

Session Program

6-10 Nov 2023



ML4Jets2023

Generative: Sets and Point Clouds

DESY, Main Auditorium

Tuesday 7 November

11:00

Generative: Sets and Point Clouds

Session | **Location:** DESY, Main Auditorium | **Convener:** Dr Claudius Krause

11:00–11:15

Fitting a deep generative hadronization model

Speaker

Adam Kania

11:15–11:30

Fast Particle Cloud Generation with Flow Matching and Diffusion

Speaker

Cedric Ewen

11:30–11:45

Beyond Kinematics: Generating Jets with Particle-ID and Trajectory Displacement Information

Speaker

Joschka Valentin Maria Birk

11:45–12:00

CaloPointFlow - Generating Calorimeter Showers as Point Clouds

Speaker

Simon Schnake

12:00–12:15

PC-Droid: Jet generation with diffusion

Speaker

Debajyoti Sengupta

12:15–12:30

DeepTreeGAN: Fast Generation of High Dimensional Point Clouds

Speaker

Mr Moritz Scham

12:30