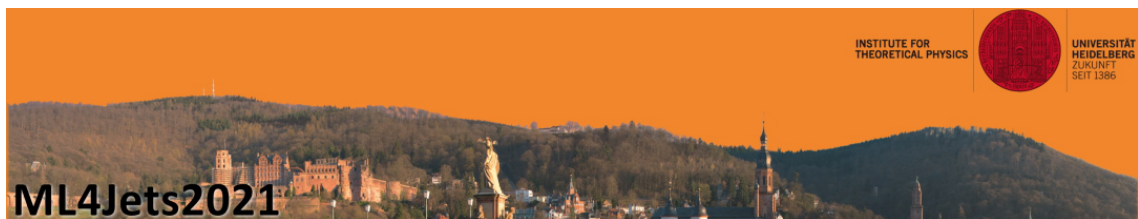


Session Program

Jul 6 - 8, 2021



ML4Jets2021

Regression, Calibration, and Fast Inference

Wed, July 7

2:00 PM

Regression, Calibration, and Fast Inference: Calibration

Session | **Location:** Philosophenweg 12, 69120 Heidelberg, Germany | **Conveners:**
Ines Ochoa, Jennifer Ngadiuba

14:00 - 14:20

Machine learning based Particle Flow algorithm and application of super-resolution techniques

Speaker

Sanmay Ganguly

14:20 - 14:40

Using Machine Learning for Heavy-Ion Jet p_{T} Reconstruction in ALICE

Speaker

Hannah Bossi

14:40 - 15:00

Learning Uncertainties the Frequentist Way: Calibration and Correlation in High Energy Physics

Speaker

Rikab Gambhir

15:00 - 15:20

ML in jet physics beyond classification

Speaker

Loukas Gouskos

3:20 PM

3:20 PM

Regression, Calibration, and Fast Inference: Regression

Session | **Location:** Philosophenweg 12, 69120 Heidelberg, Germany | **Conveners:**
Jennifer Ngadiuba, Ines Ochoa

15:20 - 15:40

Pileup mitigation in CMS

Speaker

Benedikt Maier

15:40 - 16:00

Lightweight Jet Reconstruction as an Object Detection Task

Speaker

Adrian Alan Pol

16:00 - 16:20

Measurement of Muon Energy From Radiative Losses in a Granular Calorimeter

Speaker

Giles Chatham Strong

16:20 - 16:40

Deep learning jet modifications in heavy-ion collisions

Speaker

Dr Yilun Du

4:40 PM

4:40 PM

Regression, Calibration, and Fast Inference: Fast Inference

Session | **Location:** Philosophenweg 12, 69120 Heidelberg, Germany | **Conveners:**
Ines Ochoa, Jennifer Ngadiuba

16:40 - 17:00 **Matrix Element Calculations on the GPU**

Speaker

Joshua Isaacson

17:00 - 17:20

Jet Identification in L1 Trigger at HL-LHC based on DNN implementation on FPGA

Speaker

Dr Andre Sznajder

17:20 - 17:40

OnlineFlow: Trigger Free Analysis Using Online Learned Generative Models

Speaker

Sascha Daniel Diefenbacher

5:40 PM