Workshop on Machine Learning for Cosmic-Ray Air Showers

Wednesday 02 February 2022

Wednesday (09:00-10:30)

time	[id] title	presenter
09:00	[17] Machine learning based event reconstruction in Telescope Array surface detector	KALASHEV, Oleg
09:45	[8] State-of-art deep learning technologies and their application to air-shower reconstruction	SOTNIKOV, Vladimir

Wednesday (11:00-12:30)

time	[id] title	presenter
11:00	[15] Deep Learning for Air Shower Reconstruction at the Pierre Auger Observatory	GLOMBITZA, Jonas FOR THE PIERRE AUGER COLLABORATION
11:30	[34] Extraction of the Muon Signals Recorded with the Surface Detector of the Pierre Auger Observatory Using Recurrent Neural Networks	CARCELLER, Juan Miguel
12:00	[6] Neural Network Approaches for Event Classification Onboard EUSO-SPB2	FILIPPATOS, George

Wednesday (14:00-15:30)

time	[id] title	presenter
14:00	[27] CORSIKA and CONEX for air shower simulations	PIEROG, Tanguy
14:45	[14] CORSIKA 8: A modern framework for high-energy cascade simulations	PRECHELT, Remy

Wednesday: Tutorial (16:00-17:30)

time	[id] title	presenter
16:00	[32] Machine Learning and Artificial Intelligence in Physics: Overview and Applications	DOBLER, Gregory