Session Program

11–15 Nov 2019

4th ATLAS Machine Learning Workshop

Public

CERN, 6/2-024 - BE Auditorium Meyrin

Monday 11 November

09:00

Public: Monday Public Session
Session | **Location:** CERN, 500/1-001 - Main Auditorium

12:00

13:00

Public: Monday Afternoon
Session | **Location:** CERN, 500/1-001 - Main Auditorium

13:00–13:17 **Introduction**

Speakers
Amir Farbin, Dan Guest

Location
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13:27–13:37 **Dark Machines**

Speaker
Bob Stienen

Location
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13:45–14:10

A deep neural network for simultaneous estimation of b quark energy and resolution for the CMS experiment

Speaker
Nadezda Chernyavskaya

Location

14:10–14:30 **DNNLikelihood**

Speaker
Riccardo Torre

Location

14:40–15:00 **Break**

15:05–15:25

A deep neural network-based tagger to search for new long-lived particle states decaying to jets

Speaker
Vilius Cepaitis

Location
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15:35–16:00

Fast Machine Learning Inference on FPGAs for Trigger and DAQ with hls4ml

Speaker
Sioni Paris Summers

Location
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16:10–16:30 **Break**

19:00

Location
CERN, 500/1-001 - Main Auditorium

16:10–16:30 **Break**

Friday 15 November

14:00

Public: Friday Afternoon
Session | **Location:** CERN, 6/2-024 - BE Auditorium Meyrin

14:00–14:25 **ML Inference in CMSSW**

Speaker
Huilin Qu

Location

14:35–15:00 **Distributed training and optimization**

Speaker
Dr Jean-Roch Vlimant

Location
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15:05–15:25 **Break**

15:35–15:55 **Adversarial training for ttH(bb) classification**

Speaker
Paul Glaysher

Location
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16:05–16:30 **Machine Learning for BSM**

Speaker
Andrea Wulzer

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16:40–17:00 **GPUs in Reconstruction**

Speaker
Dr Charles Leggett

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18:00