ID de Contribution: **95**                                                     Type: **Non spécifié**

# Boosting event generation and inference with new machine learning methods

*lundi 26 septembre 2022 11:40 (50 minutes)*

First-principle simulations are at the heart of the high-energy physics research program. They link the vast data output of multi-purpose detectors with fundamental theory predictions and interpretation. In this talk I will discuss a range of applications of modern machine learning to event generation and simulation-based inference, including conceptional developments driven by the specific requirements of particle physics.

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**Classification de Session:**   Monday morning