Session Program

20–24 Sept 2021

TWEPP 2021 Topical Workshop on Electronics for Particle Physics

Systems, Planning, Installation, Commissioning and Running Experience

Monday 20 September

11:40

Systems, Planning, Installation, Commissioning and Running Experience

Session | **Location:** | **Convener:** Jean-Pierre Cachemiche

11:40–11:56 The CMS Inner Tracker electronics system development and tests

Speaker
Stella Orfanelli

12:00–12:16
Development of the ATLAS Liquid Argon Calorimeter Readout Electronics for the HL-LHC

Speaker
Fabrice Gensolen

12:20–12:36 The Mu3e Detector

Speaker
Luigi Vigani

12:40–12:56
The Apollo ATCA design for CMS Track Finder and Pixel Readout at the HL-LHC

Speaker
Dr Rui Zou

12:56

14:00

Systems, Planning, Installation, Commissioning and Running Experience

Session | **Location:** | **Convener:** Ken Wyllie

14:00–14:16
Recent results from the first lpGBT-based prototype of the End-of-Substructure card for the ATLAS Strip Tracker Upgrade

Speaker
Lars Rickard Strom

14:20–14:36
Readout electronics for the CMS Phase II Endcap Calorimeter: system overview and prototyping experience

Speaker
Nadja Strobbe

14:40–14:56
Upgrade of the RPC detectors' data collection and transmission electronics for the ATLAS experiment at High Luminosity LHC

Speaker
Ioannis Mesolongitis

15:00–15:16
The CMS HGCAL Silicon Region Architecture Specification and Optimisation

Speaker
Matthew Noy

15:16

15:40

Systems, Planning, Installation, Commissioning and Running Experience
Session | **Location:** | **Convener:** Hucheng Chen

15:40–15:56 **The JUNO experiment and its readout electronics system**

Speakers
Pierre-Alexandre Petitjean, Pierre-Alexandre Petitjean

16:00–16:16

The CMS Barrel Calorimeter Processor demonstrator (BCPv1) board evaluation

Speaker
Nikitas Loukas

16:20–16:36

High-accuracy 4D particle trackers with Resistive Silicon Detectors (AC-LGADs)

Speaker
Roberta Arcidiacono

16:40–16:56

Front-end hybrid designs for the CMS Phase-2 Upgrade towards the production phase

Speaker
Mark Istvan Kovacs

17:00–17:16 **Power, Readout and Service Hybrids for the CMS Phase-2 Upgrade**

Speaker
Angelos Zografos

17:20

Tuesday 21 September

11:40

Systems, Planning, Installation, Commissioning and Running Experience
Session | **Location:** | **Convener:** Christine Guo Hu

11:40–11:56 **Prototype Design of Timing and Fast Control in the CBM experiment**

Speaker

Vladimir Sidorenko

12:00–12:16

CMS Phase-2 data acquisition, clock distribution, and timing: prototyping result and perspectives

Speaker

Jeroen Hegeman

12:20–12:36

The Scalable Readout System as a common initiative - a personal review

Speaker

Michael Lupberger

12:40–12:56

FELIX: the new ATLAS readout system from Run 3 to High Luminosity LHC

Speakers

Frans Schreuder, Frans Schreuder

13:00

14:00

Systems, Planning, Installation, Commissioning and Running Experience
Session | **Location:** | **Convener:** Christine Guo Hu

14:00–14:16

Installation, integration and first operating experiences of the ALICE ITS Upgraded Readout System

Speaker

Ola Slettevoll Groettvik

14:20