and interactions with others.

Contribution ID: 47

Type: **not specified**

## **Governing Board: Code of Conduct**

*Tuesday, 9 March 2021 08:00 (30 minutes)*

**Presenter:** BLEEM, Lindsey (Argonne National Laboratory & KICP)

Contribution ID: 48

Type: **not specified**

## Flowdown

*Tuesday, 9 March 2021 08:45 (40 minutes)*

**Presenter:** RUHL, John (Case Western Reserve University;)

Contribution ID: 49

Type: **not specified**

## Junior Scientist Advancement Committee

*Wednesday, 10 March 2021 09:00 (15 minutes)*

An overview of the events the JSAC has planned for this week.

**Presenter:** BARRON, Darcy (University of New Mexico)

Contribution ID: 51

Type: **not specified**

## Radio Frequency Interference

*Friday, 12 March 2021 12:30 (15 minutes)*

**Presenter:** PAINE, Scott (Center for Astrophysics | Harvard & Smithsonian;)

Contribution ID: 52

Type: **not specified**

## Fireslides 2

*Friday, 12 March 2021 12:45 (15 minutes)*

Contribution ID: 53

Type: **not specified**

## Career Panel (hosted by Junior Scientist Advancement Committee)

*Friday, 12 March 2021 11:00 (1 hour)*

Join us on Gather.Town for an event highlighting career options for physics and astrophysics PhDs.

<https://gather.town/app/j2Ozbwz01WxI9YKH/CMB-S4>

Panelists include:

Tahlia DeMaio - Product Expert at Hex Technologies

Dan Grin - Faculty at Haverford College since 2016

Zigmund Kermish - Senior Data Scientist at Spotify (PhD with POLARBEAR)

Ben Schmitt - current CMB postdoc at Harvard, former European Energy Security Advisor, IEEE science and technology policy fellow at US Dept of State

Amy Trangsrud - Systems engineer at JPL (PhD with SPIDER)

Joaquin Vieira - Faculty at UIUC since 2013, PI of TIM (NASA balloon mission)

**Presenter:** BARRON, Darcy (University of New Mexico)

Contribution ID: 55

Type: **not specified**

## Town Hall & Close-Out

*Friday, 12 March 2021 13:00 (30 minutes)*

**Presenters:** CARLSTROM, John (University of Chicago;Argonne National Laboratory); BORRILL, Julian (Lawrence Berkeley National Laboratory & UC Berkeley)



Contribution ID: 56

Type: **not specified**

## Education & Public Outreach Overview

*Friday, 12 March 2021 09:20 (10 minutes)*

**Presenters:** BISCHOFF, Colin (University of Cincinnati); CROWELL, Juliet (University of Chicago;)

Contribution ID: 57

Type: **not specified**

## Education & Public Outreach Round Table

*Friday, 12 March 2021 10:00 (30 minutes)*

**Presenters:** ANDERSON, Adam (Fermilab); BISCHOFF, Colin (University of Cincinnati); CROW-ELL, Juliet (University of Chicago); WAGONER, Kasey (Princeton University); HUFFENBERGER, Kevin (Florida State University); THOMPSON, Rebecca (Fermilab)

Contribution ID: 58

Type: **not specified**

## Education & Public Outreach Parallel

*Friday, 12 March 2021 10:30 (1h 30m)*

**Presenters:** BISCHOFF, Colin (University of Cincinnati); CROWELL, Juliet (University of Chicago;)

Contribution ID: 59

Type: **not specified**

## Preliminary Baseline Design - Readout

*Tuesday, 9 March 2021 10:00 (30 minutes)*

**Presenter:** AHMED, Zeeshan (SLAC)

**Session Classification:** Readout

Contribution ID: **60**

Type: **not specified**

## **Preliminary Baseline Design - Small Aperture Telescopes**

*Tuesday, 9 March 2021 10:30 (30 minutes)*

**Presenter:** KOVAC, John (Harvard University;Center for Astrophysics | Harvard & Smithsonian)

**Session Classification:** Small Aperture Telescopes

Contribution ID: **61**

Type: **not specified**

## **Preliminary Baseline Design - Data Management**

*Tuesday, 9 March 2021 11:00 (30 minutes)*

**Presenter:** BORRILL, Julian (Lawrence Berkeley National Laboratory & UC Berkeley)

**Session Classification:** Data Management

Contribution ID: 62

Type: **not specified**

## Science Case beyond the design drivers

*Tuesday, 9 March 2021 11:30 (5 minutes)*

**Presenters:** MEYERS, Joel (Southern Methodist University); HUFFENBERGER, Kevin (Florida State University)

**Session Classification:** Science Case Beyond the Design Drivers

Contribution ID: 63

Type: **not specified**

## Report Back - Readout

*Wednesday, 10 March 2021 08:00 (15 minutes)*

**Presenter:** ELLEFLOT, Tucker (Lawrence Berkeley National Laboratory)

**Session Classification:** Readout



Contribution ID: 64

Type: **not specified**

## Report Back - Small Aperture Telescopes

*Wednesday, 10 March 2021 08:15 (15 minutes)*

**Presenter:** KOVAC, John (Harvard University;Center for Astrophysics | Harvard & Smithsonian)

**Session Classification:** Small Aperture Telescopes

Contribution ID: 65

Type: **not specified**

## Report Back - Data Management

*Wednesday, 10 March 2021 08:30 (15 minutes)*

**Presenter:** BORRILL, Julian (Lawrence Berkeley National Laboratory & UC Berkeley)

**Session Classification:** Data Management

Contribution ID: 66

Type: **not specified**

## Report Back - Science Case

*Wednesday, 10 March 2021 08:45 (15 minutes)*

**Presenters:** MEYERS, Joel (Southern Methodist University); HUFFENBERGER, Kevin (Florida State University)

**Session Classification:** Science Case Beyond the Design Drivers

Contribution ID: 67

Type: **not specified**

## Preliminary Baseline Design - Detectors

*Wednesday, 10 March 2021 10:00 (30 minutes)*

**Presenter:** FLAUGHER, Brenna (Fermilab)

**Session Classification:** Detectors

Contribution ID: **68**

Type: **not specified**

## **Preliminary Baseline Design - Module Assembly & Testing**

*Thursday, 11 March 2021 10:00 (30 minutes)*

**Presenter:** BENSON, Bradford (Fermilab; University of Chicago)

**Session Classification:** Module Assembly & Testing

Contribution ID: **69**

Type: **not specified**

## **Preliminary Baseline Design - Large Aperture Telescopes**

*Wednesday, 10 March 2021 10:30 (30 minutes)*

**Presenter:** NIEMACK, Michael (Cornell University)

**Session Classification:** Large Aperture Telescopes

Contribution ID: 70

Type: **not specified**

## **Preliminary Baseline Design - Data Acquisition & Control**

*Wednesday, 10 March 2021 11:00 (30 minutes)*

**Presenter:** NEWBURGH, Laura (Yale University)

**Session Classification:** Data Acquisition & Control

Contribution ID: 71

Type: **not specified**

## **Preliminary Baseline Design Validation: Measurement to Science - Tensor-to-Scalar Ratio**

*Wednesday, 10 March 2021 11:30 (15 minutes)*

**Presenter:** BISCHOFF, Colin (University of Cincinnati)

**Session Classification:** Design Validation: Measurement to Science - Tensor-to-Scalar Ratio



Contribution ID: 72

Type: **not specified**

## **Preliminary Baseline Design Validation - Measurement to Science: Galaxy Clusters**

*Wednesday, 10 March 2021 11:45 (15 minutes)*

**Presenter:** RAGHUNATHAN, Srinivasan (MSU/UCLA)

**Session Classification:** Design Validation: Measurement to Science - Galaxy Clusters

Contribution ID: 73

Type: **not specified**

## Report Back - Detectors

*Thursday, 11 March 2021 08:00 (15 minutes)*

**Presenter:** FLAUGHER, Brenna (Fermilab)

**Session Classification:** Detectors

Contribution ID: 74

Type: **not specified**

## Report Back - Large Aperture Telescopes

*Thursday, 11 March 2021 08:15 (15 minutes)*

**Presenters:** NIEMACK, Michael (Cornell University); EMERSON, Nick (University of Arizona)

**Session Classification:** Large Aperture Telescopes

Contribution ID: 75

Type: **not specified**

## Report Back - Data Acquisition & Control

*Thursday, 11 March 2021 08:30 (15 minutes)*

**Presenter:** NEWBURGH, Laura (Yale University)

**Session Classification:** Data Acquisition & Control

Contribution ID: 76

Type: **not specified**

## Report Back - DV/M2S Tensor-to-Scalar Ratio

*Thursday, 11 March 2021 08:45 (15 minutes)*

**Presenter:** WU, Kimmy (SLAC National Accelerator Laboratory)

**Session Classification:** Design Validation: Measurement to Science - Tensor-to-Scalar Ratio

Contribution ID: 77

Type: **not specified**

## Report Back - DV/M2S Galaxy Clusters

*Thursday, 11 March 2021 09:00 (15 minutes)*

**Presenter:** BATTAGLIA, Nicholas (Cornell University;)

**Session Classification:** Design Validation: Measurement to Science - Galaxy Clusters

Contribution ID: 78

Type: **not specified**

## Preliminary Baseline Design - Sites

*Thursday, 11 March 2021 10:30 (30 minutes)*

**Presenters:** BENDER, Amy (Argonne National Laboratory; KICP); ARNOLD, Kam (UC San Diego)

**Session Classification:** Site Infrastructure, Integration & Commissioning

Contribution ID: 79

Type: **not specified**

## **Preliminary Baseline Design Validation: Technical to Measurement**

*Thursday, 11 March 2021 11:00 (30 minutes)*

**Presenter:** KESKITALO, Reijo (Lawrence Berkeley National Laboratory & UC Berkeley)

**Session Classification:** Design Validation: Technical to Measurement



Contribution ID: 80

Type: **not specified**

## **Preliminary Baseline Design Validation: Measurement to Science - Light Relics**

*Thursday, 11 March 2021 11:30 (15 minutes)*

**Presenters:** REICHARDT, Christian (University of Melbourne); Dr TRENDAFILOVA, Cynthia (Southern Methodist University); LOVERDE, Marilena (Stony Brook University);

**Session Classification:** Design Validation: Measurement to Science - Light Relics

Contribution ID: **81**

Type: **not specified**

## **Preliminary Baseline Design Validation: Measurement to Science - Transients**

*Thursday, 11 March 2021 11:45 (15 minutes)*

**Presenter:** WHITEHORN, Nathan (Michigan State University;)

**Session Classification:** Design Validation: Measurement to Science - Transients

Contribution ID: 82

Type: **not specified**

## Report Back - Module Assembly & Testing

*Friday, 12 March 2021 08:00 (15 minutes)*

**Presenter:** BENSON, Bradford (Fermilab; University of Chicago)

**Session Classification:** Module Assembly & Testing

Contribution ID: **83**

Type: **not specified**

## Report Back - Sites

*Friday, 12 March 2021 08:15 (15 minutes)*

**Presenters:** BENDER, Amy (Argonne National Laboratory; KICP); ARNOLD, Kam (UC San Diego)

**Session Classification:** Site Infrastructure, Integration & Commissioning

Contribution ID: 84

Type: **not specified**

## Report Back - DV/T2M

*Friday, 12 March 2021 09:00 (15 minutes)*

**Presenter:** KESKITALO, Reijo (Lawrence Berkeley National Laboratory & UC Berkeley)

**Session Classification:** Design Validation: Technical to Measurement

Contribution ID: 85

Type: **not specified**

## Report Back - DV/M2S Light Relics

*Friday, 12 March 2021 08:45 (15 minutes)*

**Presenters:** REICHARDT, Christian (University of Melbourne); LOVERDE, Marilena (Stony Brook University;)

**Session Classification:** Design Validation: Measurement to Science - Light Relics

Contribution ID: 86

Type: **not specified**

## Report Back - DV/M2S Transients

*Friday, 12 March 2021 08:30 (15 minutes)*

**Presenter:** VIEIRA, Joaquin (University of Illinois at Urbana-Champaign;)

**Session Classification:** Design Validation: Measurement to Science - Transients

Contribution ID: 87

Type: **not specified**

## Public Outreach Event

*Thursday, 11 March 2021 16:30 (1 hour)*

Instrumentation Night with Johanna Nagy & John Ruhl

<https://cwru.zoom.us/j/98167644862?pwd=SkhPMDIINGJQQWRYcEhrRnl6WFZ0Zz09> Passcode: 955185

In conjunction with The Institute for the Science of Origins at Case Western University and Astronomy on Tap Champaign.



Contribution ID: **88**

Type: **not specified**

## Public Outreach Event

*Tuesday, 9 March 2021 16:30 (1 hour)*

Young researchers night with Melanie Archipley, Srinivasan Raghunathan, Cynthia Trendafilova & Caterina Umiltà

<http://cwru.zoom.us/j/97157515958> (Password: 713170)

In conjunction with The Institute for the Science of Origins at Case Western University and Astronomy on Tap Champaign.

Contribution ID: **89**

Type: **not specified**

## Agency Updates

*Monday, 8 March 2021 10:00 (20 minutes)*

Contribution ID: **90**

Type: **not specified**

## **External Collaboration Committee Parallel**

*Friday, 12 March 2021 10:30 (45 minutes)*

**Presenters:** KNOX, Lloyd (UC Davis); BEAN, Rachel (Cornell University); Dr FERRARO, Simone (Lawrence Berkeley National Laboratory)

Contribution ID: **91**

Type: **not specified**

## **Ombudspeople's Report**

*Monday, 8 March 2021 08:55 (5 minutes)*

**Presenters:** TUCKER, Gregory (Brown University); HLOZEK, Renee (University of Toronto)

Contribution ID: 92

Type: **not specified**

## Poster/Demo Session in Gather.Town

*Thursday, 11 March 2021 14:00 (2 hours)*

<https://gather.town/app/j2Ozbwz01WxI9YKH/CMB-S4>

Contribution ID: **93**

Type: **not specified**

## **Fireslides 1**

*Tuesday, 9 March 2021 08:30 (15 minutes)*

Contribution ID: 94

Type: **not specified**

## **Junior Members' Closed Session**

*Friday, 12 March 2021 10:30 (30 minutes)*

**Presenter:** Dr XU, Zhilei (MIT)

Contribution ID: 95

Type: **not specified**

## EDI Discussion Breakout Rooms

*Monday, 8 March 2021 14:00 (1 hour)*



Contribution ID: **96**

Type: **not specified**

## Random Pairings

*Wednesday, 10 March 2021 07:30 (30 minutes)*

Everyone who joins will be randomly paired with someone they don't know to make new connections. The topics of conversation are up to you and your conversation partner, and will surely vary widely!

No sign-up required, stay for one or two pairings, starting at :30 and :45

Contribution ID: 97

Type: **not specified**

## Random Pairings

*Wednesday, 10 March 2021 14:00 (30 minutes)*

Everyone who joins will be randomly paired with someone they don't know to make new connections. The topics of conversation are up to you and your conversation partner, and will surely vary widely!

No sign-up required, stay for one or two pairings, starting at :00 and :15

Contribution ID: **98**

Type: **not specified**

## Social Event in Gather.Town

*Friday, 12 March 2021 13:30 (2 hours)*

Join us for 2 hours of fun and games in gather.town to unwind after a long week.

<https://gather.town/app/j2Ozbwz01WxI9YKH/CMB-S4>

Contribution ID: 99

Type: **not specified**

## Data Movement

*Tuesday, 9 March 2021 12:30 (10 minutes)*

**Presenters:** Dr RAHLIN, Alexandra (Fermilab; University of Chicago); Mr DART, Eli (Lawrence Berkeley National Laboratory)

**Session Classification:** Data Management

Contribution ID: **100**

Type: **not specified**

## Software Infrastructure

*Tuesday, 9 March 2021 12:45 (10 minutes)*

**Presenters:** Dr BARD, Debbie (NERSC, Lawrence Berkeley National Laboratory;); KISNER, Theodore (Lawrence Berkeley National Laboratory & UC Berkeley)

**Session Classification:** Data Management

Contribution ID: **101**

Type: **not specified**

## Data Simulation

*Tuesday, 9 March 2021 13:00 (10 minutes)*

**Presenters:** ZONCA, Andrea (University of California San Diego); Dr SIMON, Sara (Fermilab)

**Session Classification:** Data Management

Contribution ID: **102**

Type: **not specified**

## Data Reduction

*Tuesday, 9 March 2021 13:15 (10 minutes)*

**Presenters:** BISCHOFF, Colin (University of Cincinnati); KESKITALO, Reijo (Lawrence Berkeley National Laboratory & UC Berkeley)

**Session Classification:** Data Management

Contribution ID: **103**

Type: **not specified**

## Transients

*Tuesday, 9 March 2021 13:30 (10 minutes)*

**Presenters:** PETRAVICK, Don (University of Illinois at Urbana-Champaign;); WHITEHORN, Nathan (Michigan State University;)

**Session Classification:** Data Management



Contribution ID: **104**

Type: **not specified**

## Site Hardware

*Tuesday, 9 March 2021 13:45 (10 minutes)*

**Presenter:** CRAWFORD, Tom (University of Chicago;KICP)

**Session Classification:** Data Management

Contribution ID: **105**

Type: **not specified**

## **Chile Site: Layout & Power**

*Thursday, 11 March 2021 12:30 (30 minutes)*

**Presenter:** ARNOLD, Kam (UC San Diego)

**Session Classification:** Site Infrastructure, Integration & Commissioning

Contribution ID: **106**

Type: **not specified**

## South Pole Site: Layout

*Thursday, 11 March 2021 13:00 (10 minutes)*

**Presenter:** BENDER, Amy (Argonne National Laboratory; KICP)

**Session Classification:** Site Infrastructure, Integration & Commissioning

Contribution ID: **107**

Type: **not specified**

## **South Pole Site: SAT tower & blue buildings**

*Thursday, 11 March 2021 13:10 (10 minutes)*

**Presenter:** NICHOLS, Erik (University of Chicago; Remote Science Services LLC)

**Session Classification:** Site Infrastructure, Integration & Commissioning

Contribution ID: **108**

Type: **not specified**

## South Pole Site: SPLAT High bay

*Thursday, 11 March 2021 13:20 (10 minutes)*

**Presenter:** EMERSON, Nick (University of Arizona)

**Session Classification:** Site Infrastructure, Integration & Commissioning

Contribution ID: **109**

Type: **not specified**

## **LAT/SAT Calibration Infrastructure Requirements & Strategy**

*Thursday, 11 March 2021 13:30 (15 minutes)*

**Presenters:** NAGY, Johanna (Washington University St. Louis;McDonnell Center for the Space Sciences); KARKARE, Kirit (University of Chicago, Fermilab)

**Session Classification:** Site Infrastructure, Integration & Commissioning

Contribution ID: **110**

Type: **not specified**

## Commissioning Targets

*Thursday, 11 March 2021 13:45 (15 minutes)*

**Presenter:** RUHL, John (Case Western Reserve University;)

**Session Classification:** Site Infrastructure, Integration & Commissioning

Contribution ID: **111**

Type: **not specified**

## **South Pole LAT (SPLAT) updates**

*Wednesday, 10 March 2021 12:30 (7 minutes)*

**Presenter:** EMERSON, Nick (University of Arizona)

**Session Classification:** Large Aperture Telescopes



Contribution ID: **112**

Type: **not specified**

## Chilean LAT (CHLAT) updates

*Wednesday, 10 March 2021 12:38 (7 minutes)*

**Presenter:** PARSHLEY, Steve (Cornell University)

**Session Classification:** Large Aperture Telescopes

Contribution ID: **113**

Type: **not specified**

## **Chilean LAT Survey Strategy and Sidelobes**

*Wednesday, 10 March 2021 12:46 (7 minutes)*

**Presenter:** GALLARDO, Patricio (Cornell University)

**Session Classification:** Large Aperture Telescopes

Contribution ID: **114**

Type: **not specified**

## **Simons Observatory LAT Receiver Update**

*Wednesday, 10 March 2021 12:54 (7 minutes)*

**Presenter:** ZHU, Ningfeng (University of Pennsylvania)

**Session Classification:** Large Aperture Telescopes

Contribution ID: 115

Type: **not specified**

## **S4 LAT Receiver (LATR) updates**

*Wednesday, 10 March 2021 13:02 (25 minutes)*

**Presenter:** BENSON, Bradford (Fermilab; University of Chicago)

**Session Classification:** Large Aperture Telescopes

Contribution ID: **116**

Type: **not specified**

## **LAT Commissioning Receiver**

*Wednesday, 10 March 2021 13:27 (7 minutes)*

**Presenter:** MCMAHON, Jeff

**Session Classification:** Large Aperture Telescopes

Contribution ID: **117**

Type: **not specified**

## **LAT Calibration Hardware and baffling finishes**

*Wednesday, 10 March 2021 13:35 (10 minutes)*

**Presenter:** NAGY, Johanna (Washington University St. Louis;McDonnell Center for the Space Sciences)

**Session Classification:** Large Aperture Telescopes

Contribution ID: **118**

Type: **not specified**

## Discussion

*Wednesday, 10 March 2021 13:45 (15 minutes)*

**Session Classification:** Large Aperture Telescopes

Contribution ID: **119**

Type: **not specified**

## Poster & Demo Preview

*Monday, 8 March 2021 10:20 (25 minutes)*



Contribution ID: **120**

Type: **not specified**

## Optical Follow-Up

*Wednesday, 10 March 2021 12:30 (20 minutes)*

**Presenter:** BLEEM, Lindsey (Argonne National Laboratory & KICP)

**Session Classification:** Design Validation: Measurement to Science - Galaxy Clusters

Contribution ID: **121**

Type: **not specified**

## Discussion

*Wednesday, 10 March 2021 13:30 (30 minutes)*

**Session Classification:** Design Validation: Measurement to Science - Galaxy Clusters

Contribution ID: **122**

Type: **not specified**

## DM Simulations

*Wednesday, 10 March 2021 12:50 (20 minutes)*

**Presenter:** KESKITALO, Reijo (Lawrence Berkeley National Laboratory & UC Berkeley)

**Session Classification:** Design Validation: Measurement to Science - Galaxy Clusters

Contribution ID: **123**

Type: **not specified**

## Source Modeling

*Wednesday, 10 March 2021 13:10 (20 minutes)*

**Presenter:** LI, Zack

**Session Classification:** Design Validation: Measurement to Science - Galaxy Clusters

Contribution ID: **124**

Type: **not specified**

## DAQ1

*Wednesday, 10 March 2021 12:30 (20 minutes)*

**Presenter:** DEACONU, Cosmin (University of Chicago)

**Session Classification:** Data Acquisition & Control

Contribution ID: **125**

Type: **not specified**

## DAQ2

*Wednesday, 10 March 2021 12:50 (20 minutes)*

**Presenter:** WHITEHORN, Nathan (Michigan State University;)

**Session Classification:** Data Acquisition & Control

Contribution ID: **126**

Type: **not specified**

## DAQ3

*Wednesday, 10 March 2021 13:10 (20 minutes)*

**Presenter:** KOOPMAN, Brian (Yale University)

**Session Classification:** Data Acquisition & Control

Contribution ID: **127**

Type: **not specified**

## DAQ4

*Wednesday, 10 March 2021 13:30 (20 minutes)*

**Presenter:** CRITES, Abigail (University of Toronto;Dunlap Institute)

**Session Classification:** Data Acquisition & Control



Contribution ID: **128**

Type: **not specified**

## DAQ5

*Wednesday, 10 March 2021 13:50 (10 minutes)*

**Presenter:** NEWBURGH, Laura (Yale University)

**Session Classification:** Data Acquisition & Control

Contribution ID: **129**

Type: **not specified**

## Performance-based forecasting

*Wednesday, 10 March 2021 12:33 (10 minutes)*

**Presenter:** Prof. PRYKE, Clem (University of Minnesota)

**Session Classification:** Design Validation: Measurement to Science - Tensor-to-Scalar Ratio

Contribution ID: **130**

Type: **not specified**

## **SAT systematics**

*Wednesday, 10 March 2021 12:50 (5 minutes)*

**Presenter:** BISCHOFF, Colin (University of Cincinnati)

**Session Classification:** Design Validation: Measurement to Science - Tensor-to-Scalar Ratio

Contribution ID: **131**

Type: **not specified**

## **Lensing template generation and LAT systematics**

*Wednesday, 10 March 2021 13:00 (15 minutes)*

**Presenters:** CARRON, Julien (University of Geneva); Dr WU, Kimmy (SLAC National Accelerator Laboratory)

**Session Classification:** Design Validation: Measurement to Science - Tensor-to-Scalar Ratio

Contribution ID: 132

Type: **not specified**

## Results from low-ell BB Data Challenge 06

*Wednesday, 10 March 2021 13:17 (15 minutes)*

**Presenter:** Dr UMLTA, Caterina (University of Illinois at Urbana-Champaign;)

**Session Classification:** Design Validation: Measurement to Science - Tensor-to-Scalar Ratio

Contribution ID: 134

Type: **not specified**

## Bayesian lensing, delensing, and foreground cleaning

*Wednesday, 10 March 2021 13:35 (10 minutes)*

**Presenters:** THORNE, Ben (UC Davis); MILLEA, Marius (Berkeley)

**Session Classification:** Design Validation: Measurement to Science - Tensor-to-Scalar Ratio

Contribution ID: 135

Type: **not specified**

## Foreground models update

*Wednesday, 10 March 2021 13:48 (10 minutes)*

**Presenter:** Dr HENSLEY, Brandon (Princeton University)

**Session Classification:** Design Validation: Measurement to Science - Tensor-to-Scalar Ratio

Contribution ID: **137**

Type: **not specified**

## **Module Design and Assembly**

*Thursday, 11 March 2021 12:30 (30 minutes)*

**Presenters:** ANDERSON, Adam (Fermilab); DERYLO, Greg (Fermilab)

**Session Classification:** Module Assembly & Testing



Contribution ID: **139**

Type: **not specified**

## Testing and Testbeds

*Thursday, 11 March 2021 13:00 (30 minutes)*

**Presenter:** Dr BENSON, Bradford (Fermilab; University of Chicago)

**Session Classification:** Module Assembly & Testing

Contribution ID: **140**

Type: **not specified**

## **Interfaces Wafers and Horn Arrays**

*Thursday, 11 March 2021 13:30 (30 minutes)*

**Presenter:** SIMON, Sara (Fermilab)

**Session Classification:** Module Assembly & Testing

Contribution ID: **141**

Type: **not specified**

## Introduction

*Thursday, 11 March 2021 12:30 (4 minutes)*

**Presenters:** REICHARDT, Christian (University of Melbourne); LOVERDE, Marilena (Stony Brook University;)

**Session Classification:** Design Validation: Measurement to Science - Light Relics

Contribution ID: **142**

Type: **not specified**

## Forecasting framework for Neff

*Thursday, 11 March 2021 12:34 (10 minutes)*

**Presenter:** RAGHUNATHAN, Srinivasan (UC Los Angeles;)

**Session Classification:** Design Validation: Measurement to Science - Light Relics

Contribution ID: **143**

Type: **not specified**

## Systematic studies: Foregrounds

*Thursday, 11 March 2021 12:44 (8 minutes)*

**Presenter:** WALLISCH, Benjamin (UC San Diego & Institute for Advanced Study)

**Session Classification:** Design Validation: Measurement to Science - Light Relics

Contribution ID: **144**

Type: **not specified**

## Systematic studies: Beam effects

*Thursday, 11 March 2021 12:52 (8 minutes)*

**Presenters:** GRIN, Daniel (Haverford); Prof. CYR-RACINE, Francis-Yan (University of New Mexico)

**Session Classification:** Design Validation: Measurement to Science - Light Relics

Contribution ID: 145

Type: **not specified**

## Discussion of the Neff case

*Thursday, 11 March 2021 13:10 (35 minutes)*

**Session Classification:** Design Validation: Measurement to Science - Light Relics

Contribution ID: **146**

Type: **not specified**

## Review of PBDR text

*Thursday, 11 March 2021 13:45 (15 minutes)*

**Session Classification:** Design Validation: Measurement to Science - Light Relics



Contribution ID: **148**

Type: **not specified**

## Tidal Disruption Events

*Tuesday, 9 March 2021 12:30 (12 minutes)*

**Presenter:** ALEXANDER, Kate

**Session Classification:** Science Case Beyond the Design Drivers

Contribution ID: **149**

Type: **not specified**

## **tSZ/kSZ from Galaxy samples**

*Tuesday, 9 March 2021 12:42 (12 minutes)*

**Presenter:** Ms VAVAGIAKIS, Eve (Cornell University)

**Session Classification:** Science Case Beyond the Design Drivers

Contribution ID: **150**

Type: **not specified**

## **Small-Scale Gravitational Lensing**

*Tuesday, 9 March 2021 12:54 (12 minutes)*

**Presenter:** HADZHIYSKA, Boryana

**Session Classification:** Science Case Beyond the Design Drivers

Contribution ID: **151**

Type: **not specified**

## Galactic Science

*Tuesday, 9 March 2021 13:06 (12 minutes)*

**Presenter:** CLARK, Susan (Stanford University)

**Session Classification:** Science Case Beyond the Design Drivers

Contribution ID: **152**

Type: **not specified**

## Non-Gaussianity

*Tuesday, 9 March 2021 13:30 (12 minutes)*

**Presenter:** COULTON, Will (The University of Tokyo)

**Session Classification:** Science Case Beyond the Design Drivers

Contribution ID: **153**

Type: **not specified**

## Cosmic Birefringence

*Tuesday, 9 March 2021 13:42 (12 minutes)*

**Presenter:** MINAMI, Yuto

**Session Classification:** Science Case Beyond the Design Drivers

Contribution ID: **154**

Type: **not specified**

## **CMB as a Backlight 1**

*Tuesday, 9 March 2021 11:35 (12 minutes)*

**Presenter:** FERRARO, Simone (Lawrence Berkeley National Laboratory)

**Session Classification:** Science Case Beyond the Design Drivers

Contribution ID: 155

Type: **not specified**

## CMB as a Backlight 2

*Tuesday, 9 March 2021 11:47 (12 minutes)*

**Presenter:** VAN ENGELEN, Alex

**Session Classification:** Science Case Beyond the Design Drivers



Contribution ID: **156**

Type: **not specified**

## Introduction

*Wednesday, 10 March 2021 12:30 (3 minutes)*

**Presenters:** BISCHOFF, Colin (University of Cincinnati); Dr WU, Kimmy (SLAC National Accelerator Laboratory)

**Session Classification:** Design Validation: Measurement to Science - Tensor-to-Scalar Ratio

Contribution ID: **159**

Type: **not specified**

## Hardware model maturity

*Thursday, 11 March 2021 12:45 (15 minutes)*

**Presenter:** SIMON, Sara (Fermilab)

**Session Classification:** Design Validation: Technical to Measurement

Contribution ID: **160**

Type: **not specified**

## **Systematics - ACT perspective**

*Thursday, 11 March 2021 13:00 (15 minutes)*

**Presenter:** NAESS, Sigurd (Center for Computational Astrophysics)

**Session Classification:** Design Validation: Technical to Measurement

Contribution ID: **161**

Type: **not specified**

## **Systematics - BICEP/Keck perspective**

*Thursday, 11 March 2021 12:30 (15 minutes)*

**Presenter:** BISCHOFF, Colin (University of Cincinnati)

**Session Classification:** Design Validation: Technical to Measurement

Contribution ID: **162**

Type: **not specified**

## **Systematics - Simons Array perspective**

*Thursday, 11 March 2021 13:15 (15 minutes)*

**Presenter:** Dr CHINONE, Yuji (University of Tokyo)

**Session Classification:** Design Validation: Technical to Measurement

Contribution ID: **163**

Type: **not specified**

## **Systematics - SPT perspective**

*Thursday, 11 March 2021 13:45 (15 minutes)*

**Presenter:** CRAWFORD, Tom (University of Chicago;KICP)

**Session Classification:** Design Validation: Technical to Measurement

Contribution ID: **164**

Type: **not specified**

## SAT PBD intro

*Tuesday, 9 March 2021 12:30 (30 minutes)*

**Presenters:** VIEREGG, Abigail (University of Chicago); KUSAKA, Akito; SCHMITT, Benjamin (Harvard University); PRYKE, Clem (University of Minnesota); Mr SABA, Joe (Lawrence Berkeley National Laboratory); KOVAC, John (Harvard University; Center for Astrophysics | Harvard & Smithsonian); KARKARE, Kirit; GRIMES, Paul; PAINE, Scott (Center for Astrophysics | Harvard & Smithsonian);

**Session Classification:** Small Aperture Telescopes

Contribution ID: **165**

Type: **not specified**

## **SAT PBD, cont**

*Tuesday, 9 March 2021 13:00 (20 minutes)*

**Presenter:** KUSAKA, Akito (Lawrence Berkeley National Laboratory;University of Tokyo)

**Session Classification:** Small Aperture Telescopes



Contribution ID: **166**

Type: **not specified**

## **SAT Zemax optics design**

*Tuesday, 9 March 2021 13:20 (20 minutes)*

**Presenters:** MATSUDA, Frederick (Kavli IPMU); STARK, Tony

**Session Classification:** Small Aperture Telescopes

Contribution ID: **167**

Type: **not specified**

## **SAT calibration plan**

*Tuesday, 9 March 2021 13:40 (20 minutes)*

**Presenter:** KARKARE, Kirit (University of Chicago, Fermilab)

**Session Classification:** Small Aperture Telescopes

Contribution ID: **168**

Type: **not specified**

## Prototype design status

*Tuesday, 9 March 2021 12:30 (30 minutes)*

**Presenter:** Dr HALLER, Gunther (SLAC)

**Session Classification:** Readout

Contribution ID: **169**

Type: **not specified**

## Magnetic Shielding

*Tuesday, 9 March 2021 13:00 (20 minutes)*

**Presenters:** Dr SCHILLACI, Alessandro (Caltech); MONCELSI, Lorenzo (Caltech)

**Session Classification:** Readout

Contribution ID: **170**

Type: **not specified**

## **SSA location (4K vs. 1K)**

*Tuesday, 9 March 2021 13:20 (20 minutes)*

**Presenter:** BARRON, Darcy (University of New Mexico)

**Session Classification:** Readout

Contribution ID: **171**

Type: **not specified**

## Warm electronics

*Tuesday, 9 March 2021 13:40 (10 minutes)*

**Presenter:** HALLER, Gunther (SLAC)

**Session Classification:** Readout

Contribution ID: 172

Type: **not specified**

## Transients from ACT

*Thursday, 11 March 2021 12:30 (20 minutes)*

**Presenter:** HUFFENBERGER, Kevin (Florida State University)

**Session Classification:** Design Validation: Measurement to Science - Transients

Contribution ID: 173

Type: **not specified**

## Transients from SPT

*Thursday, 11 March 2021 12:50 (20 minutes)*

**Presenter:** GUNS, Sam

**Session Classification:** Design Validation: Measurement to Science - Transients



Contribution ID: **174**

Type: **not specified**

## Theory

*Thursday, 11 March 2021 13:10 (20 minutes)*

**Presenter:** EFTEKHARI, Tarranah

**Session Classification:** Design Validation: Measurement to Science - Transients

Contribution ID: 175

Type: **not specified**

## Discussion

*Thursday, 11 March 2021 13:30 (30 minutes)*

**Session Classification:** Design Validation: Measurement to Science - Transients

Contribution ID: **176**

Type: **not specified**

## Conference Photo

*Tuesday, 9 March 2021 09:25 (5 minutes)*

Contribution ID: **177**

Type: **not specified**

## Dark detectors

*Wednesday, 10 March 2021 12:30 (30 minutes)*

**Presenter:** MONCELSI, Lorenzo (Caltech)

**Session Classification:** Detectors

Contribution ID: **178**

Type: **not specified**

## Options & decisions

*Wednesday, 10 March 2021 13:00 (30 minutes)*

**Presenter:** RUHL, John (Case Western Reserve University;)

**Session Classification:** Detectors

Contribution ID: **179**

Type: **not specified**

## Wafer layout discussion

*Wednesday, 10 March 2021 13:30 (30 minutes)*

Contributions from Toki and others

**Presenter:** FLAUGHER, Brenna (Fermilab)

**Session Classification:** Detectors

Contribution ID: **180**

Type: **not specified**

## Elections and Voting Commission

*Thursday, 11 March 2021 09:20 (10 minutes)*

An overview of this spring's elections

**Presenters:** SCHMITT, Benjamin (Harvard University,); BARRON, Darcy (University of New Mexico); CECIL, Thomas (Argonne National Laboratory)

Contribution ID: **181**

Type: **not specified**

## **Tools: joint $\phi$ -delensed-E bandpower estimation**

*Thursday, 11 March 2021 13:05 (5 minutes)*

**Presenter:** MILLEA, Marius (Berkeley)

**Session Classification:** Design Validation: Measurement to Science - Light Relics



Contribution ID: **182**

Type: **not specified**

## **Systematic studies: non-linear lensing biases**

*Thursday, 11 March 2021 13:00 (5 minutes)*

**Presenter:** HILL, Colin (Columbia)

**Session Classification:** Design Validation: Measurement to Science - Light Relics

Contribution ID: **183**

Type: **not specified**

## DOE Funding

*Tuesday, 9 March 2021 09:30 (30 minutes)*

**Presenter:** TURNER, Kathy