ICHEP 2020

Tuesday 28 July 2020

Detectors for Future Facilities (incl. HL-LHC), R&D, Novel Techniques: Session I - Premiere (15:30-20:35)

-Conveners: Petra Merkel

time	[id] title	presenter
15:30	[219] The CMS Tracker Upgrade for the High Luminosity LHC	KLEIN, Katja
15:45	[655] ATLAS ITk Pixel Detector Overview	TERZO, Stefano
16:00	[656] The ATLAS ITk Strip Detector System for the Phase-II LHC Upgrade	SPERLICH, Dennis
16:15	[527] The LHCb VELO Upgrade Programme for High Luminosity running at the LHC and HL-LHC	EVANS, Timothy David
16:30	[375] ALICE upgrades for LHC Run 4 and beyond	ROSSI, Andrea
16:45	[230] Level-1 Track Finding at CMS for the HL-LHC	HART, Andrew Evan
17:00	[232] The CMS Trigger system for the HL-LHC	ZABI, Alexandre
17:15	[247] Precision Luminosity Measurement with the CMS detector for HL-LHC	PASZTOR, Gabriella
17:30	[416] Development of a System for Abort and Luminosity of the ATLAS Experiment at the HL-LHC based on polycrystalline CVD diamond	Prof. MIKUZ, Marko
17:45	[499] Upgrade of the ATLAS Muon Trigger for the HL-LHC	Dr CIERI, Davide
18:00	Coffee break	
18:15	[437] Test-beam performance of a TORCH prototype module	KREPS, Michal
18:30	[446] A High-Granularity Timing Detector for the Phase-II upgrade of the ATLAS Calorimeter system: detector concept, description and R&D and beam test results	RIZZI, Chiara
18:45	[224] Development of the CMS MTD Endcap Timing Layer for HL-LHC	DI PETRILLO, Karri Folan
19:00	[225] Precision Timing with the CMS MTD Barrel Timing Layer for HL-LHC	LU, Nan
19:15	[228] The CMS Phase-2 high-granularity 5D calorimeter	MANS, Jeremy
19:30	[229] Paving the way to reconstruct the 5D information of the CMS HGCAL detector at the HL-LHC	ZHANG, Jingyu
19:45	[372] The CMS Muon Spectrometer Upgrade	FASANELLA, Daniele
20:00	[222] Upgrade of the CMS Cathode Strip Chambers for the HL-LHC	DILDICK, Sven
20:15	[459] Upgrade of the ATLAS Muon Drift Tube (MDT) electronics for HL-LHC runs	HU, Xueye

Wednesday 29 July 2020

Detectors for Future Facilities (incl. HL-LHC), R&D, Novel Techniques: Session I - Replay (08:00-13:00)

Detectors for Future Facilities (incl. HL-LHC), R&D, Novel Techniques: Session II - Premiere (15:30-20:30)

-Conveners: Ettore Segreto

time	[id] title	presenter
15:30	[111] New beam test results of 3D pixel detectors constructed with poly-crystalline CVD diamond	KAGAN, Harris
15:45	[415] Latest Results on the Radiation Tolerance of Diamond Pixel and Pad Detectors	TRISCHUK, William
16:00	[802] Development and Test of a Micro-Pattern Resistive Plate Detector.	IENGO, Paolo
16:15	[349] Small-Pad Resistive Micromegas – Rate capability for different spark protection resistive schemes	CAMERLINGO, Maria Teresa
16:30	[1031] Electrical Discharge Mitigation Strategies for Future CMS GEM Systems GE2/1 and ME0	STARLING, Elizabeth Rose
16:45	[613] Quantum Sensors of the Dark Universe: Exploiting Quantum Entanglement in the Laboratory for Detection of Exotic Particles and Fields	Prof. CHATTOPADHYAY, Swapan
17:00	[872] WADAPT: Wireless Allowing Data and Power Transfer	DEHOS, cedric
17:15	Coffee break	
17:30	[267] ProtoDUNE Dual Phase: Design, Construction and First Results	EURIN, Guillaume
17:45	[280] Calibrating the DUNE LArTPC Detectors for Precision Physics	PEC, Viktor
18:00	[330] Photon detection system of the single phase DUNE far detector	MU, Wei
18:15	[250] Strategic R&D Programme on Technologies for Future Experiments	CURRAS RIVERA, Esteban
18:30	[568] Detector Performance Study at Muon Collider	CASARSA, Massimo
18:45	[646] Preliminary design of the Interaction Region (IR) of the future Electron-Ion Collider (EIC) at BNL	ADAM, Jaroslav
19:00	[709] The SiD Detector for the International Linear Collider	WHITE, Andrew
19:15	[422] RAADsat: a cubesat mission for the detection of Terrestrial Gamma-ray Flashes	DI GIOVANNI, Adriano

Thursday 30 July 2020

Detectors for Future Facilities (incl. HL-LHC), R&D, Novel Techniques: Session II - Replay (01:00-06:00)

Detectors for Future Facilities (incl. HL-LHC), R&D, Novel Techniques: Session III - Premiere (08:00-13:00)

-Conveners: Susanne Kuehn

time	[id] title	presenter
08:00	[450] Development of the ATLAS Liquid Argon Calorimeter Readout Electronics for the HL-LHC	MARTINEZ, Narei Lorenzo
08:15	[507] Upgrade of ATLAS Hadronic Tile Calorimeter for the High Luminosity LHC	MOAYEDI, Seyedali
08:30	[525] Flavour Physics at the High Luminosity LHC: LHCb Upgrade II	EGEDE, Ulrik
08:45	[659] Tracking performance with the HL-LHC ATLAS detector	SCHILLACI, Zachary Michael
09:00	[380] Development of a Penetrating particle ANalyzer for high-energy radiation measurements in space	BERGMANN, Benedikt
09:15	[394] Development of high resolution low power silicon pixel sensors for the CEPC vertex detector	Prof. OUYANG, Qun
09:30	[917] ARCADIA: innovative low-power, large area MAPS for HEP and applied science	Prof. GIUBILATO, Piero
09:45	[708] Radiation hard monolithic CMOS sensors with small electrodes for the HL-LHC and beyond	SOLANS SANCHEZ, Carlos
10:00	Coffee break	
10:15	[44] Pileup and Underlying Event Mitigation with Iterative Constituent Subtraction	BERTA, Peter
10:30	[66] The R&D of the Ultra Fast 8X8 Readout MCP-PMTs	QIAN, Sen
10:45	[785] A Novel Two-Dimensional Readout Design for Floating Strip Micromegas Detectors	KLITZNER, Felix Fidelio
11:00	[410] Production of Large Area Picosecond Photo-Detectors – LAPPDTM: Status Update	Mr FOLEY, Michael
11:15	[1006] A proposal of a drift chamber for the IDEA experiment for a future e+e- collider	TASSIELLI, Giovanni F.
11:30	[622] Performance studies of RPC detectors operated with new environmentally friendly gas mixtures in presence of LHC-like radiation background	MANDELLI, Beatrice
11:45	[334] Next-generation ultra-compact calorimeters based on oriented crystals	SOLDANI, Mattia
12:00	[968] Development of structural self-vetoing scintillators for low background experiments	Mrs HACKETT, Brennan
12:15	[1013] Low Radioactivity Argon for Dark Matter and Rare Event Searches	HACKETT, Brianne

Detectors for Future Facilities (incl. HL-LHC), R&D, Novel Techniques: Session III - Replay (15:30-20:30)

Friday 31 July 2020

Detectors for Future Facilities (incl. HL-LHC), R&D, Novel Techniques: Session IV - Premiere (08:00-13:00)

-Conveners: Mitesh Patel; Michal Marcisovsky

time	[id] title	presenter
08:00	[766] ILD, a Detector for the International Linear Collider	TANABE, Tomohiko
08:15	[737] The Updated LHeC Detector	YAMAZAKI, Yuji
08:30	[867] A detector concept proposal for a circular e+e- collider	BEDESCHI, Franco
08:45	[445] Silicon Vertex and Tracking Detector R&D for CLIC	DORT, Katharina
09:00	[873] Development and performance of compact LumiCal prototype calorimeter for future linear collider experiments	BORYSOVA, Maryna
09:15	[166] Design and performance studies of the calorimeter system for an FCC-hh experiment	FALTOVA, Jana
09:30	[625] Implementation of large imaging calorimeters	BOUDRY, Vincent
09:45	[626] Exploring the structure of hadronic showers and the hadronic energy reconstruction with highly granular calorimeters	OOTANI, Wataru
10:00	[866] Physics opportunities and detector challenges for a Tera-Z factory	PEREZ, Emmanuel Francois
10:15	[882] Development of Scintillating Fiber Detectors for Precise Time and Position Measurements Read Out with Si-PMs	BRAVAR, Alessandro
10:30	Coffee break	
10:45	[716] Preparation of large aperture Photo-Detectors for the Hyper-Kamiokande	TASHIRO, Takuya
11:00	[784] A multi-PMT photodetector system for the Hyper-Kamiokande experiment	DE ROSA, Gianfranca
11:15	[825] Status and progress of the JUNO detector	XU, Jilei
11:30	[271] Status of the DUNE near detector	DUNNE, Patrick James
11:45	[907] The Outer Detector (OD) system for Hyper-Kamiokande experiment	ZSOLDOS, Stephane
12:00	[950] The Radio Detector upgrade of the Pierre Auger Observatory	DE JONG, Sijbrand
12:15	[951] A Giant Radio Array for Neutrino Detection (GRAND)	DE JONG, Sijbrand
12:30	[1035] The Southern Wide-field Gamma-ray Observatory (SWGO)	Dr VICHA, Jakub

Detectors for Future Facilities (incl. HL-LHC), R&D, Novel Techniques: Session IV - Replay (15:30-20:30)