

CP Violation and Nonstandard Higgs Physics

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Friday 14 May 2004 09:00 (10 minutes)

Author: KRAML, S. (ÖAW & CERN)

Presenter: KRAML, S. (ÖAW & CERN)

Session Classification: CP and CP violation in the Higgs sector

Contribution ID: 2

Type: **not specified**

Large mixing in the CP violating Higgs sector in the decoupling limit

Friday 14 May 2004 12:20 (20 minutes)

Author: KALINOWSKI, J. (Warsaw U.)

Presenter: KALINOWSKI, J. (Warsaw U.)

Session Classification: CP and CP violation in the Higgs sector

Contribution ID: 3

Type: **not specified**

Higgs bosons in the two-doublet model with explicit CP violation

Friday 14 May 2004 12:40 (20 minutes)

Author: DUBININ, M. (Moscow)

Presenter: DUBININ, M. (Moscow)

Session Classification: CP and CP violation in the Higgs sector

Contribution ID: 4

Type: **not specified**

Search for neutral Higgs bosons in CP-violating MSSM scenarios at OPAL

Friday 14 May 2004 11:40 (20 minutes)

Author: FERRARI, P. (CERN)

Presenter: FERRARI, P. (CERN)

Session Classification: CP and CP violation in the Higgs sector

Contribution ID: 5

Type: **not specified**

Status of predictions for Higgs production at the LHC

Friday 14 May 2004 09:40 (30 minutes)

Author: ZEPPENFELD, D. (Karlsruhe U.)

Presenter: ZEPPENFELD, D. (Karlsruhe U.)

Session Classification: CP and CP violation in the Higgs sector

Contribution ID: 6

Type: **not specified**

Two-Higgs-doublet models

Friday 14 May 2004 10:10 (30 minutes)

Author: KRAWCZYK, M. (Warsaw U.)

Presenter: KRAWCZYK, M. (Warsaw U.)

Session Classification: CP and CP violation in the Higgs sector

Contribution ID: 7

Type: **not specified**

CP studies of the Higgs sector

Friday 14 May 2004 09:10 (30 minutes)

Author: GODBOLE, R. (CTS Bangalore)

Presenter: GODBOLE, R. (CTS Bangalore)

Session Classification: CP and CP violation in the Higgs sector

Contribution ID: 8

Type: **not specified**

MSSM Higgs sector with CP violation

Friday 14 May 2004 11:10 (30 minutes)

Author: LEE, J.S. (Manchester U.)

Presenter: LEE, J.S. (Manchester U.)

Session Classification: CP and CP violation in the Higgs sector

Contribution ID: 9

Type: **not specified**

CPsuperH / Feynhiggs comparison

Friday 14 May 2004 12:00 (20 minutes)

Author: HEINEMEYER, S. (CERN, TH)

Presenter: HEINEMEYER, S. (CERN, TH)

Session Classification: CP and CP violation in the Higgs sector

Contribution ID: **10**

Type: **not specified**

Non-standard Higgs physics

Saturday 15 May 2004 09:00 (30 minutes)

Author: RATTAZZI, R. (CERN, TH)

Presenter: RATTAZZI, R. (CERN, TH)

Session Classification: Non-standard Higgs scenarios

Contribution ID: **11**

Type: **not specified**

NMSSM

Saturday 15 May 2004 09:30 (30 minutes)

Author: MILLER, D. (Edinburgh U.)

Presenter: MILLER, D. (Edinburgh U.)

Session Classification: Non-standard Higgs scenarios

Contribution ID: 12

Type: **not specified**

Higgs bosons in the minimal nonminimal supersymmetric standard model

Saturday 15 May 2004 10:00 (20 minutes)

Author: PILAFTSIS, A. (Manchester U.)

Presenter: PILAFTSIS, A. (Manchester U.)

Session Classification: Non-standard Higgs scenarios

Contribution ID: 13

Type: **not specified**

Little Higgs

Saturday 15 May 2004 10:50 (20 minutes)

Author: GREGOIRE, T. (CERN, TH)

Presenter: GREGOIRE, T. (CERN, TH)

Session Classification: Non-standard Higgs scenarios

Contribution ID: 14

Type: **not specified**

Little Higgs and EW precision data

Saturday 15 May 2004 11:10 (20 minutes)

Author: DEANDREA, A. (Lyon U.)

Presenter: DEANDREA, A. (Lyon U.)

Session Classification: Non-standard Higgs scenarios

Contribution ID: 15

Type: **not specified**

Little Higgs in ATLAS

Saturday 15 May 2004 11:30 (20 minutes)

Author: LECHOWSKI, M. (LAL Orsay)

Presenter: LECHOWSKI, M. (LAL Orsay)

Session Classification: Non-standard Higgs scenarios

Contribution ID: 16

Type: **not specified**

Higgs in strong electroweak symmetry breaking

Saturday 15 May 2004 11:50 (30 minutes)

Author: VAN DER BIJ, J. (Freiburg U.)

Presenter: VAN DER BIJ, J. (Freiburg U.)

Session Classification: Non-standard Higgs scenarios

Contribution ID: 17

Type: **not specified**

Expected CMS statistics for H -> ZZ(*) -> 4l and MC needs for CP/spin studies of Higgs

Friday 14 May 2004 15:10 (20 minutes)

Author: NIKITENKO, A. (Imperial College)

Presenter: NIKITENKO, A. (Imperial College)

Session Classification: CP and CP violation in the Higgs sector

Contribution ID: 18

Type: **not specified**

Likelihood-based analysis of SM-Higgs coupling structure at the LHC

Friday 14 May 2004 15:50 (20 minutes)

Author: MARQUARD, P. (Durham)

Presenter: MARQUARD, P. (Durham)

Session Classification: CP and CP violation in the Higgs sector

Contribution ID: 19

Type: **not specified**

A ME-Generator for non-SM Higgs-couplings and analysis of spin/CP-dependent variables

Friday 14 May 2004 15:30 (20 minutes)

Author: BUSZELLO, C. (Imperial College)

Presenter: BUSZELLO, C. (Imperial College)

Session Classification: CP and CP violation in the Higgs sector

Contribution ID: 20

Type: **not specified**

CP of a light Higgs scalar in $t\bar{t}h$ production at the LHC

Friday 14 May 2004 16:30 (20 minutes)

Author: MCGARVIE, S. (Royal Holloway)

Presenter: MCGARVIE, S. (Royal Holloway)

Session Classification: CP and CP violation in the Higgs sector

Contribution ID: 21

Type: **not specified**

Investigation of the discovery potential of Higgs bosons in the CPX scenario in ATLAS

Friday 14 May 2004 16:10 (20 minutes)

Author: SCHUMACHER, M. (Bonn U.)

Presenter: SCHUMACHER, M. (Bonn U.)

Session Classification: CP and CP violation in the Higgs sector

Contribution ID: 22

Type: **not specified**

Higgs sector CP violation in top quark pair production at the LHC

Friday 14 May 2004 17:20 (20 minutes)

Author: BERNREUTHER, W. (RWTH Aachen)

Presenter: BERNREUTHER, W. (RWTH Aachen)

Session Classification: CP and CP violation in the Higgs sector

Contribution ID: 23

Type: **not specified**

Tau polarization at a photon collider

Friday 14 May 2004 17:40 (20 minutes)

Author: GODBOLE, R. (CTS Bangalore)

Presenter: GODBOLE, R. (CTS Bangalore)

Session Classification: CP and CP violation in the Higgs sector

Contribution ID: 24

Type: **not specified**

Impact of SUSY CP phases on stop, sbottom and stau decays

Friday 14 May 2004 18:00 (20 minutes)

Author: HESSELBACH, S. (Vienna U.)

Presenter: HESSELBACH, S. (Vienna U.)

Session Classification: CP and CP violation in the Higgs sector

Contribution ID: 25

Type: **not specified**

Double Higgs production in 2HDM in the decoupling limit

Friday 14 May 2004 18:20 (20 minutes)

Author: POLOSA, A. (CERN, TH)

Presenter: POLOSA, A. (CERN, TH)

Session Classification: CP and CP violation in the Higgs sector

Contribution ID: 26

Type: **not specified**

Higgs in extra dimensions

Saturday 15 May 2004 13:30 (30 minutes)

Author: ANTONIADIS, I. (CERN, TH)

Presenter: ANTONIADIS, I. (CERN, TH)

Session Classification: Non-standard Higgs scenarios

Contribution ID: 27

Type: **not specified**

Radion searches at the LHC and CLIC

Saturday 15 May 2004 14:00 (20 minutes)

Author: DE ROECK, A. (CERN, CMS)

Presenter: DE ROECK, A. (CERN, CMS)

Session Classification: Non-standard Higgs scenarios

Contribution ID: 28

Type: **not specified**

SUSY Higgs production a 5D SUGRA-inspired model

Saturday 15 May 2004 14:20 (20 minutes)

Author: FITZGERALD, S. (Cavendish Lab.)

Presenter: FITZGERALD, S. (Cavendish Lab.)

Session Classification: Non-standard Higgs scenarios

Contribution ID: 29

Type: **not specified**

Invisible Higgs in theories of large extra dimensions at an e^+e^- collider

Saturday 15 May 2004 14:40 (20 minutes)

Author: DATTA, A. (Rome, La Sapienza)

Presenter: DATTA, A. (Rome, La Sapienza)

Session Classification: Non-standard Higgs scenarios

Contribution ID: **30**

Type: **not specified**

CP violation with 5D QED

Saturday 15 May 2004 15:00 (20 minutes)

Author: GRZADKOWSKI, B. (CERN, TH)

Presenter: GRZADKOWSKI, B. (CERN, TH)

Session Classification: Non-standard Higgs scenarios

Contribution ID: **31**

Type: **not specified**

Future plans, working group, benchmarks, report,

Saturday 15 May 2004 15:20 (40 minutes)

Session Classification: Discussion session