

Session Program

12-16 Sept 2022



Second MODE Workshop on Differentiable Programming for Experiment Design

Wine Tasting and Poster Session

OAC conference center, Kolymbari, Crete, Greece.

Wednesday 14 September

19:00

Wine Tasting and Poster Session

Session | **Location:** OAC conference center, Kolymbari, Crete, Greece.

19:00–19:10

Decrypting hadronic showers for studies of particle ID with Deep Learning

Speakers

Rumman Neshat, Tommaso Dorigo

19:00–19:10

Differentiable Preisach Modeling for Characterization and Optimization of Particle Accelerator Systems with Hysteresis

Speaker

Ryan Roussel

19:00–19:10

(Poster) Muon identification and gamma/hadron discrimination using compact single-layered water Cherenkov detectors powered by Machine Learning techniques

Speaker

BS González

19:00–19:10

Muon momentum measurement in Muon Scattering Tomography

Speaker

Mr Maxime Lagrange

19:05–19:15

A flexible and efficient machine learning approach for data quality monitoring

Speaker

Dr Marco Letizia

19:10–19:20

Automatic Optimization of Derivatives with Polyhedral Compiler

Speaker

Alexander Demin

19:10–19:20

Reconstruction techniques for nuclear reactions measured with ACTIVE TARGET TPC

Speaker

Lorenzo Domenichetti

19:10–19:20

Concept of measuring (Multi-)Strange Hadron Yields in the CBM Experiment using Machine Learning Techniques

Speaker

Axel Puntke

20:00