Contribution ID: 100 Type: Talk

Short course 2: Field-level inference

Friday, July 25, 2025 2:00 PM (1h 30m)

- Part 3: Bayesian hierarchical modelling
 - Bayesian hierarchical models
 - Wiener Filtering and the Messenger Field algorithm
 - Bayesian hierarchical models for joint field-parameter sampling
 - Practical work: Joint field-parameter sampling
- Part 4: State-of-the-art
 - Field-level inference for the Cosmic Microwave Background
 - Field-level inference for galaxy clustering
 - Field-level inference for other/joint cosmological probes
 - Machine Learning for Field-level inference

Presenter: LECLERCQ, Florent (Institut d'Astrophysique de Paris)

Session Classification: Lecture: Large scale structures of the universe: physics, phenomenology,

statistics