



# 2017 Meeting of the APS Division of Particles and Fields (DPF 2017)

## Monday, July 31, 2017

### Particle Detectors: Monday morning - IARC Building (10:45 AM - 12:15 PM)

-Conveners: Diego Tonelli

time	[id] title	presenter
10:45 AM	[M7] Microhexcavity Plasma Panel Detectors	MULSKI, Alexis
11:03 AM	[M1] Ultra long-lived particles searches with MATHUSLA	Prof. WATTS, Gordon
11:21 AM	[M5] Overview of the CEPC Vertex Detector	Dr ZHU, Hongbo
11:39 AM	[M4] Optical Ring Resonators for HEP and Cosmology Applications	KUHLMANN, Stephen
11:57 AM	[M8] The Construction and Commissioning of the Belle II iTOP Counter	Dr WANG, Boqun

### Particle Detectors: Monday afternoon - IARC Building (1:30 PM - 3:15 PM)

-Conveners: Angela Fava

time	[id] title	presenter
1:30 PM	[M9] Upgrade of the ATLAS Monitored Drift Tube Electronics for the HL-LHC	Mr LIANG, yu
1:45 PM	[M79] Near-Infrared Scintillation of Liquid Argon	ESCOBAR, Carlos
2:00 PM	[M17] Studies with the LArIAT Light Collection System	Ms NUNES, Monica
2:15 PM	[M47] Characterizing LArTPC detector performance with MicroBooNE	Dr JOSHI, JYOTI
2:30 PM	[M79] Detector performance and cosmic-ray reconstruction efficiency in MicroBooNE	Mr SOLETI, Stefano Roberto
2:45 PM	[M16] protoDUNE-SP Cold Electronics Quality Control	KIRBY, Brian
3:00 PM	[M37] Development of fast timing detectors at Fermilab	Dr RONZHIN, Anatoly

# Tuesday, August 1, 2017

## Particle Detectors: Tuesday morning - IARC Building (10:45 AM - 12:15 PM)

-Conveners: corrinne mills

time	[id] title	presenter
10:45	<del>A10</del> The LUCID-2 detector	Prof. JAMES, Pinfeld
11:03	<del>A12</del> Performance of the ATLAS Tile Calorimeter in Run 2 and Electronics Upgrade for High Luminosity LHC	Mr OLSSON, Joakim
11:21	<del>A18</del> Commissioning and operation of the new CMS Phase 1 pixel detector	SI, Weinan
11:39	<del>A26</del> Construction of the Phase 1 upgrade of the CMS pixel detector	ALYARI, Maral
11:57	<del>A46</del> The LHCb Upgrades	RUDOLPH, Matthew

## Particle Detectors: Tuesday afternoon - IARC Building (1:30 PM - 3:15 PM)

-Conveners: Georgia Karagiorgi

time	[id] title	presenter
1:30	<del>F102</del> Studies of GaInP based Geiger-mode APD arrays	Prof. HIROSKY, Bob CUMMINGS, Grace
1:51	<del>F21</del> Detecting Axions with Superconducting Qubits	DIXIT, Akash
2:12	<del>F87</del> Gain stabilization of Silicon Photomultipliers and Afterpulsing	Prof. EIGEN, Gerald
2:33	<del>F50</del> Directional measurements of fast neutron backgrounds at SuperKEKB	HEDGES, Michael
2:54	<del>F49</del> Characterizing New Detectors for SuperCDMS SNOLAB	FRITTS, Matthew

## Wednesday, August 2, 2017

### Particle Detectors: Wednesday morning - IARC Building (10:45 AM - 12:15 PM)

-Conveners: Peter Onyisi

time	[id] title	presenter
10:45	<del>A02</del> Plans for the Upgrade of the CMS Barrel Electromagnetic Calorimeter	Prof. COX, Brad
11:03	<del>A03</del> ATLAS LAr Calorimeter Electronics Upgrade for the HL-LHC	Prof. ANDEEN, Tim
11:21	<del>A06</del> Study of neutron-induced background hits in the CMS endcap muon system, and implications for the HL-LHC	SCHNAIBLE, Christian
11:39	<del>A07</del> Upgrade of the ATLAS Muon Spectrometer for Phase II	SCHWARZ, Thomas
11:57	<del>A04</del> Design and status of the Mu2e crystal calorimeter	DONGHIA, Rafaella

### Particle Detectors: Wednesday afternoon - IARC Building (1:30 PM - 3:15 PM)

-Conveners: Brad Cox

time	[id] title	presenter
1:30	<del>F011</del> Normalizing to the Number of Stopped Muons in the Mu2e Experiment	Dr TRAN, Nam
1:48	<del>F012</del> Preliminary Results from the AICap Experiment	Mr QUIRK, John
2:06	<del>F013</del> Mu2e Solenoid Field Mapping System	Dr POLLACK, Brian
2:24	<del>F075</del> Quality Assurance on Un-Doped CsI Crystals for the Mu2e Experiment	ECHENARD, Bertrand
2:42	<del>F089</del> Performance of Scintillation Counters with Silicon Photomultiplier Readout	Dr EHRLICH, Ralf
3:00	<del>F086</del> A High Efficiency Cosmic Ray Veto Detector for the Mu2e Experiment at Fermilab	Prof. DUKES, E. Craig

# Thursday, August 3, 2017

## Particle Detectors: Thursday morning - IARC Building (10:45 AM - 12:15 PM)

-Conveners: Zoltan Gecse

time	[id] title	presenter
10:45 AM	[M13] Front End Digitization of tRPCs in the ATLAS Muon Spectrometer Phase-1 Upgrade	MENG, Xiangting
11:03 AM	[M16] Development of Trigger and Readout Electronics for the ATLAS New Small Wheel Detector Upgrade	Mr GUAN, LIANG
11:21 AM	[M18] Front-End Electronics Scheme for the Mu2e Straw Tracker	KARGIANTOULAKIS, Manolis
11:39 AM	[M11] Overview of the Fourth Flight of the ANITA Experiment	LUDWIG, Andrew
11:57 AM	[M17] A Novel Readout System for a High Efficiency Cosmic Ray Veto for the Mu2e Experiment	R. KRESWELL, Neely

## Particle Detectors: Thursday afternoon - IARC Building (1:30 PM - 3:15 PM)

-Conveners: Marcel Demarteau

time	[id] title	presenter
1:30 PM	[M174] 3D Diamond Sensor Development	GUI, Bin
1:51 PM	[M122] Modeling Radiation Damage to Pixel Sensors in the ATLAS Detector	NACHMAN, Benjamin
2:12 PM	[M147] Track Reconstruction Efficiencies with the H35DEMO HV-CMOS Pixel Detector	Mr ZHANG, Matt
2:33 PM	[M123] Design layout and expected performance of Inner Tracker for ATLAS Phase 2 Upgrade	Prof. BANERJEE, Swagato
2:55 PM	[M114] Enhancing the muon physics program of the CMS experiment during the high luminosity LHC with triple-foil GEM detectors in the forward region	Dr STURDY, Jared