

New Strategies For Extracting Cosmology From Future Galaxy Surveys



Report of Contributions

Contribution ID: 1

Type: **not specified**

Extracting Cosmology from Galaxy Surveys in the Systematics-Dominated Regime

Monday, July 3, 2023 10:00 AM (1 hour)

Presenter: KRAUSE, Elisabeth

Contribution ID: 2

Type: **not specified**

Talk

Contribution ID: 3

Type: **not specified**

The Effective Field Theory of Large-Scale Structure and Multi-tracer

Monday, July 3, 2023 11:30 AM (30 minutes)

Presenter: RUBIRA, Henrique

Contribution ID: 4

Type: **not specified**

Gravitation And the Universe from Large Scale-Structures: The GAUSS mission concept

Monday, July 3, 2023 12:00 PM (30 minutes)

Presenter: BLANCHARD, Alain

Contribution ID: 5

Type: **not specified**

Cleaning the Euclid (slitless) spectroscopic sample: how far can we anticipate and mitigate systematics?

Monday, July 3, 2023 2:00 PM (1 hour)

Presenter: MONACO, Pierluigi

Contribution ID: 6

Type: **not specified**

Discussion on Survey Design and Systematics

Monday, July 3, 2023 3:30 PM (1 hour)

Presenters: KRAUSE, Elisabeth; MONACO, Pierluigi

Contribution ID: 7

Type: **not specified**

Capturing non-Gaussian Information of the LSS: Novel Statistics & Novel Analysis Techniques

Wednesday, July 5, 2023 3:00 PM (1 hour)

Presenter: MORADINEZHAD, Azadeh

Contribution ID: 8

Type: **not specified**

Using marked correlation functions to trace the environmental correlations of galaxy properties

Wednesday, July 5, 2023 4:00 PM (30 minutes)

Presenter: SURESHKUMAR, Unnikrishnan Potty

Contribution ID: 9

Type: **not specified**

Improving cosmological constraints using comic web environments

Wednesday, July 5, 2023 5:00 PM (30 minutes)

Presenter: BONNAIRE, Tony

Contribution ID: **10**

Type: **not specified**

Projected galaxy clustering and weak lensing one-point statistics

Wednesday, July 5, 2023 5:30 PM (30 minutes)

Presenter: CASTIBLANCO, Lina

Contribution ID: **11**

Type: **not specified**

TBA

Thursday, July 6, 2023 9:00 AM (1 hour)

Presenter: ABEL, Tom

Contribution ID: 12

Type: **not specified**

Constraining and Estimating Cosmological Parameters from Persistent Homology

Thursday, July 6, 2023 11:00 AM (30 minutes)

Presenter: YIP, Jacky

Contribution ID: 13

Type: **not specified**

Constraining cosmology with density-split clustering

Thursday, July 6, 2023 10:00 AM (30 minutes)

Presenter: PAILLAS, Enrique

Contribution ID: 14

Type: **not specified**

Constraining cosmology with halo PDFs

Wednesday, July 5, 2023 6:00 PM (30 minutes)

Presenter: GOULD, Beth

Contribution ID: 15

Type: **not specified**

Discussion on Beyond 2-point Summaries

Thursday, July 6, 2023 11:30 AM (1 hour)

Presenters: MORADINEZHAD, Azadeh; ABEL, Tom

Contribution ID: 16

Type: **not specified**

Explicit Likelihood Approaches to Large Scale Structure

Tuesday, July 4, 2023 2:00 PM (1 hour)

Presenter: SELJAK, Uros

Contribution ID: 17

Type: **not specified**

Discussion on Field-level Inference

Tuesday, July 4, 2023 4:30 PM (1 hour)

Presenters: PORQUERES, Natalia; SELJAK, Uros

Contribution ID: **18**

Type: **not specified**

Public Talk?

Contribution ID: 19

Type: **not specified**

Field-level approach for cosmic shear

Tuesday, July 4, 2023 10:00 AM (1 hour)

Presenter: PORQUERES, Natalia

Contribution ID: 20

Type: **not specified**

Field-level cosmology from biased tracers in redshift space

Tuesday, July 4, 2023 12:00 PM (30 minutes)

Presenter: STADLER, Julia

Contribution ID: 21

Type: **not specified**

Talk

Contribution ID: 22

Type: **not specified**

Discussion

Presenters: PORQUERES, Natalia; SELJAK, Uros

Contribution ID: 23

Type: **not specified**

Uncovering Inflation with Galaxy N-pt functions

Thursday, July 6, 2023 2:00 PM (1 hour)

Presenter: PHILCOX, Oliver

Contribution ID: 24

Type: **not specified**

Short Talk

Contribution ID: 25

Type: **not specified**

Towards optimal and robust constraints of cosmic inflation using galaxy data

Thursday, July 6, 2023 4:00 PM (30 minutes)

Presenter: BARREIRA, Alex

Contribution ID: 26

Type: **not specified**

Primordial Non-Gaussianity and Relativistic Effects

Thursday, July 6, 2023 4:30 PM (30 minutes)

Presenter: DI DIO, Enea

Contribution ID: 27

Type: **not specified**

Bias Methods for Primordial Non-Gaussianity with Spectroscopic Surveys

Thursday, July 6, 2023 5:00 PM (30 minutes)

Presenter: SULLIVAN, James

Contribution ID: 28

Type: **not specified**

Extracting information on primordial non-Gaussianity at non-linear scales

Friday, July 7, 2023 9:00 AM (30 minutes)

Presenter: LIGUORI, Michele

Contribution ID: 29

Type: **not specified**

Constraining cosmology with non-linear wavelet transforms

Friday, July 7, 2023 9:30 AM (30 minutes)

Presenter: PERON, Matteo

Contribution ID: **30**

Type: **not specified**

Novel signatures of primordial non-Gaussianity in large scale structure simulation

Friday, July 7, 2023 10:00 AM (30 minutes)

Presenter: COULTON, Will

Contribution ID: 31

Type: **not specified**

Lattice simulations of inflation as a new way to predict the primordial density field

Friday, July 7, 2023 11:00 AM (30 minutes)

Presenter: CARAVANO, Angelo

Contribution ID: 32

Type: **not specified**

Welcome by the Organizers

Monday, July 3, 2023 9:45 AM (15 minutes)

Presenters: ABEL, Tom; BIAGETTI, Matteo (SISSA); SCHMIDT, Fabian; STADLER, Julia; UHLE-
MANN, Cora

Contribution ID: 33

Type: **not specified**

Field level model for HI and applications

Tuesday, July 4, 2023 11:30 AM (30 minutes)

Presenter: OBULJEN, Andrej

Contribution ID: 34

Type: **not specified**

Sampling for Field-Level Inference

Tuesday, July 4, 2023 3:00 PM (30 minutes)

Presenter: BAYER, Adrian

Contribution ID: 35

Type: **not specified**

Fast realistic, differentiable, mock halo generation for wide-field galaxy surveys

Tuesday, July 4, 2023 4:00 PM (30 minutes)

Presenter: DING, Simon

Contribution ID: 36

Type: **not specified**

Model-independent searches for New Physics from nonlinear scales

Thursday, July 6, 2023 3:00 PM (30 minutes)

Presenter: PIETRONI, Massimo

Contribution ID: 37

Type: **not specified**

Discussion on Primordial non-Gaussianity and primordial physics

Friday, July 7, 2023 11:30 AM (1 hour)

Presenter: PHILCOX, Oliver

Contribution ID: **38**

Type: **not specified**

Closing Remarks

Presenters: ABEL, Tom; BIAGETTI, Matteo; SCHMIDT, Fabian; STADLER, Julia; UHLEMANN, Cora

Contribution ID: **39**

Type: **not specified**

Free Discussion

Friday, July 7, 2023 2:00 PM (3 hours)