

New Strategies for Extracting Cosmology from Galaxy Surveys - 3rd edition

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Monday 7 July 2025 09:15 (15 minutes)

Contribution ID: 2

Type: **not specified**

Overview talk: higher-order N-point statistics

Presenter: SEFUSATTI, Emiliano

Contribution ID: 3

Type: **not specified**

HOD robustness of non-local primordial non-Gaussianity from power and bispectrum

Monday 7 July 2025 11:00 (30 minutes)

Presenter: VOS, Bernhard

Contribution ID: 4

Type: **not specified**

Intrinsic alignment bispectra in Stage IV galaxy surveys from first principles

Monday 7 July 2025 11:30 (30 minutes)

Presenter: BAKX, Thomas

Contribution ID: 5

Type: **not specified**

Computing the three-point correlation functions in photometric galaxy surveys

Monday 7 July 2025 14:00 (30 minutes)

Presenter: DEL PILAR SAMARIO NAVA, Sofia

Contribution ID: 6

Type: **not specified**

Latest DESI Cosmological results from DR2

Monday 7 July 2025 16:00 (30 minutes)

Presenter: VARGAS, Mariana

Contribution ID: 7

Type: **not specified**

Constraining primordial non-Gaussianity with DESI: DR1 result and future

Thursday 10 July 2025 15:00 (30 minutes)

Presenter: CHAUSSIDON, Edmond

Contribution ID: 8

Type: **not specified**

Implications of cosmological expansion models from the final Dark Energy Survey BAO and SN data

Tuesday 8 July 2025 15:00 (30 minutes)

Presenter: AVILA, Santiago

Contribution ID: 9

Type: **not specified**

Target Selection of PFS SSP Cosmology Survey

Monday 7 July 2025 16:30 (30 minutes)

Presenter: SHI, Jingjing

Contribution ID: **10**

Type: **not specified**

Progress on field level inference for primordial non-Gaussianity

Tuesday 8 July 2025 10:00 (30 minutes)

Presenter: FLÖSS, Thomas

Contribution ID: **11**

Type: **not specified**

Field-Level BAO Reconstruction

Tuesday 8 July 2025 11:00 (30 minutes)

Presenter: BAYER, Adrian

Contribution ID: 12

Type: **not specified**

Fiber Collisions in Beyond-2pt Analysyes

Presenter: NGUYEN, Minh

Contribution ID: 13

Type: **not specified**

Update your CV (cosmic variance) with CV (control variates)

Tuesday 8 July 2025 11:30 (30 minutes)

Presenter: PARIMBELLI, Gabriele

Contribution ID: 14

Type: **not specified**

Modelling Ha emitters for galaxy clustering studies

Tuesday 8 July 2025 14:30 (30 minutes)

Presenter: DESJACQUES, Vincent

Contribution ID: 15

Type: **not specified**

Forward-modelling Stage IV galaxy surveys for precise cosmological measurements

Tuesday 8 July 2025 14:00 (30 minutes)

Presenter: TORTORELLI, Luca

Contribution ID: 16

Type: **not specified**

Galaxy Clustering using Simulation-Based Inference

Wednesday 9 July 2025 10:00 (30 minutes)

Presenter: HAHN, ChangHoon

Contribution ID: 17

Type: **not specified**

Addressing Model Misspecification in Cosmological Simulation-Based Inference

Wednesday 9 July 2025 11:30 (30 minutes)

Presenter: PIERRE, Sébastien

Contribution ID: 18

Type: **not specified**

Simulation-based inference of cosmology from multi-probe maps using deep learning

Wednesday 9 July 2025 14:00 (30 minutes)

Presenter: THOMSEN, Arne

Contribution ID: 19

Type: **not specified**

Extracting more information from the Lyman-a forest: from EFT to AI

Presenter: DE BELSUNCE, Roger

Contribution ID: 20

Type: **not specified**

Modeling systematic and statistical errors in spectroscopic galaxy clustering

Friday 11 July 2025 09:00 (30 minutes)

Presenter: SALVALAGGIO, Jacopo

Contribution ID: 21

Type: **not specified**

JAX-based one-loop EFT code for full-shape analysis of galaxy power spectrum

Wednesday 9 July 2025 14:30 (30 minutes)

Presenter: KOBAYASHI, Yosuke

Contribution ID: 22

Type: **not specified**

Vlasov Perturbation Theory

Wednesday 9 July 2025 15:00 (30 minutes)

Presenter: SCOCCIMARRO, Roman

Contribution ID: 23

Type: **not specified**

Testing Dark Matter properties in light of DESI data

Thursday 10 July 2025 15:30 (30 minutes)

Presenter: CASTORINA, Emanuele

Contribution ID: 24

Type: **not specified**

Successes and Challenges of the Wavelet Scattering Transform for Analyzing Galaxy Clustering

Wednesday 9 July 2025 11:00 (30 minutes)

Presenter: REGALDO, Bruno

Contribution ID: 25

Type: **not specified**

Analytical model for density-split clustering with the Large Deviation Theory framework

Presenter: PINON, Mathilde

Contribution ID: 27

Type: **not specified**

The LIGER method: Relativistic redshift space distortions in next-generation surveys

Friday 11 July 2025 09:30 (30 minutes)

Presenter: ELKHASHAB, Mohamed Yousry Abdellatif

Contribution ID: 28

Type: **not specified**

LSS with hydrogen intensity mapping

Thursday 10 July 2025 16:00 (30 minutes)

Presenter: CARUCCI, Isabella