

TOP 2012 - 5th International Workshop on Top Quark Physics

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome & Organization

Monday 17 September 2012 09:00 (10 minutes)

Presenter: Dr BOISVERT, Veronique (University of London (GB))

Session Classification: Session 1

Contribution ID: **1**

Type: **not specified**

ATLAS status

Monday 17 September 2012 09:40 (30 minutes)

Presenter: ALEKSA, Martin (CERN)

Session Classification: Session 1

Contribution ID: 2

Type: **not specified**

CMS status

Monday 17 September 2012 10:10 (30 minutes)

Presenter: NEU, Christopher (University of Virginia (US))

Session Classification: Session 1

Contribution ID: 3

Type: **not specified**

Object definition and performance at CMS

Monday 17 September 2012 11:10 (40 minutes)

Presenter: DIEZ PARDOS, Carmen (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Session 2

Contribution ID: 4

Type: **not specified**

Object definition and performance at ATLAS

Monday 17 September 2012 11:50 (40 minutes)

Presenter: Dr BOISVERT, Veronique (University of London (GB))

Session Classification: Session 2

Contribution ID: 5

Type: **not specified**

Keynote Address

Monday 17 September 2012 09:10 (30 minutes)

Presenter: PEREZ, Gilad (CERN & Weizmann)

Session Classification: Session 1

Contribution ID: 6

Type: **not specified**

Vector boson + jets Physics

Monday 17 September 2012 14:30 (40 minutes)

Presenter: SCHOENHERR, Marek (University of Durham)

Session Classification: Session 3

Contribution ID: 7

Type: **not specified**

Vector boson + jets backgrounds at Tevatron and LHC

Monday 17 September 2012 15:10 (40 minutes)

Presenter: DELIOT, Frederic (CEA - Centre d'Etudes de Saclay (FR))

Session Classification: Session 3

Contribution ID: 8

Type: **not specified**

Instrumental Backgrounds at Tevatron and LHC

Monday 17 September 2012 15:50 (40 minutes)

Presenter: BOUDREAU, Joseph (University of Pittsburgh (US))

Session Classification: Session 3

Contribution ID: 9

Type: **not specified**

Top quark pair production at hadron colliders

Monday 17 September 2012 17:00 (40 minutes)

Presenter: CZAKON, Michal (RWTH Aachen)

Session Classification: Session 4

Contribution ID: **10**

Type: **not specified**

Top pair production cross-section results at Tevatron

Monday 17 September 2012 17:40 (30 minutes)

Presenter: PETRILLO, Gianluca (University of Rochester)

Session Classification: Session 4

Contribution ID: **11**

Type: **not specified**

Top pair cross-section results at LHC in final states including leptons and combination

Monday 17 September 2012 18:50 (40 minutes)

Presenter: ANDREA, Jeremy (Institut Pluridisciplinaire Hubert Curien (FR))

Session Classification: Session 4

Contribution ID: 12

Type: **not specified**

Top pair cross-section results at LHC in final states with taus or no leptons

Monday 17 September 2012 18:10 (40 minutes)

Presenter: KHORIAULI, Gia (Universitaet Bonn (DE))

Session Classification: Session 4

Contribution ID: 13

Type: **not specified**

Differential top pair cross-section and $t\bar{t}$ +jets Physics

Tuesday 18 September 2012 09:00 (30 minutes)

Presenter: Dr WOREK, Malgorzata (Bergische Universitaet Wuppertal (DE))

Session Classification: Session 1

Contribution ID: 14

Type: **not specified**

Differential top pair cross-section results at Tevatron and LHC

Tuesday 18 September 2012 09:30 (40 minutes)

Presenter: DORLAND, Tyler Mc Millan (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Session 1

Contribution ID: 15

Type: **not specified**

Theory perspective on top quark signal modeling uncertainties

Tuesday 18 September 2012 10:10 (30 minutes)

Presenter: HAMILTON, Keith (INFN, Milano-Bicocca)

Session Classification: Session 1

Contribution ID: **16**

Type: **not specified**

Top quark signal modeling uncertainties at ATLAS

Tuesday 18 September 2012 11:10 (30 minutes)

Presenters: FLECK, Ivor (Universitaet Siegen (DE)); FLECK, Ivor (Fachbereich Physik-Universitaet Siegen-Unknown)

Session Classification: Session 2

Contribution ID: 17

Type: **not specified**

Top quark signal modeling uncertainties at CMS

Tuesday 18 September 2012 11:40 (30 minutes)

Presenter: GOSSELINK, Martijn (Hamburg University (DE))

Session Classification: Session 2

Contribution ID: **18**

Type: **not specified**

Top quark signal modeling uncertainties at Tevatron

Tuesday 18 September 2012 12:10 (30 minutes)

Presenter: Mr SHARYY, Viatcheslav (CEA-Saclay, France)

Session Classification: Session 2

Contribution ID: **19**

Type: **not specified**

Discussion on signal modeling uncertainties

Tuesday 18 September 2012 12:40 (50 minutes)

Authors: MANGANO, Michelangelo (CERN); TENCHINI, Roberto (Sezione di Pisa (IT))

Presenter: MICHELANGELO, ROBERTO AND ALL

Session Classification: Session 2

Contribution ID: 20

Type: **not specified**

Top quark mass results at Tevatron

Tuesday 18 September 2012 15:30 (40 minutes)

Presenter: BARTOS, Pavol (Comenius University (SK))

Session Classification: Session 3

Contribution ID: **21**

Type: **not specified**

Top quark mass results at LHC

Tuesday 18 September 2012 16:10 (40 minutes)

Presenter: SEIDEL, Markus (Hamburg University (DE))

Session Classification: Session 3

Contribution ID: 22

Type: **not specified**

Experimental & Theoretical uncertainties in top quark mass measurements at Tevatron and LHC

Tuesday 18 September 2012 16:50 (40 minutes)

Presenter: CORTIANA, Giorgio (Max-Planck-Institut fuer Physik (Werner-Heisenberg-Institut) (D))

Session Classification: Session 3

Contribution ID: 23

Type: **not specified**

Top quark mass combination techniques & treatment of uncertainties at Tevatron & LHC

Tuesday 18 September 2012 18:00 (30 minutes)

Presenter: SHABALINA, Elizaveta (Georg-August-Universitaet Goettingen (DE))

Session Classification: Session 4

Contribution ID: 24

Type: **not specified**

Interpreting top quark mass results

Tuesday 18 September 2012 18:30 (40 minutes)

Presenter: MOCH, Sven-Olaf (Unknown)

Session Classification: Session 4

Contribution ID: 25

Type: **not specified**

SM single top quark Physics

Wednesday 19 September 2012 09:00 (40 minutes)

Presenters: FALGARI, Pietro; FALGARI, Pietro

Session Classification: Session 1

Contribution ID: 26

Type: **not specified**

Single top quark measurements at Tevatron

Wednesday 19 September 2012 09:40 (40 minutes)

Presenter: JOSHI, Jyoti (Panjab University)

Session Classification: Session 1

Contribution ID: 27

Type: **not specified**

Single top quark measurements at LHC

Wednesday 19 September 2012 10:20 (40 minutes)

Presenter: Dr TA, Duc Bao (NIKHEF (NL))

Session Classification: Session 1

Contribution ID: **28**

Type: **not specified**

Physics of top quark properties

Wednesday 19 September 2012 11:30 (40 minutes)

Presenter: PEREZ-VICTORIA, Manuel (University of Granada)

Session Classification: Session 2

Contribution ID: 29

Type: **not specified**

SM top quark properties at Tevatron

Wednesday 19 September 2012 12:10 (30 minutes)

Presenter: Dr JUNG, Andreas (Fermilab)

Session Classification: Session 2

Contribution ID: **30**

Type: **not specified**

SM top quark properties at LHC

Wednesday 19 September 2012 12:40 (40 minutes)

Presenter: Dr SENGHI SOARES, Mara (Centro de Investigaciones Energ. Medioambientales y Tecn. - (ES)

Session Classification: Session 2

Contribution ID: **31**

Type: **not specified**

Top quark angular distributions at Tevatron

Thursday 20 September 2012 09:30 (30 minutes)

Presenter: HAREL, Amnon (University of Rochester (US))

Session Classification: Session 1

Contribution ID: **32**

Type: **not specified**

Top quark angular distributions at LHC

Thursday 20 September 2012 10:00 (40 minutes)

Presenter: Dr WENGLER, Thorsten (CERN)

Session Classification: Session 1

Contribution ID: 33

Type: **not specified**

Top quark Asymmetries at Tevatron

Thursday 20 September 2012 11:10 (40 minutes)

Presenter: AMIDEI, Dante (University of Michigan (US))

Session Classification: Session 2

Contribution ID: 34

Type: **not specified**

Top quark Asymmetries at LHC

Thursday 20 September 2012 11:50 (40 minutes)

Presenter: KIM, Tae Jeong (Korea University (KR))

Session Classification: Session 2

Contribution ID: 35

Type: **not specified**

Boosted top quark techniques and searches for $t\bar{t}$ resonances at the LHC

Thursday 20 September 2012 12:30 (40 minutes)

Presenter: FLEISCHMANN, Sebastian (Bergische Universitaet Wuppertal (DE))

Session Classification: Session 2

Contribution ID: 36

Type: **not specified**

New physics in top quark production

Thursday 20 September 2012 14:40 (40 minutes)

Presenter: KAMENIK, Jernej (Jozef Stefan Institute)

Session Classification: Session 3

Contribution ID: 37

Type: **not specified**

Searches for new physics in the top quark sector at Tevatron

Thursday 20 September 2012 15:20 (40 minutes)

Presenter: SCHWANENBERGER, Christian (University of Manchester (GB))

Session Classification: Session 3

Contribution ID: **38**

Type: **not specified**

Searches for new physics in top quark production at LHC

Thursday 20 September 2012 16:00 (40 minutes)

Presenter: GOLLING, Tobias (Yale University (US))

Session Classification: Session 3

Contribution ID: 39

Type: **not specified**

New physics in top quark decay

Thursday 20 September 2012 17:10 (40 minutes)

Presenter: DEGRANDE, Celine (UCL/UIUC)

Session Classification: Session 4

Contribution ID: 40

Type: **not specified**

Measurements of new physics in top quark decay at LHC

Thursday 20 September 2012 17:50 (40 minutes)

Presenter: Dr PAGANO, Davide (Universite Catholique de Louvain (BE))

Session Classification: Session 4

Contribution ID: 41

Type: **not specified**

Physics of the interplay between the top quark and the Higgs

Friday 21 September 2012 09:00 (30 minutes)

Presenter: SANTIAGO, Jose (Granada University)

Session Classification: Session 1

Contribution ID: 42

Type: **not specified**

Measurements of the interplay between the top quark and the Higgs at Tevatron and LHC

Friday 21 September 2012 09:30 (30 minutes)

Presenter: BOUTLE, Sarah (University of Virginia (US))

Session Classification: Session 1

Contribution ID: 43

Type: **not specified**

Physics of the interplay between the top quark and Supersymmetry

Contribution ID: 44

Type: **not specified**

Measurements of the interplay between the top quark and Supersymmetry at Tevatron and LHC

Friday 21 September 2012 10:00 (40 minutes)

Presenter: ARGUIN, Jean-Francois (Universite de Montreal (CA))

Session Classification: Session 1

Contribution ID: 45

Type: **not specified**

Physics of the top quark at future lepton colliders

Friday 21 September 2012 12:10 (30 minutes)

EVO connection with Oxford

Presenter: Dr TEUBNER, Thomas (University of Liverpool)

Session Classification: Session 2

Contribution ID: 46

Type: **not specified**

What I learned at TOP 2012 and experimental prospects

Friday 21 September 2012 10:40 (30 minutes)

Presenters: CANELLI, Florencia Maria (Universitat Zurich); CANELLI, Florencia Maria (University of Chicago (US))

Session Classification: Session 1

Contribution ID: 47

Type: **not specified**

What I learned at TOP 2012 and theoretical recommendations

Friday 21 September 2012 11:40 (30 minutes)

Presenter: ELLIS, Richard Keith (Fermi National Accelerator Lab. (US))

Session Classification: Session 2

Contribution ID: 49

Type: **not specified**

POSTER: Measurement of the mass difference between top and antitop quarks at CMS

Presenter: BLYWEERT, Stijn (Inter-University Institute for High Energies (BE))

Contribution ID: 50

Type: **not specified**

POSTER: Combined measurement of the $t\bar{t}$ cross section and the b-tagging efficiency in lepton+jets events with CMS

Presenter: MAES, Michael (Inter-University Institute for High Energies (BE))

Contribution ID: 51

Type: **not specified**

POSTER: Measurement of the single-top t-channel cross section with a template fit analysis at CMS

Presenter: MEROLA, Mario (Universita e INFN (IT))

Contribution ID: 52

Type: **not specified**

POSTER: Measuring the Top Quark Mass with MT2 at CMS

Presenter: NACHMAN, Ben (SLAC National Accelerator Laboratory (US))

Contribution ID: 53

Type: **not specified**

POSTER: Full hadronic tt cross section measurement with the ATLAS detector

Presenter: COCCARO, Andrea (University of Washington (US))

Contribution ID: 54

Type: **not specified**

POSTER: Top Quark Charge Asymmetry Measurement with ATLAS at the LHC

Presenter: SHAW, Kate (Universita degli Studi di Udine (IT))

Contribution ID: 55

Type: **not specified**

POSTER: Search for Heavy Vector-like Quarks Coupling to Light Quarks in Events with W/Z+jets (ATLAS)

Presenter: MEEHAN, Samuel Ross (University of Chicago (US))

Contribution ID: 56

Type: **not specified**

POSTER: Measurement of the jet multiplicity in $t\bar{t}$ + jets with the ATLAS detector

Presenter: ALLWOOD-SPIERS, Sarah (University of Glasgow (GB))

Contribution ID: 57

Type: **not specified**

POSTER: Search for Fourth Generation Quarks in Same-Sign Dilepton Final States with the ATLAS experiment

Presenter: Mrs GAUTHIER, Lea (CEA - Centre d'Etudes de Saclay (FR))

Contribution ID: 58

Type: **not specified**

POSTER:Measurement of the top quark mass using 7 TeV pp collisions with the ATLAS detector

Presenter: MOLES VALLS, Regina (Universidad de Valencia (ES))

Contribution ID: 59

Type: **not specified**

POSTER: Search for Higgs boson production in association with a top quark pair in pp collisions at CMS

Presenter: BRINKERHOFF, Andrew (University of Notre Dame (US))

Contribution ID: **60**

Type: **not specified**

POSTER: Measurement of the $t\bar{t}b$ production cross section in the dilepton channel at 8 TeV with CMS

Presenter: KIESELER, Jan (Deutsches Elektronen-Synchrotron (DE))

Contribution ID: **61**

Type: **not specified**

POSTER: Search for production of SUSY partners of the top quark with CMS

Presenter: Dr HAMMAD, Gregory Habib (Universite de Mons (BE))

Contribution ID: 62

Type: **not specified**

POSTER: Measurement of the t-channel single top quark production cross section with the CMS experiment at 7TeV using a multivariate analysis

Presenter: KLINGEBIEL, Dennis (Rheinisch-Westfaelische Tech. Hoch. (DE))

Contribution ID: 63

Type: **not specified**

POSTER: Measurement of the top-quark mass in the lepton+jets final states at CMS

Presenter: SEIDEL, Markus (Hamburg University (DE))

Contribution ID: 64

Type: **not specified**

POSTER: Measurement of the top quark mass in the all-jets channel at CMS

Presenter: SCHLIECKAU, Eike (Hamburg University (DE))

Contribution ID: 65

Type: **not specified**

POSTER: Measurement of differential top quark pair production cross sections at 7 TeV with CMS

Presenter: GOERNER, Martin (Hamburg University (DE))

Contribution ID: 66

Type: **not specified**

POSTER: A new observable to measure the top-quark mass at hadron colliders (ATLAS)

Presenter: IRLES QUILES, Adrian (Universidad de Valencia (ES))

Contribution ID: 67

Type: **not specified**

Top quark angular distributions - Theory

Thursday 20 September 2012 09:00 (30 minutes)

Presenter: PARKE, Stephen (Fermi National Accelerator Lab. (US))

Session Classification: Session 1

Contribution ID: 68

Type: **not specified**

POSTER: ttbar pair hadroproduction in association with a heavy boson at the NLO QCD + Parton Shower

Presenter: GARZELLI, Maria Vittoria (INFN, Italia & Universidad de Granada, Espana)

Contribution ID: 69

Type: **not specified**

POSTER: Measurement of Spin Correlations in top pair events in the dilepton channels in pp collisions at 7 TeV (CMS)

Authors: HOHLE, Felix Benedikt (Rheinisch-Westfaelische Tech. Hoch. (DE)); GEENEN, Heiko (Rheinisch-Westfaelische Tech. Hoch. (DE))

Presenters: HOHLE, Felix Benedikt (Rheinisch-Westfaelische Tech. Hoch. (DE)); GEENEN, Heiko (Rheinisch-Westfaelische Tech. Hoch. (DE))

Contribution ID: 70

Type: **not specified**

POSTER: Mass dependent top forward backward asymmetry in the effective Lagrangian approach

Presenter: Dr JUNG, Dong-Won (Korea Institute of Advanced Study (KIAS))

Contribution ID: 71

Type: **not specified**

UK Linear Collider discussion

Friday 21 September 2012 13:00 (3 hours)

Contribution ID: 72

Type: **not specified**

POSTER: Evidence for the associated production of a top quark and W boson in pp collisions at $\sqrt{s} = 7$ TeV with 4.9 fb⁻¹ of data (CMS)

Presenter: MARTIN, William Patrick (Brunel University (GB))

Contribution ID: 73

Type: **not specified**

POSTER: Top A_{FB} and charge asymmetry in chiral $U(1)'$ models with flavored higgs doublets

Presenter: Prof. KO, pyungwon (Korea Inst. for Advanced Study (KIAS))

Contribution ID: 74

Type: **not specified**

**POSTER: Measurement of the top quark pair
production cross-section with ATLAS in pp collisions
at $\sqrt{s}=7$ TeV in the single-lepton channel using
semileptonic b decays**

Presenter: MORRIS, John (University of London (GB))

Contribution ID: 75

Type: **not specified**

POSTER: Measurement of missing transverse energy in top pair events

Presenter: SYMONDS, Philip Hugh (Brunel University (GB))

Contribution ID: 76

Type: **not specified**

**POSTER: Search for the Standard Model Higgs boson
produced in association with top quarks in
proton-proton collisions at $\sqrt{s} = 7$ TeV using the
ATLAS detector**

Presenter: NACKENHORST, Olaf (Georg-August-Universitaet Goettingen (DE))

Contribution ID: 77

Type: **not specified**

TOP2013

Friday 21 September 2012 11:30 (10 minutes)

Presenter: HUSEMANN, Ulrich (KIT - Karlsruhe Institute of Technology (DE))