

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