

Session Program

19 February 2020

10th LHC students poster session
Detector operations, upgrades and R&D

CERN, 61/1-201 - Pas perdue - Not a meeting room -

Wednesday 19 February

17:10

Detector operations, upgrades and R&D

Session | **Location:** CERN, 61/1-201 - Pas perdue - Not a meeting room -

17:10-17:11 The FASER experiment

Speaker

Ondrej Theiner

17:11-17:12

Development of ADC for the ATLAS Liquid Argon Calorimeter Readout Electronics upgrade for the HL-LHC

Speaker

Devanshu Kiran Panchal

17:12-17:13

Status of the ATLAS LAr calorimeter Phase I upgrade installation and commissioning

Speaker

Sana Ketabchi

17:13-17:14

Laser Calibration system in ATLAS Tile Calorimeter

Speaker

Ammara Ahmad

17:14-17:15

The DCS Software for validation and integration of the ATLAS New Small Wheel detectors

Speaker

Polyneikis Tzanis

17:15-17:16

The Micromegas construction project for the ATLAS New Small Wheel

Speaker

Ioannis Michail Maniatis

17:16-17:17

Performance of LM1 Micromegas Detectors for the ATLAS NSW using cosmic muons

Speaker

Zhibo Wu

17:17-17:18

ATLAS ITk pixel sensor characterization

Speaker

Tobias Fitschen

17:18-17:19

Expected Performance of the ATLAS ITk

Speaker

Zachary Michael Schillaci

17:19-17:20

The Tile Rear Extension Module for the phase-I upgrade of the ATLAS L1Calo Trigger System**Speaker**

Tigran Mkrtchyan

17:20-17:21

Fast Deep Learning on FPGAs for the Phase-II L0 Muon Barrel Trigger of the ATLAS Experiment**Speaker**

Luigi Sabetta

17:21-17:22

The ATLAS Electron and Photon Trigger Performance in Run 2**Speaker**

Mr Debottam Bakshi Gupta

17:23-17:24

Upgrade of the Readout System in the ALICE TPC for Run 3**Speaker**

Lars Bratrud

17:24-17:25

Prospects with the upgrade of the ALICE Inner Tracking System in LS3**Speaker**

Dimitra Andreou

17:25-17:26

HV and LV monitoring system for CMS GE1/1 detectors in the cosmic stand and in CMS experiment**Speaker**

Simone Calzaferri

17:26-17:27

CMS GE1/1 super chambers validation, installation and commissioning**Speaker**

Giovanni Mocellin

17:27-17:28

Construction and certification of the CMS GE1/1 detectors for the upgrade of the CMS experiment**Speaker**

Luis Felipe Ramirez Garcia

17:28-17:29

Novel triple-GEM mechanical design for CMS-ME0 detector and preliminary performance**Speaker**

Davide Fiorina

17:29-17:30

Performance of the CMS L1 muon trigger in the overlap region for HL-LHC upgrade.**Speaker**

Carlos Francisco Erice Cid

17:30-17:31

Precision single hit resolution measurements for the CMS Inner Tracker Phase-2 upgrade**Speaker**

Irene Zoi

17:31-17:32

Radiation damage characterization of CMS phase I pixel modules**Speaker**

Grace Haza

17:32-17:33

Performance of CMS High Granularity Calorimeters in Beam Test Experiments**Speaker**

Shubham Pandey

17:33-17:34

CMS HGCal: Evaluation of the impact of different partial silicon wafer geometries in the response to electromagnetic showers**Speaker**

Bruno Alves

17:34-17:35

Electromagnetic performance analyses of CMS HGCal prototypes**Speaker**

Matteo Bonanomi

17:35-17:36

HGCal - High Granularity Calorimeter for CMS, Detector Overview**Speaker**

Karol Rapacz

17:36-17:37

Scintillator studies for the new TOTEM T2 telescope**Speaker**

Berkan Kaynak

17:37-17:38

Construction of the Upstream Tracker for the LHCb Upgrade**Speakers**

Scott Edward Ely, Scott Ely

17:38-17:39

Prospects for using sub-nanosecond time information to improve the LHCb RICH performance**Speaker**

Floris Keizer

17:39-17:40

LHCb VELO Upgrade Module Production**Speaker**

Peter Svihra

17:40-17:41

Readout system for the phase I of the LHCb VELO upgrade**Speaker**

Antonio Fernandez Prieto

17:41-17:42

Real-time computing solutions for LHCb based on FPGAs

Speakers

Federico Lazzari, Federico Lazzari

17:42-17:43

LHCb Velo upgrade software platform

Speaker

Maciej Witold Majewski

19:02