

EuCAIFCon 2024

Tuesday, 30 April 2024

3.2 Physics-informed AI & Integration of physics and ML (17:10 - 18:15)

-Conveners: Tilman Plehn

time	[id] title	presenter
17:10	[183] FlashSim: an end-to-end fast simulation prototype using Normalizing Flow	VASELLI, Francesco
17:13	[202] A Neural-Network-defined Gaussian Mixture Model for particle identification in LHCb	FRANZOSO, Edoardo
17:16	[118] Validating Explainable AI Techniques through High Energy Physics Data	MONTELEONE, Mariagrazia
17:19	[177] Understanding galaxy cluster evolution with contrastive learning	Dr CHADAYAMMURI, Urmila
17:22	[52] Modeling blazar broadband emission with convolutional neural network	Prof. SAHAKYAN, Narek
17:42	[109] Attention to the strengths of physics interactions: Enhanced Deep Learning Event Classification for Particle Physics Experiments	MOSKVITINA, Polina
18:02	[179] Machine-learning analysis of cosmic-ray nuclei data from the AMS-02 experiment	Dr KHAN, Shahid
18:05	[105] Generating Lagrangians for particle theories	Dr CAMARGO-MOLINA, Eliel
18:08	[97] Lorentz-Equivariant Geometric Algebra Transformers for High-Energy Physics	BRESÓ PLA, Víctor
18:11	[55] Turning optimal classifiers into anomaly detectors	RUBIO JIMENEZ, Adrian