

## **Session Program**

**6-10 Nov 2023**



# **ML4Jets2023**

## ***Generative***

DESY, Main Auditorium

# Thursday 9 November

10:00

## Generative

**Session** | **Location:** DESY, Main Auditorium

10:00–10:15

### Ultra-fast generation of Air Shower Images for Imaging Air Cherenkov Telescopes with Generative Adversarial Networks

**Speaker**

Christian Elflein

10:15–10:30

### ParticleGrow: Event by event simulation of heavy-ion collisions via autoregressive point cloud generation

**Speaker**

Manjunath Omana Kuttan

10:30

11:00

## Generative

**Session** | **Location:** DESY, Main Auditorium | **Convener:** Frank-Dieter Gaede

11:00–11:15

### caloutils - Utilities and Metrics for Generative Models of Calorimeter Showers

**Speaker**

Mr Moritz Scham

11:15–11:30

### Understanding generative networks via classifier weight distributions

**Speaker**

Luigi Favaro

11:30–11:45

### Level up your performance calculation of the fast shower simulation model

**Speaker**

Anna Zaborowska

11:45–12:00

### The New Physics Learning Machine: machine learning for goodness-of-fit via Neyman—Pearson testing

**Speaker**

Dr Marco Letizia

12:00–12:30

### The Fast Calorimeter Simulation Challenge 2022

**Speaker**

Dr Claudius Krause

12:30