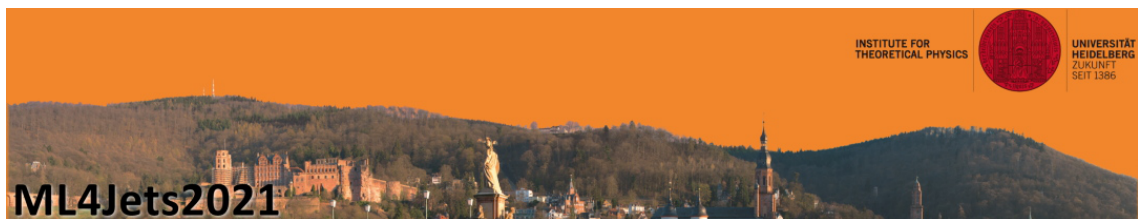


Session Program

6-8 Jul 2021



ML4Jets2021

Regression, Calibration, and Fast Inference

Wednesday 7 July

14:00

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

15:20

15:20

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

16:40

16:40

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

17:40