

**Perturbative higher-order  
effects at work at the LHC -  
HO10**

**Report of Contributions**

Contribution ID: 0

Type: **not specified**

## **New techniques for NLO calculations**

*Monday 21 June 2010 14:30 (1 hour)*

**Presenter:** KUNSZT, Zoltan (ETH Zurich)

Contribution ID: 1

Type: **not specified**

# Hard scattering and electroweak corrections at the LHC

*Tuesday 22 June 2010 10:00 (30 minutes)*

**Presenter:** KUEHN, Johann (Inst. f. Theor. Teilchenphysik, KIT)

Contribution ID: 2

Type: **not specified**

## Overview of electroweak corrections for LHC processes

*Tuesday 22 June 2010 10:30 (30 minutes)*

**Presenter:** PICCININI, Fulvio (INFN Pavia)

Contribution ID: 3

Type: **not specified**

## **Recent Advances in Precision QCD for the LHC**

*Wednesday 23 June 2010 14:00 (1 hour)*

**Presenter:** DIXON, Lance (SLAC)

Contribution ID: 4

Type: **not specified**

## **GOLEM: Status and Progress**

*Thursday 24 June 2010 15:00 (30 minutes)*

**Presenter:** REITER, Thomas (Nikhef)

Contribution ID: 5

Type: **not specified**

# Processing one-loop virtual corrections with SAMURAI

*Thursday 24 June 2010 14:30 (30 minutes)*

**Presenter:** TRAMONTANO, Francesco (CERN)

Contribution ID: 6

Type: **not specified**

## **Recent news and results in the computation of NLO processes with non standard techniques**

*Friday 25 June 2010 14:30 (30 minutes)*

**Presenter:** PITTAU, Roberto (University of Granada)



Contribution ID: 7

Type: **not specified**

## Recent progress in NNLO calculations

*Friday 25 June 2010 15:00 (30 minutes)*

**Presenter:** WEINZIERL, Stefan (Mainz University)

Contribution ID: **8**

Type: **not specified**

## **Vector Boson + Jets at NLO with BlackHat & Sherpa**

*Monday 28 June 2010 15:00 (30 minutes)*

**Presenter:** ITA, Harald (UCLA)

Contribution ID: 9

Type: **not specified**

## **Numerical calculation of colour-dressed amplitudes at the one-loop level**

*Wednesday 30 June 2010 11:30 (30 minutes)*

**Presenter:** WINTER, Jan (FNAL)

Contribution ID: **10**

Type: **not specified**

# **Top Quark Physics with D-dimensional generalized unitarity**

*Tuesday 29 June 2010 10:30 (30 minutes)*

**Presenter:** SCHULZE, Markus (Johns Hopkins University)

Contribution ID: 11

Type: **not specified**

## **NLO QCD corrections to $pp \rightarrow t\bar{t}b\bar{b}$ at the LHC**

*Tuesday 29 June 2010 11:00 (30 minutes)*

**Presenter:** POZZORINI, Stefano (CERN)

Contribution ID: 12

Type: **not specified**

## **Automation of FKS subtraction in MadFKS**

*Monday 28 June 2010 15:30 (30 minutes)*

**Presenter:** FREDERIX, Rikkert (Zurich University)

Contribution ID: 13

Type: **not specified**

# The all-order structure of infrared divergences in massless gauge theories

*Wednesday 30 June 2010 10:30 (30 minutes)*

**Presenter:** MAGNEA, Lorenzo (CERN)

Contribution ID: 14

Type: **not specified**

## Recent progress in NNLO QCD calculations

*Wednesday 30 June 2010 11:00 (30 minutes)*

**Presenter:** GRAZZINI, Massimiliano (INFN Firenze)



Contribution ID: 15

Type: **not specified**

## Next-to-eikonal exponentiation

*Thursday 1 July 2010 15:00 (30 minutes)*

**Presenter:** LAENEN, Eric (Nikhef)

Contribution ID: 16

Type: **not specified**

## **Event-shape variables at hadron colliders**

*Thursday 1 July 2010 15:30 (30 minutes)*

**Presenter:** BANFI, Andrea (ETH Zurich)

Contribution ID: 17

Type: **not specified**

## **Precision measurement of MW at hadron colliders**

*Thursday 1 July 2010 16:30 (30 minutes)*

**Presenter:** VICINI, Alessandro (Universita' di Milano)

Contribution ID: **18**

Type: **not specified**

## **Status of top-quark pair cross section predictions**

*Tuesday 6 July 2010 15:00 (30 minutes)*

**Presenter:** MOCH, Sven-Olaf (DESY)

Contribution ID: **19**

Type: **not specified**

## **All-Order Multi-Jet Predictions with HEJ**

*Tuesday 6 July 2010 15:30 (30 minutes)*

**Presenter:** ANDERSEN, Jeppe (CERN)

Contribution ID: **20**

Type: **not specified**

## **Perturbative QCD and the LHC physics**

*Wednesday 7 July 2010 14:00 (1 hour)*

**Presenter:** MELNIKOV, Kirill (Johns Hopkins University)

Contribution ID: 21

Type: **not specified**

## **The NNPDF approach to parton determination: ideas and results**

*Friday 9 July 2010 14:30 (30 minutes)*

**Presenter:** FORTE, Stefano (Universita' di Milano)

Contribution ID: 22

Type: **not specified**

## **LHC Physics day (coffee in the TH common room)**

*Friday 2 July 2010 09:00 (30 minutes)*

<http://indico.cern.ch/conferenceDisplay.py?confId=97179>



Contribution ID: 23

Type: **not specified**

## PDFs

*Friday 2 July 2010 09:30 (30 minutes)*

**Presenter:** STIRLING, James (Cambridge University)

Contribution ID: 24

Type: **not specified**

## W+jets systematics

*Friday 2 July 2010 10:30 (30 minutes)*

**Presenter:** MAITRE, Daniel (Durham University)

Contribution ID: 25

Type: **not specified**

## **W+jets: NLO vs matrix element systematics**

*Friday 2 July 2010 11:00 (30 minutes)*

**Presenter:** MELNIKOV, Kirill (Johns Hopkins University)

Contribution ID: 26

Type: **not specified**

## **Introduction (scale uncertainty)**

*Friday 2 July 2010 10:00 (30 minutes)*

**Presenter:** MANGANO, Michelangelo (CERN)

Contribution ID: 27

Type: **not specified**

## Computing issues (discussion)

*Friday 2 July 2010 17:30 (30 minutes)*

Contribution ID: **28**

Type: **not specified**

## **BlackHat numerics**

*Friday 2 July 2010 16:00 (30 minutes)*

**Presenter:** FORDE, Darren (CERN)

Contribution ID: 29

Type: **not specified**

## Computing issues in phase space integrals

*Friday 2 July 2010 16:30 (30 minutes)*

**Presenter:** FREDERIX, Rikkert (Zurich University)

Contribution ID: **30**

Type: **not specified**

# **Soft gluon resummation for squark and gluino hadroproduction**

*Thursday 1 July 2010 16:00 (30 minutes)*

**Presenter:** KULESZA, Anna (RWTH Aachen)



Contribution ID: 31

Type: **not specified**

## **Simulating NNLO QCD corrections for processes with giant K factors**

*Monday 5 July 2010 14:30 (30 minutes)*

**Presenter:** SAPETA, Sebastian (Paris VI and VII)

Contribution ID: **32**

Type: **not specified**

## **NNLO with local subtractions**

*Monday 5 July 2010 15:00 (30 minutes)*

**Presenter:** TROCSANYI, Zoltan (Debrecen and CERN)

Contribution ID: 33

Type: **not specified**

## **Exclusive modelling of NLO DGLAP QCD Evolution in the NLO Parton Shower Monte Carlo**

*Monday 5 July 2010 15:30 (30 minutes)*

**Presenter:** JADACH, Stanislaw (IFJ-PAN Cracow)

Contribution ID: 34

Type: **not specified**

## Software performance monitoring

*Friday 2 July 2010 15:30 (30 minutes)*

**Presenters:** KRUSE, Daniele Francesco (CERN); INNOCENTE, Vincenzo (CERN)

Contribution ID: 35

Type: **not specified**

## GPUs for ME calculations

*Friday 2 July 2010 17:00 (30 minutes)*

**Presenter:** WINTER, Jan (FNAL)

Contribution ID: 36

Type: **not specified**

## **Higher order threshold effects for heavy coloured particles at hadron colliders**

*Friday 9 July 2010 15:00 (30 minutes)*

**Presenter:** SCHWINN, Christian (Freiburg University)