

TOOLS 2010 - Tools for SUSY and the New Physics, Sharpening our Tools

Report of Contributions

Contribution ID: 0

Type: **not specified**

The Physics of EWSB

Tuesday 29 June 2010 10:30 (1 hour)

Author: DJOUADI, Abdelhak (LPT Orsay/CERN - Orsay - France)

Presenter: DJOUADI, Abdelhak (LPT Orsay/CERN - Orsay - France)

Session Classification: A. Djouadi

Contribution ID: 1

Type: **not specified**

MC requirements for the CMS experiment

Tuesday 29 June 2010 11:30 (1 hour)

Author: SEKMEN, Sezen (FSU - Tallahassee - U.S.A.)

Presenter: SEKMEN, Sezen (FSU - Tallahassee - U.S.A.)

Session Classification: S. Sekmen

Contribution ID: 2

Type: **not specified**

Recent developments and results in theoretical, perturbative QCD

Tuesday 29 June 2010 14:00 (1 hour)

Author: PITTAU, Roberto (University of Granada, Granada, Spain)

Presenter: PITTAU, Roberto (University of Granada, Granada, Spain)

Session Classification: R. Pittau

Contribution ID: 3

Type: **not specified**

On-shell methods for $t\bar{t}$ + jets with polarization

Tuesday 29 June 2010 15:00 (30 minutes)

Author: LARKOSKI, Andrew (SLAC National Accelerator Lab - Menlo Park - U.S.A.)

Presenter: LARKOSKI, Andrew (SLAC National Accelerator Lab - Menlo Park - U.S.A.)

Session Classification: A. Larkoski

Contribution ID: 4

Type: **not specified**

HERWIRI

Tuesday 29 June 2010 15:30 (30 minutes)

Author: MAJHI, Swapan, K. (Saha Institute of Nuclear Physics, Kolkata, India)

Presenter: MAJHI, Swapan, K. (Saha Institute of Nuclear Physics, Kolkata, India)

Session Classification: S. Majhi

Contribution ID: 5

Type: **not specified**

Update on Direct Searches for WIMP Dark Matter

Tuesday 29 June 2010 16:30 (1 hour)

Author: SPOONER, Neil (University of Sheffield, Sheffield, UK)

Presenter: SPOONER, Neil (University of Sheffield, Sheffield, UK)

Session Classification: N. Spooner

Contribution ID: 6

Type: **not specified**

PYTHIA 8 Tutorial

Tuesday 29 June 2010 17:30 (1 hour)

Author: CORKE, Richard (Department of Astronomy and Theoretical Physics, Lund University, Lund, Sweden)

Presenter: CORKE, Richard (Department of Astronomy and Theoretical Physics, Lund University, Lund, Sweden)

Session Classification: R. Corke

Contribution ID: 8

Type: **not specified**

Automatized full one-loop renormalization of the MSSM

Wednesday 30 June 2010 09:00 (30 minutes)

Author: BARO, Nans (RWTH Aachen University, Aachen, GERMANY)

Presenter: BARO, Nans (RWTH Aachen University, Aachen, GERMANY)

Session Classification: N. Baro

Contribution ID: 9

Type: **not specified**

MWT@LHC: implementations and collider studies of MWT using MC

Wednesday 30 June 2010 09:30 (30 minutes)

Author: FRANDSEN, Mads Toudal (Oxford, UK)

Presenter: FRANDSEN, Mads Toudal (Oxford, UK)

Session Classification: M. T. Frandsen

Contribution ID: **10**

Type: **not specified**

CHARYBDIS2: Modelling higher dimensional black hole events

Wednesday 30 June 2010 10:00 (30 minutes)

Author: SAMPAIO, Marco (Centro de Física do Porto, Porto University, Porto, PORTUGAL)

Presenter: SAMPAIO, Marco (Centro de Física do Porto, Porto University, Porto, PORTUGAL)

Session Classification: M. Sampaio

Contribution ID: 11

Type: **not specified**

HiggsBounds: Using results from the Higgs searches at LEP and the Tevatron to constrain extensions of the Standard Model

Wednesday 30 June 2010 10:30 (30 minutes)

Author: WILLIAMS, Karina (Bonn University, Bonn, GERMANY)

Presenter: WILLIAMS, Karina (Bonn University, Bonn, GERMANY)

Session Classification: K. Williams

Contribution ID: 12

Type: **not specified**

Feynrules Tutorial

Wednesday 30 June 2010 11:30 (1 hour)

Author: DUHR, Claude (IPPP/Durham, Durham, UK)

Presenter: DUHR, Claude (IPPP/Durham, Durham, UK)

Session Classification: C. Duhr

Contribution ID: 13

Type: **not specified**

Automatic generation of Feynman rules with LanHEP

Wednesday 30 June 2010 14:00 (30 minutes)

Author: SEMENOV, Andrey (JINR, Dubna, RUSSIA)

Presenter: SEMENOV, Andrey (JINR, Dubna, RUSSIA)

Session Classification: A. Semenov

Contribution ID: 14

Type: **not specified**

FeynArts Tutorial

Wednesday 30 June 2010 14:30 (1 hour)

Author: HAHN, Thomas (MPI f. Physik, Munich, GERMANY)

Presenter: HAHN, Thomas (MPI f. Physik, Munich, GERMANY)

Session Classification: T. Hahn

Contribution ID: 15

Type: **not specified**

Status of CalcHEP

Wednesday 30 June 2010 15:30 (30 minutes)

Author: CHRISTENSEN, Neil (University of Wisconsin, Madison, U.S.A.)

Presenter: CHRISTENSEN, Neil (University of Wisconsin, Madison, U.S.A.)

Session Classification: N. Christensen

Contribution ID: 16

Type: **not specified**

Status of the WHIZARD package

Wednesday 30 June 2010 16:30 (30 minutes)

Author: SPECKNER, Christian (Universität Freiburg, Freiburg, GERMANY)

Presenter: SPECKNER, Christian (Universität Freiburg, Freiburg, GERMANY)

Session Classification: C. Speckner

Contribution ID: 17

Type: **not specified**

Status of Madgraph5

Wednesday 30 June 2010 17:00 (30 minutes)

Author: MATTELAER, Olivier (INFN-Roma Tre, Roma, ITALY)

Presenter: MATTELAER, Olivier (INFN-Roma Tre, Roma, ITALY)

Session Classification: O. Mattelaer

Contribution ID: **18**

Type: **not specified**

Overview of supersymmetric dark matter

Thursday 1 July 2010 09:00 (1 hour)

Author: ELLIS, John (CERN, Geneva, SWITZERLAND)

Presenter: ELLIS, John (CERN, Geneva, SWITZERLAND)

Session Classification: J. Ellis

Contribution ID: 19

Type: **not specified**

Indirect detection of dark matter, current status and recent results

Thursday 1 July 2010 10:00 (1 hour)

Author: MORSELLI, Aldo (INFN Roma Tor Vergata, Roma, ITALY)

Presenter: MORSELLI, Aldo (INFN Roma Tor Vergata, Roma, ITALY)

Session Classification: A. Morselli

Contribution ID: 20

Type: **not specified**

MicroOmegas Tutorial

Thursday 1 July 2010 11:30 (1 hour)

Author: BELANGER, Genevieve (LAPTH, Annecy-le-Vieux, FRANCE)

Presenter: BELANGER, Genevieve (LAPTH, Annecy-le-Vieux, FRANCE)

Session Classification: G. Belanger

Contribution ID: 21

Type: **not specified**

Flavor physics phenomenology

Thursday 1 July 2010 14:00 (1 hour)

Author: HILLER, Gudrun (Ludwig-Maximilians-Univ. Muenchen)

Presenter: HILLER, Gudrun (Ludwig-Maximilians-Univ. Muenchen)

Session Classification: G. Hiller

Contribution ID: 22

Type: **not specified**

Status of SuperIso and SuperIso Relic

Thursday 1 July 2010 15:00 (30 minutes)

Author: MAHMOUDI, Nazila (LPC Clermont, Clermont-Ferrand, FRANCE)

Presenter: MAHMOUDI, Nazila (LPC Clermont, Clermont-Ferrand, FRANCE)

Session Classification: N. Mahmoudi

Contribution ID: 23

Type: **not specified**

Looking for Dark Matter at Leptonic Colliders

Thursday 1 July 2010 16:00 (30 minutes)

Author: BARZÈ, Luca (University of Pavia, Pavia, ITALY)

Presenter: BARZÈ, Luca (University of Pavia, Pavia, ITALY)

Session Classification: L. Barzè

Contribution ID: 24

Type: **not specified**

SFitter

Friday 2 July 2010 09:00 (30 minutes)

Author: RENAUD, Adrien (Lab. de l'Accelérateur Lineaire (IN2P3) (LAL)-Universite de Pari)

Presenter: RENAUD, Adrien (Lab. de l'Accelérateur Lineaire (IN2P3) (LAL)-Universite de Pari)

Session Classification: A. Renaud

Contribution ID: 25

Type: **not specified**

Incorporating Event Rates Into MSSM Parameter Determinations

Friday 2 July 2010 09:30 (30 minutes)

Author: O'LEARY, Ben (RWTH Aachen University, Aachen, GERMANY)

Presenter: O'LEARY, Ben (RWTH Aachen University, Aachen, GERMANY)

Session Classification: B. O'Leary

Contribution ID: 26

Type: **not specified**

SARAH Package

Friday 2 July 2010 10:00 (30 minutes)

Author: STAUB, Florian (University Wuerzburg, Wuerzburg, GERMANY)

Presenter: STAUB, Florian (University Wuerzburg, Wuerzburg, GERMANY)

Session Classification: F. Staub

Contribution ID: 27

Type: **not specified**

Genetic Algorithms: New Tools to Explore Supersymmetric Parameter Spaces

Friday 2 July 2010 10:30 (30 minutes)

Author: AKRAMI, Yashar (Oskar Klein Centre for Cosmoparticle Physics, Stockholm University, Stockholm, SWEDEN)

Presenter: AKRAMI, Yashar (Oskar Klein Centre for Cosmoparticle Physics, Stockholm University, Stockholm, SWEDEN)

Session Classification: Y. Akrami

Contribution ID: **28**

Type: **not specified**

2HDMC

Friday 2 July 2010 11:30 (30 minutes)

Author: RATHSMAN, Johan (Uppsala University, Uppsala, SWEDEN)

Presenter: RATHSMAN, Johan (Uppsala University, Uppsala, SWEDEN)

Session Classification: J. Rathsman

Contribution ID: 29

Type: **not specified**

HFOLD a program package for calculationg MSSM two-body Higgs decays at full one-loop level

Friday 2 July 2010 12:00 (30 minutes)

Author: FRISCH, Wolfgang (HEPHY Vienna, Vienna, AUSTRIA)

Presenter: FRISCH, Wolfgang (HEPHY Vienna, Vienna, AUSTRIA)

Session Classification: W. Frisch

Contribution ID: **30**

Type: **not specified**

Summary

Friday 2 July 2010 12:30 (30 minutes)

Author: BOUDJEMA, Fawzi (CNRS)

Presenter: BOUDJEMA, Fawzi (CNRS)

Session Classification: F. Boudjema

Contribution ID: **31**

Type: **not specified**

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Presenter: ACCOMANDO, Elena (NExT Institute)

Contribution ID: **33**

Type: **not specified**

MC Review

Wednesday 30 June 2010 17:30 (1 hour)

Presenter: Dr RICHARDSON, Peter (Durham University)

Session Classification: P. Richardson

Contribution ID: 34

Type: **not specified**

Collider Round-table

Wednesday 30 June 2010 18:30 (1 hour)

Presenter: BELYAEV, Alexander

Session Classification: A. Belyaev: Discussion Leader of the Collider Round-table