

## Session Program

May 20 – 23, 2025



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

## *Gravitational waves*

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

# Wed, May 21

9:15 AM	<b>Gravitational waves</b> Session   Location: Université Paris Cité, Buffon Amphitheater, 15 rue Hélène Brion 75013 Paris
10:15 AM	<b>9:15 – 10:15 AM Simulation-based inference for gravitational-wave science</b> Speaker Konstantin Leyde
11:10 AM	<b>Gravitational waves</b> Session   Location: Université Paris Cité, Buffon Amphitheater, 15 rue Hélène Brion 75013 Paris
	<b>11:10 – 11:30 AM</b> <b>Non-Parametric Normalizing Flow Modeling of Binary Black Hole Populations for Unbiased Dark Siren Cosmology</b> Speaker LEONARDO lampieri
	<b>11:30 – 11:50 AM GW parameters estimation with DNN</b> Speaker Edward Porter
	<b>11:50 AM – 12:10 PM Disentangling the Gravitational Symphony: Machine Learning for LISA's Global Fit</b> Speaker Antsa Rasamoela
12:30 PM	<b>12:10 – 12:30 PM</b> <b>The plug-and-play approach: learning the prior distribution from simulations. Application to gravitational wave reconstruction</b> Speaker Pierre PALUD