



# ICHEP 2022

## Thursday, July 7, 2022

### Operation, Performance and Upgrade (Incl. HL-LHC) of Present Detectors - Room 6 (Bianca) (9:00 AM - 10:45 AM)

-Conveners: Felix Reidt; Petra Merkel; Carla Sbarra

time	[id] title	presenter
9:00 AM	[554] General overview of ATLAS Upgrades projects for HL-LHC	MILIC, Adriana
9:18 AM	[538] A High-Granularity Timing Detector for the ATLAS Phase-II upgrade	LIANG, Zhijun
9:35 AM	[999] Flavour Physics at the High Luminosity LHC: LHCb Upgrade II	WANG, Jianchun
9:53 AM	[283] The CMS MTD Endcap Timing Layer: Precision Timing with Low Gain Avalanche Detectors	TORNAGO, Marta
10:10 AM	[282] Precision Timing with the CMS MTD Barrel Timing Layer for HL-LHC	ADDESA, Francesca Maria
10:28 AM	[232] New opportunities for understanding high-density QCD matter with CMS PhaseII detector at the High Luminosity LHC era	ZHANG, Yousen

### Operation, Performance and Upgrade (Incl. HL-LHC) of Present Detectors - Room 6 (Bianca) (11:15 AM - 1:00 PM)

-Conveners: Felix Reidt; Petra Merkel; Carla Sbarra

time	[id] title	presenter
11:15 AM	[247] Performance of CMS High-Granularity Calorimeter for HL-LHC	DAVID, André
11:32 AM	[545] Development of the ATLAS Liquid Argon Calorimeter Readout Electronics for the HL-LHC	DEIANA, Allison
11:49 AM	[206] The CMS ECAL upgrade for precision timing measurements at the High-Luminosity LHC	ARGIRO', Stefano
12:06 PM	[553] Upgrade of the ATLAS Hadronic Tile Calorimeter for the High Luminosity LHC	FIORINI, Luca
12:23 PM	[1054] Physics opportunities with a MIP Timing Detector in CMS for HL-LHC	SOFFI, LIVIA
12:40 PM	[176] The new improved RPCs of CMS prevailing the challenges of High-Lumi LHC	ASILAR, Ece

### Operation, Performance and Upgrade (Incl. HL-LHC) of Present Detectors - Room 6 (Bianca) (5:00 PM - 7:00 PM)

-Conveners: Petra Merkel; Carla Sbarra; Felix Reidt

time	[id] title	presenter
5:00 PM	[187] The Phase 2 upgrade of the CMS Inner tracker	SANCHEZ CRUZ, Sergio
5:20 PM	[386] The Phase-2 upgrade of the CMS Outer Tracker	LI, Jack
5:40 PM	[556] ATLAS ITk Pixel Detector Overview	D'AURIA, Saverio
6:00 PM	[542] The ATLAS ITk Strip Detector System for the Phase-II LHC Upgrade	DIEZ CORNELL, Sergio
6:20 PM	[1208] Prototyping Serial Powering with RD53A and ITkPixV1	HINTERKEUSER, Florian
6:40 PM	[540] Expected tracking performance of the ATLAS Phase-II Inner Tracker Upgrade	STREBLER, Thomas

## Friday, July 8, 2022

### Operation, Performance and Upgrade (Incl. HL-LHC) of Present Detectors - Room 6 (Bianca) (9:00 AM - 10:45 AM)

-Conveners: Felix Reidt; Tiziano Camporesi; Petra Merkel

time	[id] title	presenter
9:00 AM	[115] Preparation of ALICE for Run 3	MÜNZER, Robert
9:18 AM	[268] Physics performance of the ALICE experiment in LHC Run 3	LANDOU, Aimeric
9:35 AM	[539] The operational experience, challenges and performance of the ATLAS Semiconductor Tracker during LHC Run-2 and SCT operation prospect for Run-3	SCHOPF, Elisabeth
9:53 AM	[534] Operational Experience and Performance with the ATLAS Pixel detector at the Large Hadron Collider at CERN	BINDI, Marcello
10:10 AM	[175] Measurement of the background in the Muon system of CMS during Run 2	MEI, Hualin
10:28 AM	[983] Upstream Tracker: the new silicon microstrip detector for the LHCb Upgrade	BRAUN, Svende

### Operation, Performance and Upgrade (Incl. HL-LHC) of Present Detectors - Room 6 (Bianca) (11:15 AM - 1:00 PM)

-Conveners: Tiziano Camporesi; Felix Reidt; Petra Merkel

time	[id] title	presenter
11:15 AM	[914] LHCb beam monitoring and safety systems	STEVENS, Holger
11:33 AM	[207] The ultimate CMS ECAL calibration and performance for the legacy reprocessing of LHC Run 2 data	TRAMONTANO, Raffaella
11:50 AM	[185] CMS electron and photon performance	KAPOOR, Anshul
12:07 PM	[819] Recent Developments in ATLAS Flavor Tagging: Algorithm and Calibration	CHISHOLM, Andrew
12:25 PM	[137] Commissioning Results of the CMS-HF Online Radiation Damage Monitoring System and Implications for Run III	GÜLMEZ, Erhan
12:43 PM	[552] Operation and Performance of the ATLAS Tile Calorimeter and its readiness for Run 3	PARRISH, Elliot

### Operation, Performance and Upgrade (Incl. HL-LHC) of Present Detectors - Room 6 (Bianca) (2:30 PM - 4:30 PM)

-Conveners: Tiziano Camporesi; Felix Reidt; Petra Merkel

time	[id] title	presenter
2:30 PM	[188] Precision luminosity measurement with proton-proton collisions at the CMS experiment in Run 2	GIRALDI, Angela
2:50 PM	[223] High-precision luminosity instrumentation for the CMS detector at the HL-LHC	BAKHSIANSOHI, Hamed
3:10 PM	[536] Luminosity determination in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	SBRIZZI, Antonio
3:30 PM	[547] LUCID-3: the upgrade of the ATLAS Luminosity detector for High Luminosity LHC	HEDBERG, Vincent
3:50 PM	[913] Luminosity at LHCb in Run 3	GRAVERINI, Elena

4:10 PM	[438] Luminosity determination in ALICE at the LHC	CORTESE, Pietro
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**Operation, Performance and Upgrade (Incl. HL-LHC) of Present Detectors - Room 6 (Bianca) (5:00 PM - 7:00 PM)**

**-Conveners: Tiziano Camporesi; Petra Merkel; Felix Reidt**

time	[id] title	presenter
5:00 PM	[1356] Reconstruction and physics opportunities of long-lived particles decaying downstream of the LHCb magnet	RUIZ VIDAL, Joan
5:20 PM	[397] Jet Energy Scale and Resolution measurements in CMS	AGARWA, Garvita
5:40 PM	[784] Hadronic Reconstruction with the ATLAS Detector at the LHC	DELSART, Pierre-Antoine
6:00 PM	[783] High Precision Electron and Muon Reconstruction Performance with ATLAS at LHC Run-2	HE, Fudong
6:20 PM	[544] ATLAS LAr Calorimeter Commissioning for LHC Run-3	CAI, Huacheng
6:40 PM	[174] CMS Tracker Alignment activities during LHC Long Shutdown 2	CONSUEGRA RODRIGUEZ, Sandra

# Saturday, July 9, 2022

## Operation, Performance and Upgrade (Incl. HL-LHC) of Present Detectors - Room 6 (Bianca) (9:00 AM - 10:45 AM)

-Conveners: Felix Reidt; Carla Sbarra; Tiziano Camporesi

time	[id] title	presenter
9:00 AM	[969] New trigger strategies for CMS during Run 3	FONTANESI, Elisa
9:18 AM	[496] ATLAS Trigger system for Run 3	THEMISTOKLEOUS, Neofytos
9:35 AM	[190] Overview of the HL-LHC Upgrade for the CMS Level-1 Trigger	RADBURN-SMITH, Benjamin
9:53 AM	[490] The Muon Trigger of the ATLAS experiment: performance and improvements for Run 3	VENTURA, Andrea
10:10 AM	[503] The performance of the ATLAS Inner Detector tracking trigger in high pileup collisions at 13 TeV at the Large Hadron Collider (Run-2) and plans for Run-3	SIMPSON, Harry
10:28 AM	[515] The global feature extractor: A new component of the Level-1 Calorimeter trigger Phase-I upgrade for the ATLAS experiment	TOSCIRI, Cecilia

## Operation, Performance and Upgrade (Incl. HL-LHC) of Present Detectors - Room 6 (Bianca) (11:15 AM - 1:00 PM)

-Conveners: Felix Reidt; Tiziano Camporesi; Carla Sbarra

time	[id] title	presenter
11:35 AM	[991] First performance of the real-time reconstruction at LHCb	CERVENKOV, Daniel
11:55 AM	[986] LHCb HLT1: Tracking and vertexing at 30MHz with GPUs	AGAPOPOULOU, Christina
12:15 PM	[988] LHCb HLT2: Real-time alignment, calibration, and software quality-assurance	SAUR, Miroslav
12:35 PM	[501] FELIX: the new ATLAS readout system from Run 3 to High Luminosity LHC	GOTTARDO, Carlo Alberto

## Operation, Performance and Upgrade (Incl. HL-LHC) of Present Detectors - Room 6 (Bianca) (2:30 PM - 4:30 PM)

-Conveners: Carla Sbarra; Tiziano Camporesi; Felix Reidt

time	[id] title	presenter
2:30 PM	[167] The GEM GE1/1 station of the CMS muon detector: status, commissioning and operation in magnetic field	MITTAL, Monika
2:50 PM	[336] Design optimization and initial performance of the GEM GE2/1 detector for the upgrade of the CMS endcap muon system	ABBOTT, Sam
3:10 PM	[198] Longevity studies for the CMS Muon System towards HL-LHC	PRIMAVERA, Federica
3:30 PM	[548] Performance of the ATLAS New Small Wheels in preparation for LHC Run-3 data taking	GUAN, Liang
3:50 PM	[984] The LHCb Muon Detector Upgrades	PAOLUCCI, Lorenzo

## Operation, Performance and Upgrade (Incl. HL-LHC) of Present Detectors - Room 6 (Bianca) (5:00 PM - 7:00 PM)

-Conveners: Felix Reidt; Carla Sbarra; Tiziano Camporesi

time	[id] title	presenter
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5:00 PM	[524] The MAPP (MoEDAL Apparatus for Penetrating Particles) Upgrade to the MoEDAL-LHC Experiment at Run-3	SOLUK, Richard
5:20 PM	[846] Performance and upgrade studies of the KAPAE detector for positronium physics	Dr PARK, Hyeoungwoo
5:40 PM	[537] Overview of ATLAS forward proton detectors for LHC Run 3 and plans for the HL-LHC	ERLAND, Paula
6:00 PM	[200] The CMS Precision Proton Spectrometer timing system: Run 2 performance and Run 3 upgrade status and perspective	BOSSINI, Edoardo
6:20 PM	[222] Proton reconstruction with the Precision Proton Spectrometer (PPS) in Run 2 and expectations from Run 3	OBERTINO, Maria Margherita