

ACCLAIM Meeting 2021

Report of Contributions

Contribution ID: 1

Type: **not specified**

Angular and Energy conditioning for generative photon showers

Wednesday 15 December 2021 09:00 (20 minutes)

Presenter: MCKEOWN, Peter (FTX (FTX Fachgruppe SFT))

Session Classification: Day 2

Contribution ID: 2

Type: **not specified**

Generative methods for hadron showers

Wednesday 15 December 2021 09:30 (20 minutes)

Presenter: EREN, Engin (FLC (FTX Fachgruppe SFT))

Session Classification: Day 2

Contribution ID: 3

Type: **not specified**

Fast simulation of the CMS HGCal with Generative Models

Wednesday 15 December 2021 10:00 (20 minutes)

Presenter: SCHAM, Moritz (CMS (CMS Fachgruppe Searches))

Session Classification: Day 2

Contribution ID: 4

Type: **not specified**

Introduction and Welcome

Tuesday 14 December 2021 13:00 (5 minutes)

Presenter: GAEDE, Frank (FTX (FTX Fachgruppe SFT))

Session Classification: Day 1

Contribution ID: 5

Type: **not specified**

Forcing an AI to Create Labels for the Human Mind

Tuesday 14 December 2021 13:05 (25 minutes)

Presenter: HARTMANN, Gregor (HZB)

Session Classification: Day 1

Contribution ID: 6

Type: **not specified**

Development of ML Tools for BESSY II Operation

Tuesday 14 December 2021 13:35 (25 minutes)

Presenter: VERA RAMIREZ, Luis (Helmholtz-Zentrum Berlin)

Session Classification: Day 1

Contribution ID: 7

Type: **not specified**

Bayesian optimization of laser plasma accelerators

Tuesday 14 December 2021 14:05 (25 minutes)

Presenter: JALAS, Soeren (UNI/EXP (Uni Hamburg, Institut fur Experimentalphysik))

Session Classification: Day 1

Contribution ID: 8

Type: **not specified**

Accurate characterisation of high power laser beams for real time PIC simulations

Tuesday 14 December 2021 15:30 (20 minutes)

Presenter: HUANG, Xinhe (HIJ)

Session Classification: Day 1

Contribution ID: 9

Type: **not specified**

Machine learning feedback for laser plasma accelerators

Tuesday 14 December 2021 15:00 (20 minutes)

Presenter: SÄVERT, Alexander (GSI Helmholtz Institut Jena)

Session Classification: Day 1

Contribution ID: **10**

Type: **not specified**

Advanced understanding of Laser-plasma acceleration by Machine Learning

Tuesday 14 December 2021 16:00 (20 minutes)

Presenter: HOFFMANN, Nico (HZDR)

Session Classification: Day 1

Contribution ID: 11

Type: **not specified**

Surrogate Modeling of Ion Acceleration in the Near-Critical Density Regime with Invertible Neural Networks

Tuesday 14 December 2021 16:30 (20 minutes)

Presenter: MIETHLINGER, Thomas (Helmholtz-Zentrum Dresden-Rossendorf (HZDR); Computational Radiation Physics)

Session Classification: Day 1

Contribution ID: 12

Type: **not specified**

Report on GSI activities

Wednesday 15 December 2021 11:00 (10 minutes)

Presenter: OEFTIGER, Adrian (GSI)

Session Classification: Day 2

Contribution ID: 13

Type: **not specified**

ML for on-line beam parameter control in PETRA III - PETRA IV

Wednesday 15 December 2021 11:30 (20 minutes)

Presenter: VEGLIA , Bianca (DESY)

Session Classification: Day 2

Contribution ID: 14

Type: **not specified**

Overview on ML for user facilities

Wednesday 15 December 2021 11:55 (20 minutes)

Presenter: KAISER, Jan (DESY)

Session Classification: Day 2

Contribution ID: 15

Type: **not specified**

Machine Learning Activities for Particle Accelerators at KIT

Wednesday 15 December 2021 12:20 (5 minutes)

Presenter: SANTAMARIA, Andrea (KIT)

Session Classification: Day 2

Contribution ID: **16**

Type: **not specified**

Closeout

Wednesday 15 December 2021 12:55 (5 minutes)

Session Classification: Day 2

Contribution ID: 17

Type: **not specified**

Identification of Field Errors with Machine Learning Techniques

Wednesday 15 December 2021 11:10 (20 minutes)

Presenter: CALIARI, Conrad (GSI)

Session Classification: Day 2

Contribution ID: **18**

Type: **not specified**

Intelligent Beam diagnostics instrumentation at KIT

Wednesday 15 December 2021 12:30 (10 minutes)

Presenter: CASELLE, Michele (KIT)

Session Classification: Day 2

Contribution ID: **19**

Type: **not specified**

Machine Learning on Hardware for Accelerators

Wednesday 15 December 2021 12:45 (10 minutes)

Presenter: SCOMPARIN, Luca (KIT)

Session Classification: Day 2