

Workshop on top physics at the LC 2017

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Session Classification: Overview session

Contribution ID: 2

Type: **not specified**

ILC overview

Presenter: FUJII, Keisuke (High Energy Accelerator Research Organization (JP))

Session Classification: Overview session

Contribution ID: 3

Type: **not specified**

CLIC overview

Presenter: ROBSON, Aidan (University of Glasgow (GB))

Session Classification: Overview session

Contribution ID: 4

Type: **not specified**

Recent LHC results

Presenter: GONZALEZ SUAREZ, Rebeca (University of Nebraska-Lincoln (US))

Session Classification: Overview session

Contribution ID: 5

Type: **not specified**

Unified approach to polarisation measurements

Wednesday 7 June 2017 09:00 (30 minutes)

Presenter: AGUILAR SAAVEDRA, Juan Antonio (LIP Laboratorio de Instrumentacao e Fisica Experimental de Part)

Session Classification: Introductory topical talks

Contribution ID: 6

Type: **not specified**

Top and precision calculations

Presenter: MITOV, Alexander (University of Cambridge (GB))

Session Classification: Introductory topical talks

Contribution ID: 7

Type: **not specified**

The EFT language

Presenter: RIVA, Francesco (CERN)

Session Classification: Introductory topical talks

Contribution ID: 8

Type: **not specified**

Update on the top threshold scan studies

Wednesday 7 June 2017 14:00 (30 minutes)

Presenter: SIMON, Frank (Max-Planck-Institut fuer Physik)

Session Classification: Top mass

Contribution ID: 9

Type: **not specified**

NNLO non-resonant and other electroweak corrections at threshold

Wednesday 7 June 2017 14:30 (30 minutes)

Presenter: RUIZ-FEMENIA, Pedro (Technische Universität München)

Session Classification: Top mass

Contribution ID: **10**

Type: **not specified**

Top mass from radiative events

Wednesday 7 June 2017 15:00 (30 minutes)

Presenters: VOS, Marcel (IFIC Valencia (ES)); Mr GOMIS LOPEZ, Pablo (IFIC (U. Valencia/CSIC))

Session Classification: Top mass

Contribution ID: 11

Type: **not specified**

Top invariant mass vs. PYTHIA (LHC and e+e-)

Wednesday 7 June 2017 15:30 (30 minutes)

Presenter: HOANG, Andre (University of Vienna)

Session Classification: Top mass

Contribution ID: 12

Type: **not specified**

Continuum & treshold matching

Wednesday 7 June 2017 16:30 (30 minutes)

Presenter: WIDL, Angelika (University of Vienna)

Session Classification: Top production

Contribution ID: 13

Type: **not specified**

One-loop EW corrections (form factor calculation)

Wednesday 7 June 2017 17:00 (30 minutes)

Presenter: LECHNER, Daniel (University of Vienna)

Session Classification: Top production

Contribution ID: 14

Type: **not specified**

The electroweak NLO correction to $e+e^- \rightarrow t\bar{t}$ and its spin correlation

Wednesday 7 June 2017 17:30 (35 minutes)

Presenters: MECAJ, Bianka (Ecole Polytechnique); MOSKALETS, Tetiana (C)

Session Classification: Top production

Contribution ID: 15

Type: **not specified**

Top-quark pair production in electron-positron collisions at NNLO QCD within the antenna subtraction framework

Wednesday 7 June 2017 18:05 (30 minutes)

Presenter: CHEN, Long (RWTH Aachen University)

Session Classification: Top production

Contribution ID: 16

Type: **not specified**

One-loop EW corrections to open $t\bar{t}$ production (with GRACE)

Presenter: QUACH, Nhi

Session Classification: Monte Carlo generators

Contribution ID: 17

Type: **not specified**

WHIZARD 2 & threshold-continuum matching

Presenter: CHOKOUFE, Bijan (DESY)

Session Classification: Monte Carlo generators

Contribution ID: **18**

Type: **not specified**

MadGraph for e+e- collisions

Presenter: MAWATARI, Kentaru

Session Classification: Monte Carlo generators

Contribution ID: 19

Type: **not specified**

Boosted top & jet reconstruction

Presenter: STROM, Lars Rickard (CERN)

Session Classification: Top reconstruction

Contribution ID: 20

Type: **not specified**

b-jet charge reconstruction

Presenter: BILOKIN, Sviatoslav (Universite de Paris-Sud 11 (FR))

Session Classification: Top reconstruction

Contribution ID: 21

Type: **not specified**

LCFIPlus status

Presenter: Dr MASAKAZU, Kurata (University of Tsukuba)

Session Classification: Top reconstruction

Contribution ID: 22

Type: **not specified**

CLIC luminosity spectrum reconstruction

Presenter: FULLANA TORREGROSA, Esteban (Univ. of Valencia and CSIC (ES))

Session Classification: Top reconstruction

Contribution ID: 23

Type: **not specified**

Top quark electroweak couplings at future lepton colliders

Thursday 8 June 2017 14:00 (30 minutes)

Presenter: RUSSELL, Michael (University of Glasgow)

Session Classification: Electroweak interactions

Contribution ID: 24

Type: **not specified**

Effective operators + application to $e+e^-$

Thursday 8 June 2017 14:30 (30 minutes)

Presenter: DURIEUX, Gauthier (DESY)

Session Classification: Electroweak interactions

Contribution ID: 25

Type: **not specified**

Fit of top EW couplings

Thursday 8 June 2017 15:00 (30 minutes)

Presenter: PERELLO ROSELLO, Martin (Univ. of Valencia and CSIC (ES))

Session Classification: Electroweak interactions

Contribution ID: 26

Type: **not specified**

Matrix element method

Thursday 8 June 2017 15:30 (30 minutes)

Presenter: SATO, Yo (Tohoku University)

Session Classification: Electroweak interactions

Contribution ID: 27

Type: **not specified**

Electroweak properties of the top

Presenter: SCHULZE, Markus

Session Classification: Electroweak interactions

Contribution ID: 28

Type: **not specified**

Top couplings in composite Higgs models

Thursday 8 June 2017 16:30 (30 minutes)

Presenter: PESKIN, Michael

Session Classification: Electroweak interactions

Contribution ID: 29

Type: **not specified**

EW fits and top physics at future e^+e^- colliders

Thursday 8 June 2017 17:00 (30 minutes)

Presenter: Dr DE BLAS, Jorge (University of Padova)

Session Classification: Electroweak interactions

Contribution ID: **30**

Type: **not specified**

Top and flavour

Friday 9 June 2017 09:00 (30 minutes)

Presenter: ZUPAN, Jure (University of Cincinnati)

Session Classification: Flavour change

Contribution ID: 31

Type: **not specified**

t->cH analysis

Friday 9 June 2017 09:30 (15 minutes)

Presenter: ZARNECKI, Aleksander Filip (University of Warsaw)

Session Classification: Flavour change

Contribution ID: 32

Type: **not specified**

t->cgamma analysis

Friday 9 June 2017 09:45 (15 minutes)

Presenter: VAN DER KOLK, Naomi (Max-Planck-Institut fur Physik (DE))

Session Classification: Flavour change

Contribution ID: 33

Type: **not specified**

Top exotica

Friday 9 June 2017 10:00 (30 minutes)

Presenter: SCHLAFFER, Matthias (Weizmann Institute of Science)

Session Classification: Flavour change

Contribution ID: 34

Type: **not specified**

Status of ongoing studies for FCC-ee

Friday 9 June 2017 12:00 (30 minutes)

Presenters: Prof. BLEKMAN, Freya (IIHE, Vrije Universiteit Brussel (BE)); AZZI, Patrizia (INFN Padova (IT))

Session Classification: Other topics

Contribution ID: 35

Type: **not specified**

Interpretation of $e^+e^- \rightarrow b\bar{b}$

Friday 9 June 2017 12:30 (30 minutes)

Presenter: RICHARD, Francois (LAL)

Session Classification: Other topics

Contribution ID: 36

Type: **not specified**

Discussion with input questions on open physics and analysis topics

Friday 9 June 2017 14:00 (1 hour)

Presenter: SIMON, Frank (Max-Planck-Institut fuer Physik)

Session Classification: Summary session

Contribution ID: 37

Type: **not specified**

Organisation of the write-up

Session Classification: Summary session

Contribution ID: **38**

Type: **not specified**

topLC 2018

Session Classification: Summary session

Contribution ID: 39

Type: **not specified**

QQbar threshold codes

Presenter: MAIER, Andreas

Session Classification: Monte Carlo generators

Contribution ID: 40

Type: **not specified**

Welcome

Session Classification: Overview session

Contribution ID: 41

Type: **not specified**

ILC overview

Thursday 8 June 2017 09:00 (30 minutes)

Presenter: FUJII, Keisuke (High Energy Accelerator Research Organization (JP))

Session Classification: Overview session

Contribution ID: 42

Type: **not specified**

CLIC overview

Thursday 8 June 2017 09:30 (30 minutes)

Presenter: ROBSON, Aidan (University of Glasgow (GB))

Session Classification: Overview session

Contribution ID: 43

Type: **not specified**

Recent LHC results

Thursday 8 June 2017 10:00 (30 minutes)

Presenter: GONZALEZ SUAREZ, Rebeca (University of Nebraska-Lincoln (US))

Session Classification: Overview session

Contribution ID: 44

Type: **not specified**

Top couplings

Presenter: AGUILAR SAAVEDRA, Juan Antonio (LIP Laboratorio de Instrumentacao e Fisica Experimental de Part)

Session Classification: Introductory topical talks

Contribution ID: 45

Type: **not specified**

Top and precision calculations

Thursday 8 June 2017 11:00 (30 minutes)

Presenter: MITOV, Alexander (University of Cambridge (GB))

Session Classification: Introductory topical talks

Contribution ID: 46

Type: **not specified**

The EFT language

Thursday 8 June 2017 11:30 (30 minutes)

Presenter: RIVA, Francesco (CERN)

Session Classification: Introductory topical talks

Contribution ID: 47

Type: **not specified**

The QQbar_threshold code

Wednesday 7 June 2017 09:30 (30 minutes)

Presenter: MAIER, Andreas (IPPP, Durham University)

Session Classification: Monte Carlo generators

Contribution ID: 48

Type: **not specified**

WHIZARD 2 & threshold-continuum matching

Wednesday 7 June 2017 10:00 (30 minutes)

Presenter: CHOKOUFE, Bijan (DESY)

Session Classification: Monte Carlo generators

Contribution ID: 49

Type: **not specified**

MadGraph for e+e- collisions

Presenter: MATTELAER, Olivier Pierre C (UCLouvain)

Session Classification: Monte Carlo generators

Contribution ID: 50

Type: **not specified**

One-loop EW corrections to open ttbar production (with GRACE)

Presenter: QUACH, Nhi

Session Classification: Monte Carlo generators

Contribution ID: 51

Type: **not specified**

Boosted top reconstruction and top asymmetry at CLIC high-energy stages

Wednesday 7 June 2017 11:00 (30 minutes)

Presenter: STROM, Lars Rickard (CERN)

Session Classification: Top reconstruction

Contribution ID: 52

Type: **not specified**

b-jet charge reconstruction

Wednesday 7 June 2017 11:30 (30 minutes)

Presenter: BILOKIN, Sviatoslav (Universite de Paris-Sud 11 (FR))

Session Classification: Top reconstruction

Contribution ID: 53

Type: **not specified**

LCFIPlus status

Wednesday 7 June 2017 12:00 (30 minutes)

Presenter: KURATA, Masakazu (University of Tsukuba)

Session Classification: Top reconstruction

Contribution ID: 54

Type: **not specified**

CLIC luminosity spectrum reconstruction

Wednesday 7 June 2017 12:30 (30 minutes)

Presenter: FULLANA TORREGROSA, Esteban (Univ. of Valencia and CSIC (ES))

Session Classification: Top reconstruction

Contribution ID: 55

Type: **not specified**

Welcome

Wednesday 7 June 2017 08:50 (10 minutes)

Session Classification: Introductory topical talks

Contribution ID: 56

Type: **not specified**

MadGraph for e+e- collisions

Thursday 8 June 2017 12:00 (30 minutes)

Presenter: MATTELAER, Olivier Pierre C (UCLouvain)

Session Classification: Monte Carlo generators

Contribution ID: 57

Type: **not specified**

One-loop EW corrections to open $t\bar{t}$ production (with GRACE)

Presenter: KURIHARA, Yoshimasa (KEK)

Session Classification: Monte Carlo generators