

Parallel Session: Theory, Analysis, and Computing

Report of Contributions

Contribution ID: 0

Type: **not specified**

Novel Probes

- i. Small scale probes of DM and gravity
- ii. Augmentation of DESI or buying time on Subaru

Contribution ID: 1

Type: **not specified**

Small scale analysis/Nonlinear modeling

- i. Baryons – hydro sims connection to data, via analytical tools?
- ii. Can data be used to constrain the range of possibilities
- iii. Will HOD be useful for 2020's cosmology

Contribution ID: 2

Type: **not specified**

Simulations

- i. Multi-wavelength and multi-tracer maps from sims
- ii. Sharing sims and tools across surveys: DESI, LSST...
- iii. Mock catalogs given sims
- iv. Hydro
- v. What sims are needed for covariances: more important for LSST/WL than BAO?

Contribution ID: 3

Type: **not specified**

CMB-LSS Synergies

- i. high z tracers, IM and low res spectroscopy
- ii. Best tracers and CMB lensing maps
- iii. thermal and kinetic SZ
- iv. timelines of CMB and LSS surveys, and data access
- v. supplementary observations to enhance the data?

Contribution ID: 4

Type: **not specified**

Small scale probes of DM and gravity: analysis challenges

Presenter: JAIN, Bhuvnesh (University of Pennsylvania)

Contribution ID: 5

Type: **not specified**

Small scale analysis/nonlinear effects

Presenter: HEARIN, Andrew (Argonne National Laboratory)

Contribution ID: 6

Type: **not specified**

Challenges for large surveys

Presenter: HEITMANN, Katrin (Argonne National Laboratory)

Contribution ID: 7

Type: **not specified**

NOAO Data Lab: Current Status & Future Visions

Presenter: JUNEAU, Stephanie (NOAO)

Contribution ID: 8

Type: **not specified**

Discussion

Contribution ID: 9

Type: **not specified**

CMB x LSS: requirements of new analysis tools

Tuesday, 14 November 2017 16:00 (15 minutes)

Presenter: SELJAK, Uros (LBNL)

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Contribution ID: **10**

Type: **not specified**

Multi-wavelength and multitracer maps from simulations

Tuesday, 14 November 2017 16:15 (15 minutes)

Presenter: ALVAREZ, Marcelo (UC Berkeley)

Session Classification: Theory, Analysis, and Computing

Contribution ID: 11

Type: **not specified**

High-z tracers and IM

Tuesday, 14 November 2017 16:30 (15 minutes)

Presenter: BULL, Phil (JPL/Caltech)

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Contribution ID: 12

Type: **not specified**

Discussion

Tuesday, 14 November 2017 16:45 (15 minutes)

Session Classification: Theory, Analysis, and Computing

Contribution ID: 13

Type: **not specified**

Joint analysis of imaging + spectroscopic data

Tuesday, 14 November 2017 15:00 (15 minutes)

Presenter: LEAUTHAUD, Alexie

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Contribution ID: 14

Type: **not specified**

Simulation challenges

Tuesday, 14 November 2017 15:15 (15 minutes)

Presenter: ADHIKARI, Susmita

Session Classification: Theory, Analysis, and Computing

Contribution ID: 15

Type: **not specified**

Discussion

Tuesday, 14 November 2017 15:30 (30 minutes)

Session Classification: Theory, Analysis, and Computing

Contribution ID: **16**

Type: **not specified**

White paper thoughts/outline

Wednesday, 15 November 2017 09:30 (1 hour)

Contribution ID: 17

Type: **not specified**

Small scale analysis/nonlinear effects

Wednesday, 15 November 2017 08:30 (15 minutes)

Presenter: HEARIN, Andrew (Argonne National Laboratory)

Session Classification: Theory, Analysis, and Computing

Contribution ID: **18**

Type: **not specified**

Challenges for large surveys

Wednesday, 15 November 2017 08:45 (15 minutes)

Presenter: HEITMANN, Katrin (Argonne National Laboratory)

Session Classification: Theory, Analysis, and Computing

Contribution ID: 19

Type: **not specified**

NOAO Data Lab: Current Status & Future Visions

Wednesday, 15 November 2017 09:00 (15 minutes)

Presenter: JUNEAU, Stephanie (NOAO)

Session Classification: Theory, Analysis, and Computing

Contribution ID: 20

Type: **not specified**

Discussion

Wednesday, 15 November 2017 09:20 (10 minutes)

Session Classification: Theory, Analysis, and Computing

Contribution ID: 21

Type: **not specified**

Cosmic Frontier Computing

Wednesday, 15 November 2017 09:15 (5 minutes)

Presenter: BAILEY, Stephen

Session Classification: Theory, Analysis, and Computing