

# **Machine Learning and Quality Control in ALICE**

## **Report of Contributions**

Contribution ID: 20

Type: **not specified**

# Welcome

*Monday, 3 December 2018 09:00 (10 minutes)*

**Presenter:** OTWINOWSKI, Jacek Tomasz (Polish Academy of Sciences (PL))

Contribution ID: 21

Type: **not specified**

## Overview of machine learning techniques

*Monday, 3 December 2018 09:10 (30 minutes)*

**Presenter:** DEJA, Kamil Rafal (Warsaw University of Technology (PL))

Contribution ID: 22

Type: **not specified**

## **Application of online deep learning techniques to pulsed-signal data**

*Monday, 3 December 2018 09:40 (30 minutes)*

**Presenter:** BOWER, Craig (University of Derby)

Contribution ID: 23

Type: **not specified**

## CMS

*Monday, 3 December 2018 10:30 (45 minutes)*

**Presenter:** STANKEVICIUS, Mantas (Fermi National Accelerator Lab. (US))

Contribution ID: 24

Type: **not specified**

## ATLAS

*Monday, 3 December 2018 11:15 (45 minutes)*

**Presenters:** CATMORE, James (University of Oslo (NO)); ONYISI, Peter (University of Texas at Austin (US))

Contribution ID: 25

Type: **not specified**

## Online and offline QC in ALICE

*Monday, 3 December 2018 14:00 (30 minutes)*

**Presenter:** VON HALLER, Barthelemy (CERN)

Contribution ID: 26

Type: **not specified**

## Offline QC data sets for ML in ALICE

*Monday, 3 December 2018 14:30 (30 minutes)*

**Presenter:** WIECHULA, Jens (Johann-Wolfgang-Goethe Univ. (DE))



Contribution ID: 27

Type: **not specified**

## Overwatch/HLT online QC data sets in ALICE

*Monday, 3 December 2018 15:00 (30 minutes)*

**Presenter:** EHLERS, Raymond (Yale University (US))

Contribution ID: 28

Type: **not specified**

## **Pipeline offline QC analysis in ALICE**

**Presenter:** IVANOV, Marian (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))

Contribution ID: 29

Type: **not specified**

## Discussion

*Monday, 3 December 2018 15:30 (30 minutes)*

Contribution ID: 30

Type: **not specified**

## **Applying ML techniques to the TPC QC data / Comparing ML with analitical models**

*Tuesday, 4 December 2018 09:00 (1 hour)*

**Presenter:** IVANOV, Marian (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))

Contribution ID: 31

Type: **not specified**

## Classification of TPC Q

Contribution ID: 32

Type: **not specified**

## **Classification of TPC QC data with ML**

*Tuesday, 4 December 2018 10:00 (30 minutes)*

**Presenter:** DEJA, Kamil Rafal (Warsaw University of Technology (PL))

Contribution ID: 33

Type: **not specified**

## **PID in ALICE with ML: Data vs MC**

*Tuesday, 4 December 2018 10:50 (40 minutes)*

**Presenter:** GRACZYKOWSKI, Lukasz Kamil (Warsaw University of Technology (PL))

Contribution ID: 34

Type: **not specified**

## EMCAL QC and ML plans

*Tuesday, 4 December 2018 11:30 (20 minutes)*

**Presenter:** FASEL, Markus (Oak Ridge National Laboratory - (US))



Contribution ID: 35

Type: **not specified**

## Discussion

*Tuesday, 4 December 2018 11:50 (30 minutes)*

Contribution ID: 37

Type: **not specified**

## **ML framework and QC tools in ALICE**

*Tuesday, 4 December 2018 13:50 (35 minutes)*

**Presenters:** IVANOV, Marian (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE)); KROESEN, Martin (Ruprecht Karls Universität Heidelberg (DE))

Contribution ID: **38**

Type: **not specified**

## **ML framework for data analysis in ALICE**

*Tuesday, 4 December 2018 14:25 (35 minutes)*

**Presenter:** INNOCENTI, Gian Michele (CERN)

Contribution ID: 39

Type: **not specified**

## Discussion and Summary

*Tuesday, 4 December 2018 15:00 (1 hour)*

Contribution ID: 40

Type: **not specified**

## Discussion

*Monday, 3 December 2018 12:00 (30 minutes)*