

**QCD@LHC 2012**

# **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Breaking News from the LHC

*Monday 20 August 2012 09:00 (40 minutes)*

**Presenter:** Dr DE ROECK, Albert (CERN)

**Session Classification:** Opening Session

Contribution ID: 1

Type: **not specified**

## PDF Benchmark Review

*Monday 20 August 2012 09:40 (30 minutes)*

**Presenter:** ROJO CHACON, Juan (CERN)

**Session Classification:** Opening Session

Contribution ID: 2

Type: **not specified**

## **W Mass at the Tevatron and LHC**

*Monday 20 August 2012 10:10 (30 minutes)*

**Presenter:** KOTWAL, Ashutosh (Duke University)

**Session Classification:** Opening Session

Contribution ID: 3

Type: **not specified**

## Progress in the Inclusive NNLO jet cross section

*Monday 20 August 2012 11:00 (30 minutes)*

**Presenter:** Prof. GEHRMANN, Thomas (University of Zurich)

**Session Classification:** Jet Production

Contribution ID: 4

Type: **not specified**

## Jet Production at the Tevatron

*Monday 20 August 2012 11:30 (30 minutes)*

**Presenter:** Prof. WOBISCH, Markus (Louisiana Tech University)

**Session Classification:** Jet Production

Contribution ID: 5

Type: **not specified**

## Jet Production at the LHC

*Monday 20 August 2012 12:00 (30 minutes)*

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

**Session Classification:** Jet Production

Contribution ID: 6

Type: **not specified**

## Progress and Challenges in Jet Substructure

*Monday 20 August 2012 14:00 (30 minutes)*

**Presenter:** VERMILION, Christopher (University of Louisville)

**Session Classification:** Jet Substructure

Contribution ID: 7

Type: **not specified**

## Jet Shapes/Substructure Tools in ATLAS

*Monday 20 August 2012 14:30 (30 minutes)*

**Presenter:** MILLER, David (University of Chicago (US))

**Session Classification:** Jet Substructure

Contribution ID: 8

Type: **not specified**

## Jet Shapes/Substructure Tools in CMS

*Monday 20 August 2012 15:00 (30 minutes)*

**Presenter:** LOPES-PEGNA, David (Princeton University (US))

**Session Classification:** Jet Substructure

Contribution ID: 9

Type: **not specified**

## Tagging Top Quark Events by Shower Deconstruction

*Monday 20 August 2012 16:00 (30 minutes)*

**Presenter:** Prof. SOPER, Davison (U. Oregon)

**Session Classification:** W/Z Production and PDFs

Contribution ID: **10**

Type: **not specified**

## W/Z Production in ATLAS

*Monday 20 August 2012 16:30 (30 minutes)*

**Presenter:** BARREIRO GUIMARAES DA COSTA, Joao (Harvard University (US))

**Session Classification:** W/Z Production and PDFs

Contribution ID: **11**

Type: **not specified**

## W/Z Production in CMS

*Monday 20 August 2012 17:00 (30 minutes)*

**Presenter:** BERRYHILL, Jeffrey (Fermi National Accelerator Lab. (US))

**Session Classification:** W/Z Production and PDFs

Contribution ID: 12

Type: **not specified**

## Measurements with Electroweak Bosons at LHCb

*Monday 20 August 2012 17:30 (30 minutes)*

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

**Session Classification:** W/Z Production and PDFs

Contribution ID: 13

Type: **not specified**

## Blackhat+Sherpa

*Tuesday 21 August 2012 09:00 (30 minutes)*

**Presenter:** Dr OZEREN, Kemal (UCLA)

**Session Classification:** W/Z+Jets

Contribution ID: 14

Type: **not specified**

## W/Z+Jets at the Tevatron

*Tuesday 21 August 2012 09:30 (30 minutes)*

**Presenter:** LAMMERS, Sabine Wedam (Indiana University (US))

**Session Classification:** W/Z+Jets

Contribution ID: 15

Type: **not specified**

## W/Z+jets at the LHC

*Tuesday 21 August 2012 10:00 (30 minutes)*

**Presenter:** MISHRA, Kalanand (Fermi National Accelerator Lab. (US))

**Session Classification:** W/Z+Jets

Contribution ID: **16**

Type: **not specified**

## Diphoton Theory

*Tuesday 21 August 2012 11:00 (30 minutes)*

**Presenter:** DE FLORIAN, Daniel (Universidad de Buenos Aires)

**Session Classification:** Photons

Contribution ID: 17

Type: **not specified**

## Photons/Diphotons at the Tevatron

*Tuesday 21 August 2012 11:30 (30 minutes)*

**Presenter:** VELLIDIS, Konstantinos (Fermilab)

**Session Classification:** Photons

Contribution ID: **18**

Type: **not specified**

## Photons/Diphotons at ATLAS

*Tuesday 21 August 2012 14:00 (30 minutes)*

**Presenter:** CARMINATI, Leonardo (INFN Sezione di Milano (INFN))

**Session Classification:** Photons

Contribution ID: **19**

Type: **not specified**

## Photons/Diphotons at CMS

*Tuesday 21 August 2012 14:30 (30 minutes)*

**Presenter:** CHETLURU, Vasundhara (Fermi National Accelerator Lab. (US))

**Session Classification:** Photons

Contribution ID: 20

Type: **not specified**

## Constraining the Gluon Using Photon Data

*Tuesday 21 August 2012 12:00 (30 minutes)*

**Presenter:** D'ENTERRIA, David (CERN)

**Session Classification:** Photons

Contribution ID: **21**

Type: **not specified**

## Powheg

*Tuesday 21 August 2012 15:00 (30 minutes)*

**Presenter:** NASON, Paolo (Unknown)

**Session Classification:** Photons

Contribution ID: 22

Type: **not specified**

## aMC@NLO

*Tuesday 21 August 2012 16:00 (30 minutes)*

**Presenter:** ZARO, Marco (Center for Particle Physics and Phenomenology)

**Session Classification:** Monte Carlos

Contribution ID: 23

Type: **not specified**

## Sherpa

*Tuesday 21 August 2012 16:30 (30 minutes)*

**Presenter:** SCHOENHERR, Marek (University of Durham)

**Session Classification:** Monte Carlos

Contribution ID: 24

Type: **not specified**

## CKKW-L

*Tuesday 21 August 2012 17:00 (30 minutes)*

**Presenter:** PRESTEL, Stefan (Lund University (SE))

**Session Classification:** Monte Carlos

Contribution ID: 25

Type: **not specified**

## ABM

*Wednesday 22 August 2012 16:00 (20 minutes)*

**Presenters:** ALEKHIN, Sergey; MOCH, Sven-Olaf (DESY)

**Session Classification:** Presentation from PDF groups

Contribution ID: 26

Type: **not specified**

## CTEQ

*Wednesday 22 August 2012 16:20 (20 minutes)*

**Presenter:** Prof. STUMP, Dan (Michigan State University)

**Session Classification:** Presentation from PDF groups

Contribution ID: 27

Type: **not specified**

**JR**

*Wednesday 22 August 2012 17:00 (20 minutes)*

**Presenter:** JIMENEZ-DELGADO, Pedro (Jefferson Lab)

**Session Classification:** Presentation from PDF groups

Contribution ID: **28**

Type: **not specified**

## HERAPDF

*Wednesday 22 August 2012 16:40 (20 minutes)*

**Presenter:** Prof. COOPER-SARKAR, Mandy (Oxford University)

**Session Classification:** Presentation from PDF groups

Contribution ID: **29**

Type: **not specified**

## NNPDF

*Wednesday 22 August 2012 17:20 (20 minutes)*

**Presenter:** Dr GUFFANTI, Alberto (Niels Bohr Institute)

**Session Classification:** Presentation from PDF groups

Contribution ID: 30

Type: **not specified**

## Review of alpha\_s

*Wednesday 22 August 2012 09:00 (30 minutes)*

**Presenter:** BETHKE, Siegfried (Max-Planck-Institut fuer Physik (Werner-Heisenberg-Institut) (D))

**Session Classification:** PDFs

Contribution ID: **31**

Type: **not specified**

## **Nuclear PDFs**

*Wednesday 22 August 2012 09:30 (30 minutes)*

**Presenter:** OLNESS, Fred (Southern Methodist University (US))

**Session Classification:** PDFs

Contribution ID: 32

Type: **not specified**

## **CJ PDFs and Impact of Nuclear Corrections on d/u**

*Wednesday 22 August 2012 10:00 (30 minutes)*

**Presenter:** ACCARDI, Alberto (Jefferson Lab)

**Session Classification:** PDFs

Contribution ID: 33

Type: **not specified**

## QCD Review from LHCb

*Wednesday 22 August 2012 11:00 (30 minutes)*

**Presenter:** COCO, Victor (NIKHEF (NL))

**Session Classification:** Heavy Flavor

Contribution ID: 34

Type: **not specified**

## Heavy Flavor from ATLAS and CMS

*Wednesday 22 August 2012 11:30 (30 minutes)*

**Presenter:** SALZBURGER, Andreas (CERN)

**Session Classification:** Heavy Flavor

Contribution ID: 35

Type: **not specified**

## Top at NNLO

*Wednesday 22 August 2012 12:00 (30 minutes)*

**Presenter:** MITOV, Alexander Dimitrov (CERN)

**Session Classification:** Heavy Flavor

Contribution ID: 36

Type: **not specified**

## $t\bar{t}$ Asymmetry Theory

*Wednesday 22 August 2012 14:00 (30 minutes)*

**Presenter:** ELLIS, Richard Keith (Fermi National Accelerator Lab. (US))

**Session Classification:** Top

Contribution ID: 37

Type: **not specified**

## Top at the Tevatron

*Wednesday 22 August 2012 14:30 (30 minutes)*

**Presenter:** AMIDEI, DAMIDEI (University of Michigan (US))

**Session Classification:** Top

Contribution ID: **38**

Type: **not specified**

## Top at the LHC

*Wednesday 22 August 2012 15:00 (30 minutes)*

**Presenter:** SCHILLING, Frank-Peter (KIT - Karlsruhe Institute of Technology (DE))

**Session Classification:** Top

Contribution ID: 39

Type: **not specified**

## fastNLO

*Thursday 23 August 2012 09:00 (30 minutes)*

**Presenter:** Dr BRITZGER, Daniel

**Session Classification:** Tools for PDFs

Contribution ID: **40**

Type: **not specified**

## Applgrid

*Thursday 23 August 2012 09:30 (30 minutes)*

**Presenter:** STAROVOITOV, Pavel (Deutsches Elektronen-Synchrotron (DE))

**Session Classification:** Tools for PDFs

Contribution ID: 41

Type: **not specified**

## MEKS

*Thursday 23 August 2012 10:00 (30 minutes)*

**Presenter:** Prof. NADOLSKY, Pavel (Southern Methodist University)

**Session Classification:** Tools for PDFs

Contribution ID: 42

Type: **not specified**

## Resummation

**Presenter:** Prof. STERMAN, George

Contribution ID: 43

Type: **not specified**

## Jet Vetoes

*Thursday 23 August 2012 11:00 (30 minutes)*

**Presenter:** STEWART, Iain (MIT)

**Session Classification:** Resummation

Contribution ID: 44

Type: **not specified**

## Resummation of Jet Vetoes

*Thursday 23 August 2012 11:30 (30 minutes)*

**Presenter:** MONNI, Pier Francesco (ITP, UZH Zuerich)

**Session Classification:** Resummation

Contribution ID: 45

Type: **not specified**

## Electroweak Corrections

*Thursday 23 August 2012 12:00 (30 minutes)*

**Presenter:** Prof. WACKEROTH, Doreen (SUNY Buffalo)

**Session Classification:** Resummation

Contribution ID: 46

Type: **not specified**

## Recent Results on 3-loop Wilson Coefficients

*Thursday 23 August 2012 14:00 (30 minutes)*

**Presenter:** Prof. BLUEMLEIN, Johannes

**Session Classification:** EWK/PDFs

Contribution ID: 47

Type: **not specified**

## Experimental Systematic Errors

*Thursday 23 August 2012 14:30 (30 minutes)*

**Presenter:** STAROVOITOV, Pavel (Deutsches Elektronen-Synchrotron (DE))

**Session Classification:** EWK/PDFs

Contribution ID: 48

Type: **not specified**

## PDF Treatment of Systematic Errors

*Thursday 23 August 2012 15:00 (30 minutes)*

**Presenter:** Prof. NADOLSKY, Pavel (Southern Methodist University)

**Session Classification:** EWK/PDFs

Contribution ID: 49

Type: **not specified**

## Studies of PDF Parameterization Uncertainties

*Thursday 23 August 2012 16:00 (30 minutes)*

**Presenter:** Dr RADESCU, Voica

**Session Classification:** Monte Carlo tuning

Contribution ID: 50

Type: **not specified**

## Double Parton Scattering

*Thursday 23 August 2012 16:30 (30 minutes)*

**Presenter:** BANDURIN, Dmitry (Florida State University (US))

**Session Classification:** Monte Carlo tuning

Contribution ID: 51

Type: **not specified**

## Monte Carlo tunings and PDFs

*Thursday 23 August 2012 17:00 (30 minutes)*

**Presenter:** Dr KATZY, Judith (DESY, HAMBURG)

**Session Classification:** Monte Carlo tuning

Contribution ID: 52

Type: **not specified**

# The Energy Dependence of the Underlying Event in Hadronic Collisions

*Thursday 23 August 2012 17:30 (30 minutes)*

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

**Session Classification:** Monte Carlo tuning

Contribution ID: 53

Type: **not specified**

## PDF summary

*Friday 24 August 2012 09:00 (30 minutes)*

...given for the PDF conveners Pedro Jiminez-Delgado, Albert de Roeck, Sasha Glazov, Pavel Nadolsky

**Presenter:** JIMENEZ-DELGADO, Pedro (Jefferson Lab)

**Session Classification:** Summary Session

Contribution ID: 54

Type: **not specified**

## Hard QCD Summary

*Friday 24 August 2012 09:30 (30 minutes)*

...given for the hard QCD conveners John Campbell, Bruce Mellado and Nikos Varelas

**Presenter:** Prof. HUSTON, Joey (Michigan State University (US))

**Session Classification:** Summary Session

Contribution ID: 55

Type: **not specified**

## Status of QCD at the LHC

*Friday 24 August 2012 10:00 (30 minutes)*

**Presenter:** Prof. SOPER, Davison (U. Oregon)

**Session Classification:** Summary Session

Contribution ID: 56

Type: **not specified**

## HERAfitter tutorial/discussion

*Friday 24 August 2012 11:00 (1h 30m)*

**Presenter:** PLACAKYTE, Ringaile (Deutsches Elektronen-Synchrotron (DE))

**Session Classification:** HERAfitter tutorial/discussion