

CPAD Instrumentation Frontier Workshop 2021

Thursday, 18 March 2021

Calorimetry: Calorimetry - 1 (12:00 - 13:40)

-Conveners: Eno Sarah

time	[id] title	presenter
12:00	[64] Digital Hadron Calorimetry	Prof. ONEL, yasar
12:20	[43] Dose rate effects in radiation damage of plastic scintillator	PAPAGEORGAKIS, Christos
12:40	[76] Development of Highly Granular Scintillator Strip Electromagnetic Calorimeter	TSUJI, Naoki
13:00	[169] Experience in design and prototyping of CMS HGCAL	KOLBERG, Ted
13:20	[81] SiPM-on-Tile Calorimetry for future Higgs factories and beyond	KRUEGER, Katja

Calorimetry: Calorimetry - 2 (14:00 - 16:00)

-Conveners: Ren-yuan Zhu

time	[id] title	presenter
14:00	[136] Status of hadronic calorimetry in GEANT4	WENZEL, Hans-Joachim
14:20	[51] Development of Novel Inorganic Scintillators for Future High Energy Physics Experiments	HU, Chen
14:40	[49] A Dual-Readout Calorimeter with a Crystal ECAL for Future e+e- Higgs Factories	QIAN, Jianming
15:00	[56] Advanced Optical Instrumentation for Ultra-compact, Radiation Hard, Fast-timing EM Calorimetry	Prof. RUCHTI, Randy
15:20	[118] Homogeneous Hadron Calorimetry for a Future Higgs Factory	DEMARTEAU, Marcel

Friday, 19 March 2021

Calorimetry: Calorimetry 3 (12:00 - 13:40)

-Conveners: Roger Rusack

time	[id] title	presenter
12:00	[57] Advanced R&D of the dual-readout calorimeter for future collider projects	YOO, Hwidong
12:20	[127] Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV	BHOWMIK, Debabrata
12:40	[61] Scintillator Developments at Fermilab for New Generation Experiments	FREEMAN, James
13:00	[159] Radiation Hard Zero Degree Calorimeters for ATLAS and CMS in the HL-LHC era	Dr WANG, Quan
13:20	[35] Picosecond Timing Layers for Future Calorimeters: Updates from the Askaryan Calorimeter Experiment (ACE)	PRECHELT, Remy

Calorimetry: Calorimetry - 4 (14:00 - 15:10)

-Conveners: Roger Rusack

time	[id] title	presenter
14:00	[52] Calorimetry for the Electron Ion Collider	WOODY, Craig
14:25	[100] Longitudinal Segmentation of Multi-readout Fiber Calorimeters by Timing	KUNORI, Shuichi
14:50	[45] Calorimeter performance studies using Monte Carlo simulations for future collider detectors	CHEKANOV, Sergei

Calorimetry: Calorimetry - 5 (14:00 - 15:10)

-Conveners: Ren-yuan Zhu

time	[id] title	presenter
14:00	[67] Towards ultra-high granularity calorimetry	PEITZMANN, Thomas
14:20	[12] Development of the Mu2e electromagnetic calorimeter mechanical structures	Dr PASCIUTO, Daniele DONATI, Simone
14:40	[90] Dual-Readout Compensated Calorimetry with Tile Sensors	WINN, David ONEL, Yasar BILKI, Burak WETZEL, James