

Prospects for Charged Higgs Discovery at Colliders (CHARGED 2018)



Report of Contributions

Contribution ID: 0

Type: **not specified**

LHC status report (30+10)

Tuesday 25 September 2018 13:00 (40 minutes)

Author: WENNINGER, Jorg (CERN)

Presenter: WENNINGER, Jorg (CERN)

Contribution ID: 1

Type: **not specified**

Measurement of the properties of the SM-like Higgs boson in ATLAS and CMS (30+10)

Tuesday 25 September 2018 13:40 (40 minutes)

Presenter: WANG, Zirui (Shanghai Jiao Tong University (CN))

Contribution ID: 3

Type: **not specified**

Report from the LHC Higgs Cross-Section Working Group WG3 (30+10)

Tuesday 25 September 2018 14:50 (40 minutes)

Author: SCHAARSCHMIDT, Jana (University of Washington (US))

Presenter: SCHAARSCHMIDT, Jana (University of Washington (US))

Contribution ID: 4

Type: **not specified**

Tools, part 1: review of calculators for BSM Higgs bosons (30+10)

Tuesday 25 September 2018 15:30 (40 minutes)

Presenter: STAUB, Florian (KIT - Karlsruhe Institute of Technology (DE))

Contribution ID: 7

Type: **not specified**

Production and decays of BSM Higgs bosons in various models (30+10)

Wednesday 26 September 2018 09:00 (40 minutes)

Summary

Author: SPIRA, Michael (Paul Scherrer Institut (CH))

Presenter: SPIRA, Michael (Paul Scherrer Institut (CH))

Contribution ID: 8

Type: **not specified**

Higgs pair production (30+10)

Thursday 27 September 2018 15:50 (40 minutes)

Author: PLEHN, Tilman

Presenter: PLEHN, Tilman

Contribution ID: **11**

Type: **not specified**

Searches for charged Higgs bosons in CMS, part 2 (25+10)

Thursday 27 September 2018 10:40 (35 minutes)

Presenter: EYSERMANS, Jan (Autonomous University of Puebla (MX))

Contribution ID: 12

Type: **not specified**

Searches for doubly charged Higgs bosons in ATLAS (25+10)

Thursday 27 September 2018 11:15 (35 minutes)

Presenter: UCCHIELLI, Giulia (Universita e INFN, Bologna (IT))

Contribution ID: 13

Type: **not specified**

Searches for singly charged Higgs bosons in ATLAS (25+10)

Thursday 27 September 2018 09:00 (35 minutes)

Presenter: BURGHGRAVE, Blake Oliver (Northern Illinois University (US))

Contribution ID: 14

Type: **not specified**

Searches for BSM Higgs bosons in fermionic decays in ATLAS (30+10)

Wednesday 26 September 2018 13:10 (40 minutes)

Presenter: BAILEY, Adam (Univ. of Valencia and CSIC (ES))

Contribution ID: 15

Type: **not specified**

Searches for BSM Higgs bosons in fermionic decays in CMS (30+10)

Wednesday 26 September 2018 13:50 (40 minutes)

Summary

Presenter: VAGNERINI, Antonio (Deutsches Elektronen-Synchrotron (DE))

Contribution ID: **16**

Type: **not specified**

Tools, part 2: review of Monte-Carlo generators for BSM Higgs bosons (30+10)

Tuesday 25 September 2018 16:10 (40 minutes)

Presenter: VRYONIDOU, Eleni (CERN)

Contribution ID: 21

Type: **not specified**

Status report on the intermediate mass range (30+10)

Thursday 27 September 2018 15:10 (40 minutes)

Summary

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

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

Contribution ID: 22

Type: **not specified**

Production of a vector-like quark X5/3 interacting with top and charged scalar at the LHC (15+5)

Wednesday 26 September 2018 10:50 (20 minutes)

Presenter: PANIZZI, Luca (Uppsala University)

Contribution ID: 24

Type: **not specified**

Searches for charged Higgs bosons in CMS, part 1 (25+10)

Thursday 27 September 2018 09:35 (35 minutes)

Presenter: Dr ATTIKIS, Alexandros (University of Cyprus (CY))

Contribution ID: 25

Type: **not specified**

LHC result interpretation: SM Higgs boson measurements and BSM Higgs boson searches (40+10)

Thursday 27 September 2018 13:50 (50 minutes)

Summary

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

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

Contribution ID: 28

Type: **not specified**

Phenomenology of family-nonuniversal Three Higgs Doublet models (15+5)

Wednesday 26 September 2018 10:00 (20 minutes)

Presenter: PASECHNIK, Roman (Lund university)

Contribution ID: 45

Type: **not specified**

Data-driven estimation of the fake τ background in Higgs searches in ATLAS (15+5)

Thursday 27 September 2018 13:30 (20 minutes)

Presenter: BAHMANI, Marzieh (Polish Academy of Sciences (PL))

Contribution ID: 49

Type: **not specified**

Probing light charged Higgs at the LHC Run 2 (15+5)

Wednesday 26 September 2018 11:10 (20 minutes)

Presenter: Dr BENBRIK, Rachid (Cadi Ayyad University)

Contribution ID: 50

Type: **not specified**

Searching for the W gamma decay of a charged Higgs boson (15+5)

Wednesday 26 September 2018 11:30 (20 minutes)

Presenter: LOGAN, Heather (Carleton University)

Contribution ID: 51

Type: **not specified**

Exploring the neutral sector in the doublet-triplet Higgs model (15+5)

Wednesday 26 September 2018 09:40 (20 minutes)

Presenter: KUKLA, Romain (CPPM, Aix-Marseille Université, CNRS/IN2P3 (FR))

Contribution ID: 52

Type: **not specified**

Searches for BSM Higgs bosons in the VV, Vh and hh decays in ATLAS (30+10)

Wednesday 26 September 2018 15:00 (40 minutes)

Presenter: Prof. SEKULA, Stephen Jacob (Southern Methodist University (US))

Contribution ID: 53

Type: **not specified**

Searches for BSM Higgs bosons in the VV, Vh and hh decays in CMS (30+10)

Wednesday 26 September 2018 15:40 (40 minutes)

Presenter: COVARELLI, Roberto (University/INFN Torino (IT))

Contribution ID: 54

Type: **not specified**

Searches for Higgs bosons with dark matter in ATLAS and CMS (30+10)

Wednesday 26 September 2018 16:20 (40 minutes)

Presenter: GALLINARO, Michele (LIP Lisbon)

Contribution ID: 56

Type: **not specified**

CP violation and BSM Higgs bosons (25+10)

Friday 28 September 2018 09:00 (35 minutes)

Summary

Author: FUCHS, Elina (Weizmann Institute of Science)

Presenter: FUCHS, Elina (Weizmann Institute of Science)

Contribution ID: 57

Type: **not specified**

Composite Higgs bosons (25+10)

Friday 28 September 2018 11:15 (35 minutes)

Summary

Author: FERRETTI, Gabriele (Chalmers University, Gothenburg, Sweden)

Presenter: FERRETTI, Gabriele (Chalmers University, Gothenburg, Sweden)

Contribution ID: 58

Type: **not specified**

Higgs physics and cosmology (25+10)

Friday 28 September 2018 10:40 (35 minutes)

Author: WEIR, David (University of Stavanger)

Presenter: WEIR, David (University of Stavanger)

Contribution ID: 59

Type: **not specified**

Beyond 2HDMs (25+10)

Friday 28 September 2018 09:35 (35 minutes)

Summary

Author: MUHLLEITNER, Milada (KIT - Karlsruhe Institute of Technology (DE))

Presenter: MUHLLEITNER, Milada (KIT - Karlsruhe Institute of Technology (DE))

Contribution ID: **60**

Type: **not specified**

Prospects for BSM Higgs boson searches at the HL-LHC and future colliders (30+10)

Friday 28 September 2018 13:00 (40 minutes)

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

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

Contribution ID: **61**

Type: **not specified**

Summary talk (30+10)

Friday 28 September 2018 13:40 (40 minutes)

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

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