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