

**SWHEPPS 2016: Strategy
Workshop on High-Energy
Particle Physics in Switzerland**

Report of Contributions

Contribution ID: **0**

Type: **not specified**

Buffet Lunch

Tuesday, June 7, 2016 12:30 PM (1h 15m)

Contribution ID: 1

Type: **not specified**

Coffee Break

Tuesday, June 7, 2016 3:30 PM (30 minutes)

Contribution ID: 2

Type: **not specified**

Apero and Dinner

Tuesday, June 7, 2016 7:30 PM (2h 30m)

Summary

Contribution ID: 3

Type: **not specified**

Breakfast

Wednesday, June 8, 2016 7:30 AM (1h 30m)

Summary

Contribution ID: 4

Type: **not specified**

Coffee Break

Wednesday, June 8, 2016 10:30 AM (30 minutes)

Contribution ID: 5

Type: **not specified**

Lunch

Wednesday, June 8, 2016 12:30 PM (1h 15m)

Summary

Contribution ID: 6

Type: **not specified**

Coffee Break

Wednesday, June 8, 2016 3:30 PM (30 minutes)

Contribution ID: 7

Type: **not specified**

Dinner

Wednesday, June 8, 2016 8:00 PM (2 hours)

Contribution ID: **8**

Type: **not specified**

Breakfast

Thursday, June 9, 2016 7:30 AM (1h 30m)

Summary

Contribution ID: 9

Type: **not specified**

Coffee Break

Thursday, June 9, 2016 10:30 AM (30 minutes)

Contribution ID: **10**

Type: **not specified**

Lunch

Thursday, June 9, 2016 1:00 PM (1 hour)

Contribution ID: **11**

Type: **not specified**

Detectors concepts for future colliders

Thursday, June 9, 2016 11:00 AM (25 minutes)

Presenter: CONTARDO, Didier Claude (Universite Claude Bernard-Lyon I (FR))

Session Classification: New Accelerators: Detectors

Contribution ID: 12

Type: **not specified**

Tracking

Thursday, June 9, 2016 11:50 AM (25 minutes)

Presenter: TOBIN, Mark (Ecole Polytechnique Federale de Lausanne (CH))

Session Classification: New Accelerators: Detectors

Contribution ID: 13

Type: **not specified**

Calorimetry & Particle flow

Thursday, June 9, 2016 12:15 PM (20 minutes)

Presenter: BARNEY, David (CERN)

Session Classification: New Accelerators: Detectors

Contribution ID: 14

Type: **not specified**

DAQ / Trigger

Thursday, June 9, 2016 12:35 PM (20 minutes)

Presenter: BERGER, Niklaus Emanuel (Uni Heidelberg)

Session Classification: New Accelerators: Detectors

Contribution ID: 16

Type: **not specified**

New future detectors and ASIC technologies

Presenter: GONZALEZ SEVILLA, Sergio (Universite de Geneve (CH))

Session Classification: New Accelerators: Detectors

Contribution ID: 17

Type: **not specified**

SM Higgs couplings and BSM Higgs

Tuesday, June 7, 2016 2:30 PM (30 minutes)

Summary

Presenter: DONEGA, Mauro (Eidgenoessische Tech. Hochschule Zuerich (CH))

Session Classification: Higgs Physics

Contribution ID: **18**

Type: **not specified**

SM Higgs properties

Tuesday, June 7, 2016 2:00 PM (30 minutes)

Summary

Presenter: FARRINGTON, Sinead (University of Warwick (GB))

Session Classification: Higgs Physics

Contribution ID: 19

Type: **not specified**

Theory tools for precise EW and Higgs physics

Tuesday, June 7, 2016 3:00 PM (30 minutes)

Presenter: POZZORINI, Stefano Augusto (Universitaet Zuerich (CH))

Session Classification: Higgs Physics

Contribution ID: **20**

Type: **not specified**

Experimental overview of the EW and QCD

Wednesday, June 8, 2016 2:00 PM (30 minutes)

Presenter: THEOFILATOS, Konstantinos (ETH Zurich)

Session Classification: Standard Model Physics

Contribution ID: 21

Type: **not specified**

Top quark physics results and prospects

Wednesday, June 8, 2016 2:30 PM (30 minutes)

Presenter: HAWKINGS, Richard (CERN)

Session Classification: Standard Model Physics

Contribution ID: 22

Type: **not specified**

Motivations for future precision studies of EW and Higgs physics

Wednesday, June 8, 2016 3:00 PM (30 minutes)

Presenter: RIVA, Francesco (CERN)

Session Classification: Standard Model Physics

Contribution ID: 23

Type: **not specified**

Lepton Flavour Violation in heavy flavour decays + Lepton Flavour Universality

Wednesday, June 8, 2016 9:00 AM (30 minutes)

Presenter: Dr KOPPENBURG, Patrick (Nikhef National institute for subatomic physics (NL))

Session Classification: Flavour Physics

Contribution ID: 24

Type: **not specified**

Rare decays and the V-A structure of weak interactions ($b \rightarrow s \gamma$, $b \rightarrow s l+l$)

Wednesday, June 8, 2016 9:30 AM (30 minutes)

Presenter: SERRA, Nicola (Universitaet Zuerich (CH))

Session Classification: Flavour Physics

Contribution ID: 25

Type: **not specified**

CP violation and CKM physics (in b-, c- and kaon decays)

Wednesday, June 8, 2016 10:00 AM (30 minutes)

Summary

Presenter: BLANC, Fred (Ecole Polytechnique Federale de Lausanne (CH))

Session Classification: Flavour Physics

Contribution ID: 26

Type: **not specified**

Implications of the flavour anomalies

Wednesday, June 8, 2016 11:00 AM (30 minutes)

Presenter: CRIVELLIN, Andreas (Paul Scherrer Institut (CH))

Session Classification: Low Energy Physics

Contribution ID: 27

Type: **not specified**

Searches on charged Lepton Flavour Violation with muons and Time-reversal symmetry Violation with neutrons

Wednesday, June 8, 2016 11:30 AM (30 minutes)

Summary

Presenter: PAPA, Angela

Session Classification: Low Energy Physics

Contribution ID: 28

Type: **not specified**

Precision measurements with ultracold neutrons, muons, positrons, and antiprotons

Wednesday, June 8, 2016 12:00 PM (30 minutes)

Presenter: KNECHT, Andreas

Session Classification: Low Energy Physics

Contribution ID: 29

Type: **not specified**

Beyond the SM: the big picture

Wednesday, June 8, 2016 4:00 PM (40 minutes)

Presenter: BARBIERI, Riccardo (Dipartimento di Fisica)

Session Classification: Theory including BSM connection to other fields

Contribution ID: **30**

Type: **not specified**

Perspectives for precision calculations

Wednesday, June 8, 2016 5:00 PM (30 minutes)

Presenter: ANASTASIOU, Charalampos (ETH Zurich)

Session Classification: Theory including BSM connection to other fields

Contribution ID: 31

Type: **not specified**

Connections between cosmology and high-energy physics

Wednesday, June 8, 2016 5:30 PM (30 minutes)

Presenter: KATZ, Andrey (CERN)

Session Classification: Theory including BSM connection to other fields

Contribution ID: 32

Type: **not specified**

The flavor problem

Wednesday, June 8, 2016 4:40 PM (20 minutes)

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

Session Classification: Theory including BSM connection to other fields

Contribution ID: 33

Type: **not specified**

Implications of di-photon excess and future strategies for BSM searches at high-energies (theory/pheno)

Tuesday, June 7, 2016 4:05 PM (35 minutes)

Presenter: TORRE, Riccardo (EPFL, Lausanne)

Session Classification: Future collider searches

Contribution ID: **34**

Type: **not specified**

Introduction

Tuesday, June 7, 2016 4:00 PM (5 minutes)

Presenter: KILMINSTER, Ben (Universitaet Zuerich (CH))

Session Classification: Future collider searches

Contribution ID: 35

Type: **not specified**

BSM at the energy frontier (detector/boosted objects)

Tuesday, June 7, 2016 4:40 PM (35 minutes)

Presenter: KOTWAL, Ashutosh (Duke University (US))

Session Classification: Future collider searches

Contribution ID: **36**

Type: **not specified**

Unconventional signatures

Tuesday, June 7, 2016 5:15 PM (35 minutes)

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

Session Classification: Future collider searches

Contribution ID: 37

Type: **not specified**

Summary

Tuesday, June 7, 2016 5:50 PM (10 minutes)

Presenter: GOLLING, Tobias (Universite de Geneve (CH))

Session Classification: Future collider searches

Contribution ID: **38**

Type: **not specified**

Future hadron colliders: accelerator challenges

Thursday, June 9, 2016 9:00 AM (30 minutes)

Presenter: AUCHMANN, Bernhard (CERN)

Session Classification: New Accelerators: Facilities

Contribution ID: 39

Type: **not specified**

Future lepton colliders: accelerator challenges

Thursday, June 9, 2016 9:30 AM (30 minutes)

Presenter: GARVEY, Terry (Paul Scherrer Institut)

Session Classification: New Accelerators: Facilities

Contribution ID: 40

Type: **not specified**

Accelerator R&D towards highest energies

Thursday, June 9, 2016 10:00 AM (30 minutes)

Presenter: ISCHEBECK, Rasmus (PSI)

Session Classification: New Accelerators: Facilities

Contribution ID: 41

Type: **not specified**

Detector technologies for future colliders

Thursday, June 9, 2016 11:25 AM (25 minutes)

Presenter: ALLPORT, Philip Patrick (University of Birmingham (UK))

Session Classification: New Accelerators: Detectors

Contribution ID: 42

Type: **not specified**

Welcome

Presenter: WALLNY, Rainer (Eidgenoessische Tech. Hochschule Zuerich (CH))

Contribution ID: 43

Type: **not specified**

Welcome

Tuesday, June 7, 2016 1:45 PM (10 minutes)

Presenter: WALLNY, Rainer (Eidgenoessische Tech. Hochschule Zuerich (CH))

Session Classification: Workshop Opening