**Session Program**

**6–10 Nov 2023**



# ML4Jets2023

# *Generative Models and Simulation*

DESY, Main Auditorium

# Monday 6 November

## Generative Models and Simulation

**Session** | **Location:** DESY, Seminarraum 4a/b | **Convener:** Ramon Winterhalder

**11:00–11:15**

**Generating Accurate Showers in Highly Granular Calorimeters Using Convolutional Normalizing Flows**

**Speaker**
Thorsten Buss

**11:15–11:30**

**Pushing Normalizing Flows for higher-dimensional Detector Simulations**

**Speaker**
Florian Ernst

**11:30–11:45** **Attention to Mean Fields for Particle Cloud Generation**

**Speaker**
Benno Kach

**11:45–12:00** **Latent Generative Models for Fast Calorimeter Simulation**

**Speaker**
Qibin Liu

**12:00–12:15** **New Angles on Fast Calorimeter Shower Simulation**

**Speaker**
Peter McKeown

**12:15–12:30**

**Improved selective background Monte Carlo simulation at Belle II with graph attention networks and weighted events**

**Speaker**
Boyang Yu