

QCD@LHC 2016

Report of Contributions

Contribution ID: 1

Type: **not specified**

Recent Highlights from the LHC

Monday, August 22, 2016 10:00 AM (45 minutes)

Presenter: CUEVAS MAESTRO, Javier (Universidad de Oviedo)

Session Classification: Plenary

Contribution ID: 2

Type: **not specified**

QCD results from the LHC

Monday, August 22, 2016 10:45 AM (45 minutes)

Presenter: GLAZOV, Alexander (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Plenary

Contribution ID: 3

Type: **not specified**

QCD results: fixed order

Monday, August 22, 2016 12:00 PM (35 minutes)

Presenter: CAOLA, Fabrizio (CERN)

Session Classification: Plenary

Contribution ID: 4

Type: **not specified**

EW corrections

Monday, August 22, 2016 12:35 PM (35 minutes)

Presenter: UCCIRATI, Sandro (INFN - National Institute for Nuclear Physics)

Session Classification: Plenary

Contribution ID: 5

Type: **not specified**

Multiboson results from the LHC

Tuesday, August 23, 2016 9:00 AM (45 minutes)

Presenter: SAVIN, Alexander (UW)

Session Classification: Plenary

Contribution ID: 6

Type: **not specified**

QCD: resummation

Tuesday, August 23, 2016 9:45 AM (35 minutes)

Presenter: MONNI, Pier Francesco (University of Oxford (GB))

Session Classification: Plenary

Contribution ID: 7

Type: **not specified**

SCET

Tuesday, August 23, 2016 11:00 AM (35 minutes)

Presenter: BECHER, Thomas (University of Bern)

Session Classification: Plenary

Contribution ID: 8

Type: **not specified**

Recent LHC results with impact on parton density functions

Tuesday, August 23, 2016 11:35 AM (45 minutes)

Summary

Presenter: MUELLER, Katharina (Universitaet Zuerich (CH))

Session Classification: Plenary

Contribution ID: 9

Type: **not specified**

Review on PDFs

Tuesday, August 23, 2016 12:20 PM (35 minutes)

Presenter: RADESCU, Voica Ana Maria (University of Oxford (GB))

Session Classification: Plenary

Contribution ID: **10**

Type: **not specified**

Top quark results from the LHC

Wednesday, August 24, 2016 9:00 AM (45 minutes)

Summary

Presenter: CASTRO, Nuno Filipe (LIP, University of Minho and University of Porto (PT))

Session Classification: Plenary

Contribution ID: 11

Type: **not specified**

Top theory

Wednesday, August 24, 2016 9:45 AM (35 minutes)

Presenter: FREDERIX, Rikkert (TUM)

Session Classification: Plenary

Contribution ID: 12

Type: **not specified**

Soft QCD and MC generator tuning

Wednesday, August 24, 2016 10:20 AM (45 minutes)

Summary

Presenter: FIELD, Richard Dryden (University of Florida (US))

Session Classification: Plenary

Contribution ID: 13

Type: **not specified**

Event generators

Wednesday, August 24, 2016 11:35 AM (35 minutes)

Presenter: PRESTEL, Stefan

Session Classification: Plenary

Contribution ID: 14

Type: **not specified**

Recent highlights on heavy quarks

Wednesday, August 24, 2016 12:10 PM (45 minutes)

Summary

Presenter: Dr KOPPENBURG, Patrick (Nikhef National institute for subatomic physics (NL))

Session Classification: Plenary

Contribution ID: 15

Type: **not specified**

Bottom theory

Wednesday, August 24, 2016 12:55 PM (35 minutes)

Presenter: ZWICKY, Roman (edinburgh university)

Session Classification: Plenary

Contribution ID: 16

Type: **not specified**

Lattice determination of α_s

Friday, August 26, 2016 9:00 AM (40 minutes)

Presenter: SOMMER, Rainer

Session Classification: Plenary

Contribution ID: 17

Type: **not specified**

Heavy ion results

Thursday, August 25, 2016 9:35 AM (45 minutes)

Summary

Presenter: PEITZMANN, Thomas (Nikhef National institute for subatomic physics (NL))

Session Classification: Plenary

Contribution ID: **18**

Type: **not specified**

High-density QCD

Thursday, August 25, 2016 11:00 AM (35 minutes)

Presenter: BRATKOVSKAYA, Elena (FIAS)

Session Classification: Plenary

Contribution ID: **19**

Type: **not specified**

QCD in Higgs and BSM

Friday, August 26, 2016 9:40 AM (45 minutes)

Presenter: FACINI, Gabriel (University of Chicago (US))

Session Classification: Plenary

Contribution ID: 20

Type: **not specified**

QCD in Higgs physics

Thursday, August 25, 2016 9:00 AM (35 minutes)

Presenter: MISTLBERGER, Bernhard (CERN)

Session Classification: Plenary

Contribution ID: 21

Type: **not specified**

Future facilities

Friday, August 26, 2016 10:25 AM (45 minutes)

Presenter: D'ENTERRIA, David (CERN)

Session Classification: Plenary

Contribution ID: 22

Type: **not specified**

Experimental summary

Friday, August 26, 2016 11:40 AM (40 minutes)

Presenter: RABBERTZ, Klaus (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Plenary

Contribution ID: 23

Type: **not specified**

Theoretical summary

Friday, August 26, 2016 12:20 PM (40 minutes)

Presenter: MELNIKOV, Kirill (Karlsruhe Institute of Technology, Germany)

Session Classification: Plenary

Contribution ID: 24

Type: **not specified**

Updates from NNPDF: fitted charm and NNPDF3.1

Monday, August 22, 2016 3:00 PM (30 minutes)

Presenter: ROJO CHACON, Juan (University of Oxford (GB))

Session Classification: PDFs

Contribution ID: 25

Type: **not specified**

MMHT PDF update - impact of new data

Monday, August 22, 2016 2:30 PM (30 minutes)

Summary

Presenter: THORNE, Robert Samuel (University College London (UK))

Session Classification: PDFs

Contribution ID: 26

Type: **not specified**

Progress in (N)NLO fast calculations for PDF fits

Monday, August 22, 2016 3:30 PM (30 minutes)

Summary

Presenter: SUTTON, Mark (University of Sussex (GB))

Session Classification: PDFs

Contribution ID: 27

Type: **not specified**

Resummation in PDF fits

Monday, August 22, 2016 4:30 PM (30 minutes)

Presenter: BONVINI, Marco (University of Oxford)

Session Classification: PDFs

Contribution ID: 28

Type: **not specified**

ATLAS: PDF sensitive measurements using ratios

Monday, August 22, 2016 5:30 PM (30 minutes)

Summary

Presenter: LOHWASSER, Kristin (Deutsches Elektronen-Synchrotron (DE))

Session Classification: PDFs

Contribution ID: 29

Type: **not specified**

PDF constraints using Vector Bosons at CMS

Monday, August 22, 2016 5:00 PM (30 minutes)

Summary

Presenter: PLACAKYTE, Ringaile

Session Classification: PDFs

Contribution ID: **30**

Type: **not specified**

Overview of the photon PDF

Tuesday, August 23, 2016 2:30 PM (30 minutes)

Presenter: HARLAND-LANG, Lucian (University College London)

Session Classification: PDFs

Contribution ID: 31

Type: **not specified**

ATLAS: high mass Drell-Yan and the photon PDF

Tuesday, August 23, 2016 3:00 PM (30 minutes)

Summary

Presenter: RIZVI, Eram Syed (Queen Mary, University of London)

Session Classification: PDFs

Contribution ID: 32

Type: **not specified**

The impact of the photon PDF on $t\bar{t}$ bar distributions

Tuesday, August 23, 2016 3:30 PM (30 minutes)

Summary

Presenter: PAGANI, Davide

Session Classification: PDFs

Contribution ID: 33

Type: **not specified**

Developments in the xFitter framework

Tuesday, August 23, 2016 4:30 PM (30 minutes)

Presenter: RADESCU, Voica Ana Maria (University of Oxford (GB))

Session Classification: PDFs

Contribution ID: 34

Type: **not specified**

PDFs and Heavy Quark production in the forward region

Tuesday, August 23, 2016 5:00 PM (30 minutes)

Presenter: GAULD, Rhorry (IPPP Durham University)

Session Classification: PDFs

Contribution ID: 35

Type: **not specified**

Charm, bottom and top production in the forward region

Tuesday, August 23, 2016 5:30 PM (30 minutes)

Summary

Presenter: SILVA COUTINHO, Rafael (Universitaet Zuerich (CH))

Session Classification: PDFs

Contribution ID: **36**

Type: **not specified**

Updates from ABM

Thursday, August 25, 2016 2:30 PM (30 minutes)

Presenter: ALEKHIN, Sergey (DESY-Zeuthen)

Session Classification: PDFs

Contribution ID: 37

Type: **not specified**

Recent developments in the CT global analysis

Thursday, August 25, 2016 3:00 PM (30 minutes)

Presenter: STUMP, Daniel (Michigan State University)

Session Classification: PDFs

Contribution ID: **38**

Type: **not specified**

Jets and PDFs with CMS data

Thursday, August 25, 2016 3:30 PM (30 minutes)

Summary

Presenter: VOUTILAINEN, Mikko (University of Helsinki (FI))

Session Classification: PDFs

Contribution ID: 39

Type: **not specified**

PDF fits with $t\bar{t}$ different distributions at NNLO

Thursday, August 25, 2016 4:30 PM (30 minutes)

Presenter: Dr NOCERA, Emanuele Roberto (University of Oxford)

Session Classification: PDFs

Contribution ID: 40

Type: **not specified**

Lattice calculation of parton distributions

Presenter: WEN LIN, Huey-

Session Classification: PDFs

Contribution ID: 41

Type: **not specified**

Top quark mass determination from the energy peaks of b-jets and B-hadrons at NLO QCD

Monday, August 22, 2016 2:30 PM (25 minutes)

Presenter: FRANCESCHINI, Roberto (CERN)

Session Classification: Heavy quarks

Contribution ID: 42

Type: **not specified**

Single top quark production cross section and properties with ATLAS

Monday, August 22, 2016 2:55 PM (25 minutes)

Presenter: STAMM, Soren (Humboldt-Universitaet zu Berlin (DE))

Session Classification: Heavy quarks

Contribution ID: 43

Type: **not specified**

Single top quark production with CMS

Monday, August 22, 2016 3:20 PM (25 minutes)

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

Session Classification: Heavy quarks

Contribution ID: 44

Type: **not specified**

The Matrix Element Method at next-to-leading order QCD for single top-quark production at the LHC

Monday, August 22, 2016 3:45 PM (20 minutes)

Summary

Presenter: MARTINI, Till (HU Berlin)

Session Classification: Heavy quarks

Contribution ID: 45

Type: **not specified**

Top quark pair production in association with a jet with NLO QCD off-shell effects

Monday, August 22, 2016 4:30 PM (20 minutes)

Presenter: HARTANTO, Heribertus Bayu (RWTH Aachen University)

Session Classification: Heavy quarks

Contribution ID: 46

Type: **not specified**

Top quark pair production cross section measurements with CMS

Monday, August 22, 2016 4:50 PM (25 minutes)

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

Session Classification: Heavy quarks

Contribution ID: 47

Type: **not specified**

Top quark pair production and properties with ATLAS

Monday, August 22, 2016 5:15 PM (25 minutes)

Summary

Presenter: LIE, Ki (Univ. Illinois at Urbana-Champaign (US))

Session Classification: Heavy quarks

Contribution ID: 48

Type: **not specified**

Quarkonium production as a probe of double parton scattering at ATLAS

Session Classification: Heavy quarks

Contribution ID: 49

Type: **not specified**

LHCb results on associated production of heavy hadrons

Tuesday, August 23, 2016 2:30 PM (25 minutes)

Presenter: BELYAEV, Ivan (ITEP/MOSCOW)

Session Classification: Heavy quarks

Contribution ID: 50

Type: **not specified**

Measurements of heavy flavour production directly or in association with W and Z bosons with ATLAS

Tuesday, August 23, 2016 2:55 PM (25 minutes)

Summary

Presenters: CHIODINI, Gabriele (INFN Lecce); CHIODINI, Gabriele (Universita del Salento (IT))

Session Classification: Heavy quarks

Contribution ID: 51

Type: **not specified**

Transverse-momentum resummation for heavy-quark production at hadron colliders

Tuesday, August 23, 2016 3:20 PM (25 minutes)

Presenter: SARGSYAN, Hayk (University of Zurich)

Session Classification: Heavy quarks

Contribution ID: 52

Type: **not specified**

LHCb results on b-hadron production and properties

Thursday, August 25, 2016 5:30 PM (25 minutes)

Presenter: NEEDHAM, Matthew David (University of Edinburgh (GB))

Session Classification: Heavy quarks

Contribution ID: 53

Type: **not specified**

LHCb results on baryonic B decays

Tuesday, August 23, 2016 4:40 PM (25 minutes)

Presenter: VOSS, Christian (Universitaet Rostock (DE))

Session Classification: Heavy quarks

Contribution ID: 54

Type: **not specified**

Recent NNLO results on heavy flavor corrections to DIS

Tuesday, August 23, 2016 3:45 PM (25 minutes)

Presenter: Prof. BLUEMLEIN, Johannes (DESY)

Session Classification: Heavy quarks

Contribution ID: 55

Type: **not specified**

Heavy flavour spectroscopy and decays at ATLAS

Session Classification: Heavy quarks

Contribution ID: 56

Type: **not specified**

LHCb results on heavy quark spectroscopy

Tuesday, August 23, 2016 5:05 PM (25 minutes)

Presenter: CRAIK, Daniel Charles (University of Edinburgh (GB))

Session Classification: Heavy quarks

Contribution ID: 57

Type: **not specified**

LHCb results on exotic spectroscopy

Tuesday, August 23, 2016 5:30 PM (25 minutes)

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

Session Classification: Heavy quarks

Contribution ID: 58

Type: **not specified**

Quarkonium and heavy flavour production at ATLAS

Thursday, August 25, 2016 2:30 PM (25 minutes)

Presenter: JONES, Roger (Lancaster University (GB))

Session Classification: Heavy quarks

Contribution ID: 59

Type: **not specified**

Quarkonium cross sections in pp collisions with CMS

Thursday, August 25, 2016 2:55 PM (25 minutes)

Summary

Presenter: KRATSCHMER, Ilse (Austrian Academy of Sciences (AT))

Session Classification: Heavy quarks

Contribution ID: **60**

Type: **not specified**

Quarkonium polarization in pp collisions with CMS

Thursday, August 25, 2016 3:20 PM (25 minutes)

Presenter: SEIXAS, Joao (LIP Laboratorio de Instrumentacao e Fisica Experimental de Part)

Session Classification: Heavy quarks

Contribution ID: 61

Type: **not specified**

A data-driven interpretation of heavy quarkonium measurements at the LHC

Thursday, August 25, 2016 3:45 PM (25 minutes)

Presenter: FACCIOLO, Pietro (LIP and IST, Lisbon)

Session Classification: Heavy quarks

Contribution ID: **62**

Type: **not specified**

Heavy quarkonium physics case for AFTER

Thursday, August 25, 2016 4:40 PM (25 minutes)

Presenter: SHAO, Huasheng (CERN)

Session Classification: Heavy quarks

Contribution ID: 63

Type: **not specified**

Charmonium and bottomonium suppression in PbPb collisions with CMS

Summary

Presenter: CHAPON, Emilien (Centre National de la Recherche Scientifique (FR))

Session Classification: Heavy quarks

Contribution ID: 64

Type: **not specified**

LHCb results and perspectives on heavy-ion physics

Session Classification: Heavy quarks

Contribution ID: 65

Type: **not specified**

Open charm production in pPb and PbPb collisions with CMS

Presenter: INNOCENTI, Gian Michele (Massachusetts Inst. of Technology (US))

Session Classification: Heavy quarks

Contribution ID: 66

Type: **not specified**

Open charm and beauty production in pPb collisions with ALICE

Presenter: JAHNKE, Cristiane (Technische Universitaet Muenchen (DE))

Session Classification: Heavy quarks

Contribution ID: 67

Type: **not specified**

Theory precision for the gluon fusion cross section

Monday, August 22, 2016 2:30 PM (22 minutes)

Presenter: BONVINI, Marco (University of Oxford)

Session Classification: Higgs

Contribution ID: 68

Type: **not specified**

Bosonic SM Higgs decays at ATLAS + CMS

Monday, August 22, 2016 3:00 PM (22 minutes)

Summary

Presenters: HUANG, Yanping (Chinese Academy of Sciences (CN)); HUANG, Yanping (Chinese Academy of Sciences (CN)); HUANG, Yanping (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Higgs

Contribution ID: 69

Type: **not specified**

Fermionic SM Higgs decays at ATLAS + CMS

Monday, August 22, 2016 3:30 PM (22 minutes)

Summary

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

Session Classification: Higgs

Contribution ID: 70

Type: **not specified**

Experimental results on $gg \rightarrow t\bar{t}H$ from ATLAS and CMS

Monday, August 22, 2016 4:30 PM (22 minutes)

Summary

Presenter: THOMAS-WILSKER, Joshuha (Royal Holloway, University of London (GB))

Session Classification: Higgs

Contribution ID: 71

Type: **not specified**

Theory precision for ttH signal and backgrounds

Monday, August 22, 2016 5:00 PM (22 minutes)

Presenters: POZZORINI, Stefano Augusto (Universitaet Zuerich (CH)); POZZORINI, Stefano

Session Classification: Higgs

Contribution ID: 72

Type: **not specified**

Accurate predictions for charged Higgs production for $m_{H^\pm} \sim m_t$

Monday, August 22, 2016 5:30 PM (22 minutes)

Summary

Presenter: FREDERIX, Rikkert (TUM)

Session Classification: Higgs

Contribution ID: 73

Type: **not specified**

Resummation in Higgs physics

Tuesday, August 23, 2016 2:30 PM (22 minutes)

Presenter: ROTHEN, Lorena (University of Bern)

Session Classification: Higgs

Contribution ID: 74

Type: **not specified**

Simplified cross sections

Tuesday, August 23, 2016 3:00 PM (22 minutes)

Presenter: FRANCAVILLA, Paolo (LPNHE and Institute Lagrange de Paris - ILP (FR))

Session Classification: Higgs

Contribution ID: 75

Type: **not specified**

Experimental results on differential Higgs boson cross sections from ATLAS and CMS

Tuesday, August 23, 2016 3:30 PM (22 minutes)

Summary

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

Session Classification: Higgs

Contribution ID: 76

Type: **not specified**

Experimental results on di-photon, ZZ and WW resonances from ATLAS and CMS

Tuesday, August 23, 2016 4:30 PM (22 minutes)

Summary

Presenter: WU, Mengqing (Chinese Academy of Sciences (CN))

Session Classification: Higgs

Contribution ID: 77

Type: **not specified**

Theory predictions for off-shell ZZ and WW production including Higgs boson effects

Tuesday, August 23, 2016 5:00 PM (22 minutes)

Presenter: TANCREDI, Lorenzo (KIT Karlsruhe)

Session Classification: Higgs

Contribution ID: 78

Type: **not specified**

Exploiting jet binning to identify the initial state of high-mass resonances

Tuesday, August 23, 2016 5:30 PM (22 minutes)

Presenter: EBERT, Markus (DESY)

Session Classification: Higgs

Contribution ID: 79

Type: **not specified**

Theory status of bottom-quark associated Higgs production

Thursday, August 25, 2016 2:30 PM (22 minutes)

Presenters: PAPANASTASIOU, Andrew (University of Durham); PAPANASTASIOU, Andrew Sofronis (University of Durham (GB)); PAPANASTASIOU, Andrew Sofronis (Deutsches Elektronen-Synchrotron (DE)); PAPANASTASIOU, Andrew Sofronis (DESY)

Session Classification: Higgs

Contribution ID: 80

Type: **not specified**

Heavy neutral and charged Higgs boson searches in the MSSM and the 2HDM at ATLAS and CMS

Thursday, August 25, 2016 3:00 PM (22 minutes)

Summary

Presenter: VAN ONSEM, Gerrit (Deutsches Elektronen-Synchrotron (DESY))

Session Classification: Higgs

Contribution ID: **81**

Type: **not specified**

Effective Higgs Lagrangian at NLO QCD

Thursday, August 25, 2016 3:30 PM (22 minutes)

Presenter: GAULD, Rhorry (IPPP Durham University)

Session Classification: Higgs

Contribution ID: 82

Type: **not specified**

Experimental results on rare decays of the 125GeV Higgs boson from ATLAS and CMS

Thursday, August 25, 2016 4:30 PM (22 minutes)

Summary

Presenters: ATLAS; GENG, Cong (Univ. of Michigan (US) / Univ. of Science & Tech. of China (CN))

Session Classification: Higgs

Contribution ID: 83

Type: **not specified**

Theory Predictions for Higgs Boson Pair Production

Thursday, August 25, 2016 5:00 PM (22 minutes)

Summary

Presenter: Dr JONES, Stephen (MPI, Munich)

Session Classification: Higgs

Contribution ID: 84

Type: **not specified**

Differential Higgs Boson Pair Production at Next-to-Next-to-Leading Order in QCD

Thursday, August 25, 2016 5:30 PM (22 minutes)

Summary

Presenters: LINDERT, Jonas; LINDERT, Jonas

Session Classification: Higgs

Contribution ID: 85

Type: **not specified**

Precision measurements of inclusive and differential Drell-Yan cross sections with the ATLAS detector

Monday, August 22, 2016 2:30 PM (30 minutes)

Presenter: CAMARDA, Stefano (CERN)

Session Classification: Hard QCD+EW

Contribution ID: 86

Type: **not specified**

Inclusive and differential cross sections of single vector boson production in CMS

Monday, August 22, 2016 3:00 PM (30 minutes)

Presenter: NIU, Xinmei (Massachusetts Inst. of Technology (US))

Session Classification: Hard QCD+EW

Contribution ID: 87

Type: **not specified**

Gauge boson physics in the forward region at LHCb

Monday, August 22, 2016 3:30 PM (20 minutes)

Measurements of the gauge bosons are crucial for testing the present day Standard Model. The fully instrumented coverage of the LHCb detector in the forward region provides a valuable insight in an unexplored kinematic region for proton parton distribution functions through high precision Z^0/W^\pm production and ratio measurements at the available centre-of-mass LHC energies. The currently most precise measurement of the weak mixing angle at a hadron collider using the angular charge asymmetry in the di-muonic decay of Z bosons produced in pp collisions at $\sqrt{s} = 8$ TeV is also presented.

Summary

Presenter: GRECU, Alex (IFIN-HH Bucharest (RO))

Session Classification: Hard QCD+EW

Contribution ID: **88**

Type: **not specified**

Mixed QCD/EW corrections to Drell-Yan processes in the resonance region

Monday, August 22, 2016 3:50 PM (20 minutes)

Presenter: SCHWINN, Christian (RWTH Aachen University)

Session Classification: Hard QCD+EW

Contribution ID: 89

Type: **not specified**

Challenges in W mass measurements with ATLAS and CMS

Monday, August 22, 2016 4:40 PM (30 minutes)

Presenter: CUTH, Jakub (Johannes Gutenberg Universitat Mainz (DE))

Session Classification: Hard QCD+EW

Contribution ID: **90**

Type: **not specified**

Precision measurements at Tevatron (canceled)

Monday, August 22, 2016 5:10 PM (30 minutes)

Summary

Session Classification: Hard QCD+EW

Contribution ID: 91

Type: **not specified**

Precision computation for EW measurements

Monday, August 22, 2016 5:40 PM (20 minutes)

Presenter: VICINI, Alessandro (Università degli Studi e INFN Milano (IT))

Session Classification: Hard QCD+EW

Contribution ID: 92

Type: **not specified**

Measurements of the production of prompt photons, jets and vector bosons + jets in pp collisions with the ATLAS detector

Tuesday, August 23, 2016 2:30 PM (30 minutes)

Summary

Presenter: BOSSIO, Jonathan (Universidad de Buenos Aires (AR))

Session Classification: Hard QCD+EW

Contribution ID: 93

Type: **not specified**

Associated production of vector bosons and jets in CMS

Tuesday, August 23, 2016 3:00 PM (30 minutes)

Presenter: ZHANG, Fengwangdong (Universite Libre de Bruxelles (BE))

Session Classification: Hard QCD+EW

Contribution ID: 94

Type: **not specified**

W/Z + jets and top in LHCb

Tuesday, August 23, 2016 3:30 PM (20 minutes)

Summary

Presenter: HULSBERGEN, Wouter (Nikhef National institute for subatomic physics (NL))

Session Classification: Hard QCD+EW

Contribution ID: 95

Type: **not specified**

Z+jet @ NNLO

Tuesday, August 23, 2016 3:50 PM (20 minutes)

Presenter: Dr HUSS, Alexander (ETH Zurich)

Session Classification: Hard QCD+EW

Contribution ID: 96

Type: **not specified**

Hard QCD and EW results from HERA

Tuesday, August 23, 2016 4:40 PM (30 minutes)

Presenters: BRITZGER, Daniel (Deutsches Elektronen-Synchrotron (DE)); BRITZGER, Daniel (DESY)

Session Classification: Hard QCD+EW

Contribution ID: 97

Type: **not specified**

Inclusive jet and multijet measurements in CMS

Tuesday, August 23, 2016 5:10 PM (30 minutes)

Presenter: Dr VOUTILAINEN, Mikko (University of Helsinki (FI))

Session Classification: Hard QCD+EW

Contribution ID: **98**

Type: **not specified**

QCD JETS @ NNLO

Tuesday, August 23, 2016 5:40 PM (20 minutes)

Presenter: CURRIE, James (University of Durham)

Session Classification: Hard QCD+EW

Contribution ID: 99

Type: **not specified**

Multiboson production and vector boson scattering measurements in CMS

Thursday, August 25, 2016 2:30 PM (30 minutes)

Presenter: SHVETSOV, Ivan (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Hard QCD+EW

Contribution ID: **100**

Type: **not specified**

Recent di-boson measurements from ATLAS

Thursday, August 25, 2016 3:00 PM (30 minutes)

Presenters: DI CIACCIO, Lucia (Centre National de la Recherche Scientifique (FR)); DI CIACCIO, Lucia (Centre National de la Recherche Scientifique (FR))

Session Classification: Hard QCD+EW

Contribution ID: **101**

Type: **not specified**

Fully differential NNLO(+NNLL) computations with MATRIX

Thursday, August 25, 2016 3:30 PM (20 minutes)

Presenter: WIESEMANN, Marius (Universitaet Zuerich (CH))

Session Classification: Hard QCD+EW

Contribution ID: **102**

Type: **not specified**

NLO EW corrections to pp -> W+W- -> 4l at the LHC

Thursday, August 25, 2016 3:50 PM (20 minutes)

Presenter: SALFELDER, Lukas (University of Tuebingen)

Session Classification: Hard QCD+EW

Contribution ID: **103**

Type: **not specified**

LHCb results on central exclusive production

Thursday, August 25, 2016 5:00 PM (20 minutes)

Summary

Presenter: SZUMLAK, Tomasz (AGH University of Science and Technology (PL))

Session Classification: Hard QCD+EW

Contribution ID: **104**

Type: **not specified**

Recent results on VBF, VBS, exclusive WW and tri-boson production from ATLAS

Thursday, August 25, 2016 4:40 PM (20 minutes)

Presenter: ZHANG, Ruiqi (CPPM/USTC)

Session Classification: Hard QCD+EW

Contribution ID: **105**

Type: **not specified**

Vector Boson Scattering: QCD and EW corrections

Thursday, August 25, 2016 5:20 PM (20 minutes)

Presenter: SCHWAN, Christopher (Universität Freiburg)

Session Classification: Hard QCD+EW

Contribution ID: **106**

Type: **not specified**

NLO EW corrections to off-shell top quark pair

Presenter: PELLEN, Mathieu (University Wuerzburg)

Session Classification: Hard QCD+EW

Contribution ID: **107**

Type: **not specified**

Results on minimum bias interactions and underlying event from ATLAS

Monday, August 22, 2016 2:30 PM (25 minutes)

Presenter: SALZBURGER, Andreas (CERN)

Session Classification: Monte Carlo

Contribution ID: **108**

Type: **not specified**

Measurement of underlying events and DPS at CMS

Monday, August 22, 2016 3:00 PM (25 minutes)

Summary

Presenter: MEHTA, Ankita (Panjab University (IN))

Session Classification: Monte Carlo

Contribution ID: **109**

Type: **not specified**

Top quark event modelling and generators in CMS

Monday, August 22, 2016 3:30 PM (25 minutes)

Presenter: YAZGAN, Efe (Ghent University (BE))

Session Classification: Monte Carlo

Contribution ID: 110

Type: **not specified**

Impact of LHCb results on the tuning of Monte Carlo generators

Monday, August 22, 2016 4:30 PM (25 minutes)

Presenter: GRECU, Alex (IFIN-HH Bucharest (RO))

Session Classification: Monte Carlo

Contribution ID: 111

Type: **not specified**

Introduction to informal discussion

Monday, August 22, 2016 5:00 PM (10 minutes)

Presenter: FIELD, Richard Dryden (University of Florida (US))

Session Classification: Monte Carlo

Contribution ID: 112

Type: **not specified**

Informal discussion

Monday, August 22, 2016 5:10 PM (40 minutes)

Session Classification: Monte Carlo

Contribution ID: 113

Type: **not specified**

Measurements of the elastic, inelastic and total pp cross section with the ATLAS detector

Tuesday, August 23, 2016 2:30 PM (25 minutes)

Presenter: HILLER, Karlheinz (Deutsches Elektronen-Synchrotron Campus Zeuthen (DE))

Session Classification: Monte Carlo

Contribution ID: 114

Type: **not specified**

Herwig 7: overview and recent developments

Tuesday, August 23, 2016 3:00 PM (25 minutes)

Presenter: SIODMOK, Andrzej Konrad (CERN)

Session Classification: Monte Carlo

Contribution ID: 115

Type: **not specified**

Sherpa: overview and recent developments

Tuesday, August 23, 2016 3:30 PM (25 minutes)

Presenter: SCHOENHERR, Marek (Universitaet Zuerich (CH))

Session Classification: Monte Carlo

Contribution ID: 116

Type: **not specified**

Vincia recent developments (+ Pythia8 overview)

Tuesday, August 23, 2016 4:30 PM (25 minutes)

Summary

Presenter: FISCHER, Nadine (Monash University)

Session Classification: Monte Carlo

Contribution ID: 117

Type: **not specified**

Resonance-aware NLOPS (MC@NLO)

Tuesday, August 23, 2016 5:00 PM (20 minutes)

Presenter: TORRIELLI, Paolo (Universita e INFN Torino (IT))

Session Classification: Monte Carlo

Contribution ID: 118

Type: **not specified**

Resonance-aware NLOPS in POWHEG for top-pair and single-top physics

Tuesday, August 23, 2016 5:25 PM (20 minutes)

Summary

Presenter: LINDERT, Jonas

Session Classification: Monte Carlo

Contribution ID: **119**

Type: **not specified**

MINLO

Thursday, August 25, 2016 2:30 PM (20 minutes)

Presenter: HAMILTON, Keith (University College London (GB))

Session Classification: Monte Carlo

Contribution ID: **120**

Type: **not specified**

Geneva

Thursday, August 25, 2016 2:55 PM (20 minutes)

Presenter: BAUER, Christian

Session Classification: Monte Carlo

Contribution ID: 121

Type: **not specified**

Threshold logarithms in a parton shower

Thursday, August 25, 2016 3:20 PM (20 minutes)

Summary

Presenter: NAGY, Zoltan

Session Classification: Monte Carlo

Contribution ID: 122

Type: **not specified**

Recent developments in High Energy Jets (HEJ)

Thursday, August 25, 2016 3:45 PM (20 minutes)

Summary

Presenter: SMILLIE, Jennifer (University of Edinburgh)

Session Classification: Monte Carlo

Contribution ID: 123

Type: **not specified**

NLOPS with KrKNLO

Thursday, August 25, 2016 4:40 PM (20 minutes)

Presenter: SIODMOK, Andrzej Konrad (CERN)

Session Classification: Monte Carlo

Contribution ID: 124

Type: **not specified**

EW and mixed EW+QCD uncertainties in the W boson mass measurement

Thursday, August 25, 2016 5:05 PM (20 minutes)

Summary

Presenter: MARTINEZ BRUZUAL, Homero (Universita e INFN (IT))

Session Classification: Monte Carlo

Contribution ID: 125

Type: **not specified**

The LPM effect in sequential gluon bremsstrahlung

Thursday, August 25, 2016 5:30 PM (20 minutes)

Summary

Presenter: IQBAL, Shahin (University of Virginia)

Session Classification: Monte Carlo

Contribution ID: 126

Type: **not specified**

Determination of α_s in a fit to inclusive jet data from multiple experiments

Thursday, August 25, 2016 11:40 AM (20 minutes)

Summary

Presenter: SAVOIU, Daniel (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Hard QCD+EW

Contribution ID: 127

Type: **not specified**

Multi-leg scattering amplitudes for LHC phenomenology: modern tools and methods

Thursday, August 25, 2016 12:20 PM (20 minutes)

Presenter: PERARO, Tiziano

Session Classification: Hard QCD+EW

Contribution ID: 128

Type: **not specified**

The pentabox master integrals with the simplified differential equations approach

Thursday, August 25, 2016 12:40 PM (20 minutes)

Presenter: PAPADOPOULOS, Konstantinos (Nat. Cent. for Sci. Res. Demokritos (GR))

Session Classification: Hard QCD+EW

Contribution ID: 129

Type: **not specified**

NNLL soft and Coulomb threshold resummation for squark and gluino production at the LHC

Thursday, August 25, 2016 5:40 PM (20 minutes)

Presenter: WEVER, Chris (Karlsruhe Institute of Technology)

Session Classification: Hard QCD+EW

Contribution ID: 130

Type: **not specified**

Open charm production in pPb and PbPb collisions with CMS

Thursday, August 25, 2016 11:35 AM (20 minutes)

Presenter: INNOCENTI, Gian Michele (Massachusetts Inst. of Technology (US))

Session Classification: Heavy quarks

Contribution ID: 131

Type: **not specified**

LHCb results and perspectives on heavy-ion physics

Thursday, August 25, 2016 11:55 AM (20 minutes)

Summary

Presenter: SCHMIDT, Burkhard (CERN)

Session Classification: Heavy quarks

Contribution ID: 132

Type: **not specified**

Charmonium and bottomonium suppression in PbPb collisions with CMS

Thursday, August 25, 2016 12:15 PM (20 minutes)

Summary

Presenter: CHAPON, Emilien (Centre National de la Recherche Scientifique (FR))

Session Classification: Heavy quarks

Contribution ID: 133

Type: **not specified**

Open heavy-flavour production in pp, p-Pb and Pb-Pb collisions with ALICE

Thursday, August 25, 2016 12:35 PM (25 minutes)

Summary

Presenter: JAHNKE, Cristiane (Technische Universitaet Muenchen (DE))

Session Classification: Heavy quarks

Contribution ID: 134

Type: **not specified**

Quarkonium production as a probe of double parton scattering at ATLAS

Thursday, August 25, 2016 5:05 PM (25 minutes)

Summary

Presenter: BERTSCHE, David Edwin (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Heavy quarks

Contribution ID: 135

Type: **not specified**

NLO EW corrections to off-shell top quark pair production

Monday, August 22, 2016 5:40 PM (20 minutes)

Presenter: PELLEN, Mathieu (University Wuerzburg)

Session Classification: Heavy quarks

Contribution ID: 136

Type: **not specified**

Three-jet event shapes at high precision: old and new

Thursday, August 25, 2016 12:00 PM (20 minutes)

Presenter: TROCSANYI, Zoltan Laszlo (University of Debrecen (HU))

Session Classification: Hard QCD+EW

Contribution ID: 137

Type: **not specified**

Welcome address by the dean of the faculty of science

Monday, August 22, 2016 9:50 AM (10 minutes)

Summary

Presenter: SCHAEPMAN, Michael (Universität Zürich)

Session Classification: Plenary