

# **TOP09 : Top quark physics - from the Tevatron to the LHC**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

# The Ubiquitous Top

*Monday, May 18, 2009 10:45 AM (1 hour)*

**Presenter:** LAENEN, Eric (Nikhef)

Contribution ID: 1

Type: **not specified**

## **The parton shower in $e^+e^- \rightarrow t \bar{t}$**

*Wednesday, May 20, 2009 2:00 PM (1 hour)*

**Presenter:** PESKIN, Michael (SLAC)

Contribution ID: 2

Type: **not specified**

## Recent Tevatron results on top physics

*Friday, May 22, 2009 2:00 PM (1 hour)*

**Presenter:** LISS, Tony (University of Illinois - Urbana)

Contribution ID: 3

Type: **not specified**

## **Top physics at ATLAS**

*Monday, May 25, 2009 10:00 AM (30 minutes)*

**Presenter:** COBAL, Marina (Universita' di Udine)

Contribution ID: 4

Type: **not specified**

## Top physics at CMS

*Monday, May 25, 2009 10:30 AM (30 minutes)*

**Presenter:** D'HONDT, Jorgen (ULB-VUB Brussels)

Contribution ID: 5

Type: **not specified**

## Warped Dimensions: The View from the Top

*Wednesday, May 27, 2009 2:00 PM (1 hour)*

**Presenter:** SUNDRUM, Raman (Johns Hopkins University)

Contribution ID: 6

Type: **not specified**

**TBA**

**Presenter:** WEBBER, Bryan (University of Cambridge)



Contribution ID: 7

Type: **not specified**

## **Topics to be discussed at the Institute**

*Monday, May 18, 2009 10:30 AM (15 minutes)*

Contribution ID: **8**

Type: **not specified**

## **Boosted tops (discussion)**

*Monday, May 18, 2009 3:00 PM (3 hours)*

Contribution ID: 9

Type: **not specified**

## **Boosted tops (discussion)**

*Tuesday, May 19, 2009 10:00 AM (2 hours)*

Contribution ID: **10**

Type: **not specified**

## **Top and heavy partners in Strong EWSB scenarios (discussion)**

*Tuesday, May 19, 2009 3:00 PM (3 hours)*

Contribution ID: **11**

Type: **not specified**

## **Informal meeting**

Contribution ID: 12

Type: **not specified**

## **CERN official holiday**

*Thursday, May 21, 2009 8:00 AM (10 hours)*

Contribution ID: **13**

Type: **not specified**

## **Tevatron data (discussion)**

*Friday, May 22, 2009 3:30 PM (2 hours)*

Contribution ID: **14**

Type: **not specified**

## **Prospects for top physics at the LHC (discussion)**

*Monday, May 25, 2009 11:00 AM (1h 30m)*



Contribution ID: 15

Type: **not specified**

## **EXP/TH round table on SM topics**

*Monday, May 25, 2009 3:00 PM (3 hours)*

Contribution ID: **16**

Type: **not specified**

## **EXP/TH round table on BSM topics**

*Tuesday, May 26, 2009 3:00 PM (2 hours)*

Contribution ID: 17

Type: **not specified**

## **Precision issues: the EW case (discussion)**

*Thursday, May 28, 2009 10:30 AM (2 hours)*

Contribution ID: **18**

Type: **not specified**

## **Resummation and top pair production**

*Friday, May 29, 2009 3:00 PM (30 minutes)*

**Presenter:** MITOV, Alexander (Stony Brook)

Contribution ID: **19**

Type: **not specified**

## Issues in top simulations

Contribution ID: **20**

Type: **not specified**

## **Single top (discussion)**

*Tuesday, June 2, 2009 11:00 AM (1h 30m)*

Contribution ID: **21**

Type: **not specified**

## **Anomalous couplings**

*Thursday, June 4, 2009 3:15 PM (2 hours)*

Contribution ID: 22

Type: **not specified**

## **The inside of a top jet**

*Monday, May 18, 2009 2:00 PM (30 minutes)*

**Presenter:** PEREZ, Gilad (Weizmann Institute)



Contribution ID: 23

Type: **not specified**

## Boosted tops

*Monday, May 18, 2009 2:30 PM (30 minutes)*

**Presenter:** SCHWARTZ, Matthew (Harvard University)

Contribution ID: 24

Type: **not specified**

## **Discovering the Top partners in same-sign dilepton events at the LHC**

*Tuesday, May 19, 2009 2:30 PM (30 minutes)*

**Presenter:** CONTINO, Roberto (Universita' di Roma La Sapienza)

Contribution ID: 25

Type: **not specified**

## **Spin Correlation Effects in T Tbar production at the LHC**

*Monday, May 25, 2009 2:00 PM (30 minutes)*

**Presenter:** PARKE, Stephen (Fermilab)

Contribution ID: 26

Type: **not specified**

## **Electroweak effects in top production**

*Thursday, May 28, 2009 9:30 AM (30 minutes)*

**Presenter:** KUEHN, Johann (Universitaet Karlsruhe, KIT)

Contribution ID: 27

Type: **not specified**

## **Top quark production at Tevatron and LHC - precision issues**

*Friday, May 29, 2009 2:30 PM (30 minutes)*

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

Contribution ID: **28**

Type: **not specified**

## **The NLO+NLL Top Total Cross Section**

*Friday, May 29, 2009 2:00 PM (30 minutes)*

**Presenter:** CACCIARI, Matteo (LPTHE)

Contribution ID: 29

Type: **not specified**

## **t-channel single top production**

*Tuesday, June 2, 2009 10:00 AM (30 minutes)*

**Presenter:** MALTONI, Fabio (Center for Particle Physics and Phenomenology Louvain-La-Neuve)

Contribution ID: **30**

Type: **not specified**

## **Composite top**

*Tuesday, May 26, 2009 2:00 PM (30 minutes)*

**Presenter:** TAIT, Tim (Northwestern University and Argonne National Laboratory)



Contribution ID: 31

Type: **not specified**

## **Resonances in the top quark sector**

*Tuesday, May 26, 2009 2:30 PM (30 minutes)*

**Presenter:** RODRIGO, German (IFIC Valencia)

Contribution ID: **32**

Type: **not specified**

## **The top quark mass**

*Thursday, May 28, 2009 10:00 AM (30 minutes)*

**Presenter:** MITOV, Alexander (YITP Stony Brook)

Contribution ID: 33

Type: **not specified**

## PDFs and top cross sections

*Friday, June 5, 2009 2:00 PM (30 minutes)*

**Presenter:** HUSTON, Joey (MSU)

Contribution ID: **34**

Type: **not specified**

## **Discussion on PDFs**

*Friday, June 5, 2009 3:30 PM (2 hours)*

Contribution ID: 35

Type: **not specified**

## Monte Carlo simulations for top physics

*Wednesday, June 3, 2009 10:00 AM (30 minutes)*

**Presenter:** WEBBER, Bryan (Cambridge University and CERN)

Contribution ID: **36**

Type: **not specified**

## **Issues in Monte Carlo simulations (discussion)**

*Wednesday, June 3, 2009 11:00 AM (1h 30m)*

Contribution ID: 37

Type: **not specified**

## **Use of top polarisation as a probe for new physics at the LHC**

*Monday, May 25, 2009 2:30 PM (30 minutes)*

**Presenter:** GODBOLE, Rohini (Indian Institute of Science, Bangalore)

Contribution ID: **38**

Type: **not specified**

## **CERN official holiday**

*Monday, June 1, 2009 8:00 AM (10 hours)*



Contribution ID: 39

Type: **not specified**

## **Top anomalous couplings from effective operators: a minimal set**

*Thursday, June 4, 2009 2:00 PM (45 minutes)*

**Presenter:** AGUILAR-SAAVEDRA, Juan Antonio (University of Granada)

Contribution ID: 40

Type: **not specified**

## **Kinematic distributions of the decay fermions in top decay $\rightarrow$ and anomalous couplings**

*Thursday, June 4, 2009 2:45 PM (30 minutes)*

**Presenter:** SINGH, Ritesh (University of Wurzburg)

Contribution ID: 41

Type: **not specified**

## **What top mass is measured at Tevatron and LHC (?)**

*Tuesday, June 2, 2009 10:30 AM (20 minutes)*

**Presenter:** HOANG, Andre (Max-Planck-Institute for Physics)

Contribution ID: 42

Type: **not specified**

## **Top physics and strong electroweak symmetry breaking**

*Tuesday, May 19, 2009 2:00 PM (30 minutes)*

**Presenter:** GRIPAIOS, Ben (CERN)

Contribution ID: 43

Type: **not specified**

# The top quark forward-backward asymmetry and new physics contributions

*Friday, May 22, 2009 3:00 PM (30 minutes)*

**Presenter:** WELLS, James (CERN)

Contribution ID: 44

Type: **not specified**

## **Boosted tops (discussion)**

*Wednesday, May 20, 2009 3:00 PM (1 hour)*

Contribution ID: 45

Type: **not specified**

## **Boosted tops (discussion)**

*Wednesday, May 20, 2009 4:00 PM (2 hours)*

Contribution ID: 46

Type: **not specified**

## **Bottom fragmentation and impact on the top mass reconstruction**

*Wednesday, June 3, 2009 10:30 AM (30 minutes)*

**Presenter:** CORCELLA, Gennaro (Centro E Fermi, Roma, and SNS, Pisa)



Contribution ID: 47

Type: **not specified**

## **PDF uncertainties in top pair production at the LHC**

*Friday, June 5, 2009 2:45 PM (30 minutes)*

**Presenter:** ROJO, Juan (INFN Milano)

Contribution ID: 48

Type: **not specified**

## Remarks on b-quark and c-quark PDFs

*Friday, June 5, 2009 2:30 PM (15 minutes)*

**Presenter:** PUMPLIN, Jon (MSU)