



# ICHEP 2024

## Thursday 18 July 2024

### **Operation, Performance and Upgrade (incl. HL-LHC) of Present Detectors: Operation, Performance and Upgrade of Present Detectors - Terrace 2B (08:30 - 10:15)**

-Conveners: Marcela Mikestikova; André David

time	[id] title	presenter
08:30	[744] □ATLAS upgrades for High Luminosity LHC	PATER, Jo
08:48	[314] The Belle II Upgrade Program	NAKAMURA, Katsuro
09:06	[170] The LHCb Upgrade II	QUAGLIANI, Renato
09:24	[1354] Performance of the upgraded LHCb detector in Run-3	TUCI, Giulia
09:42	[830] The ITS3 detector and physics reach of the LS3 ALICE Upgrade	SCHLEPPER, Felix
09:57	[1432] How to upgrade a pixel detector: lessons from Phase-1 being applied to Phase-2 CMS Pixel Upgrade	BARTEK, Rachel

### **Operation, Performance and Upgrade (incl. HL-LHC) of Present Detectors: Operation, Performance and Upgrade of Present Detectors - Terrace 2B (10:45 - 12:30)**

-Conveners: André David; Marcela Mikestikova

time	[id] title	presenter
10:45	[835] Operation and performance of the upgraded ALICE Inner Tracking System	LIU, Jian
11:03	[295] Tracker alignment of the CMS detector with Run 3 data	PETERSEN, Henriette Aarup
11:18	[262] Operational Experience and Performance with the ATLAS Pixel detector at the Large Hadron Collider at CERN	TSUNO, Soshi
11:36	[404] The LHCb SciFi Tracker	DE FREITAS CARNEIRO DA GRACA, Ulisses
11:54	[266] ATLAS ITk Pixel Detector Overview	MUNOZ SANCHEZ, Francisca
12:12	[275] The ATLAS ITk Strip Detector System for the Phase-II LHC Upgrade	TAO, Zhengcheng

### **Operation, Performance and Upgrade (incl. HL-LHC) of Present Detectors: Operation, Performance and Upgrade of Present Detectors - Terrace 2B (14:30 - 16:15)**

-Conveners: Marcela Mikestikova; Silvia Franchino

time	[id] title	presenter
14:30	[534] Expected performance of the ATLAS ITk detector for HL-LHC	HAYWARD, Helen
14:48	[1021] The LHCb VELO detector: operation, performance and future upgrades	GALATI, Maria Domenica
15:06	[855] Commissioning of the Upstream Tracker for the LHCb upgrade	ARTUSO, Marina
15:21	[57] Re-installation and performance of the Belle II Silicon Vertex Detector	CORONA, Luigi
15:39	[832] The silicon tracking system of the future ALICE 3 experiment at the LHC	ALTSYBEEV, Igor
15:57	[550] Upgrade of the Belle II Vertex Detector with monolithic active pixel sensors	KUMAR, Ajit

**Operation, Performance and Upgrade (incl. HL-LHC) of Present Detectors: Operation, Performance and Upgrade of Present Detectors - Terrace 2B (16:45 - 18:30)**

-Conveners: Silvia Franchino; Marcela Mikestikova

time	[id] title	presenter
16:45	[403] Real-time alignment and calibration performance of LHCb with Run 3 data	Mr XU, Zehua
17:00	[490] The High-Granularity Timing Detector for ATLAS at HL-LHC	LEOPOLD, Alexander
17:18	[164] Precision Timing with the CMS MIP Timing Detector for High-Luminosity LHC	COSSUTTI, Fabio
17:36	[833] The ALICE 3 particle identification systems	GIOACHIN, Giulia
17:51	[915] The LHCb RICH Upgrade: operations and performance	CAVALLERO, Giovanni
18:06	[1283] TORCH: extending LHCb's particle ID capabilities in Upgrade II	KREPS, Michal

# Friday 19 July 2024

## Operation, Performance and Upgrade (incl. HL-LHC) of Present Detectors: Operation, Performance and Upgrade of Present Detectors - Terrace 2B (08:30 - 10:15)

-Conveners: Silvia Franchino; Ioana Maris

time	[id] title	presenter
08:30	[270] The ATLAS Trigger System	OLIVEIRA DAMAZIO, Denis
08:48	[836] ALICE Fast Interaction Trigger	MELIKYAN, Yury
09:06	[176] New CMS trigger strategies for the Run 3 of the LHC	LOELIGER, Andrew David
09:24	[402] Results and experiences with LHCb's 30MHz software trigger	CALEFICE, Lukas
09:39	[274] Phase-1 ATLAS Level-1 Trigger in Run-3	PENC, Ondrej
09:57	[353] Long-Lived Particle Triggering with the CMS Hadron Calorimeter	KOPP, Gillian Baron

## Operation, Performance and Upgrade (incl. HL-LHC) of Present Detectors: Operation, Performance and Upgrade of Present Detectors - Terrace 2B (10:45 - 12:30)

-Conveners: Ioana Maris; Silvia Franchino

time	[id] title	presenter
10:45	[177] The CMS Level-1 Trigger Data Scouting system for the HL-LHC upgrade	Dr MESCHI, Emilio
11:00	[271] ATLAS jet trigger system - overview and performance at the beginning of Run 3	THEINER, Ondrej
11:15	[273] L1Topo: The Level-1 Topological Processor for ATLAS Phase-I upgrade and its firmware evolution for use within the Phase-II Global Trigger	MEUSER, Emanuel
11:30	[72] The Faint Particle Trigger for the IceCube Neutrino Observatory	STUERWALD, Timo
11:45	[533] Track and vertex reconstruction performance of the ATLAS detector	GAYCKEN, Goetz
12:00	[139] CMS track reconstruction performance and tracking developments during Run 3	BRUSCHINI, Davide
12:15	[652] Reconstruction, performance and physics opportunities with long-lived particles with lifetime exceeding 100 ps at LHCb	SANDERSWOOD, Izaak

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-Conveners: André David; Katsuro Nakamura

time	[id] title	presenter
14:30	[333] Jet performance and pileup mitigation in Run3 in CMS	BENECKE, Anna
14:45	[567] New techniques for reconstructing and calibrating hadronic objects with ATLAS	MENKE, Sven
15:00	[236] Calibration and performance of the CMS Electromagnetic Calorimeter in LHC Run 3	KING, Jack
15:15	[235] The CMS ECAL upgrade for the High-Luminosity LHC	BASILE, Chiara
15:30	[145] Performance and developments of electrons and photons at CMS	SALVATICO, Riccardo

15:45	[1349] Investigating the proton structure with the FAMU experiment at RIKEN-RAL	ROSSINI, Riccardo
16:00	[56] Status of, and recent data results from, the LHC Run 3 milliQan detector	CARRIGAN, Michael William

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-Conveners: André David; Katsuro Nakamura

time	[id] title	presenter
16:45	[288] Luminosity determination in pp collisions at $\sqrt{s}=13.6$ TeV with the ATLAS detector	LUNDBERG, Olof
17:03	[311] Precision luminosity determination in CMS	MAJOR, Peter
17:21	[435] Luminosity determination at LHCb during Run 3	FRANZOSO, Edoardo
17:39	[458] Determination of luminosity and of the inelastic hadronic Pb-Pb cross section with ALICE at the LHC	Prof. CONTRERAS NUNO, Jesus Guillermo
17:57	[312] The Phase-2 CMS BRIL system for precision luminometry	MALLOWS, Sophie
18:12	[394] Towards an ATLAS luminosity measurement at HL-LHC	OHM, Christian

# Saturday 20 July 2024

## Operation, Performance and Upgrade (incl. HL-LHC) of Present Detectors: Operation, Performance and Upgrade of Present Detectors - Terrace 2B (08:30 - 10:15)

-Conveners: Danijela Bogavac; Ioana Maris

time	[id] title	presenter
08:30	[321] An overview of the CMS High Granularity Calorimeter and its current status	MANTILLA SUAREZ, Cristina Ana
08:45	[831] ALICE Forward Calorimeter upgrade (FoCal): Physics program and performance	INABA, Motoi
09:00	[350] The W-Si High Precision Preshower Detector of the FASER Experiment at the LHC	PIZARRO MEDINA, Andrea
09:18	[742] Technical challenges and performance of the new ATLAS LAr Calorimeter Trigger	BABAL, Dominik
09:33	[277] Upgrade of the ATLAS Tile Calorimeter for the High Luminosity LHC	DA SILVA GOMES, Agostinho
09:48	[276] Performance and calibration of the ATLAS Tile Calorimeter	LOU, Xuanhong

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-Conveners: Danijela Bogavac; Ioana Maris

time	[id] title	presenter
10:45	[257] Overview of ATLAS Forward Proton detectors: status, performance and new physics results	FIEDLER, Petr
11:03	[246] The CMS Precision Proton Spectrometer in Run 3: upgrade and performance	BELLORA, Andrea
11:21	[745] The TOTEM nT2 detector: architecture, operation and performance	BOSSINI, Edoardo
11:39	[261] ATLAS ZDC for Run3 and Run4	GUO, Yuhan
11:54	[106] SND@LHC and AdvSND: a roadmap for neutrino detection at LHC and HL-LHC	PAGGI, Giulia
12:12	[812] AugerPrime - Current status and physics prospects for the next decade of ultra-high-energy cosmic ray studies	SCHIMASSEK, Martin

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-Conveners: Katsuro Nakamura; Danijela Bogavac

time	[id] title	presenter
14:30	[407] LHCb Muon Detector	CONTU, Andrea
14:48	[251] ATLAS New Small Wheel Performance Studies with LHC Run3 data	SCHOLER, Patrick
15:06	[167] Operations and Performance Summary of CMS Muon System for LHC Run 3	PUGLIESE, Gabriella
15:24	[387] Operation of CMS GE1/1 GEM detectors in Run-3	CALZAFERRI, Simone

15:42	[244] Novel data analysis and detector monitoring tools for the CMS muon Drift Tubes	BATTILANA, Carlo
15:57	[227] Performance of CMS muon objects in Run3	PRIMAVERA, Federica

**Operation, Performance and Upgrade (incl. HL-LHC) of Present Detectors: Operation, Performance and Upgrade of Present Detectors - Terrace 2B (16:45 - 18:45)**

-Conveners: Katsuro Nakamura; Danijela Bogavac

time	[id] title	presenter
16:45	[847] Upgrades and Performances of ALICE on muon detection at forward rapidities for LHC Run 3	BATIGNE, Guillaume
17:00	[406] LHCb Muon Detector for the High Lumi at LHC	POLI LENER, Marco
17:15	[186] The CMS Muon System Upgrade for High Luminosity LHC	SHARMA, Archie
17:30	[389] The CMS Muon Endcap (ME0) GEM Detector	SHEOKAND, Tanvi
17:45	[296] Improved RPC (iRPC) detector for CMS data taking in HL-LHC	BUONTEMPO, Salvatore
18:00	[252] Performance of ATLAS RPC detectors and L1 Muon Barrel Trigger with a new CO2-based gas mixture	BALLABENE, Eric
18:15	[254] The ATLAS RPC Phase II upgrade for High Luminosity LHC era	BALLABENE, Eric
18:30	[255] Production and test of BI-RPC detectors for ATLAS Phase II upgrade	ROCCHI, Alessandro