

Session Program

May 20 – 23, 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

Thu, May 22

9:00 AM	<p>Bayesian inferences Session Location: Université Paris Cité, Buffon Amphitheater, 15 rue Hélène Brion 75013 Paris</p>
10:00 AM	<p>9:00 – 10:00 AM Neural compression and neural density estimation for cosmological inference</p> <p>Speaker Justine Zeghal</p>
10:50 AM	<p>Bayesian inferences Session Location: Université Paris Cité, Buffon Amphitheater, 15 rue Hélène Brion 75013 Paris</p>
	<p>10:50 – 11:10 AM Benchmarking field-level cosmological inference from galaxy redshift surveys</p> <p>Speaker Hugo Simon</p>
	<p>11:10 – 11:30 AM</p> <p>Bayesian inverse problem with scattering transform : application to instrumental decontamination</p> <p>Speaker Sebastien PIERRE</p>
	<p>11:30 – 11:50 AM</p> <p>CMBAgent -- Open Source Planning and Control System for Science with Large Language Model Agents</p> <p>Speaker Boris Bolliet</p>
	<p>11:50 AM – 12:10 PM What does it take to make MCMC feasible in very high dimensions?</p> <p>Speaker Jakob Robnik</p>
12:30 PM	<p>12:10 – 12:30 PM</p> <p>JaxPM: A JAX-Based Framework for Scalable and Differentiable Particle Mesh Simulations in Cosmology</p> <p>Speaker Wassim KABALAN</p>