

**RADCOR 2009 - 9th  
International Symposium on  
Radiative Corrections**

**Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Recent Results from Tevatron

*Monday, 26 October 2009 08:30 (45 minutes)*

**Primary author:** WALLNY, Rainer

**Presenter:** WALLNY, Rainer

**Session Classification:** Monday morning: Tevatron results and collider physics

Contribution ID: 1

Type: **not specified**

## NLO corrections to $W + 3\text{jet}$

*Monday, 26 October 2009 09:15 (30 minutes)*

**Presenter:** MAITRE, Daniel

**Session Classification:** Monday morning: Tevatron results and collider physics

Contribution ID: 2

Type: **not specified**

## **NLO QCD corrections to WW+jet production including leptonic W decays at hadron colliders**

*Monday, 26 October 2009 09:45 (30 minutes)*

**Primary author:** KALLWEIT, Stefan

**Presenter:** KALLWEIT, Stefan

**Session Classification:** Monday morning: Tevatron results and collider physics

Contribution ID: 3

Type: **not specified**

## **NLO QCD corrections to $t$ anti- $t$ $b$ anti- $b$ production at the LHC**

*Monday, 26 October 2009 10:45 (30 minutes)*

**Presenter:** POZZORINI, Stefano

**Session Classification:** Monday morning: Tevatron results and collider physics

Contribution ID: 4

Type: **not specified**

## **tops at NLO and NNLO**

*Monday, 26 October 2009 11:15 (30 minutes)*

**Presenter:** CZAKON, Michael

**Session Classification:** Monday morning: Tevatron results and collider physics

Contribution ID: 5

Type: **not specified**

## **ZZ+jet and Graviton+jet at NLO QCD: recent applications using GOLEM methods**

*Monday, 26 October 2009 11:45 (30 minutes)*

**Presenter:** KARG, Stefan

**Session Classification:** Monday morning: Tevatron results and collider physics

Contribution ID: 6

Type: **not specified**

## All-order results for infrared and collinear singularities

*Monday, 26 October 2009 14:00 (30 minutes)*

**Presenter:** MAGNEA, Lorenzo

**Session Classification:** Monday afternoon: Resummation

Contribution ID: 7

Type: **not specified**

# Infrared singularities of gauge theory amplitudes

*Monday, 26 October 2009 14:30 (30 minutes)*

**Presenter:** BECHER, Thomas

**Session Classification:** Monday afternoon: Resummation

Contribution ID: 8

Type: **not specified**

# **Singularities of scattering amplitudes in non-abelian gauge theories**

*Monday, 26 October 2009 15:00 (30 minutes)*

**Presenter:** NEUBERT, Matthias

**Session Classification:** Monday afternoon: Resummation

Contribution ID: 9

Type: **not specified**

## **Soft gluon resummation for squark and gluino pair-production at hadron colliders**

*Monday, 26 October 2009 15:30 (30 minutes)*

**Presenter:** KULESZA, Anna

**Session Classification:** Monday afternoon: Resummation

Contribution ID: 10

Type: **not specified**

## **All-order colour structure and two-loop anomalous dimension of soft radiation in heavy particle pair production at the LHC**

*Monday, 26 October 2009 16:30 (20 minutes)*

**Presenter:** BENEKE, Martin

**Session Classification:** Monday afternoon: Resummation

Contribution ID: 11

Type: **not specified**

## Soft and Coulomb gluon resummation in squark-antisquark production at the LHC

*Monday, 26 October 2009 16:50 (20 minutes)*

**Presenter:** FALGARI, Pietro

**Session Classification:** Monday afternoon: Resummation

Contribution ID: 12

Type: **not specified**

# Resonant Particle Production at Hadron Colliders

*Monday, 26 October 2009 17:10 (30 minutes)*

**Presenter:** SIGNER, Adrian

**Session Classification:** Monday afternoon: Resummation

Contribution ID: 13

Type: **not specified**

## **Recent advances in the combination of QCD and EW corrections to the Drell-Yan processes**

*Monday, 26 October 2009 17:40 (30 minutes)*

**Presenter:** VICINI, Alessandro (University of Milano)

**Session Classification:** Monday afternoon: Resummation

Contribution ID: 14

Type: **not specified**

## Status of the LHC Machine

*Tuesday, 27 October 2009 08:30 (45 minutes)*

**Presenter:** Dr BURKHARDT, Helmut (CERN)

**Session Classification:** Tuesday morning: LHC and Monte Carlo

Contribution ID: 15

Type: **not specified**

## QCD and Electroweak Physics at LHC

*Tuesday, 27 October 2009 09:15 (45 minutes)*

**Presenter:** Dr RABBERTZ, Klaus (UNIVERSITY OF KARLSRUHE)

**Session Classification:** Tuesday morning: LHC and Monte Carlo

Contribution ID: **16**

Type: **not specified**

## **NLO QCD corrections to processes with multiple electroweak bosons**

*Tuesday, 27 October 2009 10:30 (30 minutes)*

**Presenter:** ZEPPENFELD, Dieter

**Session Classification:** Tuesday morning: LHC and Monte Carlo

Contribution ID: 17

Type: **not specified**

## Recent developments in POWHEG

*Tuesday, 27 October 2009 11:00 (30 minutes)*

**Presenter:** NASON, Paolo

**Session Classification:** Tuesday morning: LHC and Monte Carlo

Contribution ID: **18**

Type: **not specified**

## All-Order Corrections and Multi-Jet Rates

*Tuesday, 27 October 2009 11:30 (30 minutes)*

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

**Session Classification:** Tuesday morning: LHC and Monte Carlo

Contribution ID: **19**

Type: **not specified**

## Unitarity methods for one-loop amplitudes

*Tuesday, 27 October 2009 14:00 (30 minutes)*

**Presenter:** BADGER, Simon

**Session Classification:** Tuesday afternoon parallel: Multi-leg methods

Contribution ID: 20

Type: **not specified**

## Unitarity-Cuts, Stokes' Theorem and Berry's Phase

*Tuesday, 27 October 2009 14:30 (30 minutes)*

**Presenter:** MASTROLIA, Pierpaolo

**Session Classification:** Tuesday afternoon parallel: Multi-leg methods

Contribution ID: 21

Type: **not specified**

## Virtual corrections to massless QCD processes with D-dimensional unitarity

*Tuesday, 27 October 2009 15:00 (30 minutes)*

**Presenter:** LAZOPOULOS, Achilleas

**Session Classification:** Tuesday afternoon parallel: Multi-leg methods

Contribution ID: 22

Type: **not specified**

## Automatic calculation of one-loop amplitudes

*Tuesday, 27 October 2009 15:30 (30 minutes)*

**Presenter:** VAN HAMEREN, Andreas

**Session Classification:** Tuesday afternoon parallel: Multi-leg methods

Contribution ID: 24

Type: **not specified**

## Using Feynman's Tree Theorem to Evaluate Loop Integrals Numerically

*Tuesday, 27 October 2009 16:30 (30 minutes)*

**Presenter:** KLEINSCHMIDT, Tobias

**Session Classification:** Tuesday afternoon parallel: Multi-leg methods

Contribution ID: 25

Type: **not specified**

## H+2 jets: Compact analytic results

*Tuesday, 27 October 2009 17:00 (30 minutes)*

**Presenter:** WILLIAMS, Ciaran

**Session Classification:** Tuesday afternoon parallel: Multi-leg methods

Contribution ID: 26

Type: **not specified**

## **NLO Cross Sections for the LHC using Golem: Status and Prospects**

*Tuesday, 27 October 2009 17:30 (30 minutes)*

**Presenter:** REITER, Thomas

**Session Classification:** Tuesday afternoon parallel: Multi-leg methods

Contribution ID: 27

Type: **not specified**

## **Heavy quark mass effects on the virtual photon structure in QCD**

*Tuesday, 27 October 2009 17:00 (30 minutes)*

**Presenter:** UEMATSU, Tsuneo (Kyoto University)

**Session Classification:** Tuesday afternoon parallel: heavy quarks

Contribution ID: 28

Type: **not specified**

## From low-energy moments of $\Pi(q^2)$ to $R(s)$

*Tuesday, 27 October 2009 14:00 (20 minutes)*

**Presenter:** MARQUARD, Peter

**Session Classification:** Tuesday afternoon parallel: multi-loop methods

Contribution ID: 29

Type: **not specified**

## Precise Charm and Bottom Quark Masses

*Tuesday, 27 October 2009 14:20 (20 minutes)*

**Presenter:** KUEHN, Johann

**Session Classification:** Tuesday afternoon parallel: multi-loop methods

Contribution ID: **30**

Type: **not specified**

## **NNLO corrections to semileptonic and hadronic B decays**

*Tuesday, 27 October 2009 14:30 (30 minutes)*

**Presenter:** BELL, Guido

**Session Classification:** Tuesday afternoon parallel: heavy quarks

Contribution ID: 31

Type: **not specified**

## **$b \rightarrow s\ell\ell^+\ell^-$ in the high $q^2$ region at two-loops**

*Tuesday, 27 October 2009 15:00 (30 minutes)*

**Presenter:** PILIPP, Volker

**Session Classification:** Tuesday afternoon parallel: heavy quarks

Contribution ID: 32

Type: **not specified**

# **OPE and the NLL-resummed evolution for B-meson distribution amplitude: radiative and nonperturbative corrections to inverse moments for exclusive B decays**

*Tuesday, 27 October 2009 14:00 (30 minutes)*

**Presenter:** TANAKA, Kazuhiro (Juntendo University)

**Session Classification:** Tuesday afternoon parallel: heavy quarks

Contribution ID: 33

Type: **not specified**

## Heavy Flavor Contributions to DIS Structure Functions at $O(a_s^3)$

*Tuesday, 27 October 2009 16:30 (30 minutes)*

**Presenter:** BLUEMLEIN, Johannes (DESY)

**Session Classification:** Tuesday afternoon parallel: heavy quarks

Contribution ID: 34

Type: **not specified**

## Measuring the running top-quark mass

*Tuesday, 27 October 2009 15:30 (30 minutes)*

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

**Session Classification:** Tuesday afternoon parallel: heavy quarks

Contribution ID: 35

Type: **not specified**

## A recursive reduction of tensor Feynman integrals

*Tuesday, 27 October 2009 17:30 (30 minutes)*

**Presenter:** RIEMANN, Tord (DESY)

**Session Classification:** Tuesday afternoon parallel: heavy quarks

Contribution ID: 36

Type: **not specified**

## **Peculiar features of $O(\alpha_s^4)$ estimate to the relation between pole and running heavy quark masses**

*Tuesday, 27 October 2009 14:40 (30 minutes)*

**Presenter:** KATAEV, Andrei (Institute for Nuclear Research, Moscow)

**Session Classification:** Tuesday afternoon parallel: multi-loop methods

Contribution ID: 37

Type: **not specified**

## Beyond the heavy top limit in $gg \rightarrow H$ at LHC

*Tuesday, 27 October 2009 15:10 (30 minutes)*

**Presenter:** PAK, Alexey (University of Alberta)

**Session Classification:** Tuesday afternoon parallel: multi-loop methods

Contribution ID: **38**

Type: **not specified**

## **Master integrals for massless three-loop form factors**

*Tuesday, 27 October 2009 15:40 (30 minutes)*

**Presenter:** HUBER, Tobias

**Session Classification:** Tuesday afternoon parallel: multi-loop methods

Contribution ID: 39

Type: **not specified**

## **Soft and Collinear gluon corrections to Higgs production beyond two loop**

*Tuesday, 27 October 2009 16:30 (30 minutes)*

**Presenter:** RAVINDRAN, Vajravelu

**Session Classification:** Tuesday afternoon parallel: multi-loop methods

Contribution ID: 40

Type: **not specified**

## **Global Fit of $\alpha_s(M_z)$ to Thrust at NNNLL Order with Power Corrections**

*Tuesday, 27 October 2009 17:00 (30 minutes)*

**Presenter:** HOANG, Andre

**Session Classification:** Tuesday afternoon parallel: multi-loop methods

Contribution ID: 41

Type: **not specified**

## R-evolving QCD matrix elements

*Tuesday, 27 October 2009 17:30 (30 minutes)*

**Presenter:** SCIMEMI, Ignazio

**Session Classification:** Tuesday afternoon parallel: multi-loop methods

Contribution ID: 42

Type: **not specified**

## **Supersymmetric Higgs Production in Vector-Boson Fusion**

Contribution ID: 43

Type: **not specified**

## **Supersymmetric Higgs Production in Vector-Boson Fusion**

**Primary author:** RAUCH, Michael

Contribution ID: 44

Type: **not specified**

## **Supersymmetric Higgs Production in Vector-Boson Fusion**

Contribution ID: 45

Type: **not specified**

## **Supersymmetric Higgs Production in Vector-Boson Fusion**

Contribution ID: 46

Type: **not specified**

## **Supersymmetric Higgs Production in Vector-Boson Fusion**

Contribution ID: 47

Type: **not specified**

## **Supersymmetric Higgs Production in Vector-Boson Fusion**

Contribution ID: 48

Type: **not specified**

## **Supersymmetric Higgs Production in Vector-Boson Fusion**

Contribution ID: 49

Type: **not specified**

## **Supersymmetric Higgs Production in Vector-Boson Fusion**

**Primary author:** Dr RAUCH, Michael

Contribution ID: 50

Type: **not specified**

## Supersymmetric Higgs Production in Vector-Boson Fusion

*Wednesday, 28 October 2009 08:30 (30 minutes)*

**Primary author:** RAUCH, Michael

**Presenter:** RAUCH, Michael

**Session Classification:** Wednesday morning: Higgs physics

Contribution ID: 51

Type: **not specified**

## **SUSY QCD Corrections to Higgs Boson Production via Gluon Gluon Fusion**

*Wednesday, 28 October 2009 08:00 (30 minutes)*

**Primary author:** MUEHLLEITNER, Milada (Unknown)

**Presenter:** MUEHLLEITNER, Milada (Unknown)

**Session Classification:** Wednesday morning: Higgs physics

Contribution ID: 52

Type: **not specified**

## Neutral Higgs-pair Production at 1-loop From a Generic 2HDM

*Wednesday, 28 October 2009 09:00 (30 minutes)*

**Primary author:** LOPEZ-VAL, David (University of Barcelona)

**Presenter:** LOPEZ-VAL, David (University of Barcelona)

**Session Classification:** Wednesday morning: Higgs physics

Contribution ID: 53

Type: **not specified**

## Higgs production at the Tevatron and the LHC

*Wednesday, 28 October 2009 10:20 (30 minutes)*

**Primary author:** GRAZZINI, Massimiliano (CERN)

**Presenter:** GRAZZINI, Massimiliano (CERN)

**Session Classification:** Wednesday morning: Higgs physics

Contribution ID: 54

Type: **not specified**

## **Higgs production @ NNLO: Up-to-date predictions for inclusive cross-sections and differential distributions in different decay channels**

*Wednesday, 28 October 2009 10:50 (30 minutes)*

**Primary author:** BUCHERER, Stefan (Unknown)

**Presenter:** BUCHERER, Stefan (Unknown)

**Session Classification:** Wednesday morning: Higgs physics

Contribution ID: 55

Type: **not specified**

## Top Mass Effects in Higgs Production at the LHC

*Wednesday, 28 October 2009 11:20 (30 minutes)*

**Primary author:** HARLANDER, Robert (Bergische Universitaet Wuppertal)

**Presenter:** HARLANDER, Robert (Bergische Universitaet Wuppertal)

**Session Classification:** Wednesday morning: Higgs physics

Contribution ID: 56

Type: **not specified**

## Multi-Loop Calculations in the MSSM

*Wednesday, 28 October 2009 11:50 (30 minutes)*

**Primary author:** Dr MIHAILA, Luminita (TTP-University of Karlsruhe)

**Presenter:** Dr MIHAILA, Luminita (TTP-University of Karlsruhe)

**Session Classification:** Wednesday morning: Higgs physics

Contribution ID: 57

Type: **not specified**

## **NNLO predictions for event shapes and jet rates in electron-positron annihilation**

*Thursday, 29 October 2009 08:30 (30 minutes)*

**Primary author:** WEINZIERL, Stefan

**Presenter:** WEINZIERL, Stefan

**Session Classification:** Thursday morning: Collider physics and NNLO

Contribution ID: 58

Type: **not specified**

## Antenna Subtraction for Two Hadronic Initial States at NNLO

*Thursday, 29 October 2009 09:00 (30 minutes)*

**Primary author:** BOUGHEZAL, Radja (University of Zurich)

**Presenter:** BOUGHEZAL, Radja (University of Zurich)

**Session Classification:** Thursday morning: Collider physics and NNLO

Contribution ID: 59

Type: **not specified**

## Higher-order predictions from physical evolution kernels

*Thursday, 29 October 2009 09:30 (30 minutes)*

**Primary author:** VOGT, Andreas

**Presenter:** VOGT, Andreas

**Session Classification:** Thursday morning: Collider physics and NNLO

Contribution ID: **60**

Type: **not specified**

## Color Dressed One-Loop Partonic Amplitudes

*Thursday, 29 October 2009 10:30 (30 minutes)*

**Primary author:** GIELE, Walter (Fermilab)

**Presenter:** GIELE, Walter (Fermilab)

**Session Classification:** Thursday morning: Collider physics and NNLO

Contribution ID: 61

Type: **not specified**

## **Associated production of a W or Z boson with bottom quarks at the Tevatron and the LHC**

*Thursday, 29 October 2009 11:00 (30 minutes)*

**Primary author:** WACKEROTH, Doreen (University at Buffalo)

**Presenter:** WACKEROTH, Doreen (University at Buffalo)

**Session Classification:** Thursday morning: Collider physics and NNLO

Contribution ID: **62**

Type: **not specified**

## **Electroweak corrections to hadronic event shapes**

*Thursday, 29 October 2009 11:30 (30 minutes)*

**Primary author:** DITTMAIER, Stefan (Freiburg University)

**Presenter:** DITTMAIER, Stefan (Freiburg University)

**Session Classification:** Thursday morning: Collider physics and NNLO

Contribution ID: **63**

Type: **not specified**

## NLO Jet Physics with BlackHat

*Thursday, 29 October 2009 14:00 (30 minutes)*

**Primary author:** KOSOWER, David

**Presenter:** KOSOWER, David

**Session Classification:** Thursday afternoon parallel: NLO automation and Monte Carlo

Contribution ID: 64

Type: **not specified**

## **Automation of NLO computations using the FKS subtraction method**

*Thursday, 29 October 2009 14:30 (30 minutes)*

**Primary author:** FREDERIX, Rikkert

**Presenter:** FREDERIX, Rikkert

**Session Classification:** Thursday afternoon parallel: NLO automation and Monte Carlo

Contribution ID: 65

Type: **not specified**

## **Systematic study of 1-Loop correction on sparticle decay widths using GRACE/SUSY-loop**

*Thursday, 29 October 2009 15:30 (30 minutes)*

**Primary author:** IIZUKA, Kyoko (Seikei University)

**Presenter:** IIZUKA, Kyoko (Seikei University)

**Session Classification:** Thursday afternoon parallel: NLO automation and Monte Carlo

Contribution ID: 66

Type: **not specified**

## **Radiative corrections to $W\gamma\gamma$ production at the LHC**

*Thursday, 29 October 2009 15:00 (30 minutes)*

**Primary author:** WEBER, Marcus (MPI Munich)

**Presenter:** WEBER, Marcus (MPI Munich)

**Session Classification:** Thursday afternoon parallel: NLO automation and Monte Carlo

Contribution ID: 67

Type: **not specified**

## **Exclusive Monte Carlo modelling of NLO DGLAP evolution**

*Thursday, 29 October 2009 16:30 (30 minutes)*

**Primary author:** JADACH, Staszek (Krakow)

**Presenter:** JADACH, Staszek (Krakow)

**Session Classification:** Thursday afternoon parallel: NLO automation and Monte Carlo

Contribution ID: 68

Type: **not specified**

## **MC Realization of IR-Improved DGLAP-CS Parton Showers: HERWIRI1.0**

*Thursday, 29 October 2009 17:00 (30 minutes)*

**Primary author:** WARD, Bennie

**Presenter:** WARD, Bennie

**Session Classification:** Thursday afternoon parallel: NLO automation and Monte Carlo

Contribution ID: **69**

Type: **not specified**

## PHOTOS Monte Carlo

*Thursday, 29 October 2009 17:30 (30 minutes)*

**Primary author:** XU, Qingjun

**Presenter:** XU, Qingjun

**Session Classification:** Thursday afternoon parallel: NLO automation and Monte Carlo

Contribution ID: 70

Type: **not specified**

## Alternative subtraction scheme using Nagy Soper Dipoles

*Thursday, 29 October 2009 18:00 (30 minutes)*

**Primary author:** ROBENS, Tania (RWTH Aachen, Aachen, Germany)

**Presenter:** ROBENS, Tania (RWTH Aachen, Aachen, Germany)

**Session Classification:** Thursday afternoon parallel: NLO automation and Monte Carlo

Contribution ID: 71

Type: **not specified**

## Weak boson scattering at the LHC

*Thursday, 29 October 2009 14:00 (30 minutes)*

**Primary author:** Dr JAEGER, Barbara (ITP Karlsruhe)

**Presenter:** Dr JAEGER, Barbara (ITP Karlsruhe)

**Session Classification:** Thursday afternoon parallel: Collider Physics

Contribution ID: 72

Type: **not specified**

## **Electroweak corrections to $W + \text{jet}$ hadroproduction including leptonic $W$ -boson decays**

*Thursday, 29 October 2009 14:30 (30 minutes)*

**Primary author:** MUECK, Alexander

**Presenter:** MUECK, Alexander

**Session Classification:** Thursday afternoon parallel: Collider Physics

Contribution ID: 73

Type: **not specified**

## Towards pp $\rightarrow$ WW at NNLO

*Thursday, 29 October 2009 15:00 (30 minutes)*

**Primary author:** CHACHAMIS, Grigorios (PSI)

**Presenter:** CHACHAMIS, Grigorios (PSI)

**Session Classification:** Thursday afternoon parallel: Collider Physics

Contribution ID: 74

Type: **not specified**

## **NLO Electroweak Corrections to Higgs Boson Production at Hadron Colliders**

*Thursday, 29 October 2009 15:30 (30 minutes)*

**Primary author:** UCCIRATI, Sandro

**Presenter:** UCCIRATI, Sandro

**Session Classification:** Thursday afternoon parallel: Collider Physics

Contribution ID: 75

Type: **not specified**

## **NNLO QCD correction to vector boson production at hadron colliders**

*Thursday, 29 October 2009 16:30 (30 minutes)*

**Primary author:** Dr FERRERA, Giancarlo (Universitat de Barcelona & Universidad de Granada)

**Presenter:** Dr FERRERA, Giancarlo (Universitat de Barcelona & Universidad de Granada)

**Session Classification:** Thursday afternoon parallel: Collider Physics

Contribution ID: 76

Type: **not specified**

## NNLO Antenna Subtraction with One Hadronic Initial State

*Thursday, 29 October 2009 17:00 (30 minutes)*

**Primary author:** LUISONI, Gionata (Universität Zürich)

**Presenter:** LUISONI, Gionata (Universität Zürich)

**Session Classification:** Thursday afternoon parallel: Collider Physics

Contribution ID: 77

Type: **not specified**

## NNLO real corrections to gluon scattering

*Thursday, 29 October 2009 17:30 (30 minutes)*

**Primary author:** PIRES, Joao

**Presenter:** PIRES, Joao

**Session Classification:** Thursday afternoon parallel: Collider Physics

Contribution ID: 78

Type: **not specified**

## **The Electroweak Model based on the Nonlinearly realized Gauge Group**

*Thursday, 29 October 2009 18:00 (30 minutes)*

**Primary author:** QUADRI, Andrea (INFN, sez. di Milano)

**Presenter:** QUADRI, Andrea (INFN, sez. di Milano)

**Session Classification:** Thursday afternoon parallel: Collider Physics

Contribution ID: 79

Type: **not specified**

## **R(s), Bjorken sum rule and the Crewther Relation in order $\alpha_s^4$**

*Friday, 30 October 2009 08:00 (30 minutes)*

**Primary author:** CHETYRKIN, Konstantin

**Presenter:** CHETYRKIN, Konstantin

**Session Classification:** Friday morning: Multi-loop results in QCD and QED

Contribution ID: **80**

Type: **not specified**

## Three-loop vertex corrections

*Friday, 30 October 2009 08:30 (30 minutes)*

**Primary author:** Prof. STEINHAUSER, Matthias (TTP Karlsruhe)

**Presenter:** Prof. STEINHAUSER, Matthias (TTP Karlsruhe)

**Session Classification:** Friday morning: Multi-loop results in QCD and QED

Contribution ID: **81**

Type: **not specified**

## Full result for the three-loop static quark potential

*Friday, 30 October 2009 09:00 (30 minutes)*

**Primary author:** SMIRNOV, Vladimir (Nuclear Physics Institute of Moscow State University)

**Presenter:** SMIRNOV, Vladimir (Nuclear Physics Institute of Moscow State University)

**Session Classification:** Friday morning: Multi-loop results in QCD and QED

Contribution ID: **82**

Type: **not specified**

## Two-loop corrections to the Lamb shift

*Friday, 30 October 2009 10:00 (30 minutes)*

**Primary author:** PICLUM, Jan

**Presenter:** PICLUM, Jan

**Session Classification:** Friday morning: Multi-loop results in QCD and QED

Contribution ID: **83**

Type: **not specified**

## **Radiative corrections to Quantum Hall Effect**

*Friday, 30 October 2009 10:30 (30 minutes)*

**Primary author:** PENIN, Alexander

**Presenter:** PENIN, Alexander

**Session Classification:** Friday morning: Multi-loop results in QCD and QED

Contribution ID: 84

Type: **not specified**

## Kunstwerk und Wissenschaften

*Friday, 30 October 2009 11:00 (30 minutes)*

**Primary author:** ELLIS, Richard Keith (Fermi National Accelerator Laboratory (FNAL))

**Presenter:** ELLIS, Richard Keith (Fermi National Accelerator Laboratory (FNAL))

**Session Classification:** Friday morning: Multi-loop results in QCD and QED

Contribution ID: 85

Type: **not specified**

## Renormalization of twist-4 operators

*Tuesday, 27 October 2009 18:00 (30 minutes)*

**Presenter:** BRAUN, Vladimir (Regensburg University)

**Session Classification:** Tuesday afternoon parallel: multi-loop methods

Contribution ID: 86

Type: **not specified**

## **Associated MSSM Higgs Production with Heavy Quarks: SUSY-QCD Corrections**

*Wednesday, 28 October 2009 09:30 (30 minutes)*

**Presenter:** SPIRA, Michael

**Session Classification:** Wednesday morning: Higgs physics

Contribution ID: 87

Type: **not specified**

## **LO/NLO, LO\* and jet algorithms**

*Tuesday, 27 October 2009 18:00 (30 minutes)*

**Presenter:** HUSTON, Joey (Department of Physics and Astronomy)

**Session Classification:** Tuesday afternoon parallel: Multi-leg methods