Session Program

20–23 mai 2025

Paris workshop on Bayesian Deep Learning for Cosmology and Time Domain Astrophysics 3rd ed.

Bayesian inferences

Université Paris Cité, Buffon Amphitheater
15 rue Hélène Brion 75013 Paris

jeu. 22 mai

09:00

Bayesian inferences
Session | **Site:** Université Paris Cité, Buffon Amphitheater, 15 rue Hélène Brion 75013 Paris

09:00 – 10:00   **Neural compression and neural density estimation for cosmological inference**

Orateur
Justine Zeghal

10:00

10:50

Bayesian inferences
Session | **Site:** Université Paris Cité, Buffon Amphitheater, 15 rue Hélène Brion 75013 Paris

10:50 – 11:10   **Benchmarking field-level cosmological inference from galaxy redshift surveys**

Orateur
Hugo Simon

11:10 – 11:30

Bayesian inverse problem with scattering transform : application to instrumental decontamination

Orateur
Sebastien PIERRE

11:30 – 11:50

CMBAgent -- Open Source Planning and Control System for Science with Large Language Model Agents

Orateur
Boris Bolliet

11:50 – 12:10   **What does it take to make MCMC feasible in very high dimensions?**

Orateur
Jakob Robnik

12:10 – 12:30

JaxPM: A JAX-Based Framework for Scalable and Differentiable Particle Mesh Simulations in Cosmology

Orateur
Wassim KABALAN

12:30