

KISS Annual Meeting

Wednesday 12 March 2025

A: Fast surrogates - 537 (09:00 - 12:30)

-Conveners: Marcus Marcus Brüggem; Frank Gaede; Frank Siegert

time	[id] title	presenter
09:00	[9] Matrix element surrogates for realistic LHC event generation setups	HERRMANN, Tim
09:30	[10] Accuracy and uncertainty control for ML-Amplitudes	ELMER, Nina
10:00	[11] CaloClouds 3 model for fast EM shower simulation and flow optimisation	DAY-HALL, Henry
10:30	Coffee break	
11:00	[12] Fast hadronic shower generation with diffusion and flow models	BUSS, Thorsten Lars Henrik
11:30	[13] PXD background generation using generative models	NOVISSIMO, Fabio
12:00	[16] HEIDi: Heavy-ion Events through Intelligent Diffusion	OMANA KUTTAN, Manjunath

A: Fast surrogates - 537 (14:00 - 15:30)

time	[id] title	presenter
14:00	[15] Learning Optimal and Interpretable Summary Statistics of Galaxy Catalogs with SBI	LEHMANN, Kai
14:30	[3] Transfer Learning for Smart Background Simulation at Belle II	GIESEGH, David
15:00	[17] A benchmark suite for samples	LA CAGNINA, Salvatore