

ML4Jets2024

Tuesday 5 November 2024

Detector Simulation - Salle Séminaires (16:00 - 17:40)

-Conveners: Claudius Krause

time	[id] title	presenter
16:00	[51] Generative transformers for learning point-cloud simulations	ROSE, Henning
16:20	[73] CaloDREAM -- Detector Response Emulation via Attentive flow Matching	FAVARO, Luigi
16:40	[81] Higher Resolution and Angular Conditioning for Normalizing-Flow-based Generation of Calorimeter Showers	BUSS, Thorsten Lars Henrik
17:00	[20] Calo4pQVAE: A calorimeter surrogate for high energy particle-calorimeter interactions using Dwave's Zephyr topology	TOLEDO-MARIN, J. Quetzalcoatl
17:20	[30] BitHEP – Are 1-Bit Networks all we need?	WANG, Daohan

Wednesday 6 November 2024

Detector Simulation - Salle séminaire (09:00 - 10:20)

-Conveners: Sascha Diefenbacher

time	[id] title	presenter
09:00	[10] Fast Perfekt: Regression-based refinement of fast simulation	STIETZ, Lars
09:20	[99] Refining CMS Fast Simulation with ML-based regression	BEIN, Samuel Louis
09:40	[63] Faster Than Fast: Pushing the Limits of Simulation with Generative Models in HEP	QIAN, Sitian
10:00	[70] Parnassus: An Automated Approach to Accurate, Precise, and Fast Detector Simulation and Reconstruction	KOBYLIANSKII, Dmitrii

Thursday 7 November 2024

Detector Simulation - Salle Séminaires (13:50 - 15:30)

-Conveners: Timo Janssen

time	[id] title	presenter
13:50	[13] A Library for ML-based Fast Calorimeter Shower Simulation at Future Collider Experiments and Beyond	MCKEOWN, Peter
14:10	[17] Towards Detector Agnostic Fast Calorimetry Simulation	RAIKWAR, Piyush
14:30	[83] CaloClouds III: Ultra-Fast Geometry-Independent Highly-Granular Calorimeter Simulation	KOROL, Anatolii
14:50	[44] Point-Clouds based Diffusion Model on Hadronic Showers	MOZZANICA, Martina