Session Program

10-17 Jul 2019



EPS-HEP2019

Detector R&D and Data Handling

Ghent

International Convention Center and Ghent University - Campus Ledeganck, Ghent, Belgium

Thursday 11 July

09:00-09:15	Precision Timing with the CMS MIP Timing Detector
Speaker	
Adolf Bornheim	
09:15-09:30	
A High-Gran	ularity Timing Detector for the Phase-II upgrade of the ATLAS
Calorimeter	system: detector concept, description and R&D and first beam tes
Spoakor	
Alexander Leop	old
	ColFin A laws Cointillation Films Tracker for LUCh
09:30-09:45	SciFi - A large Scintillating Fibre Tracker for LHCb
Speaker Mauricio Feo	
09:45-10:00	The new Inner Tracking System for the ALICE Upgrade
Speaker	les Merales
10:00-10:15	The Gigatracker of the NA62 experiment at CERN
Speaker	
Alina Kleimenov	/a
10:15-10:30	Commissioning of the Belle II Pixel Vertex Detector
Speakers	
Dr Hua Ye, PXD-	DEPFET Collaboration
10:30-10:45	Upgrade of the ALICE Time Projection Chamber for the LHC Run3
Speaker	
Adam Laszlo Ge	ra
10.45 11.00	Status of the TORCH time-of-flight detector
Speaker	Status of the Forter time-of-hight detector
Tom Hadavizade	eh
11:00-11:30	Coffee break
11.30-11.45	
First Experie	ences with the Novel Time of Propagation (TOP) Barrel PID Detecto
the Belle II	Experiment

Speaker

Andrea Ferrero

12:00-12:15

Frontend and backend electronics for the ATLAS New Small Wheel Upgrade

Speaker

Ann Miao Wang

12:15-12:30

The GEM (GE1/1) Phase II Upgrade for the CMS muon system: results from in-situ demonstrator, production detector qualification, and commissioning plans

Speaker Ilaria Vai

12:30-12:45 The CMS Tracker Upgrade for the High Luminosity LHC

Speaker

Simone Paoletti

12:45-13:00

The FAMU experiment at RIKEN RAL for a precise measure of the proton radius

Speakers

Maurizio Bonesini, Maurizio Bonesini, Maurizio Bonesini

13:00

14:30

Detector R&D and Data Handling

Session | Location: Ghent, Campus Ledeganck - Aud. 4 | Convener: Niko Neufeld

14:30-14:45 The PADME experiment

Speaker Dr Gabriele Chiodini

14:45-15:00 Detector Performances Studies at Muon Collider

Speakers

Donatella Lucchesi, Donatella Lucchesi

15:00-15:15

Commissioning of the Cylindrical Drift Chamber for the COMET experiment

Speaker

Manabu Moritsu

15:15-15:30

Performances of multi-PMT photodetector for the Hyper-Kamiokande experiment

Speaker

Benjamin Quilain

15:30-15:45 Performance of the SoLid reactor neutrino detector

Speaker

Luis Manzanillas

15:45-16:00 THE ELECTRONICS READOUT SYSTEM OF THE JUNO EXPERIMENT

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Speaker Barbara Clerbaux 16:00-16:30 Coffee break

16:30-16:45

Characterisation of planar and 3D Silicon pixel sensors for the high luminosity phase of the CMS experiment at LHC

Speaker

Davide Zuolo

16:45-17:00 4D particle tracking with Resistive AC-Coupled Silicon Detectors

Speaker

Marco Mandurrino

17:00-17:15

High time resolution, two-dimensional position sensitive MSMGRPC for high energy physics experiments

Speaker

Dr Mariana Petris

17:15-17:30

Fluoride production in CMS Resistive Plate Chambers (RPC) and long-term aging studies

Speaker

Andrea Gelmi

17:30-17:45

Single Event Upsets in the ATLAS IBL Frontend ASICs at the Large Hadron Collider at CERN

Speaker

Peilian Liu

17:45-18:00 Modeling Radiation Damage to Pixel Sensors in the ATLAS Detector

Speaker

Lorenzo Rossini

18:00-18:15 Reconstruction in an imaging calorimeter for HL-LHC

Speaker

Arabella Martelli

18:15-18:30

Exploring the structure of hadronic showers and hadronic energy reconstruction with highly granular calorimeters

Speaker

Imad Laktineh

18:30

Friday 12 July

A comprehe	nsive real-time analysis model in Run 2 at the LHCb experiment
Speaker Biljana Mitreska	
09:15-09:30 A Novel App Experiment Speaker	roach to Calorimeter-based Particle Identification at the Belle II using Scintillator Pulse Shape Discrimination
Savino Longo	
09:30-09:45 Application using IBM Q Speaker Chen Zhou	of Quantum Machine Learning to High Energy Physics Analysis at Ll uantum Computer Simulators and IBM Quantum Computer Hardwar
09:45-10:00 Speaker Cecile Sarah Ca	Overview of the HL-LHC Upgrade for the CMS Level-1 Trigger
10:00-10:15 Speaker Francesca Pasto	The ATLAS Hardware Track Trigger design towards first prototypes
10:15-10:30 Speaker Santiago Folgue	Level 1 Muon Triggers for the CMS Experiment at the HL-LHC
10:30-10:45 Speaker Tomoe Kishimot	ATLAS Level-1 Endcap Muon Trigger for Run 3
10:45-11:00 Speaker Haruka Asada	ATLAS Level-0 Endcap Muon Trigger for HL-LHC
11:00-11:30	Coffee break
	Data Scouting and Data Darking with the CMS High lovel Trigger

11:45-12:00

Fast Online Trigger using FPGA-based Event Classification for the COMET Phase-I

Speaker

Mr Yu Nakazawa

12:00-12:15

Implementation of the ATLAS trigger within the multi-threaded AthenaMT framework

Speaker

Cenk Yildiz

12:15-12:30

Design and performance of the LHCb trigger and full real-time reconstruction in Run 2 of the LHC

Speaker

Michel De Cian

12:30-12:45 ATLAS LAr Calorimeter Performance in LHC Run-2

Speaker

Adriana Milic

12:45-13:00

Conclusions from TrackML the HEP Tracking Machine Learning challenge

Speaker

Laurent Roger Igor Basara

13:00