

## Session Program

May 20 – 23, 2025



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

## ***BDL School***

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

## Tue, May 20

9:00 AM

### BDL School: morning session

Session | Location: Université Paris Cité, Turing Amphitheater - Sophie Germain building | Convener: Alexandre Boucaud

9:00 – 10:30 AM **Foundation Models for Astronomy**

**Speaker**

Francois Lanusse

10:30 – 11:00 AM **coffee break**

11:00 AM – 12:30 PM

**Density Estimation and Simulation Based Inference: introduction and applications to galaxy formation**

**Speaker**

Marc Huertas-Company

12:30 PM

2:00 PM

### BDL School: Afternoon session

Session | Location: Université Paris Cité, Turing Amphitheater - Sophie Germain building | Convener: Cécile Roucelle

2:00 – 3:30 PM **Machine learning for time-domain astronomy at scale: the example of Fink**

**Speaker**

Dr Julien Peloton

3:30 – 3:45 PM **break**

3:45 – 5:15 PM **Bayesian Inference for Cosmology with JAX**

**Speaker**

Wassim KABALAN

5:15 PM