

**RADCOR 2011, 10th
International Symposium on
Radiative Corrections
(Applications of Quantum
Field Theory to
Phenomenology)**

Report of Contributions

Contribution ID: 0

Type: **not specified**

Registration

Contribution ID: 1

Type: **not specified**

Welcome

Monday, 26 September 2011 09:00 (15 minutes)

Presenter: ORGANISERS

Contribution ID: 2

Type: **not specified**

Recent results from ATLAS

Presenter: KATZY, Judith

Contribution ID: 4

Type: **not specified**

Recent Results from CMS

Presenter: PIERI, Marco

Contribution ID: 5

Type: **not specified**

Recent Results from Tevatron

Presenter: CHOUDHARY, Brajesh

Contribution ID: 6

Type: **not specified**

Recent Results from CMS

Presenter: MARCO PIERI

Contribution ID: 7

Type: **not specified**

NNPDF in the LHC era

Presenter: BERTONE, Valerio

Contribution ID: 8

Type: **not specified**

Hard multi-particle processes at NLO QC

Presenter: VAN HAMEREN, Andreas

Contribution ID: 9

Type: **not specified**

NNPDF in the LHC era

Monday, 26 September 2011 11:30 (30 minutes)

Presenter: BERTONE, Valerio

Session Classification: Parton distribution functions

Contribution ID: **10**

Type: **not specified**

Photon Structure in Supersymmetric QCD

Monday, 26 September 2011 14:00 (30 minutes)

Presenter: UEMATSU, Tsuneo

Session Classification: Photon structure function

Contribution ID: 11

Type: **not specified**

Mass effect on the photon structure functions

Monday, 26 September 2011 14:30 (30 minutes)

Presenter: WATANABE, Norihisa

Session Classification: Photon structure function

Contribution ID: 12

Type: **not specified**

Generalized parton distributions of the photon

Monday, 26 September 2011 15:00 (30 minutes)

Presenter: MUKHERJEE, Asmita

Session Classification: Photon structure function

Contribution ID: 13

Type: **not specified**

Hard multi-particle processes at NLO QCD

Monday, 26 September 2011 16:00 (30 minutes)

Presenter: ANDREAS VAN HAMEREN

Session Classification: Multi-leg processes

Contribution ID: 14

Type: **not specified**

NLO QCD corrections to hadronic $WWbb$ production

Monday, 26 September 2011 16:30 (30 minutes)

Presenter: POZZORINI, Stefano

Session Classification: Multi-leg processes

Contribution ID: 15

Type: **not specified**

Multiparton NLO corrections by numerical methods

Monday, 26 September 2011 17:00 (30 minutes)

Presenter: BECKER, Sebastian

Session Classification: Multi-leg processes

Contribution ID: 16

Type: **not specified**

Results in precision multiboson+jet phenomenology

Monday, 26 September 2011 17:30 (30 minutes)

Presenter: ENGLERT, Christoph

Session Classification: Multi-leg processes

Contribution ID: 17

Type: **not specified**

Multi vector boson production via gluon fusion at LHC

Monday, 26 September 2011 18:00 (30 minutes)

Presenter: SHIVAJI, Ambresh

Session Classification: Multi-leg processes

Contribution ID: **18**

Type: **not specified**

New results for algebraic NLO - Tensor reduction of Feynman integrals

Tuesday, 27 September 2011 08:30 (30 minutes)

Presenter: RIEMANN, Tord

Session Classification: Higher Order Automation & Monte Carlo

Contribution ID: 19

Type: **not specified**

The GRACE project - QCD, SUSY, Multi-loop

Tuesday, 27 September 2011 09:00 (30 minutes)

Presenter: FUJIMOTO, Jumpei

Session Classification: Higher Order Automation & Monte Carlo

Contribution ID: **20**

Type: **not specified**

Automated one-loop calculations with Golem/Samurai

Tuesday, 27 September 2011 09:30 (30 minutes)

Presenter: HEINRICH, Gudrun

Session Classification: Higher Order Automation & Monte Carlo

Contribution ID: 21

Type: **not specified**

Weak Bosons and Jets at the LHC

Tuesday, 27 September 2011 10:00 (30 minutes)

Presenter: MELIA, Tom

Session Classification: Higher Order Automation & Monte Carlo

Contribution ID: 22

Type: **not specified**

A recursive one-loop algorithm for many-particle amplitudes

Presenter: MAIERHOEFER, Philipp

Contribution ID: 23

Type: **not specified**

A recursive one-loop algorithm for many-particle amplitudes

Tuesday, 27 September 2011 11:00 (30 minutes)

Presenter: MAIERHOEFER, Philipp

Session Classification: Higher Order Automation & Monte Carlo

Contribution ID: 24

Type: **not specified**

Reduze 2 and top quark pair production at two loops

Tuesday, 27 September 2011 11:30 (30 minutes)

Presenter: VON MANTEUFFEL, Andreas

Session Classification: Higher Order Automation & Monte Carlo

Contribution ID: 25

Type: **not specified**

Exact Amplitude-Based Resummation in Quantum Field Theory: Recent Results

Tuesday, 27 September 2011 12:00 (30 minutes)

Presenter: WARD, Bennie F. L.

Session Classification: Resummation

Contribution ID: 26

Type: **not specified**

Large-x resummation in semi-inclusive e^+e^- annihilation

Tuesday, 27 September 2011 14:00 (30 minutes)

Presenter: LO PRESTI, Nicola A

Session Classification: Resummation

Contribution ID: 27

Type: **not specified**

The top-pair total cross section at NNLL order

Tuesday, 27 September 2011 14:30 (30 minutes)

Presenter: FALGARI, Pietro

Session Classification: Top, Drell-Yan, Higgs

Contribution ID: 28

Type: **not specified**

NNLL top-antitop production at threshold

Tuesday, 27 September 2011 15:00 (30 minutes)

Presenter: STAHLHOFEN, Maximilian

Session Classification: Top, Drell-Yan, Higgs

Contribution ID: 29

Type: **not specified**

Higher order QCD corrections for the Drell-Yan process

Tuesday, 27 September 2011 15:30 (30 minutes)

Presenter: FERRERA, Giancarlo

Session Classification: Top, Drell-Yan, Higgs

Contribution ID: **30**

Type: **not specified**

Signal-background interference in gg to H to VV

Tuesday, 27 September 2011 16:30 (30 minutes)

Presenter: KAUER, Nikolas

Session Classification: Top, Drell-Yan, Higgs

Contribution ID: 31

Type: **not specified**

Top mass effects in scalar and pseudo-scalar Higgs bosons production at NNLO for hadron colliders

Tuesday, 27 September 2011 17:00 (30 minutes)

Presenter: ROGAL, Mikhail

Session Classification: Top, Drell-Yan, Higgs

Contribution ID: 32

Type: **not specified**

Heavy Majorana neutrino effects on MSSM-M_h

Tuesday, 27 September 2011 17:30 (30 minutes)

Presenter: HERRERO, Maria

Session Classification: Top, Drell-Yan, Higgs

Contribution ID: 33

Type: **not specified**

Herwiri2: CEEX Electroweak Corrections in a Hadronic MC

Wednesday, 28 September 2011 08:30 (30 minutes)

Presenter: YOST, Scott Alan

Session Classification: Higher Order Automation & Monte Carlo

Contribution ID: 34

Type: **not specified**

MadLoop in aMC@NLO

Wednesday, 28 September 2011 09:00 (30 minutes)

Presenter: HIRSCHI, Valentin J

Session Classification: Higher Order Automation & Monte Carlo

Contribution ID: 35

Type: **not specified**

Alternative subtraction method in QCD using Nagy-Soper scheme

Wednesday, 28 September 2011 09:30 (30 minutes)

Presenter: KUBOCZ, Michael

Session Classification: Higher Order Automation & Monte Carlo

Contribution ID: **36**

Type: **not specified**

One Loop Amplitudes for Multi-Jet Production

Wednesday, 28 September 2011 10:00 (30 minutes)

Presenter: BADGER, Simon

Session Classification: Higher Order Automation & Monte Carlo

Contribution ID: 37

Type: **not specified**

Precise inclusive Higgs predictions using iHixs

Wednesday, 28 September 2011 10:30 (30 minutes)

Presenter: BUEHLER, Stephan

Session Classification: Higher Order Automation & Monte Carlo

Contribution ID: **38**

Type: **not specified**

R(s) and Z decay in $O(\alpha_s^4)$: complete results

Thursday, 29 September 2011 08:30 (30 minutes)

Presenter: CHETYRKIN, Konstantin

Session Classification: Multi-loop methods

Contribution ID: 39

Type: **not specified**

$O(\alpha_s^3)$ Contributions to the Heavy Flavor DIS - Wilson Coefficients at general Values of N

Thursday, 29 September 2011 09:00 (30 minutes)

Presenter: BLUEMLEIN, Johannes

Session Classification: Multi-loop methods

Contribution ID: 40

Type: **not specified**

Symbolic Summation for Particle Physics

Thursday, 29 September 2011 09:30 (30 minutes)

Presenter: SCHNEIDER, Carsten

Session Classification: Multi-loop methods

Contribution ID: 41

Type: **not specified**

Two-Loop QED Operator Matrix Elements with a Massive External Fermion Line

Thursday, 29 September 2011 10:00 (30 minutes)

Presenter: DE FREITAS, Abilio

Session Classification: Multi-loop methods

Contribution ID: 42

Type: **not specified**

An analytical solution for a non-planar massive double box diagram

Presenter: STUDERUS, Cedric

Contribution ID: 43

Type: **not specified**

Theoretical improvements for luminosity monitoring at low energies

Thursday, 29 September 2011 11:00 (30 minutes)

Presenter: GLUZA, Janusz

Session Classification: Radiative corrections at low energy

Contribution ID: 44

Type: **not specified**

Rho-gamma mixing and $e^+ e^-$ vs. tau spectral functions

Thursday, 29 September 2011 11:30 (30 minutes)

Presenter: SZAFRON, Robert

Session Classification: Radiative corrections at low energy

Contribution ID: 45

Type: **not specified**

Precision Collider Physics from SCET - Electroweak Boson Production at Small q_T

Thursday, 29 September 2011 14:00 (30 minutes)

Presenter: NEUBERT, Matthias

Session Classification: Infra-red structure of amplitudes

Contribution ID: 46

Type: **not specified**

Precision collider physics from SCET

Presenter: NEUBERT, Matthias

Contribution ID: 47

Type: **not specified**

Infrared Singularities at High Energy

Presenter: MAGNEA, Lorenzo

Contribution ID: 48

Type: **not specified**

Disentangling Infrared Singularities

Presenter: HERZOG, Franz

Contribution ID: 49

Type: **not specified**

Double Parton Scattering Singularity in One-Loop Integrals

Thursday, 29 September 2011 16:00 (30 minutes)

Presenter: GAUNT, Jonathan R.

Session Classification: Infra-red structure of amplitudes

Contribution ID: 50

Type: **not specified**

Antenna Subtraction in pQCD at NNLO

Thursday, 29 September 2011 16:30 (30 minutes)

Presenter: CURRIE, James

Session Classification: Infra-red structure of amplitudes

Contribution ID: 51

Type: **not specified**

NNLO QCD corrections to the resonant sneutrino / slepton production at LHC

Friday, 30 September 2011 08:30 (30 minutes)

Presenter: MAJHI, Swapan K

Session Classification: Beyond the Standard Model at NLO

Contribution ID: 52

Type: **not specified**

NNLL resummation for squark-antisquark production

Friday, 30 September 2011 09:00 (30 minutes)

Presenter: NIESSEN, Irene

Session Classification: Beyond the Standard Model at NLO

Contribution ID: 53

Type: **not specified**

KK Gluons at NLO

Friday, 30 September 2011 09:30 (30 minutes)

Presenter: SRIDHAR, K.

Session Classification: Beyond the Standard Model at NLO

Contribution ID: 54

Type: **not specified**

Production of KK-gravitons in association with a boson via gluon fusion in the LHC

Friday, 30 September 2011 10:00 (30 minutes)

Presenter: MITRA, Subhadip

Session Classification: Beyond the Standard Model at NLO

Contribution ID: 55

Type: **not specified**

$W^+ W^-$ production at LHC at NLO in extra dimension models

Friday, 30 September 2011 11:00 (30 minutes)

Presenter: TRIPATHI, Anurag

Session Classification: Beyond the Standard Model at NLO

Contribution ID: 56

Type: **not specified**

Graviton plus vector boson production to NLO QCD

Friday, 30 September 2011 11:30 (30 minutes)

Presenter: SETH, Satyajit

Session Classification: Beyond the Standard Model at NLO

Contribution ID: 57

Type: **not specified**

Why Precision ?

Friday, 30 September 2011 12:00 (45 minutes)

Presenter: BLUEMLEIN, Johannes (DESY)

Session Classification: Concluding Session

Contribution ID: 58

Type: **not specified**

Vote of thanks

Friday, 30 September 2011 12:45 (15 minutes)

Presenter: ORGANISERS

Session Classification: Concluding Session

Contribution ID: 59

Type: **not specified**

Recent results from ATLAS

Monday, 26 September 2011 09:15 (45 minutes)

Presenter: KATZY, Judith

Session Classification: Results from Experiments

Contribution ID: **60**

Type: **not specified**

Recent results form CMS

Monday, 26 September 2011 10:00 (45 minutes)

Presenter: PIERI, Marco

Session Classification: Results from Experiments

Contribution ID: **61**

Type: **not specified**

Recent results from Tevatron

Presenter: CHOUDHARY, Brajesh

Contribution ID: 62

Type: **not specified**

The infrared structure of gauge amplitudes in the high-energy limit

Thursday, 29 September 2011 14:30 (30 minutes)

Presenter: MAGNEA, Lorenzo

Session Classification: Infra-red structure of amplitudes

Contribution ID: 63

Type: **not specified**

Disentangling Singularities with Non-linear Mappings - A new method for NNLO computations

Thursday, 29 September 2011 15:00 (30 minutes)

Presenter: HERZOG, Franz

Session Classification: Infra-red structure of amplitudes

Contribution ID: 64

Type: **not specified**

Improving the phenomenology of K_{l3} form factors with analyticity and unitarity

Thursday, 29 September 2011 12:00 (30 minutes)

Presenter: ABBAS, Gauhar

Session Classification: Radiative corrections at low energy