

LHC students poster session

Report of Contributions

Contribution ID: **80**

Type: **not specified**

Measurement of the muon charge asymmetry in inclusive $pp \rightarrow W + X$ production at 7 TeV.

Wednesday 13 March 2013 17:01 (1 minute)

Presenter: GHOSH, Saranya Samik (Tata Inst. of Fundamental Research (IN))

Session Classification: EW gauge bosons

Contribution ID: **81**

Type: **not specified**

ZZ cross-section measurement and limits on anomalous neutral triple gauge couplings.

Wednesday 13 March 2013 17:02 (1 minute)

Presenter: PERNIE, Luca (Universite Libre de Bruxelles (BE))

Session Classification: EW gauge bosons

Contribution ID: **82**

Type: **not specified**

Measurement of the $W \rightarrow \mu\nu + bb$ Cross Section with the CMS detector.

Wednesday 13 March 2013 17:03 (1 minute)

Presenter: OJALVO, Isabel (University of Wisconsin (US))

Session Classification: EW gauge bosons

Contribution ID: 83

Type: **not specified**

Probing Z/gamma* boson transverse momentum with angular correlations in Drell-Yan lepton pairs in ATLAS

Wednesday 13 March 2013 17:04 (1 minute)

Session Classification: EW gauge bosons

Contribution ID: **84**

Type: **not specified**

Recent Dibosons Results from ATLAS

Wednesday 13 March 2013 17:05 (1 minute)

Presenters: MANJARRES RAMOS, Joany Andreina (CEA/IRFU, Centre d'étude de Saclay Gif-sur-Yvette (FR)); KOUSKOURA, Vasiliki (Aristotle Univ. of Thessaloniki (GR))

Session Classification: EW gauge bosons

Contribution ID: 87

Type: **not specified**

Studies of soft diffraction with TOTEM at the LHC

Wednesday 13 March 2013 17:00 (1h 59m)

Presenter: OLJEMARK, Fredrik (Helsinki Institute of Physics (FI))

Session Classification: Jets and QCD studies

Contribution ID: **88**

Type: **not specified**

LHCf measurements of neutron production at large rapidity

Wednesday 13 March 2013 17:00 (1h 59m)

Presenter: KENTARO, Kawade

Session Classification: Jets and QCD studies

Contribution ID: **89**

Type: **not specified**

Measurement of the 3-jet mass cross section and extraction of α_s .

Wednesday 13 March 2013 17:00 (1h 59m)

Presenter: STOBER, Fred (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Jets and QCD studies

Contribution ID: **90**

Type: **not specified**

Direct photon production in 7 TeV pp collisions in ATLAS

Wednesday 13 March 2013 17:00 (1h 59m)

Presenters: NORBERG, Scarlet; NORBERG, Scarlet Rachel (University of Oklahoma (US))

Session Classification: Jets and QCD studies

Contribution ID: **91**

Type: **not specified**

Multi-strange baryon production in Pb-Pb collisions at the LHC with ALICE

Wednesday 13 March 2013 17:02 (1h 57m)

Presenter: COLELLA, Domenico (Universita e INFN (IT))

Session Classification: Heavy Ion collisions

Contribution ID: 92

Type: **not specified**

Transverse Momentum Distributions of Identified Particles in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV and p-Pb Collisions at $\sqrt{s} = 5.02$ TeV in ALICE

Wednesday 13 March 2013 17:02 (1h 57m)

Presenter: ANIELSKI, Jonas (Westfaelische Wilhelms-Universitaet Muenster (DE))

Session Classification: Heavy Ion collisions

Contribution ID: 93

Type: **not specified**

(Anti-)matter and hyper-matter production at the LHC with ALICE

Wednesday 13 March 2013 17:02 (1h 57m)

Presenter: MARTIN, Nicole Alice (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))

Session Classification: Heavy Ion collisions

Contribution ID: 94

Type: **not specified**

Measurement of full jet pT spectra in 2.76 TeV pp and Pb-Pb collisions with the ALICE detector

Wednesday 13 March 2013 17:02 (1h 57m)

Presenter: AIOLA, Salvatore (Lawrence Berkeley National Lab. (US))

Session Classification: Heavy Ion collisions

Contribution ID: 95

Type: **not specified**

Photoproduction in Pb-Pb collisions with ALICE at the LHC

Wednesday 13 March 2013 17:02 (1h 57m)

Presenter: AGOSTINELLI, Andrea (Universita e INFN (IT))

Session Classification: Heavy Ion collisions

Contribution ID: **96**

Type: **not specified**

Jet measurements in heavy ion collisions with CMS

Wednesday 13 March 2013 17:02 (1h 57m)

Presenter: GULHAN, Doga Can (Massachusetts Inst. of Technology (US))

Session Classification: Heavy Ion collisions

Contribution ID: 97

Type: **not specified**

Electroweak measurements in heavy ion collisions with CMS.

Wednesday 13 March 2013 17:02 (1h 57m)

Presenter: GARDNER, Michael (University of California Davis (US))

Session Classification: Heavy Ion collisions

Contribution ID: 98

Type: **not specified**

Measurements of b hadron masses

Wednesday 13 March 2013 17:03 (1h 57m)

Presenter: MARKI, Raphael (Ecole Polytechnique Federale de Lausanne (CH))

Session Classification: Physics of heavy flavours

Contribution ID: 99

Type: **not specified**

Search for the rare decays $D \rightarrow h\mu\mu$ at LHCb

Wednesday 13 March 2013 17:03 (1h 57m)

Presenter: GREENING, Ed (University of Oxford (GB))

Session Classification: Physics of heavy flavours

Contribution ID: **100**

Type: **not specified**

Search for CP violation in $D \rightarrow 4h$ decays

Wednesday 13 March 2013 17:03 (1h 57m)

Presenter: COOMBES, Matt (University of Bristol (GB))

Session Classification: Physics of heavy flavours

Contribution ID: **101**

Type: **not specified**

First evidence for the decay $B_s \rightarrow \mu\mu$

Wednesday 13 March 2013 17:03 (1h 57m)

Presenter: TOLK, Siim (NIKHEF (NL))

Session Classification: Physics of heavy flavours

Contribution ID: **102**

Type: **not specified**

Study of CP asymmetry in $B^0 \rightarrow K^* \mu \mu$

Wednesday 13 March 2013 17:03 (1h 57m)

Presenter: WRIGHT, Simon Robert Magee (University of Cambridge (GB))

Session Classification: Physics of heavy flavours

Contribution ID: **103**

Type: **not specified**

Measurement of the decay-time-evolution of Bs -> J/psi phi decays

Wednesday 13 March 2013 17:03 (1h 57m)

Presenter: SYROPOULOS, Vasileios (NIKHEF (NL))

Session Classification: Physics of heavy flavours

Contribution ID: **104**

Type: **not specified**

LHCb results on B meson mixing

Wednesday 13 March 2013 17:03 (1h 57m)

Presenters: MEIER, Frank; EITSCHBERGER, Ulrich Paul (Technische Universitaet Dortmund (DE))

Session Classification: Physics of heavy flavours

Contribution ID: **105**

Type: **not specified**

Measurement of gamma from B->DK decays

Wednesday 13 March 2013 17:03 (1h 57m)

Presenter: HUSSAIN, Nazim (University of Oxford (GB))

Session Classification: Physics of heavy flavours

Contribution ID: **106**

Type: **not specified**

Charmless B-> 3-body decays at LHCb

Wednesday 13 March 2013 17:03 (1h 57m)

Presenter: PRISCIANDARO, Jessica (Ecole Polytechnique Federale de Lausanne (CH))

Session Classification: Physics of heavy flavours

Contribution ID: 107

Type: **not specified**

Azimuthal angular correlation between heavy-flavour decay electrons and charged hadrons in pp collisions at $\sqrt{s} = 2.76$ TeV in ALICE

Wednesday 13 March 2013 17:07 (1 minute)

Presenter: THOMAS, Deepa (University of Utrecht (NL))

Session Classification: Production of heavy quarks

Contribution ID: **108**

Type: **not specified**

Quarkonium measurements in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ALICE Muon Spectrometer

Wednesday 13 March 2013 17:08 (1 minute)

Presenter: VALENCIA PALOMO, Lizardo (Universite de Paris-Sud 11 (FR))

Session Classification: Production of heavy quarks

Contribution ID: **109**

Type: **not specified**

Measurement of J/Psi -> e+e- Production in Pb-Pb Collisions at sqrt(s)=2.76 TeV in ALICE at the LHC

Wednesday 13 March 2013 17:09 (1 minute)

Presenter: BOOK, Julian (Johann-Wolfgang-Goethe Univ. (DE))

Session Classification: Production of heavy quarks

Contribution ID: 110

Type: **not specified**

Measurement of D meson azimuthal anisotropy in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with ALICE

Wednesday 13 March 2013 17:10 (1 minute)

Presenter: FESTANTI, Andrea (Universita e INFN (IT))

Session Classification: Production of heavy quarks

Contribution ID: 111

Type: **not specified**

Full Reconstruction of B Mesons with the ALICE Inner Tracker Upgrade

Wednesday 13 March 2013 17:11 (1 minute)

Presenter: STILLER, Johannes Hendrik (Ruprecht-Karls-Universitaet Heidelberg (DE))

Session Classification: Production of heavy quarks

Contribution ID: 112

Type: **not specified**

Quarkonia production at LHCb

Wednesday 13 March 2013 17:12 (1 minute)

Presenter: COOK, Andrew David (University of Bristol (GB))

Session Classification: Production of heavy quarks

Contribution ID: 113

Type: **not specified**

Measurement of the B+ meson production cross section at high pT with the ATLAS detector

Wednesday 13 March 2013 17:13 (1 minute)

Presenter: NOMIDIS, Ioannis (Aristotle Univ. of Thessaloniki (GR))

Session Classification: Production of heavy quarks

Contribution ID: **114**

Type: **not specified**

Top quark physics

Contribution ID: 115

Type: **not specified**

Combination of CMS Results on the Mass of the Top Quark

Wednesday 13 March 2013 17:04 (1h 56m)

Presenter: GARCIA, Guillaume (Ghent University (BE))

Session Classification: Top quark physics

Contribution ID: 116

Type: **not specified**

Towards a Measurement of Spin Correlation of $t\bar{t}$ Events at CMS using a Matrix Element Method

Wednesday 13 March 2013 17:04 (1h 55m)

Presenter: BEERNAERT, Kelly (Ghent University (BE))

Session Classification: Top quark physics

Contribution ID: 117

Type: **not specified**

Measurement of differential top-quark pair production cross sections

Wednesday 13 March 2013 17:04 (1h 56m)

Presenter: ASIN CRUZ, Ivan (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Top quark physics

Contribution ID: 118

Type: **not specified**

Evidence for associated production of a single top quark and W boson in pp collisions at a center-of-mass energy of 7 TeV with the CMS experiment

Wednesday 13 March 2013 17:04 (1h 55m)

Presenter: NOONAN, Daniel (University of Kansas (US))

Session Classification: Top quark physics

Contribution ID: **119**

Type: **not specified**

Measurement of the t-channel single top production cross section and the charge asymmetry at CMS

Wednesday 13 March 2013 17:04 (1h 56m)

Presenter: ROCKER, Steffen (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Top quark physics

Contribution ID: 120

Type: **not specified**

A study of heavy flavor quarks produced in association with top quark pairs at $\sqrt{s} = 7$ TeV

Wednesday 13 March 2013 17:04 (1h 55m)

Presenter: WALL, Richard Arthur

Session Classification: Top quark physics

Contribution ID: 121

Type: **not specified**

Search for CP violation in single top quark events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector

Wednesday 13 March 2013 17:04 (1h 56m)

Presenter: MORENO LLACER, Maria (Universidad de Valencia (ES))

Session Classification: Top quark physics

Contribution ID: 122

Type: **not specified**

Properties determination of the newly-discovered boson with $H \rightarrow \gamma\gamma$ decay

Wednesday 13 March 2013 17:05 (1h 54m)

Presenter: MOTT, Alex (California Institute of Technology (US))

Session Classification: Higgs studies

Contribution ID: 123

Type: **not specified**

Search for SM Higgs Boson Production in the Dimuon Final State

Wednesday 13 March 2013 17:05 (1h 54m)

Presenter: HUGON, Justin (University of Florida (US))

Session Classification: Higgs studies

Contribution ID: 124

Type: **not specified**

Observation of a new boson in the search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 4\ell$ channel in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the CMS detector

Wednesday 13 March 2013 17:05 (1h 54m)

Presenter: CASASSO, Stefano (Universita e INFN (IT))

Session Classification: Higgs studies

Contribution ID: 125

Type: **not specified**

Search for the Standard Model Higgs Boson decaying to Bottom Quarks

Wednesday 13 March 2013 17:05 (1h 54m)

Presenter: BORTIGNON, Pierluigi (Eidgenoessische Tech. Hochschule Zuerich (CH))

Session Classification: Higgs studies

Contribution ID: 126

Type: **not specified**

Search for the standard model Higgs boson decaying to tau pairs produced in association with a W or Z boson

Wednesday 13 March 2013 17:05 (1h 54m)

Presenter: CAILLOL, Cecile Sarah (Universite Libre de Bruxelles (BE))

Session Classification: Higgs studies

Contribution ID: 127

Type: **not specified**

Search for H->tautau at LHCb

Wednesday 13 March 2013 17:05 (1h 54m)

Presenter: ILTEN, Philip James (University College Dublin (IE))

Session Classification: Higgs studies

Contribution ID: 128

Type: **not specified**

Search for the MSSM Higgs bosons with the ATLAS detector

Wednesday 13 March 2013 17:05 (1h 54m)

Presenter: MADSEN, Alexander (Uppsala University (SE))

Session Classification: Higgs studies

Contribution ID: 129

Type: **not specified**

Observation of the new Higgs-like particle in the four lepton decay channel with the ATLAS detector

Wednesday 13 March 2013 17:05 (1h 54m)

Presenter: XIANGYANG

Session Classification: Higgs studies

Contribution ID: 130

Type: **not specified**

Combination of the searches for the low mass Standard Model Higgs boson with the ATLAS detector

Wednesday 13 March 2013 17:05 (1h 54m)

Presenter: GABRIELLI, Andrea (Universita e INFN, Roma I (IT))

Session Classification: Higgs studies

Contribution ID: 131

Type: **not specified**

Search for new physics in final states with a charged lepton and missing transverse energy

Wednesday 13 March 2013 17:06 (1h 53m)

Presenter: OLSCHEWSKI, Mark (Rheinisch-Westfaelische Tech. Hoch. (DE))

Session Classification: BSM searches

Contribution ID: 132

Type: **not specified**

Search for New Physics Using Boosted Top Quarks in the All-Hadronic Channel

Wednesday 13 March 2013 17:06 (1h 53m)

Presenter: PILOT, Justin (University of California Davis (US))

Session Classification: BSM searches

Contribution ID: 133

Type: **not specified**

Search for an excited quark decaying to a top quark plus gluon

Wednesday 13 March 2013 17:06 (1h 53m)

Presenter: WANG, Ta-Wei (National Taiwan University (TW))

Session Classification: BSM searches

Contribution ID: 134

Type: **not specified**

Search for tb resonances

Wednesday 13 March 2013 17:06 (1h 53m)

Presenter: SPERKA, David (Boston University (US))

Session Classification: BSM searches

Contribution ID: 135

Type: **not specified**

Inclusive search for squarks and gluinos with razor variables

Wednesday 13 March 2013 17:06 (1h 53m)

Presenter: DUARTE, Javier Mauricio (California Institute of Technology (US))

Session Classification: BSM searches

Contribution ID: 136

Type: **not specified**

SUSY search with two same-sign leptons and jets with the ATLAS detector using 21 fb-1 of pp collisions at 8TeV

Wednesday 13 March 2013 17:06 (1h 53m)

Presenters: HULUBEI, Horia; DUCU, Otilia Anamaria (Horia Hulubei National Institute of Physics and Nuclear Enginee)

Session Classification: BSM searches

Contribution ID: 137

Type: **not specified**

Search for top squark pair production in fully hadronic events using 21 fb⁻¹ of 8 TeV pp collisions with the ATLAS detector

Wednesday 13 March 2013 17:06 (1h 53m)

Presenter: UNGARO, Francesca (Albert-Ludwigs-Universitaet Freiburg (DE))

Session Classification: BSM searches

Contribution ID: 138

Type: **not specified**

Overview and recent results on the search for top squark production with the ATLAS detector

Wednesday 13 March 2013 17:06 (1h 53m)

Presenters: ROSBACH, Kilian (Universite de Geneve (CH)); BRAZZALE, Simone Federico (Universita degli Studi di Udine (IT))

Session Classification: BSM searches

Contribution ID: 139

Type: **not specified**

Search for high-mass dilepton resonances in 20/fb of pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector

Wednesday 13 March 2013 17:06 (1h 53m)

Presenter: RAVE, Stefan (Johannes-Gutenberg-Universitaet Mainz (DE))

Session Classification: BSM searches

Contribution ID: 140

Type: **not specified**

Search for New Phenomena in Monojet plus Missing Transverse Momentum Final States with the ATLAS detector at the LHC

Wednesday 13 March 2013 17:06 (1h 53m)

Presenter: GRAMLING, Johanna (Universite de Geneve (CH))

Session Classification: BSM searches

Contribution ID: 141

Type: **not specified**

Reference cross section measurements in pp and Pb-Pb collisions at the LHC with the ALICE detector

Wednesday 13 March 2013 17:08 (1h 55m)

Presenter: LEOGRANDE, Emilia (Universita e INFN (IT))

Session Classification: Physics performance et al

Contribution ID: **142**

Type: **not specified**

A GEM-based readout for the ALICE TPC

Wednesday 13 March 2013 17:08 (1h 53m)

Presenter: HOENLE, Andreas

Session Classification: Physics performance et al

Contribution ID: 143

Type: **not specified**

LHC Optics Determination with Proton Tracks Measured in the Roman Pot Detectors of the TOTEM Experiment

Wednesday 13 March 2013 17:08 (1h 55m)

Presenter: NEMES, Frigyes Janos (Hungarian Academy of Sciences (HU))

Session Classification: Physics performance et al

Contribution ID: 144

Type: **not specified**

Fast Simulation in CMS detector

Wednesday 13 March 2013 17:08 (1h 53m)

Presenter: PRIMAVERA, Federica (Universita e INFN (IT))

Session Classification: Physics performance et al

Contribution ID: 145

Type: **not specified**

ECAL calibration and energy scale and resolution for electrons and photons

Wednesday 13 March 2013 17:08 (1h 55m)

Presenters: MOTT, Alex (California Institute of Technology (US)); PENA HERRERA, Cristian Ignacio (California Institute of Technology (US))

Session Classification: Physics performance et al

Contribution ID: 146

Type: **not specified**

High Level Trigger development in CMS with OpenHLT

Wednesday 13 March 2013 17:08 (1h 53m)

Presenter: DEMIRAGLI, Zeynep (Brown University (US))

Session Classification: Physics performance et al

Contribution ID: 147

Type: **not specified**

Tracking performance in CMS high level trigger system

Wednesday 13 March 2013 17:08 (1h 55m)

Presenter: GORI, Valentina (Universita e INFN (IT))

Session Classification: Physics performance et al

Contribution ID: **148**

Type: **not specified**

Flavour tagging at LHCb

Wednesday 13 March 2013 17:08 (1h 53m)

Presenter: FALABELLA, Antonio (Universita di Ferrara (IT))

Session Classification: Physics performance et al

Contribution ID: **149**

Type: **not specified**

Photon efficiency in ATLAS

Wednesday 13 March 2013 17:08 (1h 55m)

Presenter: LIU, Kun (Univ. of Science & Tech. of China (CN) and LPNHE Paris)

Session Classification: Physics performance et al

Contribution ID: 150

Type: **not specified**

Performance of Tau Reconstruction and Identification in 2012 with ATLAS

Wednesday 13 March 2013 17:08 (1h 53m)

Presenter: TUNA, Alexander Naip (University of Pennsylvania (US))

Session Classification: Physics performance et al

Contribution ID: 151

Type: **not specified**

Developments of a fast and flexible large-scale simulation for ATLAS

Wednesday 13 March 2013 17:08 (1h 55m)

Presenter: RITSCH, Elmar (University of Innsbruck (AT))

Session Classification: Physics performance et al

Contribution ID: 152

Type: **not specified**

Jets, Missing ET, and Jet Substructure and Tagging Performance in ATLAS

Wednesday 13 March 2013 17:08 (1h 53m)

Presenter: SWIATLOWSKI, Maximilian J (SLAC National Accelerator Laboratory (US))

Session Classification: Physics performance et al

Contribution ID: 153

Type: **not specified**

ATLAS B-tagging performance in 2012

Wednesday 13 March 2013 17:08 (1h 55m)

Presenter: CONNELLY, Ian

Session Classification: Physics performance et al

Contribution ID: 154

Type: **not specified**

ATLAS Tracking, Beam Protection, and Forward Detector Systems

Wednesday 13 March 2013 17:08 (1h 53m)

Presenters: Mr ALPIGIANI, Cristiano (University of London (GB)); ALPIGIANI, Cristiano

Session Classification: Physics performance et al

Contribution ID: 155

Type: **not specified**

ATLAS TDAQ System Performance in 2012 Data Taking

Wednesday 13 March 2013 17:08 (1h 55m)

Presenter: COLOMBO, Tommaso (CERN and Universität Heidelberg)

Session Classification: Physics performance et al

Contribution ID: **156**

Type: **not specified**

ATLAS Muon/MCP

Wednesday 13 March 2013 17:08 (1h 53m)

Presenters: VENTURINI, Alessio (Brandeis University (US)); ZAMBITO, Stefano (Brandeis University (US))

Session Classification: Physics performance et al

Contribution ID: 157

Type: **not specified**

ATLAS CALO operations, DQ, performance

Wednesday 13 March 2013 17:08 (1h 55m)

Presenters: LIE, Ki (Univ. Illinois at Urbana-Champaign (US)); ILIC, Nikolina (University of Toronto (CA))

Session Classification: Physics performance et al

Contribution ID: **158**

Type: **not specified**

Luminosity measurements in ATLAS

Wednesday 13 March 2013 17:08 (1h 53m)

Presenter: WEBB, Samuel Nathan (University of Manchester (GB))

Session Classification: Physics performance et al

Contribution ID: **159**

Type: **not specified**

Trigger monitoring in ATLAS

Wednesday 13 March 2013 17:08 (1h 55m)

Presenters: BROST, Elizabeth Caitlin (University of Oregon (US)); CUMMINGS, Jane Theresa (Yale University (US))

Session Classification: Physics performance et al

Contribution ID: **160**

Type: **not specified**

A novel method for an absolute luminosity measurement at LHCb using beam-gas imaging

Wednesday 13 March 2013 17:08 (1h 55m)

Presenter: BARSCHEL, Colin (Rheinisch-Westfaelische Tech. Hoch. (DE))

Session Classification: Physics performance et al

Contribution ID: **161**

Type: **not specified**

Measurement of the jet cross sections at CMS

Wednesday 13 March 2013 17:00 (1h 59m)

Presenter: KAYA, Ozlem (Bogazici University (TR))

Session Classification: Jets and QCD studies