

LHC students poster session

Report of Contributions

Contribution ID: 1

Type: **not specified**

J/Psi flow with ALICE

Wednesday, 28 February 2018 17:05 (1 minute)

Presenter: FRANCISCO, Audrey (Subatech, IN2P3-CNRS (FR))

Session Classification: Heavy Ion Collisions

Contribution ID: 2

Type: **not specified**

J/Psi production in PbPb collisions with ALICE

Wednesday, 28 February 2018 17:06 (1 minute)

Presenter: WEBER, Steffen Georg (Technische Universitaet Darmstadt (DE))

Session Classification: Heavy Ion Collisions

Contribution ID: 3

Type: **not specified**

Heavy flavour angular correlations in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ALICE

Wednesday, 28 February 2018 17:07 (1 minute)

Presenter: MAZZILLI, Marianna (Universita e INFN, Bari (IT))

Session Classification: Heavy Ion Collisions

Contribution ID: 4

Type: **not specified**

Suppression of high-pt heavy-flavour decay muon production in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV measured with ALICE

Wednesday, 28 February 2018 17:08 (1 minute)

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

Session Classification: Heavy Ion Collisions

Contribution ID: 5

Type: **not specified**

Measurement of D-meson production and azimuthal anisotropy in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV with ALICE

Wednesday, 28 February 2018 17:09 (1 minute)

Presenter: GROSA, Fabrizio (Politecnico di Torino (IT))

Session Classification: Heavy Ion Collisions

Contribution ID: 6

Type: **not specified**

Underlying event measurements in ALICE

Wednesday, 28 February 2018 17:02 (1 minute)

Presenter: REN, Xiaowen (Central China Normal University CCNU (CN))

Session Classification: Jets and QCD studies

Contribution ID: 7

Type: **not specified**

Upgrade of the ALICE Inner Tracking System

Wednesday, 28 February 2018 17:10 (1 minute)

Presenter: ANDREOU, Dimitra (Nikhef National institute for subatomic physics (NL))

Session Classification: Detector upgrades and R&D

Contribution ID: 8

Type: **not specified**

Light sensors for the Fast Interaction Trigger for the upgrade of ALICE

Wednesday, 28 February 2018 17:11 (1 minute)

Presenter: MELIKYAN, Yury (National Research Nuclear University MEPhI (RU))

Session Classification: Detector upgrades and R&D

Contribution ID: 9

Type: **not specified**

Anti- and hyper-nuclei production at the LHC with ALICE

Wednesday, 28 February 2018 17:10 (1 minute)

Presenter: BARIOGLIO, Luca (Universita e INFN Torino (IT))

Session Classification: Heavy Ion Collisions

Contribution ID: **10**

Type: **not specified**

Strangeness production at LHC energies with ALICE

Wednesday, 28 February 2018 17:11 (1 minute)

Presenter: TROPP, Lukas (Pavol Jozef Safarik University (SK))

Session Classification: Heavy Ion Collisions

Contribution ID: 11

Type: **not specified**

Neutral meson measurement in pp and Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the PHOS detector at ALICE

Wednesday, 28 February 2018 17:12 (1 minute)

Presenters: SEKIHATA, Daiki (Hiroshima University (JP)); SEKIHATA, Daiki (Hiroshima University)

Session Classification: Heavy Ion Collisions

Contribution ID: 12

Type: **not specified**

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

Wednesday, 28 February 2018 17:00 (1 minute)

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

Session Classification: EW gauge bosons

Contribution ID: 13

Type: **not specified**

Drell-Yan differential cross section measurement at CMS

Wednesday, 28 February 2018 17:01 (1 minute)

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

Session Classification: EW gauge bosons

Contribution ID: 14

Type: **not specified**

Observation of top production in p-Pb collisions with the CMS experiment

Wednesday, 28 February 2018 17:13 (1 minute)

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

Session Classification: Heavy Ion Collisions

Contribution ID: 15

Type: **not specified**

Angular analysis of the decay $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ at CMS

Wednesday, 28 February 2018 17:05 (1 minute)

Presenter: LI, Linwei (Peking University (CN))

Session Classification: Heavy Flavours

Contribution ID: 16

Type: **not specified**

Measurement of $t\bar{t}b\bar{b}$ production at 13 TeV with the CMS experiment

Wednesday, 28 February 2018 17:06 (1 minute)

Presenter: HWANG, Chanwook (Sungkyunkwan University (KR))

Session Classification: Top quark physics

Contribution ID: 17

Type: **not specified**

Measurement of $t\bar{W}$ production cross-section at 13 TeV with CMS

Wednesday, 28 February 2018 17:07 (1 minute)

Presenter: SANCHEZ CRUZ, Sergio (Universidad de Oviedo (ES))

Session Classification: Top quark physics

Contribution ID: 18

Type: **not specified**

Measurement of the associated production of a single top quark and a Z boson in pp collisions at 13 TeV with the CMS experiment

Wednesday, 28 February 2018 17:08 (1 minute)

Presenter: BARRIO LUNA, Maria Del Mar (Centro de Investigaciones Energéticas Medioambientales y Tecnol.)

Session Classification: Top quark physics

Contribution ID: 19

Type: **not specified**

Evidence for the Higgs boson decay to a bottom quark-antiquark pair at CMS

Wednesday, 28 February 2018 17:07 (1 minute)

Presenter: COOPERSTEIN, Stephane Brunet (Princeton University (US))

Session Classification: Higgs studies

Contribution ID: 20

Type: **not specified**

Search for the exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two b quarks and two tau leptons at 13 TeV in the CMS experiment

Wednesday, 28 February 2018 17:08 (1 minute)

Presenter: TSIAKKOURI, Demetra (University of Cyprus (CY))

Session Classification: Higgs studies

Contribution ID: 22

Type: **not specified**

Search for the associated production of the Higgs boson with single top quark at 13 TeV at CMS

Wednesday, 28 February 2018 17:10 (1 minute)

Presenter: DAS, Pallabi (Tata Inst. of Fundamental Research (IN))

Session Classification: Higgs studies

Contribution ID: 23

Type: **not specified**

Search for Supersymmetry in Models with Highly Compressed Mass Spectra in the Soft Single Lepton Channel with the CMS Experiment

Wednesday, 28 February 2018 17:08 (1 minute)

Presenter: Mr ZARUCKI, Mateusz (HEPHY)

Session Classification: BSM searches

Contribution ID: 24

Type: **not specified**

Search for Heavy Majorana Neutrinos with the Same-Sign Di-lepton plus Jets Channel with CMS at 13 TeV

Wednesday, 28 February 2018 17:09 (1 minute)

Presenter: OH, Sungbin (Seoul National University (KR))

Session Classification: BSM searches

Contribution ID: 25

Type: **not specified**

Search for heavy resonances decaying to pairs of vector bosons in the lepton+large-radius jet final state with the CMS detector in proton-proton collisions at 13 TeV

Wednesday, 28 February 2018 17:10 (1 minute)

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

Session Classification: BSM searches

Contribution ID: 26

Type: **not specified**

Search for stau production in the all-hadronic final state with the CMS experiment

Wednesday, 28 February 2018 17:11 (1 minute)

Presenter: COLEGROVE, Owen Robert (Univ. of California Santa Barbara (US))

Session Classification: BSM searches

Contribution ID: 27

Type: **not specified**

Combined search for electroweak production of charginos and neutralinos at 13 TeV with the CMS experiment

Wednesday, 28 February 2018 17:12 (1 minute)

Presenter: ERICE CID, Carlos Francisco (Universidad de Oviedo (ES))

Session Classification: BSM searches

Contribution ID: 28

Type: **not specified**

Search for High-mass Resonances in Zgamma Final States at the CMS experiment with 13 TeV collisions

Wednesday, 28 February 2018 17:13 (1 minute)

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

Session Classification: BSM searches

Contribution ID: 29

Type: **not specified**

Jet Energy Calibration and Resolution at the CMS experiment with 13 TeV collisions

Wednesday, 28 February 2018 17:09 (1 minute)

Presenter: LATTAUD, Hugues (Inst. Nat. Phys. Nucl et Particules (FR))

Session Classification: Physics performance

Contribution ID: **30**

Type: **not specified**

Luminosity measurements with the CMS experiment

Wednesday, 28 February 2018 17:10 (1 minute)

Presenter: KNOLLE, Joscha (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Physics performance

Contribution ID: **31**

Type: **not specified**

Emittance scans for CMS luminosity calibration

Wednesday, 28 February 2018 17:11 (1 minute)

Presenter: KARACHEBAN, Olena (CERN)

Session Classification: Physics performance

Contribution ID: 32

Type: **not specified**

Aging Studies of the triple-GEM detectors for future upgrades of the CMS muon high rate region at the HL-LHC

Wednesday, 28 February 2018 17:12 (1 minute)

Presenter: FALLAVOLLITA, Francesco (Università e INFN Pavia)

Session Classification: Detector upgrades and R&D

Contribution ID: 33

Type: **not specified**

Current State of the R&D on new iRPC for the CMS Muon System Upgrade

Wednesday, 28 February 2018 17:13 (1 minute)

Presenter: VOEVODINA, Elena (Universita e sezione INFN di Napoli (IT))

Session Classification: Detector upgrades and R&D

Contribution ID: 34

Type: **not specified**

Upgrade of the CMS muon spectrometer in the forward region with the GEM technology

Wednesday, 28 February 2018 17:14 (1 minute)

Presenter: GRUCHALA, Marek Michal (Ghent University (BE))

Session Classification: Detector upgrades and R&D

Contribution ID: 35

Type: **not specified**

First results from SiPM+QIE11 readout in CMS for pp collisions

Wednesday, 28 February 2018 17:15 (1 minute)

Presenter: LAWHORN, Jay (California Institute of Technology (US))

Session Classification: Detector upgrades and R&D

Contribution ID: 36

Type: **not specified**

Performance of the GEM detector based on Korean foils for the CMS Muon Upgrade

Wednesday, 28 February 2018 17:16 (1 minute)

Presenter: LEE, Haneol (Seoul National University (KR))

Session Classification: Detector upgrades and R&D

Contribution ID: 37

Type: **not specified**

Observation of semiexclusive dilepton production with proton tag in CMS-TOTEM Precision Proton Spectrometer

Wednesday, 28 February 2018 17:03 (1 minute)

Presenter: SHCHELINA, Ksenia (Universita e INFN Torino (IT))

Session Classification: Jets and QCD studies

Contribution ID: **38**

Type: **not specified**

Operation and performance of new detectors in the CMS-TOTEM Precision Proton Spectrometer

Wednesday, 28 February 2018 17:17 (1 minute)

Presenter: FIGUEIREDO, Diego (Universidade do Estado do Rio de Janeiro (BR))

Session Classification: Detector upgrades and R&D

Contribution ID: 39

Type: **not specified**

Search for ttH production in multilepton final states with the ATLAS detector

Wednesday, 28 February 2018 17:11 (1 minute)

Presenter: POTTI, Harish

Session Classification: Higgs studies

Contribution ID: 40

Type: **not specified**

Soft Drop jet mass measurement with the ATLAS Detector

Wednesday, 28 February 2018 17:04 (1 minute)

Presenter: ROLOFF, Jennifer

Session Classification: Jets and QCD studies

Contribution ID: 41

Type: **not specified**

Muon identification performance of the ATLAS experiment

Wednesday, 28 February 2018 17:12 (1 minute)

Presenter: DE SANTIS, Maurizio (INFN e Universita Roma Tor Vergata (IT))

Session Classification: Physics performance

Contribution ID: 42

Type: **not specified**

Precise muon momentum measurement and calibration using the ATLAS detector

Wednesday, 28 February 2018 17:13 (1 minute)

Presenter: WANG, Weitao (University of Science and Technology of China (CN))

Session Classification: Physics performance

Contribution ID: 43

Type: **not specified**

ATLAS Muon Barrel Level-1 trigger performance in 2017 data

Wednesday, 28 February 2018 17:14 (1 minute)

Presenter: LI, Heng (University of Science and Technology of China (CN))

Session Classification: Physics performance

Contribution ID: 44

Type: **not specified**

Electron and photon energy calibration with the ATLAS detector using the 2015 and 2016 data of the LHC

Wednesday, 28 February 2018 17:15 (1 minute)

Presenter: LAUDRAIN, Antoine (Laboratoire de l'Accélérateur Linéaire (FR))

Session Classification: Physics performance

Contribution ID: 45

Type: **not specified**

Electron identification efficiency measurements with the ATLAS detector and the impact of pileup

Wednesday, 28 February 2018 17:16 (1 minute)

Presenter: DARTSI, Olympia (Centre National de la Recherche Scientifique (FR))

Session Classification: Physics performance

Contribution ID: 46

Type: **not specified**

Impact of Alternative Inputs and Grooming Methods on Large-R Jet Reconstruction in ATLAS

Wednesday, 28 February 2018 17:17 (1 minute)

Presenter: LEBLANC, Matt (University of Arizona (US))

Session Classification: Physics performance

Contribution ID: 47

Type: **not specified**

Missing transverse momentum reconstruction in 2017 data at the ATLAS experiment

Wednesday, 28 February 2018 17:18 (1 minute)

Presenter: TSAI, Fang-Ying (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Physics performance

Contribution ID: 48

Type: **not specified**

Updates on long-term alignment monitoring and diagnostics for ATLAS ID misalignments

Wednesday, 28 February 2018 17:19 (1 minute)

Presenters: RICCI, Ester (Universita degli Studi di Trento and INFN (IT)); FOLLEGA, Francesco Maria (Universita degli Studi di Trento and INFN (IT))

Session Classification: Physics performance

Contribution ID: 49

Type: **not specified**

Reconstruction of displaced-vertex tracks with the ATLAS detector

Wednesday, 28 February 2018 17:20 (1 minute)

Presenter: LUTZ, Margaret Susan (University of Massachusetts (US))

Session Classification: Physics performance

Contribution ID: 50

Type: **not specified**

Search for Supersymmetry in final states with missing transverse momentum and multiple b-jets in proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector

Wednesday, 28 February 2018 17:14 (1 minute)

Presenter: KOURLITIS, Evangelos (University of Sheffield (GB))

Session Classification: BSM searches

Contribution ID: 51

Type: **not specified**

Searching for/the quest for strongly-produced supersymmetry in final states of 7-11 hadronic jets, 0 leptons, and MET, using flavour and fat-jet techniques in the Run-2 ATLAS detector

Wednesday, 28 February 2018 17:15 (1 minute)

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

Session Classification: BSM searches

Contribution ID: 52

Type: **not specified**

Search for light resonances decaying to boosted quark pairs and produced in association with a photon or a jet with the ATLAS detector

Wednesday, 28 February 2018 17:16 (1 minute)

Presenter: NG, Yvonne (University of California Irvine (US))

Session Classification: BSM searches

Contribution ID: 53

Type: **not specified**

Search for high-mass resonances decaying to $\tau\nu$ in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector

Wednesday, 28 February 2018 17:17 (1 minute)

Presenter: VERGIS, Christos (University of Bonn (DE))

Session Classification: BSM searches

Contribution ID: 54

Type: **not specified**

Data acquisition in the ATLAS Tile Calorimeter Phase-II Upgrade Demonstrator

Wednesday, 28 February 2018 17:18 (1 minute)

Presenter: GARCIA APARISI, Francisco Brandan (Univ. of Valencia and CSIC (ES))

Session Classification: Detector upgrades and R&D

Contribution ID: 55

Type: **not specified**

The new ATLAS Fast Calorimeter Simulation

Wednesday, 28 February 2018 17:21 (1 minute)

Presenter: JACKA, Petr (Acad. of Sciences of the Czech Rep. (CZ))

Session Classification: Physics performance

Contribution ID: 56

Type: **not specified**

The ATLAS Forward Proton (AFP) detector

Wednesday, 28 February 2018 17:19 (1 minute)

Presenter: GRIECO, Chiara (The Barcelona Institute of Science and Technology (BIST) (ES))

Session Classification: Detector upgrades and R&D

Contribution ID: 57

Type: **not specified**

Performance of real-time flavour tagging in ATLAS during Run-II

Wednesday, 28 February 2018 17:22 (1 minute)

Presenter: FEICKERT, Matthew (Southern Methodist University (US))

Session Classification: Physics performance

Contribution ID: 58

Type: **not specified**

Integration and Commissioning of the Fast Tracker (FTK)

Wednesday, 28 February 2018 17:20 (1 minute)

Presenter: HORYN, Lesya (University of Chicago (US))

Session Classification: Detector upgrades and R&D

Contribution ID: 59

Type: **not specified**

The ATLAS Access Manager Policy Browser

Wednesday, 28 February 2018 17:21 (1 minute)

Presenter: PERRIN, Sami (EPFL - Ecole Polytechnique Federale Lausanne (CH))

Session Classification: Detector upgrades and R&D

Contribution ID: **60**

Type: **not specified**

Data quality and conditions assessment for the ATLAS Tile Calorimeter

Wednesday, 28 February 2018 17:22 (1 minute)

Presenter: SAHA, Puja (Northern Illinois University (US))

Session Classification: Detector upgrades and R&D

Contribution ID: 61

Type: **not specified**

ATLAS Liquid Argon Calorimeters Operation and Data Quality During the 2017 Proton Run

Wednesday, 28 February 2018 17:23 (1 minute)

Presenter: HAYES, Christopher Robyn (Stony brook Universty (US))

Session Classification: Detector upgrades and R&D

Contribution ID: 62

Type: **not specified**

Design and performance of the upgrade of the CMS L1 trigger

Wednesday, 28 February 2018 17:24 (1 minute)

Presenter: HEIKKILAE, Jaana (Helsinki Institute of Physics (FI))

Session Classification: Detector upgrades and R&D

Contribution ID: 63

Type: **not specified**

Prospects for physics studies at the High-Luminosity LHC with CMS

Wednesday, 28 February 2018 17:25 (1 minute)

Presenter: PANWAR, Lata (Indian Institute of science (IN))

Session Classification: Detector upgrades and R&D

Contribution ID: 64

Type: **not specified**

Search for the Lepton Flavour Violating decay $B \rightarrow \tau\mu$ at LHCb

Wednesday, 28 February 2018 17:06 (1 minute)

Presenter: ARNAU ROMEU, Joan (Aix Marseille Univ, CNRS/IN2P3, CPPM, Marseille, France)

Session Classification: Heavy Flavours

Contribution ID: 65

Type: **not specified**

Angular analysis of the rare decay $\Lambda_b \rightarrow \Lambda\mu\mu$ at LHCb

Wednesday, 28 February 2018 17:07 (1 minute)

Presenter: CHATZIKONSTANTINIDIS, Georgios (University of Birmingham (GB))

Session Classification: Heavy Flavours

Contribution ID: 66

Type: **not specified**

Time-dependent CP violation in $B \rightarrow hh$ decays at LHCb

Wednesday, 28 February 2018 17:08 (1 minute)

Presenter: FAZZINI, Davide (Universita & INFN, Milano-Bicocca (IT))

Session Classification: Heavy Flavours

Contribution ID: 67

Type: **not specified**

Measurement of ϕ_s using $B_s \rightarrow J/\psi\pi^+\pi^-$ at LHCb

Wednesday, 28 February 2018 17:09 (1 minute)

Presenter: LIU, Xuesong (Tsinghua University (CN))

Session Classification: Heavy Flavours

Contribution ID: **68**

Type: **not specified**

Searches for Long-Lived Particles at LHCb

Wednesday, 28 February 2018 17:18 (1 minute)

Presenter: Mr MARINANGELI, Matthieu (EPFL - Ecole Polytechnique Federale Lausanne (CH))

Session Classification: BSM searches

Contribution ID: 69

Type: **not specified**

Time-dependent CP violation in $B^0 \rightarrow D^{*\pm} D^\mp$ at LHCb

Wednesday, 28 February 2018 17:11 (1 minute)

Presenter: SCHELLENBERG, Margarete (Technische Universitaet Dortmund (DE))

Session Classification: Heavy Flavours

Contribution ID: 70

Type: **not specified**

Lepton Universality test in $B \rightarrow p\bar{p}l\nu$ decay at LHCb

Wednesday, 28 February 2018 17:12 (1 minute)

Presenter: TILLEY, Matthew James (Imperial College (GB))

Session Classification: Heavy Flavours

Contribution ID: 71

Type: **not specified**

Ξ_{cc} decay and properties at LHCb

Wednesday, 28 February 2018 17:13 (1 minute)

Presenters: TRAILL, Murdo Thomas (University of Glasgow (GB)); TRAILL, Murdo Thomas (University of Glasgow (GB))

Session Classification: Heavy Flavours

Contribution ID: 72

Type: **not specified**

Charmonia production using hadronic final states at LHCb

Wednesday, 28 February 2018 17:14 (1 minute)

Presenter: USACHOV, Andrii (Université Paris-Saclay (FR))

Session Classification: Heavy Flavours

Contribution ID: 73

Type: **not specified**

Studies on a the SALT ASIC, a novel front end electronics for the LHCb Upgrade Silicon Tracker

Wednesday, 28 February 2018 17:26 (1 minute)

Presenter: BEZSHYIKO, Iaroslava (Universitaet Zuerich (CH))

Session Classification: Detector upgrades and R&D

Contribution ID: 74

Type: **not specified**

The LHCb RICH Upgrade: Development of the DAQ and control systems

Wednesday, 28 February 2018 17:27 (1 minute)

Presenter: CAVALLERO, Giovanni (INFN e Universita Genova (IT))

Session Classification: Detector upgrades and R&D

Contribution ID: 75

Type: **not specified**

Luminosity measurements at LHCb for Run II

Wednesday, 28 February 2018 17:23 (1 minute)

Presenter: COOMBS, George (University of Glasgow (GB))

Session Classification: Physics performance

Contribution ID: 76

Type: **not specified**

IV testing of highly irradiated sensors in vacuum for the LHCb VELO Upgrade

Wednesday, 28 February 2018 17:28 (1 minute)

Presenter: FRANCO LIMA, Vinicius (University of Liverpool (GB))

Session Classification: Detector upgrades and R&D

Contribution ID: 77

Type: **not specified**

Monitoring radiation damage in the LHCb Silicon Tracker

Wednesday, 28 February 2018 17:24 (1 minute)

Presenter: GRAVERINI, Elena (Universitaet Zuerich (CH))

Session Classification: Physics performance

Contribution ID: 78

Type: **not specified**

LHCb full-detector real-time alignment and calibration: latest developments and perspectives

Wednesday, 28 February 2018 17:25 (1 minute)

Presenter: MADDRELL-MANDER, Samuel (University of Bristol (GB))

Session Classification: Physics performance