New Technologies for Discovery IV: The 2018 CPAD Instrumentation Frontier Workshop

Sunday, 9 December 2018

Parallel Session: Photodetectors - 553A (13:30 - 15:30)

time	[id] title	presenter
13:30	[82] Scaled Superconducting Nanowire Detectors in Photonic Circuits	Prof. TANG, Hong
14:00	[109] CMOS single photon detector	STARKEY, Dakota FOSSUM, Eric
14:30	[55] Novel quantum and bio-inspired designs for photodetection	Dr LEONARD, Francois
	[141] Developing Charged Particle Time-of-Flight at the Fermilab Test Beam Facility Using Commercially Produced LAPPD modules	Prof. FRISCH, Henry

Parallel Session: Photodetectors (16:00 - 18:00)

-Conveners: Zongfu Yu; Lindley Winslow; Lindley Winslow; Adam Para

time	[id] title	presenter
16:00	[76] The Snowball Chamber: Neutron-Induced Nucleation in Supercooled Water	Dr SZYDAGI, Matthew
16:30	[70] Ultra-Fast Hadronic Calorimetry	DENISOV, Dmitri
17:00	[52] Ultrafast Radiation Hard Inorganic Scintillators for Future HEP Experiments	Dr ZHU, Ren-yuan
17:30	[5] Wavelength Shifting Liquid-Filled Capillaries for Optical Electromagnetic Calorimetry Applications	Prof. RUCHTI, Randy

Monday, 10 December 2018

Parallel Session: Photodetectors (10:30 - 12:30)

time	[id] title	presenter
10:30	[116] Superconducting single photon detection	BERGREN, Karl
	[81] Capacitively Coupled Single Photon Detectors: From Classical to Quantum Mechanical Devices	Prof. LIU, Jifeng
11:30	[59] Status update on Large Area Picosecond Photo-Detectors – LAPPD	Dr LYASHENKO, Alexey
12:00	[65] Development of fast-timing MCP-PMT/LAPPD for particle identification	Dr XIE, Junqi

Tuesday, 11 December 2018

Parallel Session: Photodetectors - 553B (10:30 - 12:30)

-Conveners: Zongfu You; Lindley Winslow; Lindley Winslow; Adam Para

time	[id] title	presenter
10:30	[79] Nanocomposite Materials for Microchannel Plate Detectors	Dr MANE, Anil
11:00	[73] Development of the Air-Transfer Process for the `Gen-II' LAPPD	ELAGIN, Andrey
11:30	[53] 3D digital SiPM development for large area photodetectors	Prof. CHARLEBOIS, Serge A.
	[85] On the Development of High Efficiency Si-Based Single VUV Photon Detector	Dr GIAMPA, Pietro