Workshop on Machine Learning for Cosmic-Ray Air Showers

Thursday 03 February 2022

Thursday (09:00-10:30)

time	[id] title	presenter
09:00	[16] Machine learning in Baikal-GVD	KHARUK, Ivan
09:35	[20] Towards mass composition study with KASCADE using deep learning	REUTSKY , Daniil
09:55	[28] IACT event reconstruction with deep learning: some progress, lessons learned, and outlook from CTLearn	NIETO, Daniel

Thursday (11:00-12:30)

time	[id] title	presenter
11:00	[21] Search for optimal deep neural network architecture for gamma detection at KASCADE	TSOBENKO, Margarita
11:20	[11] Photon flux calculation using Deep Learning	BHANDERI, Jigar
11:55	[5] Improving the gamma-hadron separation for air showers at the IceCube Neutrino Observatory	BONTEMPO, Federico

Thursday (14:00-15:30)

time	[id] title	presenter
14:00	[19] Open questions in deep learning techniques for the radio detection	KOSTUNIN, Dmitriy
14:45	[9] Deep Learning for Classification and Denoising of Cosmic-Ray Radio Signals	REHMAN, Abdul
15:15	[23] Training Neural Networks to Classify and Denoise Cosmic-Ray Radio Signals Using Background Measured at the South Pole	KULLGREN, Dana

Thursday (16:00-17:30)

time	[id] title	presenter
16:00	[24] Crowdsourcing your training labels with Zooniverse	FORTSON, Lucy
16:30	[2] What slow down cosmic ray analysis and what can we do about them?	BAI, Xinhua
16:55	[33] Workshop on Machine learning for Cosmic-Ray Air Showers - Summary & Outlook	PLUM, Matthias
17:20	[29] Good Bye	SCHROEDER, Frank