

**Session Program**

**Nov 4 - 8, 2024**

**ML4Jets2024**

***Uncertainties & Interpretability***

LPNHE, Paris, France

# Wed, November 6

10:50 AM

## Uncertainties & Interpretability

**Session** | **Location:** Salle Séminaires | **Convener:** Martin Klassen

10:50 - 11:10 AM **Frequentist Uncertainties on Density Ratios with Ensembles**

**Speaker**

Sean Benevedes

11:10 - 11:30 AM **Machine Learning the Top Mass**

**Speaker**

Katherine Fraser

11:30 - 11:50 AM

**Calibrating ATLAS calorimeter signals using an uncertainty-aware precision network**

**Speaker**

Mr Lorenz Vogel

11:50 AM - 12:10 PM

**Uncertainty Quantification and Anomaly Detection with Evidential Deep Learning**

**Speaker**

Mark Neubauer

12:10 PM

# Thu, November 7

9:00 AM

## Uncertainties & Interpretability

**Session** | **Location:** Salle des séminaires | **Convener:** Manuel Szewc

9:00 - 9:20 AM **The good, the bad, and the Bayesian?**

**Speaker**

Nina Elmer

9:20 - 9:40 AM

**Calibrating Bayesian Generative Machine Learning for Bayesian amplification**

**Speaker**

Sebastian Guido Bieringer

9:40 - 10:00 AM

**KAN we improve on HEP classification tasks? Kolmogorov-Arnold Networks applied to an LHC physics example**

**Speaker**

Florian Alexander Mausolf

10:00 - 10:20 AM

**ParticleNet: Calibration of the jet energy scale using pT regression with partial Run3 data collected by the CMS experiment**

**Speaker**

Matteo Malucchi

10:20 AM