

**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**

*Wednesday 2 March 2016 17:02 (1h 58m)*

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

**Session Classification:** Heavy Ion Collisions

Contribution ID: 1

Type: **not specified**

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

*Wednesday 2 March 2016 17:02 (20 minutes)*

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

**Session Classification:** Heavy Ion Collisions

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**

*Wednesday 2 March 2016 17:02 (1h 58m)*

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

**Session Classification:** Heavy Ion Collisions

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**

*Wednesday 2 March 2016 17:02 (1h 58m)*

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

**Session Classification:** Heavy Ion Collisions

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**

*Wednesday 2 March 2016 17:02 (1h 58m)*

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

**Session Classification:** Heavy Ion Collisions

Contribution ID: 5

Type: **not specified**

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

*Wednesday 2 March 2016 17:02 (1h 58m)*

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

**Session Classification:** Heavy Ion Collisions

Contribution ID: 6

Type: **not specified**

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

*Wednesday 2 March 2016 17:02 (1h 58m)*

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

**Session Classification:** Heavy Ion Collisions



Contribution ID: 7

Type: **not specified**

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

*Wednesday 2 March 2016 17:02 (20 minutes)*

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

**Session Classification:** Heavy Ion Collisions

Contribution ID: 8

Type: **not specified**

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

*Wednesday 2 March 2016 17:02 (20 minutes)*

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

**Session Classification:** Heavy Ion Collisions

Contribution ID: 9

Type: **not specified**

## **Neutral pion measurement in pp collisions at $\sqrt{s}$ = 7 TeV with PHOS detector in ALICE**

*Wednesday 2 March 2016 17:00 (2 hours)*

**Presenter:** Ms PAREEK, Pooja (Indian Institute of Technology Indore (IN))

**Session Classification:** Jets and QCD studies

Contribution ID: **10**

Type: **not specified**

## **Sensor prototype characterization for the ALICE ITS upgrade**

*Wednesday 2 March 2016 17:08 (1h 52m)*

**Presenter:** KOFARAGO, Monika (Nikhef National institute for subatomic physics (NL))

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

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

*Wednesday 2 March 2016 17:02 (1h 58m)*

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

**Session Classification:** Heavy Ion Collisions

Contribution ID: 15

Type: **not specified**

## **New algorithms for Flavour Tagging at the LHCb experiment**

*Wednesday 2 March 2016 17:07 (20 minutes)*

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

**Session Classification:** Physics performance etc

Contribution ID: 16

Type: **not specified**

## **Verification of Geant4 physics models for the LHCb simulation**

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** GRIFFITH, Peter Noel (University of Birmingham (GB))

**Session Classification:** Physics performance etc

Contribution ID: 17

Type: **not specified**

## The LHCb trigger in Run-II

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** LUPTON, Olli (University of Oxford (GB))

**Session Classification:** Physics performance etc



Contribution ID: **18**

Type: **not specified**

## **Novel real-time calibration and alignment procedure for LHCb Run II**

*Wednesday 2 March 2016 17:07 (1h 53m)*

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

**Session Classification:** Physics performance etc

Contribution ID: **19**

Type: **not specified**

# **Novel Muon Identification algorithms for the LHCb Upgrade**

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** COGONI, Violetta (Universita e INFN (IT))

**Session Classification:** Physics performance etc

Contribution ID: 20

Type: **not specified**

## **R(D\*) and other tauonic decays at LHCb**

*Wednesday 2 March 2016 17:03 (1h 57m)*

**Presenter:** BETTI, Federico (Universita e INFN, Bologna (IT))

**Session Classification:** Physics of heavy flavours

Contribution ID: 21

Type: **not specified**

## **Bs2Ds(\*)Ds(\*) and outlook of B2DD/B2D\*D at LHCb**

*Wednesday 2 March 2016 17:03 (1h 57m)*

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

**Session Classification:** Physics of heavy flavours

Contribution ID: 22

Type: **not specified**

## **Fundamental physics with semileptonic b-baryon decays at LHCb**

*Wednesday 2 March 2016 17:03 (1h 57m)*

**Presenter:** ELY, Scott Edward (Syracuse University (US))

**Session Classification:** Physics of heavy flavours

Contribution ID: 23

Type: **not specified**

## **Bs semileptonic asymmetry at LHCb**

*Wednesday 2 March 2016 17:03 (1h 57m)*

**Presenter:** DUFOUR, Laurent (Nikhef National institute for subatomic physics (NL))

**Session Classification:** Physics of heavy flavours

Contribution ID: 24

Type: **not specified**

## Measurement of the $B_s \rightarrow \phi\phi$ branching fraction and angular analysis of $B_s \rightarrow \phi\pi\pi$ at LHCb

*Wednesday 2 March 2016 17:03 (1h 57m)*

**Presenter:** MORRIS, Adam (University of Edinburgh (GB))

**Session Classification:** Physics of heavy flavours

Contribution ID: 25

Type: **not specified**

## **Current constraints on the CKM angle $\gamma$ and extensions with $B_{+-} \rightarrow DK^*$ + (LHCb)**

*Wednesday 2 March 2016 17:03 (1h 57m)*

**Presenter:** NANDI, Anita Katharine (University of Oxford (GB))

**Session Classification:** Physics of heavy flavours



Contribution ID: 27

Type: **not specified**

## **LHCb measurements of J/psi and open charm cross-sections at 13 TeV**

*Wednesday 2 March 2016 17:00 (2 hours)*

**Presenters:** MULLER, Dominik (University of Manchester (GB)); KOMAROV, Ilya (Ecole Polytechnique Federale de Lausanne (CH))

**Session Classification:** Jets and QCD studies

Contribution ID: 28

Type: **not specified**

## **Study of the ATLAS Inner Detector material budget by using hadronic interactions**

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** PETERSSON, Nora Emilia (University of Massachusetts (US))

**Session Classification:** Physics performance etc

Contribution ID: 29

Type: **not specified**

## **Alignment of the ATLAS Inner Tracking System during LHC Run 2**

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** KOZAKAI, Chihiro (University of Tokyo (JP))

**Session Classification:** Physics performance etc

Contribution ID: 30

Type: **not specified**

## **b-Tagging and Large Radius Jet Modelling in $g \rightarrow b\bar{b}$ rich sample at ATLAS**

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** JIANG, Zihao (Stanford University (US))

**Session Classification:** Physics performance etc

Contribution ID: **31**

Type: **not specified**

## **Muon reconstruction performance in ATLAS at Run-II**

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** LESAGE, Arthur (CEA/IRFU,Centre d'etude de Saclay Gif-sur-Yvette (FR))

**Session Classification:** Physics performance etc

Contribution ID: 32

Type: **not specified**

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

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** HADEF, Asma (CPPM, Aix-Marseille Université, CNRS/IN2P3)

**Session Classification:** Physics performance etc

Contribution ID: 33

Type: **not specified**

## **The Layer2/Layer1 readout ipgrade for the ATLAS Pixel detector**

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** MULLIER, Geoffrey (Universitaet Bern (CH))

**Session Classification:** Physics performance etc

Contribution ID: 34

Type: **not specified**

# ATLAS Liquid Argon Calorimeters Operation and Data Quality During the 2015 Proton Run

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenters:** CAMINCHER, Clement (Centre National de la Recherche Scientifique (FR)); CARBONE, Ryne Michael (Columbia University (US))

**Session Classification:** Physics performance etc



Contribution ID: 35

Type: **not specified**

# ATLAS Jet Energy Scale Calibration and Uncertainties with 13 TeV

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** HRYNEVICH, Aliaksei (Byelorussian State University (BY))

**Session Classification:** Physics performance etc

Contribution ID: 36

Type: **not specified**

## **Reconstruction and performance of Missing Transverse Energy with 3.21/fb of data collected by the ATLAS detector**

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** PETROV, Mariyan Bozhidarov (University of Oxford (GB))

**Session Classification:** Physics performance etc

Contribution ID: 37

Type: **not specified**

## **ATLAS boosted object reconstruction for hadronically decaying Higgs, W, Z, top**

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** Dr BUZATU, Adrian (University of Glasgow (GB))

**Session Classification:** Physics performance etc

Contribution ID: **38**

Type: **not specified**

## **Development of geometrical description for the simulation of the ATLAS New Small Wheel**

*Wednesday 2 March 2016 17:08 (1h 52m)*

**Presenters:** SURMAVA, Archil (Georgian Technical University (GE)); TSUTSKIRIDZE, Niko (Georgian Technical University (GE))

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

Contribution ID: 39

Type: **not specified**

## **Impact of an Extended ATLAS Tracker on $W^\pm W^\pm$ Scattering at a High-Luminosity LHC**

*Wednesday 2 March 2016 17:08 (1h 52m)*

**Presenter:** MILIC, Adriana (CERN)

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

Contribution ID: 40

Type: **not specified**

## **ZZ production: early measurement at 13 TeV with the ATLAS detector**

*Wednesday 2 March 2016 17:01 (20 minutes)*

**Presenter:** RICHTER, Stefan (University College London (GB))

**Session Classification:** EW gauge bosons

Contribution ID: 42

Type: **not specified**

## **Search for dark matter produced in association with a Higgs boson decaying to two bottom quarks at $\sqrt{s} = 8$ TeV with the ATLAS detector**

*Wednesday 2 March 2016 17:06 (1h 54m)*

**Presenter:** WHALLON, Nikola Lazar (University of Washington (US))

**Session Classification:** BSM searches

Contribution ID: 43

Type: **not specified**

## **Search for New Phenomena in Jet Topologies with the ATLAS Detector at $\sqrt{s} = 13$ TeV**

*Wednesday 2 March 2016 17:06 (1h 54m)*

**Presenter:** DANDOY, Jeff (University of Chicago (US))

**Session Classification:** BSM searches



Contribution ID: 44

Type: **not specified**

## Search for bottom squarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector

*Wednesday 2 March 2016 17:06 (20 minutes)*

**Presenters:** LERNER, Giuseppe (University of Sussex (UK)); ANDERS, John Kenneth (University of Liverpool (GB)); FRACCHIA, Silvia (Universitat Autònoma de Barcelona (ES))

**Session Classification:** BSM searches

Contribution ID: 45

Type: **not specified**

## **Search For SUSY Particle Decays to Z+jets+MET at ATLAS**

*Wednesday 2 March 2016 17:06 (1h 54m)*

**Presenter:** HOLMES, Tova Ray (Lawrence Berkeley National Lab. (US))

**Session Classification:** BSM searches

Contribution ID: 46

Type: **not specified**

## **Search for pair production of gluinos in final states with many b-jets and ETmiss at $\sqrt{s}=13$ TeV with the ATLAS detector**

*Wednesday 2 March 2016 17:06 (1h 54m)*

**Presenter:** RIZZI, Chiara (UAB and IFAE (Spain))

**Session Classification:** BSM searches

Contribution ID: 47

Type: **not specified**

## **Inelastic proton cross-section at 13 TeV with ATLAS**

*Wednesday 2 March 2016 17:00 (2 hours)*

**Presenter:** ARRATIA MUNOZ, Miguel Ignacio (University of Cambridge (GB))

**Session Classification:** Jets and QCD studies

Contribution ID: 48

Type: **not specified**

## **Evidence for s-channel single top-quark production in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector**

*Wednesday 2 March 2016 17:04 (1h 56m)*

**Presenter:** RIECK, Patrick (Humboldt-Universitaet zu Berlin (DE))

**Session Classification:** Top quark physics

Contribution ID: 49

Type: **not specified**

## **Bs to J/Psi Phi Run-1 results and studies of B+ mass stability with Run-2 data at ATLAS**

*Wednesday 2 March 2016 17:03 (1h 57m)*

**Presenter:** JAKOUBEK, Tomas (Acad. of Sciences of the Czech Rep. (CZ))

**Session Classification:** Physics of heavy flavours

Contribution ID: 50

Type: **not specified**

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

*Wednesday 2 March 2016 17:02 (1h 58m)*

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

**Session Classification:** Heavy Ion Collisions

Contribution ID: 51

Type: **not specified**

## **Jet flavor tagging and top x-section at LHCb**

*Wednesday 2 March 2016 17:04 (1h 56m)*

**Presenter:** KHUREWATHANAKUL, Chitsanu (Ecole Polytechnique Federale de Lausanne (CH))

**Session Classification:** Top quark physics



Contribution ID: 52

Type: **not specified**

## Search for hidden-sector bosons at LHCb

*Wednesday 2 March 2016 17:06 (1h 54m)*

**Presenter:** MAURI, Andrea (UZH)

**Session Classification:** BSM searches

Contribution ID: 53

Type: **not specified**

## **Elastic pp scattering at 8 TeV in the Coulomb-nuclear interference region measured by TOTEM**

*Wednesday 2 March 2016 17:00 (2 hours)*

**Presenter:** PROCHAZKA, Jiri (Acad. of Sciences of the Czech Rep. (CZ))

**Session Classification:** Jets and QCD studies

Contribution ID: 54

Type: **not specified**

## **Diamond timing detector for the TOTEM experiment**

*Wednesday 2 March 2016 17:08 (1h 52m)*

**Presenter:** LUCSANYI, David (Budapest University of Technology and Economics (HU))

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

Contribution ID: 55

Type: **not specified**

# Monte Carlo modelling of SM processes in ATLAS

*Wednesday 2 March 2016 17:01 (1h 59m)*

**Presenter:** GIULI, Francesco (University of Oxford (GB))

**Session Classification:** EW gauge bosons

Contribution ID: 56

Type: **not specified**

## **ATLAS Jet Trigger Efficiency in 2015 Data**

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** CHRISTODOULOU, Valentinos (University College London (UK))

**Session Classification:** Physics performance etc

Contribution ID: 57

Type: **not specified**

## **Characterising Trigger-Level Hadronic Jets in 2015 Data at ATLAS**

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** KELLERMANN, Edgar (Lund University (SE))

**Session Classification:** Physics performance etc

Contribution ID: 58

Type: **not specified**

## Performance of the ATLAS Tau Trigger in Run-II

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** IKAI, Takashi (Waseda University (JP))

**Session Classification:** Physics performance etc

Contribution ID: 59

Type: **not specified**

# **The Design and Performance of the ATLAS Inner Detector Trigger for Run 2 LHC Collisions at 13 TeV**

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** KILBY, Callum (Royal Holloway, University of London (GB))

**Session Classification:** Physics performance etc



Contribution ID: **60**

Type: **not specified**

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

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** BOKAN, Petar (Institute of Physics Belgrade (RS))

**Session Classification:** Physics performance etc

Contribution ID: **61**

Type: **not specified**

# **Maximising the ATLAS B-physics trigger potential with topological selections**

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** WINSTON, Oliver James (University of Sussex (GB))

**Session Classification:** Physics performance etc

Contribution ID: 62

Type: **not specified**

## **Measurement of the branching fraction ratio $\text{Br}(\text{Bc} \rightarrow \text{Psi}(2\text{S}) \pi) / \text{Br}(\text{Bc} \rightarrow \text{Jpsi} \pi)$ at LHCb**

*Wednesday 2 March 2016 17:03 (1h 57m)*

**Presenter:** AN, Liupan (Ecole Polytechnique Federale de Lausanne (CH))

**Session Classification:** Physics of heavy flavours

Contribution ID: 63

Type: **not specified**

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

*Wednesday 2 March 2016 17:02 (1h 58m)*

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

**Session Classification:** Heavy Ion Collisions

Contribution ID: **64**

Type: **not specified**

## **Inclusive Jets at 13 TeV with the CMS detector**

*Wednesday 2 March 2016 17:00 (2 hours)*

**Presenter:** FLOURIS, Giannis (University of Ioannina (GR))

**Session Classification:** Jets and QCD studies

Contribution ID: 65

Type: **not specified**

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

*Wednesday 2 March 2016 17:01 (1h 59m)*

**Presenter:** TAYLOR, Devin Nathaniel (University of Wisconsin-Madison (US))

**Session Classification:** EW gauge bosons

Contribution ID: 66

Type: **not specified**

## **Measurement of the W boson production cross section in association with two b jets in pp collisions at $\sqrt{s}= 8$ TeV with the CMS detector**

*Wednesday 2 March 2016 17:01 (1h 59m)*

**Presenter:** PERRY, Thomas Mastrianni (University of Wisconsin - Madison (US))

**Session Classification:** EW gauge bosons

Contribution ID: 67

Type: **not specified**

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

*Wednesday 2 March 2016 17:02 (1h 58m)*

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

**Session Classification:** Heavy Ion Collisions



Contribution ID: **68**

Type: **not specified**

# Fragmentation Functions of jets in pPb collisions in CMS

*Wednesday 2 March 2016 17:02 (1h 58m)*

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

**Session Classification:** Heavy Ion Collisions

Contribution ID: 69

Type: **not specified**

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

*Wednesday 2 March 2016 17:02 (1h 58m)*

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

**Session Classification:** Heavy Ion Collisions

Contribution ID: 70

Type: **not specified**

## **Underlying event measurement with $t\bar{t}$ + X events with pp collision data at 13 TeV with the CMS detector**

*Wednesday 2 March 2016 17:04 (1h 56m)*

**Presenter:** BILIN, Bugra (Middle East Technical University (TR))

**Session Classification:** Top quark physics

Contribution ID: 71

Type: **not specified**

## **ttbar reconstruction in lepton+jets channel in CMS**

*Wednesday 2 March 2016 17:04 (1h 56m)*

**Presenter:** DUH, Yi-Ting (University of Rochester (US))

**Session Classification:** Top quark physics

Contribution ID: 72

Type: **not specified**

## **Measurement of the differential $t\bar{t}$ cross section for high-pt top quarks in $e(\mu)+\text{jets}$ events at 8 TeV with the CMS detector**

*Wednesday 2 March 2016 17:04 (1h 56m)*

**Presenter:** DITTMER, Susan J (Cornell University (US))

**Session Classification:** Top quark physics

Contribution ID: 73

Type: **not specified**

## **Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at a center of mass energy of 8 TeV using the Higgs to WW decays with the CMS detector**

*Wednesday 2 March 2016 17:05 (1h 55m)*

**Presenter:** VILLANI, Lorenzo (Universita e INFN, Firenze (IT))

**Session Classification:** Higgs studies

Contribution ID: 74

Type: **not specified**

## Searches for bottom quark decays of the Higgs boson in CMS

*Wednesday 2 March 2016 17:05 (1h 55m)*

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

**Session Classification:** Higgs studies

Contribution ID: 75

Type: **not specified**

## **Search for a high-mass scalar in the $ZZ \rightarrow l+l- +$ missing energy final state with the CMS detector**

*Wednesday 2 March 2016 17:05 (1h 55m)*

**Presenter:** DELANNOY, Hugo (Universite Libre de Bruxelles (BE))

**Session Classification:** Higgs studies



Contribution ID: 76

Type: **not specified**

## **Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the CMS detector**

*Wednesday 2 March 2016 17:05 (1h 55m)*

**Presenter:** Mr AHMAD, Muhammad (Chinese Academy of Sciences (CN))

**Session Classification:** Higgs studies

Contribution ID: 77

Type: **not specified**

# Exotic decays of the Higgs boson with photons and MET: CMS Run I results and projections for LHC Run II

*Wednesday 2 March 2016 17:05 (1h 55m)*

**Presenter:** TEIXEIRA DE LIMA, Rafael (Northeastern University (US))

**Session Classification:** Higgs studies

Contribution ID: 78

Type: **not specified**

## **Searches for new heavy resonances decaying into dielectrons or dimuons at CMS**

*Wednesday 2 March 2016 17:06 (1h 54m)*

**Presenter:** FASANELLA, Giuseppe (Universite Libre de Bruxelles (BE))

**Session Classification:** BSM searches

Contribution ID: 79

Type: **not specified**

## **Searches for heavy charged gauge bosons in the final state of electron and muon plus missing transverse energy with the CMS detector**

*Wednesday 2 March 2016 17:06 (1h 54m)*

**Presenter:** ESCALANTE DEL VALLE, Alberto (Centro de Investigaciones Energ. Medioambientales y Tecn. - (ES))

**Session Classification:** BSM searches

Contribution ID: **80**

Type: **not specified**

## **Search for narrow resonances decaying to dijets in proton-proton collisions at 13 TeV with the CMS detector**

*Wednesday 2 March 2016 17:06 (1h 54m)*

**Presenter:** PEKKANEN, Juska (University of Helsinki (FI))

**Session Classification:** BSM searches

Contribution ID: **81**

Type: **not specified**

# **Inclusive searches for SUSY using the razor variables in CMS**

*Wednesday 2 March 2016 17:06 (1h 54m)*

**Presenter:** ANDERSON, Dustin James (California Institute of Technology (US))

**Session Classification:** BSM searches

Contribution ID: 82

Type: **not specified**

## **Search for resonant pair production of Higgs bosons decaying to $b\bar{b}t\tau$ in CMS at 8 TeV**

*Wednesday 2 March 2016 17:06 (1h 54m)*

**Presenter:** GALLONI, Camilla (Universitaet Zuerich (CH))

**Session Classification:** BSM searches

Contribution ID: 83

Type: **not specified**

## **Search for new VW diboson resonances in semileptonic final states at $\sqrt{s} = 13$ TeV with the CMS detector**

*Wednesday 2 March 2016 17:06 (1h 54m)*

**Presenter:** BRIANZA, Luca (Universita & INFN, Milano-Bicocca (IT))

**Session Classification:** BSM searches



Contribution ID: **84**

Type: **not specified**

## **Search for leptonic monotops in the 8 TeV pp collisions of the LHC in the CMS experiment**

*Wednesday 2 March 2016 17:06 (1h 54m)*

**Presenter:** BUTTIGNOL, Michael Anthony (Institut Pluridisciplinaire Hubert Curien (FR))

**Session Classification:** BSM searches

Contribution ID: 85

Type: **not specified**

## Fast Tracking Simulation with CMS

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** KOMM, Matthias (Universite Catholique de Louvain (UCL) (BE))

**Session Classification:** Physics performance etc

Contribution ID: **86**

Type: **not specified**

## **The data quality monitoring challenge at CMS: experience from first collisions and future plans**

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** DI GUIDA, Salvatore (Universita degli Studi Guglielmo Marconi (IT))

**Session Classification:** Physics performance etc

Contribution ID: 87

Type: **not specified**

## **Muon reconstruction and identification efficiencies in CMS at $\sqrt{s} = 13$ TeV**

*Wednesday 2 March 2016 17:07 (1h 53m)*

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

**Session Classification:** Physics performance etc

Contribution ID: **88**

Type: **not specified**

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

*Wednesday 2 March 2016 17:01 (1h 59m)*

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

**Session Classification:** EW gauge bosons

Contribution ID: **89**

Type: **not specified**

## **Prospects with Vub measurements at LHCb**

*Wednesday 2 March 2016 17:03 (1h 57m)*

**Presenter:** STEFKOVA, Slavomira (Imperial College Sci., Tech. & Med. (GB))

**Session Classification:** Physics of heavy flavours

Contribution ID: **90**

Type: **not specified**

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

*Wednesday 2 March 2016 17:02 (1h 58m)*

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

**Session Classification:** Heavy Ion Collisions

Contribution ID: **91**

Type: **not specified**

## **Triggering on PbPb events with CMS in 2015**

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** TATAR, Kaya (Massachusetts Inst. of Technology (US))

**Session Classification:** Physics performance etc



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**

*Wednesday 2 March 2016 17:02 (1h 58m)*

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

**Session Classification:** Heavy Ion Collisions

Contribution ID: 94

Type: **not specified**

## **Calibration and performances of LHCf Arm2 upgraded detector for the reconstruction of hadronic events**

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** BERTI, Eugenio (Universita e INFN, Firenze (IT))

**Session Classification:** Physics performance etc

Contribution ID: 95

Type: **not specified**

## **The performance for the TeV photon measurement of the LHCf upgraded detector using Gd<sub>2</sub>SiO<sub>5</sub> (GSO) scintillators**

*Wednesday 2 March 2016 17:07 (1h 53m)*

**Presenter:** MAKINO, Yuya (Nagoya University (JP))

**Session Classification:** Physics performance etc