

# **Machine Learning for High Energy Physics - a mini course**



## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Basics of neural networks and training

*Monday, February 4, 2019 9:45 AM (1 hour)*

**Presenter:** KASIECZKA, Gregor (Hamburg University (DE))

Contribution ID: 2

Type: **not specified**

## Convolutional networks

*Monday, February 4, 2019 11:00 AM (1h 15m)*

**Presenter:** KASIECZKA, Gregor (Hamburg University (DE))

Contribution ID: 3

Type: **not specified**

## Recurrent architectures

*Monday, February 4, 2019 2:00 PM (1 hour)*

**Presenter:** KASIECZKA, Gregor (Hamburg University (DE))

Contribution ID: 4

Type: **not specified**

# Combining Physics and Deep Learning

*Monday, February 4, 2019 3:15 PM (1h 15m)*

**Presenter:** KASIECZKA, Gregor (Hamburg University (DE))

Contribution ID: 5

Type: **not specified**

# Systematic Uncertainties and Learning from Data

*Tuesday, February 5, 2019 9:30 AM (1h 15m)*

**Presenter:** KASIECZKA, Gregor (Hamburg University (DE))

Contribution ID: 6

Type: **not specified**

## **Generative Networks and Understanding network decisions**

*Tuesday, February 5, 2019 11:00 AM (1 hour)*

**Presenter:** KASIECZKA, Gregor (Hamburg University (DE))

Contribution ID: 7

Type: **not specified**

## Hands-on

*Tuesday, February 5, 2019 2:00 PM (1 hour)*

**Presenter:** KASIECZKA, Gregor (Hamburg University (DE))



Contribution ID: 8

Type: **not specified**

## Hands-on

*Tuesday, February 5, 2019 3:15 PM (1h 15m)*

**Presenter:** KASIECZKA, Gregor (Hamburg University (DE))

Contribution ID: 9

Type: **not specified**

## Scaling up TensorFlow on Accelerators

*Tuesday, February 5, 2019 5:00 PM (40 minutes)*

**Presenter:** RITTER, Marvin (Google AI)

Contribution ID: **10**

Type: **not specified**

## **Invited evening talk: Machine Learning for HL-LHC**

*Monday, February 4, 2019 5:00 PM (40 minutes)*

**Presenter:** NGADIUBA, Jennifer (CERN)

Contribution ID: 11

Type: **not specified**

## Registration

*Monday, February 4, 2019 9:00 AM (30 minutes)*

Contribution ID: 12

Type: **not specified**

## Introduction

*Monday, February 4, 2019 9:35 AM (10 minutes)*

**Presenter:** AARRESTAD, Thea (Universitaet Zuerich (CH))

Contribution ID: 13

Type: **not specified**

## Welcome

*Monday, February 4, 2019 9:30 AM (5 minutes)*

**Presenter:** KILMINSTER, Ben (Universitaet Zuerich (CH))