

Loopfest X

Report of Contributions

Contribution ID: 0

Type: **not specified**

NLO QCD Corrections to 4b Production

Thursday, 12 May 2011 14:50 (30 minutes)

Presenter: GREINER, Nicolas (University of Illinois)

Session Classification: Session III

Contribution ID: 1

Type: **not specified**

Automation of One-Loop Calculations with GOLEM/SAMURAI

Thursday, 12 May 2011 13:20 (30 minutes)

Presenter: OSSOLA, Giovanni (City Tech)

Session Classification: Session III

Contribution ID: 2

Type: **not specified**

HELAC-NLO

Thursday, 12 May 2011 13:50 (30 minutes)

Presenter: WOREK, Malgorzata (Wuppertal)

Session Classification: Session III

Contribution ID: 3

Type: **not specified**

NLO Predictions with MCFM

Friday, 13 May 2011 09:30 (30 minutes)

Presenter: WILLIAMS, Ciaran (Fermilab)

Session Classification: Session V

Contribution ID: 4

Type: **not specified**

Jet Pair Production with POWHEG

Friday, 13 May 2011 08:30 (30 minutes)

Presenter: RE, Emanuele (Durham)

Session Classification: Session V

Contribution ID: 5

Type: **not specified**

W and Z plus jets, with POWHEG and SHERPA

Friday, 13 May 2011 09:00 (30 minutes)

Presenter: HOECHE, Stefan (SLAC)

Session Classification: Session V

Contribution ID: 6

Type: **not specified**

Uli Baur and electroweak precision physics with W and Z bosons

Thursday, 12 May 2011 15:40 (20 minutes)

Presenter: WACKEROTH, Doreen (Buffalo)

Session Classification: In Memory of Uli Baur

Contribution ID: 7

Type: **not specified**

Uli Baur and the W Mass Measurement

Thursday, 12 May 2011 16:00 (30 minutes)

Presenter: KOTWAL, Ashutosh (Duke)

Session Classification: In Memory of Uli Baur

Contribution ID: 8

Type: **not specified**

Uli Baur, Top Physics, and the LHC Theory Initiative

Presenter: ORR, Lynne (Rochester)

Contribution ID: 9

Type: **not specified**

QCD Corrections to Gauge Boson Pair Production with Anomalous Couplings

Thursday, 12 May 2011 16:30 (20 minutes)

Presenter: HAN, Tao (University of Wisconsin)

Session Classification: In Memory of Uli Baur

Contribution ID: **10**

Type: **not specified**

Heavy quark production in association with a W-boson

Thursday, 12 May 2011 08:30 (30 minutes)

Presenter: ELLIS, Keith (Fermilab)

Session Classification: Session I

Contribution ID: 11

Type: **not specified**

W and Z Production at NNLO using FEWZ 2.0

Thursday, 12 May 2011 09:00 (30 minutes)

Presenter: QUACKENBUSH, Seth (ANL)

Session Classification: Session I

Contribution ID: 12

Type: **not specified**

PDF Issues

Thursday, 12 May 2011 09:30 (30 minutes)

Presenter: OLNESS, Fred (Southern Methodist University)

Session Classification: Session I

Contribution ID: 13

Type: **not specified**

Welcome

Thursday, 12 May 2011 08:15 (15 minutes)

Presenter: Prof. SCHELLMAN, Heidi (Northwestern University)

Session Classification: Session I

Contribution ID: 14

Type: **not specified**

Simulation of W fusion and Higgs Processes

Thursday, 12 May 2011 10:20 (30 minutes)

Presenter: JAEGER, Barbara (Mainz)

Session Classification: Session II

Contribution ID: 15

Type: **not specified**

Higgs Production in Gluon Fusion: Recent Developments

Thursday, 12 May 2011 10:50 (30 minutes)

Presenter: PAK, Alexey (Karlsruhe)

Session Classification: Session II

Contribution ID: 16

Type: **not specified**

Application of the collinear anomaly: q_T resummation and jet broadening

Thursday, 12 May 2011 11:20 (30 minutes)

Presenter: NEUBERT, Matthias (Mainz)

Session Classification: Session II

Contribution ID: 17

Type: **not specified**

Electroweak Results from Hadron Colliders

Friday, 13 May 2011 10:50 (45 minutes)

Presenter: SCHMITT, Michael (Northwestern University)

Session Classification: Session VI

Contribution ID: **18**

Type: **not specified**

Transverse Momentum Distributions from Effective Field Theory

Friday, 13 May 2011 11:35 (30 minutes)

Presenter: MANTRY, Sonny (University of Wisconsin)

Session Classification: Session VI

Contribution ID: 19

Type: **not specified**

Squark production at the LHC at electroweak NLO

Friday, 13 May 2011 12:05 (30 minutes)

Presenter: HOLLIK, Wolfgang (Munich)

Session Classification: Session VI

Contribution ID: 20

Type: **not specified**

Thrust distribution resummation in $e+e^-$ collisions

Friday, 13 May 2011 14:00 (30 minutes)

Presenter: MONNI, Pier Francesco (Zurich)

Session Classification: Session VII

Contribution ID: 21

Type: **not specified**

NNLL Resummation for N-jet Production at Hadron Colliders

Friday, 13 May 2011 14:30 (30 minutes)

Presenter: JOUTTENUS, Teppo (MIT)

Session Classification: Session VII

Contribution ID: 22

Type: **not specified**

Higher Order Threshold Effects for Heavy Colored Particles

Friday, 13 May 2011 15:00 (30 minutes)

Presenter: SCHWINN, Christian (Freiburg)

Session Classification: Session VII

Contribution ID: 23

Type: **not specified**

Determination of $\alpha_s(m_Z)$: N3LL analysis of Thrust distribution with Power Corrections

Friday, 13 May 2011 16:00 (30 minutes)

Presenter: ABBATE, Riccardo (MIT)

Session Classification: Session VIII

Contribution ID: 24

Type: **not specified**

Charm Mass Determination from QCD Sum Rules at $O(\alpha_s^3)$

Friday, 13 May 2011 16:30 (30 minutes)

Presenter: MATEU, Vicent (MIT)

Session Classification: Session VIII

Contribution ID: 25

Type: **not specified**

Prediction of Missing E_T Distributions at the LHC with Blackhat

Friday, 13 May 2011 17:00 (30 minutes)

Presenter: OZEREN, Kemal (UCLA)

Session Classification: Session VIII

Contribution ID: 26

Type: **not specified**

Towards NNLO Corrections to Jet Cross Sections in Hadronic Collisions

Friday, 13 May 2011 17:30 (30 minutes)

Presenter: PIRES, Joao (ETH)

Session Classification: Session VIII

Contribution ID: 27

Type: **not specified**

Contribution ID: 28

Type: **not specified**

Top Quark Pair Production in Association with a Photon

Saturday, 14 May 2011 09:00 (30 minutes)

Presenter: SCHULZE, Markus (Johns Hopkins)

Session Classification: Session IX

Contribution ID: 29

Type: **not specified**

Recent Progress in Multi-Loop Calculations

Saturday, 14 May 2011 09:30 (30 minutes)

Presenter: MARQUARD, Peter (Karlsruhe)

Session Classification: Session IX

Contribution ID: 31

Type: **not specified**

Progress on Parton Showers at NLO

Saturday, 14 May 2011 10:30 (30 minutes)

Presenter: HORNIG, Andrew (Washington)

Session Classification: Session X

Contribution ID: 32

Type: **not specified**

The Epsilon Expansion via Hypergeometric Functions and Differential Reduction

Presenter: YOST, Scott (Citadel)

Contribution ID: 33

Type: **not specified**

SecDec: A Versatile Tool for Multi-loop/leg Calculations

Saturday, 14 May 2011 11:00 (30 minutes)

Presenter: CARTER, Jonathan (Durham)

Session Classification: Session X

Contribution ID: 34

Type: **not specified**

Understanding and Proving the Expansion by Regions

Saturday, 14 May 2011 11:30 (30 minutes)

Presenter: JANTZEN, Bernd (Aachen)

Session Classification: Session X

Contribution ID: 35

Type: **not specified**

NLO QCD Corrections to WWbb Production at Hadron Colliders

Saturday, 14 May 2011 13:45 (30 minutes)

Presenter: KALLWEIT, Stefan (PSI)

Session Classification: Session XI

Contribution ID: 36

Type: **not specified**

Multi-Jet Predictions for the LHC

Saturday, 14 May 2011 14:15 (30 minutes)

Presenter: GIELE, Walter (Fermilab)

Session Classification: Session XI

Contribution ID: 37

Type: **not specified**

Summary

Saturday, 14 May 2011 14:45 (45 minutes)

Presenter: MELNIKOV, Kirill (Johns Hopkins)

Session Classification: Session XI

Contribution ID: 38

Type: **not specified**

MadGOLEM: Automatizing NLO Calculations for New Physics Searches at Hadron Colliders

Thursday, 12 May 2011 14:20 (30 minutes)

Presenter: LOPEZ-TAL, David (Heidelberg)

Session Classification: Session III

Contribution ID: 39

Type: **not specified**

Computation of Two Loop Integrals with Masses by Numerical Integration and Extrapolation

Friday, 13 May 2011 12:35 (30 minutes)

Presenter: YUASA, Fukuko (KEK)

Session Classification: Session VI

Contribution ID: 40

Type: **not specified**

Squark and Gluino Production at the LHC

Friday, 13 May 2011 10:00 (30 minutes)

Presenter: KULESZA, Anna (Aachen)

Session Classification: Session V

Contribution ID: 41

Type: **not specified**

Regularization Schemes and Higher Order Corrections

Thursday, 12 May 2011 11:50 (30 minutes)

Presenter: KILGORE, William (Brookhaven National Laboratory)

Session Classification: Session II

Contribution ID: 42

Type: **not specified**

Computer Algebra Algorithms for Harmonic Sums and Polylogarithms and their Generalizations

Saturday, 14 May 2011 12:00 (30 minutes)

Presenter: ABLINGER, Jakob (Linz)

Session Classification: Session X