

Prospects for Charged Higgs Discovery at Colliders (CHARGED 2016)

Report of Contributions

Contribution ID: 0

Type: **not specified**

LHC status report (30+10)

Monday 3 October 2016 13:00 (40 minutes)

Presenter: LAMONT, Mike (CERN)

Contribution ID: 1

Type: **not specified**

SM Higgs results from ATLAS+CMS (30+10)

Monday 3 October 2016 13:40 (40 minutes)

Presenter: ELMSHEUSER, Johannes (Brookhaven National Laboratory (US))

Contribution ID: 2

Type: **not specified**

SUSY searches in ATLAS+CMS (30+10)

Monday 3 October 2016 14:20 (40 minutes)

Presenter: Dr CASASSO, Stefano (Imperial College (GB))

Contribution ID: 3

Type: **not specified**

Neutral BSM Higgs searches in ATLAS (30+10)

Monday 3 October 2016 15:30 (40 minutes)

Presenter: ZHANG, Lei (Albert-Ludwigs-Universitaet Freiburg (DE))

Contribution ID: 4

Type: **not specified**

Neutral BSM Higgs searches in CMS (30+10)

Monday 3 October 2016 16:10 (40 minutes)

Presenter: MARCELLINI, Stefano (Universita e INFN, Bologna (IT))

Contribution ID: 6

Type: **not specified**

LHC Cross-Section Working Group report (30+10)

Wednesday 5 October 2016 15:00 (40 minutes)

Presenter: ROMPOTIS, Nikolaos (University of Washington (US))

Contribution ID: 7

Type: **not specified**

H+ searches in ATLAS, part 1 (20+10)

Tuesday 4 October 2016 09:00 (30 minutes)

Presenter: PITT, Michael (Weizmann Institute of Science (IL))

Contribution ID: 8

Type: **not specified**

H+ searches in CMS, part 1 (20+10)

Tuesday 4 October 2016 09:30 (30 minutes)

Presenter: LAURILA, Santeri Henrikki (Helsinki Institute of Physics (FI))

Contribution ID: 9

Type: **not specified**

H+ searches in ATLAS, part 2 (20+10)

Tuesday 4 October 2016 10:30 (30 minutes)

Presenter: MIR MARTINEZ, Lluïsa Maria (IFAE - Institut de Física d'Altes Energies (ES))

Contribution ID: **10**

Type: **not specified**

H+ searches in CMS, part 2 (20+10)

Tuesday 4 October 2016 11:00 (30 minutes)

Presenter: SALFELD-NEBGEN, Jakob (Massachusetts Inst. of Technology (US))

Contribution ID: 11

Type: **not specified**

Flavour-physics and BSM Higgs bosons (20+10)

Wednesday 5 October 2016 11:00 (30 minutes)

Presenter: ROMERO VIDAL, Antonio (University of Santiago de Compostela (ES))

Contribution ID: 12

Type: **not specified**

Interpretation of indirect searches (20+10)

Wednesday 5 October 2016 11:30 (30 minutes)

Presenter: MAHMOUDI, Nazila (Universite Claude Bernard-Lyon I (FR))

Contribution ID: 13

Type: **not specified**

H+ intermediate region, 160-200 GeV (20+10)

Wednesday 5 October 2016 10:00 (30 minutes)

Presenter: FLECHL, Martin (Austrian Academy of Sciences (AT))

Contribution ID: 14

Type: **not specified**

LHC result interpretation in multi-Higgs non-SUSY models: 2HDM, triplets, etc (30+10)

Tuesday 4 October 2016 14:15 (40 minutes)

Presenter: MORETTI, Stefano (STFC - Rutherford Appleton Lab. (GB))

Contribution ID: 15

Type: **not specified**

LHC result interpretation in multi-Higgs SUSY models: MSSM, NMSSM, hMSSM, etc (30+10)

Tuesday 4 October 2016 14:55 (40 minutes)

Presenter: HEINEMEYER, Sven (CSIC (Santander, ES))

Contribution ID: 16

Type: **not specified**

Effective field theory and impact of precision measurements on BSM Higgs bosons (20+10)

Monday 3 October 2016 16:50 (30 minutes)

Presenter: TROTT, Michael Robert (University of Copenhagen (DK))

Contribution ID: **18**

Type: **not specified**

CP violation and BSM Higgs bosons (20+10)

Wednesday 5 October 2016 14:00 (30 minutes)

Presenter: KEUS, Venus (University of Helsinki)

Contribution ID: 21

Type: **not specified**

Theory and Phenomenology of Composite 2-Higgs Doublet model

Wednesday 5 October 2016 16:10 (20 minutes)

Presenter: YILDIRIM, Emine (University of Southampton)

Contribution ID: 22

Type: **not specified**

Scalar decays to gamma gamma, Z gamma, and W gamma in the Georgi-Machacek model

Wednesday 5 October 2016 16:50 (20 minutes)

Presenter: LOGAN, Heather (Carleton University)

Contribution ID: 23

Type: **not specified**

Review of the production of charged Higgs bosons, including higher-order corrections (20+10)

Wednesday 5 October 2016 09:00 (30 minutes)

Presenter: UBIALI, Maria (University of Cambridge)

Contribution ID: 24

Type: **not specified**

Higher-order corrections to decays and masses of charged Higgs bosons (20+10)

Wednesday 5 October 2016 09:30 (30 minutes)

Presenter: RZEHAK, Heidi Angelika (Albert-Ludwigs-Universitaet Freiburg (DE))

Contribution ID: 25

Type: **not specified**

Status of tools: 2HDM, SUSY, etc (20+10)

Wednesday 5 October 2016 14:30 (30 minutes)

Presenter: ZARO, Marco (Centre National de la Recherche Scientifique (FR))

Contribution ID: 26

Type: **not specified**

Charged Higgs Beyond MSSM at the LHC

Thursday 6 October 2016 09:20 (20 minutes)

Presenter: HUITU, Katri (University of Helsinki)

Contribution ID: 28

Type: **not specified**

Light charged Higgs boson scenario in 3HDMs

Wednesday 5 October 2016 16:30 (20 minutes)

Presenter: YAGYU, Kei

Contribution ID: 29

Type: **not specified**

Optimising Charged Higgs Boson Searches at the LHC Across bbW Final States

Thursday 6 October 2016 09:00 (20 minutes)

Presenter: SHARMA, Pankaj (CoEPP, Adelaide)

Contribution ID: **30**

Type: **not specified**

The Higgs boson(s) and cosmology: dark matter and inflation (20+10)

Thursday 6 October 2016 10:00 (30 minutes)

Presenter: LEBEDEV, Oleg (University of Helsinki)

Contribution ID: **31**

Type: **not specified**

BSM Higgs pair-production (20+10)

Thursday 6 October 2016 11:00 (30 minutes)

Presenter: BAGLIO, Julien (University of Tübingen)

Contribution ID: 33

Type: **not specified**

Prospects for BSM Higgs searches at future LHC and other machines (30+10)

Thursday 6 October 2016 11:30 (40 minutes)

Presenter: PETERS, Krisztian (Deutsches Elektronen-Synchrotron (DE))

Contribution ID: **34**

Type: **not specified**

Outlook from a theorist's point of view (30+10)

Thursday 6 October 2016 12:10 (40 minutes)

Presenter: HABER, Howard (Santa Cruz Institute for Particle Physics (SCIPP))

Contribution ID: **36**

Type: **not specified**

Colloquium: the 2016 Nobel prize in physics

Tuesday 4 October 2016 16:15 (1 hour)

Contribution ID: 45

Type: **not specified**

Charged scalars from $SU(3)^3$ theories

Wednesday 5 October 2016 17:10 (20 minutes)

Presenter: Dr CAMARGO MOLINA, José Eliel (Lund University)

Contribution ID: 46

Type: **not specified**

Bosonic decays of charged Higgs bosons in 2HDM

Presenter: BENBRIK, Rachid

Contribution ID: 47

Type: **not specified**

Production of charged Higgs at the future collider ep LHeC

Thursday 6 October 2016 09:40 (20 minutes)

Presenter: HERNÁNDEZ, Jaime (Benemerita Universidad Autónoma de Puebla)

Contribution ID: 48

Type: **not specified**

Concluding remarks

Thursday 6 October 2016 12:50 (10 minutes)

Presenters: FERRARI, Arnaud (Uppsala University (SE)); ENBERG, Rikard (Uppsala University)