

**LC09**

# **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Scenario for an International Collider

*Monday, September 21, 2009 9:30 AM (45 minutes)*

**Presenter:** RICHARD, Francois (LAL, Orsay)

**Session Classification:** Status of the Linear Collider project and the connection with Dark Matter

Contribution ID: 1

Type: **not specified**

## Physical Problems for Photon Colliders at the LC

*Monday, September 21, 2009 10:45 AM (45 minutes)*

**Presenter:** GINZBURG, Ilya (Sobolev Institute of Mathematics, Novosibirsk)

**Session Classification:** Status of the Linear Collider project and the connection with Dark Matter

Contribution ID: 2

Type: **not specified**

## Gravitino Dark Matter

*Monday, September 21, 2009 11:30 AM (45 minutes)*

**Presenter:** COVI, Laura (DESY, Hamburg)

**Session Classification:** Status of the Linear Collider project and the connection with Dark Matter

Contribution ID: 3

Type: **not specified**

## Indirect Dark Matter detection at the time of Fermi and Pamela

*Monday, September 21, 2009 12:15 PM (45 minutes)*

**Presenter:** ULLIO, Piero (SISSA, Trieste)

**Session Classification:** Status of the Linear Collider project and the connection with Dark Matter

Contribution ID: 4

Type: **not specified**

## Precision Calculations of Vector Boson Production in Association with jets

*Monday, September 21, 2009 2:30 PM (30 minutes)*

**Presenter:** ZANDERIGHI, Giulia (Oxford University)

**Session Classification:** Working group on Electroweak Physics

Contribution ID: 5

Type: **not specified**

## **Anomalous $\chi$ Sudakov $\chi$ Form $\chi$ Factors**

*Monday, September 21, 2009 3:00 PM (30 minutes)*

**Presenter:** COMELLI, Denis (INFN Ferrara)

**Session Classification:** Working group on Electroweak Physics

Contribution ID: 6

Type: **not specified**

## Full 1-loop EW Corrections to $e^+ e^-$ into 3 jets at Linear Colliders with Flavour Identification and Event Orientation

*Monday, September 21, 2009 3:30 PM (30 minutes)*

**Presenter:** CARLONI CALAME, Carlo Michel (University of Southampton)

**Session Classification:** Working group on Electroweak Physics



Contribution ID: 7

Type: **not specified**

## **AMS02 and Dark Matter**

*Tuesday, September 22, 2009 9:00 AM (30 minutes)*

**Presenter:** FIANDRINI, Emanuele (University of Perugia)

**Session Classification:** Dark Matter search with space experiments and Cosmology

Contribution ID: 8

Type: **not specified**

## The Quest for Dark Matter with the Fermi experiment

*Tuesday, September 22, 2009 9:30 AM (30 minutes)*

**Presenter:** MORSELLI, Aldo (INFN RomaII)

**Session Classification:** Dark Matter search with space experiments and Cosmology

Contribution ID: 9

Type: **not specified**

## Evolution of Universe to the Present Inerth Fase

*Tuesday, September 22, 2009 10:00 AM (30 minutes)*

**Presenter:** KRAWCZYK, Maria (Warsaw U.)

**Session Classification:** Dark Matter search with space experiments and Cosmology

Contribution ID: 10

Type: **not specified**

## Top Quark Physics at ILC and Hadron Collider

*Tuesday, September 22, 2009 10:45 AM (30 minutes)*

**Presenter:** LAENEN, Eric (NIKHEF, Amsterdam)

**Session Classification:** Working group on Top and QCD physics

Contribution ID: 11

Type: **not specified**

## Top Quarks: experimental results from Tevatron and prospects at LHC and ILC

*Tuesday, September 22, 2009 11:15 AM (30 minutes)*

**Presenter:** GRESELE, Ambra (INFN Padova -Trento)

**Session Classification:** Working group on Top and QCD physics

Contribution ID: 12

Type: **not specified**

# Higher $\times$ Orders $\times$ and $\times$ Resummations $\times$ for Precision Physics

*Tuesday, September 22, 2009 11:45 AM (30 minutes)*

**Presenter:** BOZZI, Giuseppe (INFN Milano)

**Session Classification:** Working group on Top and QCD physics

Contribution ID: 13

Type: **not specified**

## Event Shapes and a New Measurement of $\alpha_s$

*Tuesday, September 22, 2009 12:15 PM (30 minutes)*

**Presenter:** LUISONI, Gionata (Zurich U.)

**Session Classification:** Working group on Top and QCD physics

Contribution ID: 14

Type: **not specified**

## **Astroparticle Physics View on Supersymmetry: Impact of Cosmology and Dark Matter Searches**

*Tuesday, September 22, 2009 2:00 PM (30 minutes)*

**Presenter:** FORNENGO, Nicolao (University of Torino)

**Session Classification:** Working group on SUSY



Contribution ID: 15

Type: **not specified**

## Long Lived Staus at Future Colliders

*Tuesday, September 22, 2009 2:30 PM (30 minutes)*

**Presenter:** IBARRA, Alejandro (Technical U., Munich)

**Session Classification:** Working group on SUSY

Contribution ID: 16

Type: **not specified**

## Lepton Flavour Violation in Staus Decays at the LHC/ILC

*Tuesday, September 22, 2009 3:00 PM (30 minutes)*

**Presenter:** GOMEZ, Mario E. (University of Huelva)

**Session Classification:** Working group on SUSY

Contribution ID: 17

Type: **not specified**

## Lepton Flavour Violation at an Electron-Photon Collider

*Tuesday, September 22, 2009 3:30 PM (30 minutes)*

**Presenter:** TSUMURA, Koiji (ICTP, Trieste)

**Session Classification:** Working group on SUSY

Contribution ID: 18

Type: **not specified**

## Micromegas: A Tool for Dark Matter Studies

*Tuesday, September 22, 2009 4:15 PM (30 minutes)*

**Presenter:** BELANGER, Genevieve (LAPP, Annecy)

**Session Classification:** Working group on Tools

Contribution ID: 19

Type: **not specified**

## The "Torino code": Numerical Tools for Particle Dark Matter

*Tuesday, September 22, 2009 4:45 PM (30 minutes)*

**Presenter:** FORNENGO, Nicolao (University of Torino)

**Session Classification:** Working group on Tools

Contribution ID: 20

Type: **not specified**

## Collider Phenomenology with CalcHEP with CalcHEP

*Tuesday, September 22, 2009 5:15 PM (30 minutes)*

**Presenter:** BELYAEV, Alexander (University of Southampton)

**Session Classification:** Working group on Tools

Contribution ID: 21

Type: **not specified**

## **Technicolor @ Collider**

*Wednesday, September 23, 2009 9:00 AM (30 minutes)*

**Presenter:** SANNINO, Francesco (CP3-Origins SDU, Denmark)

**Session Classification:** Working group on Higgs physics

Contribution ID: 22

Type: **not specified**

**Possible Evolution of Vacuum States and  
Phase Transitions in 2HDM During Cooling  
of the Universe and Problems for ILC/LHC**



Contribution ID: 23

Type: **not specified**

## Possible Evolution of Vacuum States and Phase Transitions in 2HDM During Cooling of the Universe and Problems for ILC/LHC

*Wednesday, September 23, 2009 9:30 AM (30 minutes)*

**Presenter:** GINZBURG, Ilya (Sobolev Institute of Mathematics, Novosibirsk)

**Session Classification:** Working group on Higgs physics

Contribution ID: 24

Type: **not specified**

## Neutralino $\chi$ Dark Matter $\chi$ in $\chi$ non-universal $\chi$ and $\chi$ non-minimal $\chi$ SUSY

*Wednesday, September 23, 2009 10:00 AM (30 minutes)*

**Presenter:** KING, Stephen F. (University of Southampton)

**Session Classification:** Working group on Higgs physics

Contribution ID: 25

Type: **not specified**

## Measurements of Model Parameters in the Littlest Higgs Model with T-parity in ILC

*Wednesday, September 23, 2009 10:30 AM (30 minutes)*

**Presenter:** ASANO, Masaki (ICRR, Tokyo)

**Session Classification:** Working group on Higgs physics

Contribution ID: 26

Type: **not specified**

## Update on ILC Accelerator Design and Linear Colliders R&D

*Wednesday, September 23, 2009 11:15 AM (45 minutes)*

**Presenter:** GUIDUCCI, Susanna (INFN Laboratori nazionali di Frascati)

**Session Classification:** Working group on Higgs physics

Contribution ID: 27

Type: **not specified**

## Higgs in Space!

*Wednesday, September 23, 2009 12:00 PM (30 minutes)*

**Presenter:** SERVANT, Geraldine (CERN, Geneva)

**Session Classification:** Working group on physics beyond the Standard Model

Contribution ID: 28

Type: **not specified**

## Using LHC and ILC Data to Constrain the Early Universe Properties

*Wednesday, September 23, 2009 2:00 PM (30 minutes)*

**Presenter:** ARBEY, Alexander (IPN, Lyon)

**Session Classification:** Working group on physics beyond the Standard Model

Contribution ID: 29

Type: **not specified**

## Probing $\text{Kaluza-Klein}$ Leptons at the $\text{International Linear Collider}$

*Wednesday, September 23, 2009 2:30 PM (30 minutes)*

**Presenter:** BHATTACHARYYA, Gautam (Saha Institute of Nuclear Physics, Kolkata)

**Session Classification:** Working group on physics beyond the Standard Model

Contribution ID: 30

Type: **not specified**

## Higgs $\rightarrow$ $\gamma\gamma$ Beyond the Standard Model

*Wednesday, September 23, 2009 3:00 PM (30 minutes)*

**Presenter:** LODRA-PEREZ, Jeremie (IPN, Lyon)

**Session Classification:** Working group on physics beyond the Standard Model



Contribution ID: 31

Type: **not specified**

## Probing the $Z'$ Sector of the Minimal $B-L$ Model at Future Linear Colliders

*Wednesday, September 23, 2009 3:30 PM (30 minutes)*

**Presenter:** PRUNA, Giovanni Marco (University of Southampton)

**Session Classification:** Working group on physics beyond the Standard Model

Contribution ID: 32

Type: **not specified**

## Higgs Self-Couplings in 2HDM - LHC vs. $\gamma\gamma$ Collider

*Wednesday, September 23, 2009 5:15 PM (30 minutes)*

**Presenter:** SANTOS, Rui (University of Southampton)

**Session Classification:** Working group on VBF and Gamma-Gamma

Contribution ID: 33

Type: **not specified**

## Anomalous $\gamma\gamma$ Couplings in $\gamma\gamma$ --> $WW$ at LHC and ILC

*Wednesday, September 23, 2009 5:45 PM (30 minutes)*

**Presenter:** VON MANTEUFFEL, Andreas (University of Zurich)

**Session Classification:** Working group on VBF and Gamma-Gamma

Contribution ID: 34

Type: **not specified**

## Higgs Lepton Flavor Violation at the Photon Collider and LHC

*Wednesday, September 23, 2009 6:15 PM (30 minutes)*

**Presenter:** CANNONI, Mirco (University of Perugia)

**Session Classification:** Working group on VBF and Gamma-Gamma

Contribution ID: 35

Type: **not specified**

# Physics at CLIC and Cosmology New Physics Scenarios and Experimental Challenges

*Thursday, September 24, 2009 9:00 AM (45 minutes)*

**Presenter:** BATTAGLIA, Marco (University of Berkeley and CERN)

**Session Classification:** General discussion on the Dark Matter and the Linear Collider programs

Contribution ID: 36

Type: **not specified**

## **DM and Flavor Physics at the LC epoch?**

**Presenter:** MASIERO, Antonio (University of Padova)

Contribution ID: 37

Type: **not specified**

## Indirect Detection of WIMP Dark Matter

*Thursday, September 24, 2009 9:45 AM (45 minutes)*

**Presenter:** LIPARI, Paolo (INFN Roma I)

**Session Classification:** General discussion on the Dark Matter and the Linear Collider programs

Contribution ID: 38

Type: **not specified**

## Use of Polarisation at the ILC

*Thursday, September 24, 2009 11:00 AM (45 minutes)*

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

**Session Classification:** General discussion on the Dark Matter and the Linear Collider programs



Contribution ID: 39

Type: **not specified**

## **DM and Flavor Physics at the LC epoch?**

*Wednesday, September 23, 2009 4:30 PM (45 minutes)*

**Presenter:** MASIERO, Antonio (University of Padova)

**Session Classification:** Special Seminar on theoretical perspectives

Contribution ID: 40

Type: **not specified**

## End of the workshop

*Thursday, September 24, 2009 11:45 AM (15 minutes)*

**Session Classification:** General discussion on the Dark Matter and the Linear Collider programs