Session Program

November 27, 2023 to December 1, 2023

Artificial Intelligence and the Uncertainty challenge in Fundamental Physics

Architectures

Fri, December 1

9:00 AM

Architectures

Session | **Conveners:** David Rousseau, Gregor Kasieczka

9:00 – 9:35 AM **Robustness to Uncertainties in Machine Learning Applications for HEP**

Speaker
tommaso dorigo

9:45 – 10:10 AM **Data Subsampling for Bayesian Neural Networks**

Speaker
Eiji Kawasaki

10:15 – 10:40 AM **Efficient Sampling from Bayesian Network Posteriors for Optimal Uncertainties**

Speaker
Sebastian Bieringer

10:45 – 11:15 AM **Coffee break**

11:15 – 11:50 AM **Revisiting models and uncertainty with AI**

Speaker
Gael Varoquaux

12:00 PM