

**LHC students poster session**

**Report of Contributions**

Contribution ID: 0

Type: **not specified**

## **Neutral mesons production at midrapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ALICE experiment at the LHC**

**Presenter:** LEARDINI, Lucia (Ruprecht-Karls-Universitaet Heidelberg (DE))

Contribution ID: 1

Type: **not specified**

## **Beauty-decay electron production in Pb-Pb collisions at the LHC with ALICE**

**Presenter:** VOLKL, Martin Andreas (Ruprecht-Karls-Universitaet Heidelberg (DE))

Contribution ID: 2

Type: **not specified**

## **Production of strange hadrons in charged jets in p-Pb and Pb-Pb collisions measured with ALICE at the LHC**

**Presenter:** ZIMMERMANN, Alice (Ruprecht-Karls-Universitaet Heidelberg (DE))

Contribution ID: 3

Type: **not specified**

## **Measurement of Z0 boson production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ALICE at the LHC**

**Presenter:** TARHINI, Mohamad (Universite de Paris-Sud 11 (FR))

Contribution ID: 4

Type: **not specified**

## **Measurement of non-prompt J/psi in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ALICE at the LHC**

**Presenter:** TROMBETTA, Giuseppe (Universita e INFN, Bari (IT))

Contribution ID: 5

Type: **not specified**

## **Hadronic resonance production in pp, p-Pb and Pb-Pb collisions with ALICE**

**Presenter:** SONG, Jihye (Pusan National University (KR))

Contribution ID: 6

Type: **not specified**

## **Results on (anti-)(hyper-)nuclei production and searches for exotic bound states with ALICE at the LHC**

**Presenter:** TROGOLO, Stefano (Universita e INFN Torino (IT))



Contribution ID: 7

Type: **not specified**

## **W-boson production in p-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV with ALICE**

**Presenter:** SENOSI, Kgotlaesele (University of Cape Town (ZA))

Contribution ID: 8

Type: **not specified**

## **$\Lambda$ c studies in pp and p-Pb collisions with ALICE at the LHC**

**Presenter:** MENINNO, Elisa (Universita e INFN, Salerno (IT))

Contribution ID: 11

Type: **not specified**

## **Study of cosmic ray events with high muon multiplicity using the ALICE detector at the CERN Large Hadron Collider**

**Presenter:** SHTEJER DIAZ, Katherin (Center of Technological Applications & Nuclear Development (CU))

Contribution ID: 50

Type: **not specified**

## **Soft QCD and pA physics, with a focus on the ridge at LHCb**

**Presenter:** DREIMANIS, Karlis (University of Liverpool (GB))

Contribution ID: 63

Type: **not specified**

## **Event-by-Event Identified Particle Ratio Fluctuations in Pb-Pb Collisions with ALICE**

**Presenter:** ARSLANDOK, Mesut (Johann-Wolfgang-Goethe Univ. (DE))

Contribution ID: 67

Type: **not specified**

## **Study of Z boson production in pPb collisions with CMS**

**Presenter:** ZSIGMOND, Anna (Wigner RCP, Budapest (HU))

Contribution ID: **68**

Type: **not specified**

## **Fragmentation Functions of jets in pPb collisions in CMS**

**Presenter:** BATY, Austin Alan (Massachusetts Inst. of Technology (US))

Contribution ID: 69

Type: **not specified**

## **Angular distributions of the quenched energy flow from dijets with different radius parameters in CMS**

**Presenter:** MC GINN, Christopher (Massachusetts Inst. of Technology (US))



Contribution ID: **90**

Type: **not specified**

## **Heavy Flavor Meson Production in pp, pPb and PbPb collisions with the CMS detector**

**Presenters:** INNOCENTI, Gian Michele (Massachusetts Inst. of Technology (US)); WANG, Jing (Massachusetts Inst. of Technology (US)); WANG, Ta-Wei (Massachusetts Inst. of Technology (US))

Contribution ID: 92

Type: **not specified**

## **Particle yield modification in jet-like azimuthal di-hadron correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with ALICE**

**Presenter:** KIM, Minwoo (Yonsei University (KR))

Contribution ID: 96

Type: **not specified**

## **Performance of the Diamond Timing Detectors for the TOTEM Experiment**

*Wednesday 22 February 2017 17:08 (1 minute)*

**Presenter:** NAARANOJA, Tiina Sirea (Helsinki Institute of Physics (FI))

**Session Classification:** Detector upgrades and R&D

Contribution ID: 97

Type: **not specified**

## **Search For Extra Dimensions and Composite Higgs Bosons at the LHC via 4-photon couplings in CMS-TOTEM**

*Wednesday 22 February 2017 17:06 (1 minute)*

### **Summary**

**Presenter:** WILLIAMS, Justin Andrew (The University of Kansas (US))

**Session Classification:** BSM searches

Contribution ID: 98

Type: **not specified**

## **Measurement of the cross section of $t\bar{t}$ production in association with a W or Z boson at 13TeV with the CMS detector**

*Wednesday 22 February 2017 17:04 (20 minutes)*

**Presenter:** POYRAZ, Deniz (Ghent University (BE))

**Session Classification:** Top quark physics

Contribution ID: 99

Type: **not specified**

## **Measurement of the t-channel single-top quark production cross section at 13 TeV with the CMS detector**

*Wednesday 22 February 2017 17:24 (20 minutes)*

**Presenter:** FALTERMANN, Nils (KIT - Karlsruhe Institute of Technology (DE))

**Session Classification:** Top quark physics

Contribution ID: **100**

Type: **not specified**

## **Jet energy scale and resolution determination in CMS at 13TeV**

*Wednesday 22 February 2017 17:07 (20 minutes)*

**Presenter:** PREIATO, Federico (Universita e INFN, Roma I (IT))

**Session Classification:** Physics performance etc

Contribution ID: **101**

Type: **not specified**

## **Distinguishing quark and gluon jets at the CMS experiment**

*Wednesday 22 February 2017 17:27 (20 minutes)*

**Presenter:** RAUCO, Giorgia (Universitaet Zuerich (CH))

**Session Classification:** Physics performance etc



Contribution ID: **102**

Type: **not specified**

## **Performance of CMS muon reconstruction and identification in pp collisions at $\sqrt{s} = 13$ TeV**

*Wednesday 22 February 2017 17:47 (20 minutes)*

**Presenter:** PERRIN, Gael Ludovic (Eidgenoessische Technische Hochschule Zuerich (CH))

**Session Classification:** Physics performance etc

Contribution ID: 103

Type: **not specified**

## **Implementation of position and angle uncertainties in the muon reconstruction of the CMS experiment and impact on the performance in pp collisions at $\sqrt{s}$ = 13 TeV**

*Wednesday 22 February 2017 18:07 (20 minutes)*

**Presenter:** CRISTELLA, Leonardo (Università & INFN, Bari (IT))

**Session Classification:** Physics performance etc

Contribution ID: **104**

Type: **not specified**

## **CMS Luminosity Calibration for the pp Reference Run at 5.02 TeV**

*Wednesday 22 February 2017 18:27 (20 minutes)*

**Presenter:** KRINTIRAS, Georgios (Universite Catholique de Louvain (UCL) (BE))

**Session Classification:** Physics performance etc

Contribution ID: **105**

Type: **not specified**

## **ZZ production cross section at 13 TeV with the CMS detector**

*Wednesday 22 February 2017 17:00 (20 minutes)*

**Presenter:** WOODS, Nate (University of Wisconsin-Madison (US))

**Session Classification:** EW gauge bosons

Contribution ID: **106**

Type: **not specified**

## **Electroweak production of events with a Z boson and two jets with CMS**

*Wednesday 22 February 2017 17:20 (20 minutes)*

**Presenter:** CHERNYAVSKAYA, Nadezda (Eidgenoessische Tech. Hochschule Zuerich (CH))

**Session Classification:** EW gauge bosons

Contribution ID: **107**

Type: **not specified**

## **Drell-Yan differential cross section measurement at CMS**

*Wednesday 22 February 2017 17:40 (20 minutes)*

**Presenter:** LEE, Kyeongpil (Seoul National University (KR))

**Session Classification:** EW gauge bosons

Contribution ID: **108**

Type: **not specified**

## **Charged-particle nuclear modification factors in PbPb and pPb collisions at 5.02 TeV with CMS**

*Wednesday 22 February 2017 17:02 (1 minute)*

**Presenter:** BATY, Austin Alan (Massachusetts Inst. of Technology (US))

**Session Classification:** Heavy Ion Collisions

Contribution ID: **109**

Type: **not specified**

## **Current state of the R&D on Micropattern Gaseous Detectors for the CMS muon system upgrade**

*Wednesday 22 February 2017 17:09 (20 minutes)*

**Presenter:** RESSEGOTTI, Martina (Universita e INFN, Pavia (IT))

**Session Classification:** Detector upgrades and R&D



Contribution ID: **110**

Type: **not specified**

## **CMS Level-1 pixel track trigger for HL-LHC**

*Wednesday 22 February 2017 17:29 (20 minutes)*

**Presenter:** KIM, Junho (Seoul National University (KR))

**Session Classification:** Detector upgrades and R&D

Contribution ID: 111

Type: **not specified**

## **Search for Dark Matter using Mono-Higgs production with the CMS detector**

*Wednesday 22 February 2017 17:07 (20 minutes)*

**Presenter:** DODD, Laura Margaret (University of Wisconsin-Madison (US))

**Session Classification:** BSM searches

Contribution ID: 112

Type: **not specified**

## **Search for high-mass resonances in $Z(\ell)\gamma$ final state at CMS**

*Wednesday 22 February 2017 17:27 (20 minutes)*

**Presenter:** NAM, Kyungwook (Seoul National University (KR))

**Session Classification:** BSM searches

Contribution ID: 113

Type: **not specified**

## **Search for low-mass pair-produced dijet resonances using jet substructure techniques in proton-proton collisions at 13 TeV with the CMS detector**

*Wednesday 22 February 2017 17:47 (20 minutes)*

**Presenter:** GOMEZ ESPINOSA, Alejandro (Rutgers, State Univ. of New Jersey (US))

**Session Classification:** BSM searches

Contribution ID: 114

Type: **not specified**

## **Search for narrow resonances in dilepton mass spectra in pp collisions at 13 TeV and combination with 8 TeV data in the CMS experiment**

*Wednesday 22 February 2017 18:07 (20 minutes)*

**Presenter:** ERRICO, Filippo (Universita e INFN, Bari (IT))

**Session Classification:** BSM searches

Contribution ID: 115

Type: **not specified**

## **Search for massive resonances decaying into WW or WZ bosons in proton-proton collisions at 13 TeV with the CMS detector**

*Wednesday 22 February 2017 18:27 (20 minutes)*

**Presenter:** HUANG, Huang (Peking University (CN))

**Session Classification:** BSM searches

Contribution ID: 116

Type: **not specified**

## **Search for single production of a vector-like T quark decaying into a top quark and a Higgs boson at CMS**

*Wednesday 22 February 2017 18:47 (20 minutes)*

**Presenter:** THOLEN, Heiner (Hamburg University (DE))

**Session Classification:** BSM searches

Contribution ID: 117

Type: **not specified**

## **Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at 13 TeV with the CMS detector**

*Wednesday 22 February 2017 19:07 (20 minutes)*

**Presenter:** HASHEMI, Bobak Taleb (Univ. of California San Diego (US))

**Session Classification:** BSM searches



Contribution ID: 118

Type: **not specified**

## **Search for top squark pair-production in the single-lepton channel in models with highly compressed mass spectra with the CMS experiment**

*Wednesday 22 February 2017 19:27 (20 minutes)*

**Presenter:** RAD, Navid K. (Austrian Academy of Sciences (AT))

**Session Classification:** BSM searches

Contribution ID: 119

Type: **not specified**

## **Search for supersymmetry in events with a Higgs decaying to two photons using the Razor variables with the CMS detector**

*Wednesday 22 February 2017 19:47 (20 minutes)*

**Presenter:** ZHANG, Zhicai (California Institute of Technology (US))

**Session Classification:** BSM searches

Contribution ID: 120

Type: **not specified**

## **Search for SUSY in the 0L final state with a customized top tagger at 13 TeV in the CMS experiment**

*Wednesday 22 February 2017 20:07 (20 minutes)*

**Presenter:** WEI, Hua (University of California Riverside (US))

**Session Classification:** BSM searches

Contribution ID: 121

Type: **not specified**

## **Evidence for light-by-light scattering in heavy-ion collisions with the ATLAS detector at the LHC**

*Wednesday 22 February 2017 17:03 (1 minute)*

**Presenter:** SYDORENKO, Alexander (Johannes-Gutenberg-Universitaet Mainz (DE))

**Session Classification:** Heavy Ion Collisions

Contribution ID: 122

Type: **not specified**

## **Measurements of top-quark pair to Z-boson cross-section ratios at $\sqrt{s} = 13, 8, 7$ TeV with the ATLAS detector**

*Wednesday 22 February 2017 17:44 (1 minute)*

**Presenters:** TROFYMOV, Artur (Deutsches Elektronen-Synchrotron (DE)); ZAKHARCHUK, Natalia (DESY)

**Session Classification:** Top quark physics

Contribution ID: 123

Type: **not specified**

## **A Study on the Prospects of a $t\bar{t}b$ Resonances Search in Events with One Lepton at a High Luminosity LHC using the ATLAS detector**

*Wednesday 22 February 2017 17:45 (1 minute)*

### **Summary**

**Presenter:** DUNCAN, Anna Kathryn (University of Glasgow (GB))

**Session Classification:** Top quark physics

Contribution ID: 124

Type: **not specified**

## **Search for Higgs bosons decaying into di-muon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector**

*Wednesday 22 February 2017 17:05 (1 minute)*

**Presenter:** LIU, Yanlin (Univ. of Michigan (US) / Univ. of Sci. & Tech. of China (CN))

**Session Classification:** Higgs studies

Contribution ID: 125

Type: **not specified**

## **Search for strongly produced SUSY in a dilepton final state with the ATLAS detector**

*Wednesday 22 February 2017 20:27 (1 minute)*

**Presenter:** SHANG, Ruo-Yu (Univ. Illinois at Urbana-Champaign (US))

**Session Classification:** BSM searches



Contribution ID: 126

Type: **not specified**

## **A model-independent general search for new phenomena with the ATLAS detector at $\sqrt{s} = 13$ TeV**

*Wednesday 22 February 2017 20:28 (1 minute)*

### **Summary**

**Presenter:** SCHOUWENBERG, Jeroen (Nikhef National institute for subatomic physics (NL))

**Session Classification:** BSM searches

Contribution ID: 127

Type: **not specified**

## **ATLAS Electron Identification for the HL-LHC**

*Wednesday 22 February 2017 18:47 (1 minute)*

**Presenter:** REYNOLDS, Elliot (University of Birmingham (GB))

**Session Classification:** Physics performance etc

Contribution ID: 128

Type: **not specified**

## **Impact of PileUp mitigation with the Inner Tracker in the reconstruction of the Missing Transverse Energy in the ATLAS detector at HL-LHC**

*Wednesday 22 February 2017 18:48 (1 minute)*

**Presenter:** SCORNAJENGHI, Matteo (Universita della Calabria (IT))

**Session Classification:** Physics performance etc

Contribution ID: 129

Type: **not specified**

## **Measurements of electron Identification efficiencies with the 2015 and 2016 pp collision data in ATLAS at $\sqrt{s} = 13$ Te**

*Wednesday 22 February 2017 18:49 (1 minute)*

**Presenter:** BURGER, Angela Maria (Centre National de la Recherche Scientifique (FR))

**Session Classification:** Physics performance etc

Contribution ID: 130

Type: **not specified**

## **Measurements of photon Identification efficiencies with the 2015 and 2016 pp collision data in ATLAS at $\sqrt{s} = 13$ TeV**

*Wednesday 22 February 2017 18:50 (1 minute)*

**Presenter:** PROKLOVA, Nadezda (Moscow State Engineering Physics Institute (RU))

**Session Classification:** Physics performance etc

Contribution ID: 131

Type: **not specified**

## **Muon performance in 2016 data with the ATLAS detector**

*Wednesday 22 February 2017 18:51 (1 minute)*

**Presenter:** MARCHESE, Luigi (University of Oxford (GB))

**Session Classification:** Physics performance etc

Contribution ID: 132

Type: **not specified**

## **ATLAS b-tagging efficiency measurements using a $t\bar{t}$ sample in pp collisions at $\sqrt{s}=13$ TeV**

*Wednesday 22 February 2017 18:52 (1 minute)*

**Presenter:** Mr LI, Changqiao (USTC(CN)/LPNHE(Paris))

**Session Classification:** Physics performance etc

Contribution ID: 133

Type: **not specified**

## **Missing transverse momentum (MET) performance at the ATLAS experiment**

*Wednesday 22 February 2017 18:53 (1 minute)*

**Presenter:** VALENTE, Marco (Universite de Geneve (CH))

**Session Classification:** Physics performance etc



Contribution ID: 134

Type: **not specified**

## **Development and Performance of the Combined Jet Mass measured with the ATLAS detector**

*Wednesday 22 February 2017 18:54 (1 minute)*

**Presenter:** NELSON, Michael Edward (University of Oxford (GB))

**Session Classification:** Physics performance etc

Contribution ID: 135

Type: **not specified**

## **ATLAS Liquid Argon Calorimeters Operation and Data Quality During the 2016 Proton Run**

*Wednesday 22 February 2017 17:49 (1 minute)*

**Presenter:** PASCUZZI, Vincent (University of Toronto (CA))

**Session Classification:** Detector upgrades and R&D

Contribution ID: 136

Type: **not specified**

## The forward Detectors of the ATLAS experiment

*Wednesday 22 February 2017 17:50 (1 minute)*

**Presenter:** VITTORI, Camilla (Universita e INFN, Bologna (IT))

**Session Classification:** Detector upgrades and R&D

Contribution ID: 137

Type: **not specified**

## **Consolidation and upgrades of the ATLAS Tile Calorimeter**

*Wednesday 22 February 2017 17:51 (1 minute)*

**Presenter:** CERDA ALBERICH, Leonor (University of Valencia and CSIC (ES))

**Session Classification:** Detector upgrades and R&D

Contribution ID: 138

Type: **not specified**

## **Performance and description of the upgraded readout with the new back-end electronics for the ATLAS Pixel detector**

*Wednesday 22 February 2017 17:52 (1 minute)*

**Presenter:** YAJIMA, Kazuki (Osaka University (JP))

**Session Classification:** Detector upgrades and R&D

Contribution ID: **139**

Type: **not specified**

## **ATLAS muon DCS upgrades and optimisation**

*Wednesday 22 February 2017 17:53 (1 minute)*

**Presenters:** BAKALIS, Christos (National Technical Univ. of Athens (GR)); KARENTZOS, Efsthios (National Technical Univ. of Athens (GR))

**Session Classification:** Detector upgrades and R&D

Contribution ID: 140

Type: **not specified**

## **The first Module-0 MicroMegas Chamber for the ATLAS new small wheel detector**

*Wednesday 22 February 2017 17:54 (1 minute)*

**Presenter:** PALAZZO, Serena (Universita della Calabria (IT))

**Session Classification:** Detector upgrades and R&D

Contribution ID: 141

Type: **not specified**

## Expected Performance of the Phase-2 Atlas Inner Tracker

*Wednesday 22 February 2017 17:55 (1 minute)*

**Presenter:** SWIFT, Stewart Patrick (University at Albany (US))

**Session Classification:** Detector upgrades and R&D



Contribution ID: 142

Type: **not specified**

## **MicroMegaS R&D for ATLAS MUON PHASE II Upgrade**

*Wednesday 22 February 2017 17:56 (1 minute)*

**Presenter:** FARINA, Edoardo Maria (Universita e INFN, Pavia (IT))

**Session Classification:** Detector upgrades and R&D

Contribution ID: 143

Type: **not specified**

## **Performance of the Standard ATLAS Jet Trigger and Future Developments**

*Wednesday 22 February 2017 17:57 (1 minute)*

**Presenter:** SHERAFATI, Nima (Carleton University (CA))

**Session Classification:** Detector upgrades and R&D

Contribution ID: 144

Type: **not specified**

## **Performance of the ATLAS Muon Trigger and Phase-1 Upgrade of Level-1 Endcap Muon Trigger**

*Wednesday 22 February 2017 17:58 (1 minute)*

**Presenters:** MIZUKAMI, Atsushi (The Graduate University for Advanced Studies); HONDA, Takuya (High Energy Accelerator Research Organization (JP))

**Session Classification:** Detector upgrades and R&D

Contribution ID: 145

Type: **not specified**

## **Validation and Simulation of the ATLAS Level-1 Topological Trigger**

*Wednesday 22 February 2017 17:59 (1 minute)*

**Presenter:** BAKKER, Pepijn Johannes (Nikhef National institute for subatomic physics (NL))

**Session Classification:** Detector upgrades and R&D

Contribution ID: 146

Type: **not specified**

## **CMS Tracking performances in 2016 and Phase-1 Upgrade for pixel detector**

*Wednesday 22 February 2017 18:55 (20 minutes)*

**Presenter:** MARIANI, Valentina (Universita e INFN, Perugia (IT))

**Session Classification:** Physics performance etc

Contribution ID: 147

Type: **not specified**

## The CMS ECAL phi-symmetry calibration

*Wednesday 22 February 2017 19:15 (20 minutes)*

**Presenter:** PIGAZZINI, Simone (Universita & INFN, Milano-Bicocca (IT))

**Session Classification:** Physics performance etc

Contribution ID: 148

Type: **not specified**

## **Psi(2S) production in Pb-Pb collisions at 5.02 TeV with ALICE**

*Wednesday 22 February 2017 17:04 (1 minute)*

**Presenter:** FEUILLARD, Victor Jose Gaston (CEA/IRFU,Centre d'etude de Saclay Gif-sur-Yvette (FR))

**Session Classification:** Heavy Ion Collisions

Contribution ID: 149

Type: **not specified**

## **Inclusive J/Psi production at mid-rapidity in Pb-Pb collisions at 5.02 TeV with ALICE**

*Wednesday 22 February 2017 17:05 (1 minute)*

### **Summary**

**Presenter:** WEISER, Dennis Franz (Ruprecht-Karls-Universitaet Heidelberg (DE))

**Session Classification:** Heavy Ion Collisions



Contribution ID: 150

Type: **not specified**

## **D\_s-meson production and elliptic flow measurements with ALICE in Pb-Pb collisions at 5.02 TeV**

*Wednesday 22 February 2017 17:06 (1 minute)*

### **Summary**

**Presenter:** BARBANO, Anastasia Maria (Universita e INFN Torino (IT))

**Session Classification:** Heavy Ion Collisions

Contribution ID: 151

Type: **not specified**

## **Production of muons from heavy-flavor hadron decays in Pb-Pb collisions at 5.02 TeV with ALICE**

*Wednesday 22 February 2017 17:07 (1 minute)*

### **Summary**

**Presenter:** ZHANG, Zuman (Central China Normal University CCNU (CN))

**Session Classification:** Heavy Ion Collisions

Contribution ID: 152

Type: **not specified**

## **New ALICE results on identified particle production in Pb-Pb collisions at 5.02 TeV**

*Wednesday 22 February 2017 17:08 (1 minute)*

### **Summary**

**Presenter:** RAVASENGA, Ivan (Politecnico di Torino (IT))

**Session Classification:** Heavy Ion Collisions

Contribution ID: 153

Type: **not specified**

## **New results on hadronic resonances in Pb-Pb collisions at 2.76 TeV with ALICE**

*Wednesday 22 February 2017 17:09 (1 minute)*

**Presenter:** Mr TRIPATHY, Sushanta (Indian Institute of Technology Indore (IN))

**Session Classification:** Heavy Ion Collisions

Contribution ID: 154

Type: **not specified**

## **Probing the medium induced parton energy loss with $\pi^0$ -hadron correlations and photon-hadron correlations with the ALICE experiment**

*Wednesday 22 February 2017 17:10 (1 minute)*

### **Summary**

**Presenter:** VAUTHIER, Astrid (Centre National de la Recherche Scientifique (FR))

**Session Classification:** Heavy Ion Collisions

Contribution ID: 155

Type: **not specified**

## Direct thermal photons with ALICE

*Wednesday 22 February 2017 17:11 (1 minute)*

**Presenter:** SAS, Mike Henry Petrus (Nikhef National institute for subatomic physics (NL))

**Session Classification:** Heavy Ion Collisions

Contribution ID: 156

Type: **not specified**

## **Ion backflow and energy resolution in stacks of four GEM detectors for the upgrade of the ALICE TPC**

*Wednesday 22 February 2017 18:00 (20 minutes)*

**Presenter:** BARTSCH, Esther (Johann-Wolfgang-Goethe Univ. (DE))

**Session Classification:** Detector upgrades and R&D

Contribution ID: 157

Type: **not specified**

## Identified particle production in pp collisions at $\sqrt{s} = 13$ TeV with ALICE

*Wednesday 22 February 2017 17:00 (20 minutes)*

**Presenter:** SCHMIDT, Martin (Eberhards Karls Universiy Tübingen (DE))

**Session Classification:** Jets and QCD studies



Contribution ID: 158

Type: **not specified**

## Measurement of low-mass di-electrons in pp collisions at $\sqrt{s} = 13$ TeV with ALICE

*Wednesday 22 February 2017 17:20 (20 minutes)*

**Presenter:** VOROBYEV, Ivan (Technische Universitaet Muenchen (DE))

**Session Classification:** Jets and QCD studies

Contribution ID: **159**

Type: **not specified**

## **The CMS Phase I barrel pixel detector**

*Wednesday 22 February 2017 18:20 (20 minutes)*

**Presenter:** DEL BURGO, Riccardo (Universitaet Zuerich (CH))

**Session Classification:** Detector upgrades and R&D

Contribution ID: **160**

Type: **not specified**

## **CMS Forward Pixel phase I upgrade and commissioning**

*Wednesday 22 February 2017 18:40 (20 minutes)*

**Presenter:** SHI, Mengyao (University of California Davis (US))

**Session Classification:** Detector upgrades and R&D

Contribution ID: **161**

Type: **not specified**

## **Real-time flavour tagging selection in ATLAS**

*Wednesday 22 February 2017 19:00 (1 minute)*

**Presenter:** VARNI, Carlo (Universita e INFN Genova (IT))

**Session Classification:** Detector upgrades and R&D

Contribution ID: **162**

Type: **not specified**

## **Detector Control System for the ATLAS Forward Proton detector**

*Wednesday 22 February 2017 19:01 (1 minute)*

### **Summary**

**Presenter:** CZEKIERDA, Sabina Anna (Polish Academy of Sciences (PL))

**Session Classification:** Detector upgrades and R&D

Contribution ID: **164**

Type: **not specified**

## **Search for CP violation in $\Lambda_b \rightarrow pK\mu\mu$ decays at LHCb**

*Wednesday 22 February 2017 17:04 (1 minute)*

**Presenter:** MARANGOTTO, Daniele (Università degli Studi e INFN Milano (IT))

**Session Classification:** Heavy Flavours

Contribution ID: 165

Type: **not specified**

## **Measurement of CP violation in $B \rightarrow D^{(*)}D$ decays at LHCb**

*Wednesday 22 February 2017 17:05 (1 minute)*

**Presenter:** BELLOLI, Nicoletta (Universita & INFN, Milano-Bicocca (IT))

**Session Classification:** Heavy Flavours

Contribution ID: 166

Type: **not specified**

## Measurement of the photon polarization in radiative $B_s^0$ decays at LHCb

*Wednesday 22 February 2017 17:06 (1 minute)*

**Presenter:** SANCHEZ MAYORDOMO, Carlos (University of Valencia and CSIC (ES))

**Session Classification:** Heavy Flavours



Contribution ID: **167**

Type: **not specified**

## **Observation of $B_s \rightarrow \eta_c h^+ h^-$ decays at LHCb**

*Wednesday 22 February 2017 17:07 (1 minute)*

**Presenter:** MARTIN, Morgan Leni (CPPM, Aix -Marseille Université CNRS/IN2P3, Marseille, France.)

**Session Classification:** Heavy Flavours

Contribution ID: 168

Type: **not specified**

## **Expanding Model Independent Approaches for Measuring CKM angle $\gamma$ at LHCb**

*Wednesday 22 February 2017 17:08 (1 minute)*

**Presenter:** PROUVE, Claire (University of Bristol (GB))

**Session Classification:** Heavy Flavours

Contribution ID: **169**

Type: **not specified**

## **Search for the decay $B_s \rightarrow \eta' \phi$ at LHCb**

*Wednesday 22 February 2017 17:09 (1 minute)*

**Presenter:** GIANI, Sebastiana (Ecole Polytechnique Federale de Lausanne (CH))

**Session Classification:** Heavy Flavours

Contribution ID: 170

Type: **not specified**

## Search for $\Lambda_b$ and $\Xi_b$ decays to $p3h$ final states at LHCb

*Wednesday 22 February 2017 17:10 (1 minute)*

**Presenter:** VERNET, Maxime Quentin (Univ. Blaise Pascal Clermont-Fe. II (FR))

**Session Classification:** Heavy Flavours

Contribution ID: 171

Type: **not specified**

## Prospects for $D^0 \rightarrow hh\mu\mu$ decays at LHCb

*Wednesday 22 February 2017 17:11 (1 minute)*

**Presenter:** MITZEL, Dominik Stefan (Ruprecht-Karls-Universitaet Heidelberg (DE))

**Session Classification:** Heavy Flavours

Contribution ID: 172

Type: **not specified**

## **CP-violating lifetime asymmetries of prompt two-body charm decays at LHCb**

*Wednesday 22 February 2017 17:12 (1 minute)*

### **Summary**

**Presenter:** MAGUIRE, Kevin Scott (University of Manchester (GB))

**Session Classification:** Heavy Flavours

Contribution ID: 173

Type: **not specified**

## **Measurement of matter-antimatter differences in $b$ -baryon decays at LHCb**

*Wednesday 22 February 2017 17:13 (1 minute)*

**Presenter:** MERLI, Andrea (Università degli Studi e INFN Milano (IT))

**Session Classification:** Heavy Flavours

Contribution ID: 174

Type: **not specified**

## Measurement of $b$ -hadron production asymmetries in 7 and 8 TeV $pp$ collisions at LHCb

*Wednesday 22 February 2017 17:41 (1 minute)*

**Presenter:** FERRARI, Fabio (University of Bologna and INFN (IT))

**Session Classification:** Jets and QCD studies



Contribution ID: 175

Type: **not specified**

## **LHCb cross-section measurements with heavy flavour jets**

*Wednesday 22 February 2017 17:40 (1 minute)*

Jets and QCD studies

**Presenter:** MICHIELIN, Emanuele (Universita e INFN, Padova (IT))

**Session Classification:** Jets and QCD studies

Contribution ID: 176

Type: **not specified**

## **Measurement of the forward $Z$ boson production cross-section in $pp$ collisions at $\sqrt{s} = 13$ TeV at LHCb**

*Wednesday 22 February 2017 18:00 (1 minute)*

EW gauge bosons

**Presenter:** WARK, Heather Mckenzie (University of Liverpool (GB))

**Session Classification:** EW gauge bosons

Contribution ID: 178

Type: **not specified**

## Enabling real-time analysis at LHCb

*Wednesday 22 February 2017 19:35 (1 minute)*

Physics performance

**Presenter:** GOVORKOVA, Katya (Nikhef National institute for subatomic physics (NL))

**Session Classification:** Physics performance etc

Contribution ID: 179

Type: **not specified**

## **The new strategy for particle identification samples in Run 2 at LHCb**

*Wednesday 22 February 2017 19:36 (1 minute)*

Physics performance

**Presenter:** MATHAD, Abhijit (University of Warwick (GB))

**Session Classification:** Physics performance etc

Contribution ID: **180**

Type: **not specified**

## **Fast simulation options in LHCb**

*Wednesday 22 February 2017 19:37 (1 minute)*

Physics performance

**Presenters:** SIDDI, Benedetto Gianluca (Universita di Ferrara & INFN (IT)); MULLER, Dominik (University of Manchester (GB))

**Session Classification:** Physics performance etc

Contribution ID: **181**

Type: **not specified**

## **A standalone track reconstruction algorithm for the scintillating fibre tracker at the LHCb upgrade**

*Wednesday 22 February 2017 19:02 (1 minute)*

Detector upgrades and R&D

**Presenter:** Mr QUAGLIANI, Renato (Universite de Paris-Sud 11 (FR))

**Session Classification:** Detector upgrades and R&D