

**SM@LHC**

# **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## PDFs and the impact of LHC data

*Tuesday, 12 April 2011 16:30 (40 minutes)*

**Primary author:** FORTE, Stefano (Milan)

**Presenter:** FORTE, Stefano (Milan)

**Session Classification:** QCD theory

Contribution ID: **1**

Type: **not specified**

# Top physics for the LHC

*Tuesday, 12 April 2011 17:10 (30 minutes)*

**Primary author:** SIGNER, Adrian (IPPP)

**Presenter:** SIGNER, Adrian (IPPP)

**Session Classification:** QCD theory

Contribution ID: 2

Type: **not specified**

## Modelling Minimum Bias and the Underlying Event

Contribution ID: 3

Type: **not specified**

## Event shapes in hadronic collisions

*Tuesday, 12 April 2011 17:40 (30 minutes)***Primary author:** BANFI, Andrea (ETH Zurich)**Presenter:** BANFI, Andrea (ETH Zurich)**Session Classification:** QCD theory

Contribution ID: 4

Type: **not specified**

## Progress in multi-leg calculations

*Tuesday, 12 April 2011 14:00 (40 minutes)***Primary author:** MAITRE, Daniel (IPPP & CERN)**Presenter:** MAITRE, Daniel (IPPP & CERN)**Session Classification:** Precision calculations

Contribution ID: 5

Type: **not specified**

## Progress in NNLO and multi-loop calculations

*Tuesday, 12 April 2011 14:40 (40 minutes)***Primary author:** GRAZZINI, Massimiliano (Zurich)**Presenter:** GRAZZINI, Massimiliano (Zurich)**Session Classification:** Precision calculations

Contribution ID: 6

Type: **not specified**

# Electroweak precision physics at the LHC

*Tuesday, 12 April 2011 15:20 (40 minutes)***Primary author:** MUECK, Alexander (Aachen)**Presenter:** MUECK, Alexander (Aachen)**Session Classification:** Precision calculations



Contribution ID: 7

Type: **not specified**

## Inclusive jet cross section in Atlas

*Monday, 11 April 2011 09:00 (30 minutes)***Presenter:** STAROVOITOV, Pavel (Minsk)**Session Classification:** Hard QCD at the LHC

Contribution ID: 8

Type: **not specified**

## Inclusive jet cross section in CMS

Contribution ID: 9

Type: **not specified**

## Other jet measurements in Atlas

*Monday, 11 April 2011 09:30 (30 minutes)***Presenter:** BEGEL, Michael (BNL)**Session Classification:** Hard QCD at the LHC

Contribution ID: **10**Type: **not specified**

## Other jet measurements in CMS

Contribution ID: **11**

Type: **not specified**

## Future jet physics at the LHC

*Monday, 11 April 2011 11:30 (30 minutes)*

**Presenter:** LI, Haifeng (Wisconsin)

**Session Classification:** Hard QCD at the LHC

Contribution ID: 12

Type: **not specified**

## Top quark measurements at Atlas

*Monday, 11 April 2011 12:00 (30 minutes)***Presenter:** UCHIDA, Kirika (Bonn)**Session Classification:** Hard QCD at the LHC

Contribution ID: 13

Type: **not specified**

## Top quark measurements at CMS

*Monday, 11 April 2011 12:30 (30 minutes)***Presenter:** CHADWICK, Matthew (Brunel)**Session Classification:** Hard QCD at the LHC

Contribution ID: **14**

Type: **not specified**

## Coffee break

*Monday, 11 April 2011 11:00 (30 minutes)*

**Session Classification:** Hard QCD at the LHC



Contribution ID: 15

Type: **not specified**

## **Inclusive W/Z cross sections and the W charge asymmetry at LHC (Atlas and CMS)**

*Wednesday, 13 April 2011 14:00 (35 minutes)***Presenter:** KLEIN, Uta (Liverpool)**Session Classification:** V (+jets)

Contribution ID: 16

Type: **not specified**

## Results on diboson production from the LHC

*Wednesday, 13 April 2011 14:35 (35 minutes)***Presenter:** GAO, Yanyan (Fermilab)**Session Classification:** V (+jets)

Contribution ID: 17

Type: **not specified**

## V+jets at the Tevatron

*Wednesday, 13 April 2011 15:10 (1 hour)***Presenter:** CAMARDA, Stefano (IFAE Barcelona)**Session Classification:** V (+jets)

Contribution ID: 18

Type: **not specified**

## Results on V+jet production in ATLAS

*Wednesday, 13 April 2011 16:40 (35 minutes)***Presenter:** DOBSON, Ellie (CERN)**Session Classification:** V (+jets)

Contribution ID: **19**

Type: **not specified**

## **Results on V+jet production in CMS**

*Wednesday, 13 April 2011 17:15 (45 minutes)*

**Presenter:** VANELDEREN, Lukas (Ghent)

**Session Classification:** V (+jets)

Contribution ID: 20

Type: **not specified**

# V+jet production as a background for searches in ATLAS

*Wednesday, 13 April 2011 18:00 (35 minutes)***Presenter:** D'ONOFRIO, Monica (Liverpool)**Session Classification:** V (+jets)

Contribution ID: 21

Type: **not specified**

## **V+jet production as a background for searches in CMS**

Contribution ID: 22

Type: **not specified**

## Exclusive onia production in pp collisions

*Wednesday, 13 April 2011 09:00 (30 minutes)***Presenter:** MCNULTY, Ronan (Dublin)**Session Classification:** Flavour @ LHC



Contribution ID: 23

Type: **not specified**

## Review of LHC results on B and D production

*Wednesday, 13 April 2011 09:40 (30 minutes)***Presenter:** BOUHOVA-THACKER, Eva (Lancaster)**Session Classification:** Flavour @ LHC

Contribution ID: 24

Type: **not specified**

## Review of LHC results on onia

*Wednesday, 13 April 2011 10:10 (30 minutes)*

**Presenter:** COCCARO, Andrea (Genova)

**Session Classification:** Flavour @ LHC

Contribution ID: 25

Type: **not specified**

## **B decays: Theoretical overview and challenges for the LHC**

*Wednesday, 13 April 2011 11:00 (40 minutes)***Presenter:** FELDMANN, Thorsten (IPPP)**Session Classification:** Flavour @ LHC

Contribution ID: 26

Type: **not specified**

## Rare B decays at the LHC

*Wednesday, 13 April 2011 11:40 (30 minutes)*

**Presenter:** ELSASSER, Christian

**Session Classification:** Flavour @ LHC

Contribution ID: 27

Type: **not specified**

## B oscillations and CP violation at the LHC

*Wednesday, 13 April 2011 12:10 (30 minutes)***Presenter:** BRAMBACH, Tobias (Dortmund)**Session Classification:** Flavour @ LHC

Contribution ID: 28

Type: **not specified**

## Jet measurements with CMS

*Monday, 11 April 2011 10:00 (1 hour)***Presenter:** OEHLER, Andreas (Karlsruhe)**Session Classification:** Hard QCD at the LHC

Contribution ID: 29

Type: **not specified**

# Phenomenology of and models for Minimum Bias and the Underlying Event

*Monday, 11 April 2011 14:30 (35 minutes)***Presenter:** SEYMOUR, Mike (Manchester)**Session Classification:** Soft QCD

Contribution ID: 30

Type: **not specified**

## Particle correlations

*Monday, 11 April 2011 15:40 (35 minutes)***Presenter:** PERROZZI, Luca (Padova)**Session Classification:** Soft QCD



Contribution ID: 31

Type: **not specified**

## Measurement of the underlying event at the LHC

*Monday, 11 April 2011 15:05 (35 minutes)***Presenter:** BUCKLEY, Andy (Edinburgh)**Session Classification:** Soft QCD

Contribution ID: 32

Type: **not specified**

## Particle production at LHCb

Contribution ID: 33

Type: **not specified**

## Particle production at Alice

Contribution ID: 34

Type: **not specified**

## Diffraction and all that

*Monday, 11 April 2011 17:20 (35 minutes)*

**Presenter:** KHOZE, Valery (IPPP)

**Session Classification:** Soft QCD

Contribution ID: 35

Type: **not specified**

## Particle production studies at the LHC

*Monday, 11 April 2011 16:45 (35 minutes)***Presenter:** POWELL, Andrew (Oxford)**Session Classification:** Soft QCD

Contribution ID: 36

Type: **not specified**

## Diffraction studies at the LHC

*Monday, 11 April 2011 17:55 (35 minutes)*

**Presenter:** REVOL, Jean-Pierre

**Session Classification:** Soft QCD

Contribution ID: 37

Type: **not specified**

## Recent Developments in SHERPA

**Primary author:** Dr SIEGERT, Frank

Contribution ID: **38**

Type: **not specified**

## Recent Developments in SHERPA



Contribution ID: 39

Type: **not specified**

## Recent Developments in SHERPA

*Tuesday, 12 April 2011 09:00 (35 minutes)*

**Primary author:** Dr SIEGERT, Frank

**Presenter:** SIEGERT, Frank (Freiburg)

**Session Classification:** Monte Carlo

Contribution ID: 40

Type: **not specified**

## Recent Developments in Herwig++

*Tuesday, 12 April 2011 09:35 (35 minutes)*

**Presenter:** SEYMOUR, Mike (Manchester)

**Session Classification:** Monte Carlo

Contribution ID: 41

Type: **not specified**

## Recent Developments in the POWHEG Box

*Tuesday, 12 April 2011 10:10 (35 minutes)***Primary author:** Dr RE, Emanuele**Presenter:** RE, Emanuele (IPPP Durham)**Session Classification:** Monte Carlo

Contribution ID: 42

Type: **not specified**

## Recent Developments in Rivet

*Tuesday, 12 April 2011 11:15 (35 minutes)*

**Primary author:** Dr HOETH, Hendrik

**Presenter:** HOETH, Hendrik (IPPP Durham)

**Session Classification:** Monte Carlo

Contribution ID: 43

Type: **not specified**

## Discussion

*Tuesday, 12 April 2011 11:50 (40 minutes)*

**Session Classification:** Monte Carlo

Contribution ID: 44

Type: **not specified**

## Summary talks

*Thursday, 14 April 2011 09:00 (3 hours)*

**Session Classification:** Wrap-up