

Session Program

August 23, 2021 to October 7, 2021



10th International Conference on New Frontiers in Physics (ICNFP 2021)

Mini-workshop on Machine Learning for Particle Physics

Venue: OAC conference center, Kolymbari, Crete, Greece. Participation is possible also via internet.

Wed, August 25

11:00 AM

Mini-workshop on Machine Learning for Particle Physics

Session | Location: Room 2 | Convener: Tommaso Dorigo

11:00 - 11:30

Mitigation of systematic errors induced biases in ML-based selection in HEP analysis

Speaker

Francisco Matorras

11:30 - 12:00

Reconstruction of the transverse momentum of a dark matter mediator using a neural network in regression mode

Speaker

Mr Rubén López Ruiz

12:00 - 12:30

Machine learning classification for D0 meson signal extraction in d+Au collisions

Speaker

Kateřina Hladká

12:30 - 13:00

Muon Energy Regression from Radiative Losses in a Granular Calorimeter

Speaker

Lukas Layer

13:00 - 13:30

Higgs self-coupling measurements in the HL-LHC era: new approaches for the HH->4b final state.

Speaker

Santiago Rafael Paredes Saenz

1:30 PM

5:00 PM

Mini-workshop on Machine Learning for Particle Physics

Session | Location: Room 2

17:00 - 17:30

Particle-based Fast Jet Simulation at the LHC with Variational Autoencoders

Speaker

Mary Touranakou

5:30 PM

Thu, August 26

5:00 PM

Mini-workshop on Machine Learning for Particle Physics

Session | Location: Room 2

17:00 - 17:30 **Calibration of the PANDA Electromagnetic Calorimeter**

Speaker

Hang Qi

17:30 - 18:00

Application of Deep Machine Learning for the PANDA Software Trigger

Speaker

Peiyong Jiang

7:00 PM

Fri, August 27

11:00 AM

Mini-workshop on Machine Learning for Particle Physics

Session | Location: Room 2

11:00 - 11:30

Machine Learning for Real-Time Processing of ATLAS Liquid Argon Calorimeter Signals with FPGAs

Speaker

Etienne Marie Fortin

11:30 - 12:00

Graph Networks

12:00 - 12:30

RanBox: Anomaly Detection in the Copula Space

Speaker

Tommaso Dorigo

12:30 - 13:00

Bayesian resampling approaches to the problem of matrix inversion without actually inverting any matrix

Speaker

Dr Pietro Vischia

13:00 - 13:30

Missing values treatment in event classification.

Speaker

Aleksandr Petukhov

1:50 PM