Session Program

6–10 Nov 2023

ML4Jets2023

Super Resolution, Reweighting, and Refinement

DESY, Main Auditorium

Monday 6 November

14:00

Super Resolution, Reweighting, and Refinement
Session | **Location:** DESY, Main Auditorium | **Convener:** Kevin Pedro

14:00–14:15 **Regression-based refinement of fast simulation**

Speaker
Moritz Jonas Wolf

14:15–14:30 **Refining Fast Calorimeter Simulations with a Schrödinger Bridge**

Speaker
Sascha Diefenbacher

14:30–14:45 **SuperCalo: Calorimeter shower super-resolution**

Speaker
Ian Pang

14:45–15:00

Denoising Graph Super-Resolution with Diffusion Models and Transformers for Improved Particle Reconstruction

Speaker
Nilotpal Kakati

15:00–15:15

SR-GAN for SR-gamma: photon super resolution at collider experiments

Speaker
Florian Alexander Mausolf

15:30