

Precision theory for precise measurements at LHC and future colliders

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome session

Contribution ID: 2

Type: **not specified**

Why do we need precision

Monday 26 September 2016 10:30 (30 minutes)

Presenter: KRETZSCHMAR, Jan (University of Liverpool (GB))

Session Classification: Opening Session

Contribution ID: 3

Type: **not specified**

Welcome talks

Contribution ID: 4

Type: **not specified**

The Electroweak fits

Monday 26 September 2016 11:00 (30 minutes)

Presenter: PEIFFER, Thomas (Hamburg University (DE))

Session Classification: Opening Session

Contribution ID: 5

Type: **not specified**

Status of Higher Order QCD computations

Monday 26 September 2016 11:30 (30 minutes)

Presenter: ZANDERIGHI, Giulia (CERN)

Session Classification: Opening Session

Contribution ID: 6

Type: **not specified**

Experimental Status of QCD

Friday 30 September 2016 13:35 (30 minutes)

Presenter: D'ENTERRIA, David (CERN)

Session Classification: Heavy Flavours

Contribution ID: 7

Type: **not specified**

History of PDF determination

Tuesday 27 September 2016 08:30 (30 minutes)

Presenter: RAVINDRAN, V (Institut of Mathematical Science)

Session Classification: Basics of Everything

Contribution ID: 8

Type: **not specified**

Introduction on EFT approach

Tuesday 27 September 2016 09:00 (30 minutes)

Presenter: DAVIDSON, Sacha (Werner-Heisenberg-Institut)

Session Classification: Basics of Everything

Contribution ID: 9

Type: **not specified**

Higher order EW/QCD corrections for W/Z production in Hadron and ee colliders

Tuesday 27 September 2016 10:00 (30 minutes)

Presenter: PICCININI, Fulvio (Universita e INFN, Pavia (IT))

Session Classification: Basics of Everything

Contribution ID: **10**

Type: **not specified**

Precision measurements of quark masses and alpha_s

Tuesday 27 September 2016 10:30 (30 minutes)

Presenter: DEL DEBBIO, Luigi (Unknown)

Session Classification: Basics of Everything

Contribution ID: 11

Type: **not specified**

Precision physics in e+e- colliders

Tuesday 27 September 2016 11:00 (30 minutes)

Presenter: POESCHL, Roman (Laboratoire de l'Accelérateur Lineaire (FR))

Session Classification: Basics of Everything

Contribution ID: 12

Type: **not specified**

Impact of LHC on PDFs

Tuesday 27 September 2016 14:00 (30 minutes)

Presenter: PLACAKYTE, Ringaile

Session Classification: PDFs

Contribution ID: 13

Type: **not specified**

NON-QCD higher orders: EW effects in PDF fits and progress on photon PDFs

Tuesday 27 September 2016 13:30 (30 minutes)

Presenter: HARLAND-LANG, Lucian (University College London)

Session Classification: PDFs

Contribution ID: 14

Type: **not specified**

Prospects on PDFs at future colliders

Tuesday 27 September 2016 15:30 (30 minutes)

Presenter: KLEIN, Max (University of Liverpool (GB))

Session Classification: PDFs

Contribution ID: 15

Type: **not specified**

PDFs for Precision Higgs Measurements

Tuesday 27 September 2016 13:00 (30 minutes)

Presenter: NADOLSKY, Pavel (Southern Methodist University)

Session Classification: PDFs

Contribution ID: 16

Type: **not specified**

WishList for PDFs from Experimentalists

Tuesday 27 September 2016 15:00 (30 minutes)

Presenter: GLAZOV, Alexander (Deutsches Elektronen-Synchrotron (DE))

Session Classification: PDFs

Contribution ID: 17

Type: **not specified**

Wrap-Up of the Session

Tuesday 27 September 2016 16:00 (45 minutes)

Presenter: SARKAR, Amanda (University of Oxford (GB))

Session Classification: PDFs

Contribution ID: **18**

Type: **not specified**

What can we learn from W/Z/top precision observables

Wednesday 28 September 2016 15:30 (30 minutes)

Presenter: ERLER, Jens (IF-UNAM)

Session Classification: Precision Physics

Contribution ID: 19

Type: **not specified**

Experimental Status of EW physics

Wednesday 28 September 2016 13:30 (30 minutes)

Presenter: AZZURRI, Paolo (Universita di Pisa & INFN (IT))

Session Classification: Precision Physics

Contribution ID: 20

Type: **not specified**

Higher Order calculation for W mass

Wednesday 28 September 2016 14:30 (30 minutes)

Presenter: DI VITA, Stefano

Session Classification: Precision Physics

Contribution ID: 21

Type: **not specified**

How Lattice can help

Wednesday 28 September 2016 16:30 (30 minutes)

Presenter: MACKENZIE, Paul (Fermilab)

Session Classification: Precision Physics

Contribution ID: 22

Type: **not specified**

EFT constraints from precision measurements and prospects

Wednesday 28 September 2016 16:00 (30 minutes)

Presenter: MARZOCCA, David

Session Classification: Precision Physics

Contribution ID: 23

Type: **not specified**

Wrap-Up of the session

Wednesday 28 September 2016 17:00 (45 minutes)

Presenter: VICINI, Alessandro

Session Classification: Precision Physics

Contribution ID: 24

Type: **not specified**

Visits

Session Classification: Precision Physics

Contribution ID: 25

Type: **not specified**

What do we know about the top quark

Thursday 29 September 2016 08:00 (30 minutes)

Presenter: BENEKE, Martin (Rheinisch-Westfaelische Tech. Hoch. (DE))

Session Classification: Top Physics

Contribution ID: 26

Type: **not specified**

Top mass latest results and theory interpretation

Thursday 29 September 2016 08:30 (30 minutes)

Presenter: HOANG, Andre (University of Vienna)

Session Classification: Top Physics

Contribution ID: 27

Type: **not specified**

MC Tools: State of the art and Future prospects including single top

Thursday 29 September 2016 09:00 (30 minutes)

Presenter: PRESTEL, Stefan

Session Classification: Top Physics

Contribution ID: 28

Type: **not specified**

High pt/invariant mass ttbar predictions including QCD+EW corrections

Thursday 29 September 2016 10:00 (30 minutes)

Presenter: HEYMES, David (University of Cambridge)

Session Classification: Top Physics

Contribution ID: 29

Type: **not specified**

Constraints on BSM from Top physics (including EFT and Flavor)

Thursday 29 September 2016 10:30 (30 minutes)

Presenter: MALTONI, Fabio (Universite Catholique de Louvain (UCL) (BE))

Session Classification: Top Physics

Contribution ID: **30**

Type: **not specified**

Associated production of top quark with heavy vector bosons

Thursday 29 September 2016 11:00 (30 minutes)

Presenters: DETERRE, Cecile (Deutsches Elektronen-Synchrotron (DE)); ALHROOB, Muhammad (University of Oklahoma (US))

Session Classification: Top Physics

Contribution ID: 31

Type: **not specified**

Associated production of top quark with the Higgs boson

Thursday 29 September 2016 13:00 (30 minutes)

Presenter: CHANON, Nicolas Pierre (Institut Pluridisciplinaire Hubert Curien (FR))

Session Classification: Top Physics

Contribution ID: 32

Type: **not specified**

Wrap-Up of the session

Thursday 29 September 2016 13:30 (45 minutes)

Presenter: SCHWANENBERGER, Christian (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Top Physics

Contribution ID: 33

Type: **not specified**

Status of Higgs boson physics at LHC

Thursday 29 September 2016 14:15 (30 minutes)

Presenter: LAFAYE, Remi (CNRS Annecy)

Session Classification: Higgs Physics Part 1

Contribution ID: 34

Type: **not specified**

CMS expectations/improvements from Run2 (with 30-100 and 300fb-1)

Thursday 29 September 2016 15:40 (25 minutes)

Presenter: PERIEANU, Adrian (Hamburg University (DE))

Session Classification: Higgs Physics Part 1

Contribution ID: 35

Type: **not specified**

ATLAS expectations/improvements from Run2 (with 30-100 and 300fb-1)

Thursday 29 September 2016 16:30 (25 minutes)

Presenter: VICKY BOERIU, Oana (University of Sheffield (UK))

Session Classification: Higgs Physics Part 1

Contribution ID: 36

Type: **not specified**

N3LO production cross-Sections

Thursday 29 September 2016 14:45 (25 minutes)

Presenter: HERZOG, Franz (CERN)

Session Classification: Higgs Physics Part 1

Contribution ID: 37

Type: **not specified**

Theory on off-shell Higgs boson production

Thursday 29 September 2016 16:55 (25 minutes)

Presenter: RONTSCH, Raoul (Karlsruhe Institute of Technology)

Session Classification: Higgs Physics Part 1

Contribution ID: **38**

Type: **not specified**

Relation between the kappa formalism and the EFT approach

Session Classification: Higgs Physics Part 1

Contribution ID: 39

Type: **not specified**

Validity of EFT approaches in kinematic distributions

Friday 30 September 2016 08:00 (25 minutes)

Presenters: MARZOCCA, David (University of Zurich); GOERTZ, Florian (CERN)

Session Classification: Higgs Physics Part 2

Contribution ID: 40

Type: **not specified**

Experimental status on Kappa formalism and EFT approach

Friday 30 September 2016 08:25 (25 minutes)

Presenter: CHEN, Mingshui (Chinese Academy of Sciences (CN))

Session Classification: Higgs Physics Part 2

Contribution ID: 41

Type: **not specified**

Requirements/improvements/challenges in Higgs physics at HL-LHC

Friday 30 September 2016 10:30 (25 minutes)

Presenter: NOMIDIS, Ioannis (Carleton University)

Session Classification: Higgs Physics Part 2

Contribution ID: 42

Type: **not specified**

Precision Higgs physics at lepton colliders

Friday 30 September 2016 10:55 (25 minutes)

Presenter: TIAN, JunPing

Session Classification: Higgs Physics Part 2

Contribution ID: 43

Type: **not specified**

HH production (theory)

Friday 30 September 2016 08:50 (25 minutes)

Presenter: VRYONIDOU, Eleni (Universite catholique de Louvain)

Session Classification: Higgs Physics Part 2

Contribution ID: 44

Type: **not specified**

Experimental search for HH production (ATLAS+CMS)

Friday 30 September 2016 09:15 (25 minutes)

Presenter: CAPUTO, Claudio (Universita e INFN, Bari (IT))

Session Classification: Higgs Physics Part 2

Contribution ID: 45

Type: **not specified**

Prospects for Higgs physics in pp+ee colliders

Presenter: GRAY, Heather (CERN)

Session Classification: Higgs Physics Part 2

Contribution ID: 46

Type: **not specified**

Wrap-Up of the session

Friday 30 September 2016 11:20 (45 minutes)

Presenter: PIERI, Marco (Univ. of California San Diego (US))

Session Classification: Higgs Physics Part 2

Contribution ID: 47

Type: **not specified**

Precision in CP-Violation measurements and CKM fits

Friday 30 September 2016 14:05 (30 minutes)

Presenter: LUCIO MARTINEZ, Miriam (Universidade de Santiago de Compostela (ES))

Session Classification: Heavy Flavours

Contribution ID: 48

Type: **not specified**

Phenomenology of precise Wilson coefficient determination

Friday 30 September 2016 14:35 (25 minutes)

Presenter: BOBETH, Christoph (Technical University Munich)

Session Classification: Heavy Flavours

Contribution ID: 49

Type: **not specified**

Rare heavy flavour decays

Friday 30 September 2016 15:30 (25 minutes)

Presenter: LUCIO MARTINEZ, Miriam (Universidade de Santiago de Compostela (ES))

Session Classification: Heavy Flavours

Contribution ID: 50

Type: **not specified**

Status of precise kaon physics

Friday 30 September 2016 16:20 (25 minutes)

Presenter: WANKE, Rainer (Universität Mainz)

Session Classification: Heavy Flavours

Contribution ID: 51

Type: **not specified**

Models of lepton flavour Violation

Thursday 29 September 2016 17:20 (25 minutes)

Presenter: HEECK, Julian

Session Classification: Higgs Physics Part 1

Contribution ID: 52

Type: **not specified**

Wrap-Up of the session

Friday 30 September 2016 16:45 (45 minutes)

Presenter: NAKADA, Tatsuya (Ecole Polytechnique Federale de Lausanne (CH))

Session Classification: Heavy Flavours

Contribution ID: 53

Type: **not specified**

Theory summary

Saturday 1 October 2016 10:05 (1 hour)

Presenter: MELNIKOV, Kirill (Karlsruhe Institute of Technology, Germany)

Contribution ID: 54

Type: **not specified**

Experimental Summary

Saturday 1 October 2016 09:05 (1 hour)

Presenter: FROIDEVAUX, Daniel (CERN)

Contribution ID: 55

Type: **not specified**

Arrival at Quy-Nhon, transfer from the airport, registration and Welcome Drinks

Sunday 25 September 2016 12:00 (6 hours)

Contribution ID: 56

Type: **not specified**

Constraints on PDFs from HERA

Monday 26 September 2016 13:30 (20 minutes)

Presenter: SARKAR, Amanda (University of Oxford (GB))

Session Classification: Parallel session on PDFs

Contribution ID: 57

Type: **not specified**

Constraints on PDFs from ATLAS

Monday 26 September 2016 13:50 (20 minutes)

Presenter: GIULI, Francesco (University of Oxford (GB))

Session Classification: Parallel session on PDFs

Contribution ID: 58

Type: **not specified**

Constraints on PDFs from CMS

Monday 26 September 2016 14:10 (20 minutes)

Presenter: NGUYEN, Duong Hai (State University of New York at buffalo (US))

Session Classification: Parallel session on PDFs

Contribution ID: 59

Type: **not specified**

Constraints on PDFs from LHCb

Session Classification: Parallel session on PDFs

Contribution ID: **60**

Type: **not specified**

News from PDFs determination from CT group

Monday 26 September 2016 14:30 (20 minutes)

Presenter: NADOLSKY, Pavel (Southern Methodist University)

Session Classification: Parallel session on PDFs

Contribution ID: **61**

Type: **not specified**

PDFs determination from MMHT group

Monday 26 September 2016 15:20 (20 minutes)

Presenter: HARLAND-LANG, Lucian (University College London)

Session Classification: Parallel session on PDFs

Contribution ID: 62

Type: **not specified**

PDFs determination from HERAFITTER

Monday 26 September 2016 15:40 (20 minutes)

Presenter: GLAZOV, Alexander (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Parallel session on PDFs

Contribution ID: **63**

Type: **not specified**

PDFs determination from NNPDF group

Presenter: DEL DEBBIO, Luigi (Unknown)

Session Classification: Parallel session on PDFs

Contribution ID: 64

Type: **not specified**

sin²theta measurements at hadron colliders (Tevatron/LHC/LHCb)

Session Classification: Parallel Session on Precision Physics

Contribution ID: 65

Type: **not specified**

Status of measurements in di-boson production processes

Monday 26 September 2016 14:30 (20 minutes)

Presenter: LI, Shu (Duke University (US))

Session Classification: Parallel Session on Precision Physics

Contribution ID: 66

Type: **not specified**

W mass measurement by ATLAS

Presenter: ANDARI, Nansi (University of Birmingham (GB))

Session Classification: Parallel Session on Precision Physics

Contribution ID: 67

Type: **not specified**

W mass measurement by CMS

Session Classification: Parallel Session on Precision Physics

Contribution ID: **68**

Type: **not specified**

Status of measurements in single W/Z production

Monday 26 September 2016 13:50 (20 minutes)

Presenter: CROFT, Vincent Alexander (Nikhef National institute for subatomic physics (NL))

Session Classification: Parallel Session on Precision Physics

Contribution ID: 69

Type: **not specified**

Radiative correction to triple gauge boson production

Monday 26 September 2016 14:10 (20 minutes)

Presenter: LE DUC, Ninh

Session Classification: Parallel Session on Precision Physics

Contribution ID: 70

Type: **not specified**

Status of calculation of alpha_QED and g-2

Monday 26 September 2016 15:20 (20 minutes)

Presenter: NOMURA, Daisuke

Session Classification: Parallel Session on Precision Physics

Contribution ID: 71

Type: **not specified**

Latest Top/EWK precision results from Tevatron

Monday 26 September 2016 13:30 (20 minutes)

Presenter: OH, Young Do

Session Classification: Parallel Session on Top Physics

Contribution ID: 72

Type: **not specified**

Selected highlights from TOP2016

Monday 26 September 2016 13:50 (20 minutes)

Presenter: DETERRE, Cecile (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Parallel Session on Top Physics

Contribution ID: 73

Type: **not specified**

LHCTOP WG : theory modeling and challenges

Monday 26 September 2016 14:10 (20 minutes)

Presenter: SEIDEL, Markus (CERN)

Session Classification: Parallel Session on Top Physics

Contribution ID: 74

Type: **not specified**

LHCTOP WG : progress towards legacy combinations

Monday 26 September 2016 14:30 (20 minutes)

Presenter: PETERS, Reinhild (University of Manchester (GB))

Session Classification: Parallel Session on Top Physics

Contribution ID: 75

Type: **not specified**

Boosted Top precision measurements at the LHC

Monday 26 September 2016 15:20 (20 minutes)

Presenter: YU, Jie (Iowa State University (US))

Session Classification: Parallel Session on Top Physics

Contribution ID: 76

Type: **not specified**

Top mass from diphoton spectrum

Monday 26 September 2016 15:40 (20 minutes)

Presenter: YOKOYA, Hiroshi

Session Classification: Parallel Session on Top Physics

Contribution ID: 77

Type: **not specified**

Higgs exclusive decays in LHC - experimental

Monday 26 September 2016 13:30 (20 minutes)

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

Session Classification: Parallel Session on Higgs Physics

Contribution ID: 78

Type: **not specified**

Searches for Higgs exotic decays-experiment

Monday 26 September 2016 14:10 (20 minutes)

Presenter: ASAWATANGTRAKULDEE, Chayanit (Deutsches Elektronen-Synchrotron (DESY))

Session Classification: Parallel Session on Higgs Physics

Contribution ID: 79

Type: **not specified**

Extended Higgs sector - Experiment

Monday 26 September 2016 15:20 (20 minutes)

Presenter: MAGNANI, Alice (Universita e INFN, Pavia (IT))

Session Classification: Parallel Session on Higgs Physics

Contribution ID: **80**

Type: **not specified**

Extended Higgs Sector- theory

Monday 26 September 2016 14:30 (20 minutes)

Presenter: SENAHA, Eibun (National Taiwan University)

Session Classification: Parallel Session on Higgs Physics

Contribution ID: **81**

Type: **not specified**

Higgs Portal to Dark sector-experiment

Monday 26 September 2016 16:00 (20 minutes)

Presenter: TRUONG, Thi Ngoc Loan (Abdus Salam Int. Cent. Theor. Phys. (IT))

Session Classification: Parallel Session on Higgs Physics

Contribution ID: **82**

Type: **not specified**

Higgs portal to Dark sector- Theory

Monday 26 September 2016 15:40 (20 minutes)

Presenter: Dr PARK, Myeonghun

Session Classification: Parallel Session on Higgs Physics

Contribution ID: **83**

Type: **not specified**

Towards precision in V_{ub} and V_{cb}

Monday 26 September 2016 13:30 (20 minutes)

Presenter: LI, Chunuan

Session Classification: Parallel Session on Heavy Flavour Physics

Contribution ID: **84**

Type: **not specified**

Towards precision in Vub and Vcb -Theory

Monday 26 September 2016 13:50 (20 minutes)

Presenter: NANDI, Soumitra

Session Classification: Parallel Session on Heavy Flavour Physics

Contribution ID: 85

Type: **not specified**

Towards a degree-level determination of gamma

Session Classification: Parallel Session on Heavy Flavour Physics

Contribution ID: **86**

Type: **not specified**

Status of rare charm decays

Monday 26 September 2016 14:10 (20 minutes)

Presenter: SHEN, ChengPing

Session Classification: Parallel Session on Heavy Flavour Physics

Contribution ID: 87

Type: **not specified**

Searches and prospects for rare top decays

Monday 26 September 2016 14:30 (20 minutes)

Presenter: KIM, Tae Jeong (Hanyang University (KR))

Session Classification: Parallel Session on Heavy Flavour Physics

Contribution ID: **88**

Type: **not specified**

Lattice determination of $b \rightarrow sll$ process

Presenter: LIU, ZhaoFeng

Session Classification: Parallel Session on Heavy Flavour Physics

Contribution ID: **89**

Type: **not specified**

Angular analyses of exclusive $b \rightarrow sl+l^-$ decays

Monday 26 September 2016 15:40 (20 minutes)

Presenter: LI, Chunhua

Session Classification: Parallel Session on Heavy Flavour Physics

Contribution ID: **90**

Type: **not specified**

Exclusive decays - Theory

Friday 30 September 2016 10:10 (20 minutes)

Presenter: KOENIG, Matthias

Session Classification: Higgs Physics Part 2

Contribution ID: 91

Type: **not specified**

Strategies to explore CP Violation in $B_s \rightarrow KK$ decays

Monday 26 September 2016 15:20 (20 minutes)

Presenter: VOS, Keri

Session Classification: Parallel Session on Heavy Flavour Physics

Contribution ID: 92

Type: **not specified**

Precision in high pileup environment

Thursday 29 September 2016 16:05 (25 minutes)

Presenter: TRAN, Nhan Viet (Fermi National Accelerator Lab. (US))

Session Classification: Higgs Physics Part 1

Contribution ID: 93

Type: **not specified**

Automation of Electroweak corrections

Wednesday 28 September 2016 14:00 (30 minutes)

Presenter: SHAO, Huasheng

Session Classification: Precision Physics

Contribution ID: 94

Type: **not specified**

Lattice QCD for heavy flavour Physics

Friday 30 September 2016 15:55 (25 minutes)

Presenter: HASHIMOTO, Shoji (KEK)

Session Classification: Heavy Flavours

Contribution ID: 95

Type: **not specified**

Exotic Higgs decays- a theoretical approach

Monday 26 September 2016 13:50 (20 minutes)

Presenter: WANG, Jiawei (The Chinese University of Hong Kong (HK))

Session Classification: Parallel Session on Higgs Physics

Contribution ID: 96

Type: **not specified**

Status on charged lepton flavour Violation

Monday 26 September 2016 13:30 (20 minutes)

Presenter: MIHARA, Satoshi

Session Classification: Parallel Session on Precision Physics

Contribution ID: 97

Type: **not specified**

Welcome to Quy-Nhon

Monday 26 September 2016 08:30 (15 minutes)

Presenter: TRAN THANH, Van (Rencontres du Vietnam)

Session Classification: Welcome Session

Contribution ID: **98**

Type: **not specified**

Welcome from the Presidency of the Province

Monday 26 September 2016 08:45 (15 minutes)

Session Classification: Welcome Session

Contribution ID: 99

Type: **not specified**

Our Conference

Monday 26 September 2016 09:00 (15 minutes)

Presenter: ICONOMIDOU-FAYARD, Lydia (Laboratoire de l'Accelérateur Lineaire (FR))

Session Classification: Welcome Session

Contribution ID: **100**

Type: **not specified**

Picture of the Conference

Monday 26 September 2016 09:15 (45 minutes)

Session Classification: Welcome Session