

Session Program

8-12 Sept 2026



Cosmic Rhythms

SBI and Field level inference

CBPF, Auditório Ministro João Alberto Lins e Barros
Rua Dr. Xavier Sigaud, 150 - Urca Rio de Janeiro - RJ - Brasil CEP: 22290-180

Wednesday 9 September

14:00

SBI and Field level inference

Session |

Location: CBPF, Auditório Ministro João Alberto Lins e Barros, Rua Dr. Xavier Sigaud, 150 - Urca Rio de Janeiro - RJ - Brasil CEP: 22290-180

14:00–14:30

Simulation-based and field-level inference: definitions, opportunities, and challenges

Speaker

Fabian Schmidt

14:30–14:45

Simulation-based inference for multi-probe cosmology

Speaker

Adrian E. Bayer Not Supplied

14:45–15:00

Fast tools for multi-probe forward modelling

Speaker

Laura Reymond

15:00–15:15

Deep learning insights into non-universality in the halo mass function

Speaker

Ningyuan (Lillian) Guo

15:15–15:30

How much cosmology is encoded in galaxies?

Speaker

Mrs Natalí Soler Matubaro de Santi

15:30–16:00

Questions

16:00–16:30

Coffee break

16:30–17:00

Baojiu Li: Numerical simulations for LSS x CMB analysis

Speaker

Baojiu Li

17:00–17:15

Emulator development efforts within Euclid

Speaker

Ivan Sladoljev

17:15–17:30

Forward-Modelling Galaxy Surveys: A Robust Analytic Model for Projected Galaxy Bias

Speaker

Maximilian von Wietersheim-Kramsta

17:30–17:45

Simulation-based emulators for DESI galaxy clustering

Speaker

Enrique Paillas

17:45-18:00

Field Level Inference: Bayesian Hierarchical Models for Next-Generation Large-Scale Structure Analysis

Speaker

Dr Arthur Loureiro

18:00-18:30

Questions

18:45