

Exotic Higgs Decays Meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Monday 7 November 2016 09:00 (10 minutes)

Summary

Contribution ID: 2

Type: **not specified**

Searches for the Higgs boson decaying to four b-quarks via two spin-zero particles

Monday 7 November 2016 09:10 (25 minutes)

Summary

Presenter: KHADER, Mazin Woodrow (Univ. Illinois at Urbana-Champaign (US))

Contribution ID: 3

Type: **not specified**

Multi-photon decays of the SM Higgs with ATLAS: Current results and future prospects

Monday 7 November 2016 10:00 (25 minutes)

Summary

Presenter: BEACHAM, James (Ohio State University (US))

Contribution ID: 4

Type: **not specified**

Monte Carlo simulation of heavy flavor production

Monday 7 November 2016 09:35 (25 minutes)

Summary

Presenter: HOECHE, Stefan (SLAC)

Contribution ID: 5

Type: **not specified**

Searches for light pseudoscalar boson in the decay of SM Higgs boson at CMS

Monday 7 November 2016 10:55 (25 minutes)

Summary

Presenter: MOHAMMADI, Abdollah (Kansas State University (US))

Contribution ID: 6

Type: **not specified**

Higgs decays to pairs of (pseudo-)scalars at ATLAS in the 2mu 2tau final state

Monday 7 November 2016 11:20 (25 minutes)

Summary

Presenter: KAPLAN, Benjamin Eric (New York University (US))

Contribution ID: 7

Type: **not specified**

Exotic Higgs decays in Neutral Naturalness

Monday 7 November 2016 14:00 (25 minutes)

I will give a brief overview of the possible exotic Higgs decays in models of Neutral Naturalness. This talk serves as the lead-in for the talks by David Curtin and Eric Kuflik.

Summary

Presenter: KNAPEN, Simon (Lawrence Berkeley National Lab)

Contribution ID: 8

Type: **not specified**

Exotic higgs decays in models with "Natural" Neutrinos

Monday 7 November 2016 11:45 (25 minutes)

Summary

Presenter: JAIN, Bithika (Korea Institute for Advanced Study (KIAS))

Contribution ID: 9

Type: **not specified**

Neutral naturalness: phenomenology

Monday 7 November 2016 14:25 (25 minutes)

Summary

Presenter: CURTIN, David (University of Maryland)

Contribution ID: **10**

Type: **not specified**

New ideas for Displaced Higgs

Monday 7 November 2016 14:50 (25 minutes)

Summary

Presenter: KUFLIK, Eric

Contribution ID: 11

Type: **not specified**

Searching for New Physics with Displaced Vertex signatures in the ATLAS Detector

Monday 7 November 2016 15:15 (25 minutes)

Summary

Presenter: LUBATTI, Henry (University of Washington (US))

Contribution ID: 12

Type: **not specified**

Searches for lepton jets at the LHC

Monday 7 November 2016 12:10 (25 minutes)

Summary

Presenter: SAFONOV, Alexei (Texas A & M University (US))

Contribution ID: 13

Type: **not specified**

Considerations for displaced higgs searches at CMS

Monday 7 November 2016 16:10 (25 minutes)

Summary

Presenter: ANTONELLI, Jamie (The Ohio State University (US))

Contribution ID: 14

Type: **not specified**

Prospects for Higgs decays to Ultra-long-lived particles

Monday 7 November 2016 16:35 (25 minutes)

Summary

Presenter: CHOU, John Paul (Rutgers, State Univ. of New Jersey (US))

Contribution ID: 15

Type: **not specified**

Discussion session

Monday 7 November 2016 17:00 (1 hour)

Summary

Presenters: ANTONELLI, Jamie (The Ohio State University (US)); SHELTON, Jessie (University of Illinois at Urbana-Champaign); ZHONG, Yiming (Stony Brook University)

Contribution ID: 16

Type: **not specified**

Exotic Higgs processes in EFT

Summary

Presenter: FALKOWSKI, Adam (LPT Orsay)

Contribution ID: 17

Type: **not specified**

Flavorful Higgs bosons

Tuesday 8 November 2016 09:00 (25 minutes)

Summary

Presenter: ALTMANNSHOFER, Wolfgang (University of Cincinnati)

Contribution ID: **18**

Type: **not specified**

Searches for Higgs flavor violating couplings at ATLAS and CMS

Tuesday 8 November 2016 09:25 (25 minutes)

Summary

Presenter: BRESSLER, Shikma (Weizmann Institute of Science (IL))

Contribution ID: 19

Type: **not specified**

Searches for Higgs boson decays to a meson and a photon

Tuesday 8 November 2016 09:50 (25 minutes)

Summary

Presenter: NIKOLOPOULOS, Konstantinos (University of Birmingham (GB))

Contribution ID: 20

Type: **not specified**

Rare electroweak-type Higgs decays

Tuesday 8 November 2016 11:35 (25 minutes)

Summary

Presenter: ISIDORI, Gino (Universitaet Zuerich (CH))

Contribution ID: 21

Type: **not specified**

Light quark Yukawa couplings from Higgs kinematics

Tuesday 8 November 2016 10:45 (25 minutes)

Summary

Presenter: SOREQ, Yotam (Massachusetts Institute of Technology)

Contribution ID: 22

Type: **not specified**

Probing Higgs couplings to light quarks

Tuesday 8 November 2016 11:10 (25 minutes)

Summary

Presenter: STAMOU, Emmanuel (Weizmann Institute of Science)

Contribution ID: 23

Type: **not specified**

Searches for invisible Higgs decays at ATLAS and CMS

Tuesday 8 November 2016 13:45 (25 minutes)

Summary

Presenter: WARDLE, Nicholas (CERN)

Contribution ID: 24

Type: **not specified**

Exotic Higgs Decays With Photons and MET

Tuesday 8 November 2016 14:10 (25 minutes)

Summary

Presenter: TEIXEIRA DE LIMA, Rafael (Northeastern University (US))

Contribution ID: 25

Type: **not specified**

Displaced quarkonia as a new physics probe

Tuesday 8 November 2016 14:35 (25 minutes)

Summary

Presenter: LOU, Hou Keong (Princeton University)

Contribution ID: 26

Type: **not specified**

The Dark Light Higgs scenario and semi-visible exotic Higgs decays

Tuesday 8 November 2016 15:00 (25 minutes)

Summary

Presenter: YU, Felix (Johannes Gutenberg University Mainz)

Contribution ID: 27

Type: **not specified**

Higgs Connections to Dark Vectors

Tuesday 8 November 2016 15:25 (25 minutes)

Summary

Presenter: MORRISSEY, David (TRIUMF)

Contribution ID: 28

Type: **not specified**

Exotic Higgs Decay at future lepton colliders

Tuesday 8 November 2016 16:45 (25 minutes)

Summary

Presenter: LIU, Zhen (Fermilab)

Contribution ID: 29

Type: **not specified**

Rare and Exotic Higgs Decay Prospects at the HL-LHC

Tuesday 8 November 2016 16:20 (25 minutes)

Summary

Presenter: MCCARN, Allison

Contribution ID: **30**

Type: **not specified**

Discussion session

Tuesday 8 November 2016 17:10 (50 minutes)

Summary

Presenters: SHUVE, Brian (SLAC National Accelerator Laboratory); KLUTE, Markus (Massachusetts Inst. of Technology (US)); GORI, Stefania (Cincinnati University)

Contribution ID: 31

Type: **not specified**

Exclusive Radiative Higgs Decays in the Standard Model and Beyond

Tuesday 8 November 2016 12:00 (15 minutes)

Summary

Presenter: ALTE, Stefan (Johannes Gutenberg-Universität Mainz)