

LHC EW Precision sub-group workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction and preparation of December deadlines

Presenters: APYAN, Aram (Fermi National Accelerator Lab. (US)); FROIDEVAUX, Daniel (CERN); PICCININI, Fulvio (Universita and INFN (IT))

Contribution ID: 2

Type: **not specified**

Double scale evolution and errors in vector boson spectrum

Presenter: SCIMEMI, ignazio (Universidad Complutense Madrid)

Contribution ID: 3

Type: **not specified**

Treatment of fiducial acceptance cuts in the qT resummation

Monday, 14 October 2019 14:00 (20 minutes)

Presenter: MICHEL, Johannes (DESY)

Session Classification: Resummation calculations of pTW/Z and benchmarking

Contribution ID: 4

Type: **not specified**

Double scale evolution and errors in vector boson spectrum

Monday, 14 October 2019 14:40 (20 minutes)

Presenter: SCIMEMI, ignazio (Universidad Complutense Madrid)

Session Classification: Resummation calculations of pTW/Z and benchmarking

Contribution ID: 5

Type: **not specified**

Size of the non-perturbative (NP) corrections on the q_T spectrum

Monday, 14 October 2019 15:20 (20 minutes)

Presenters: Dr BOZZI, Giuseppe (Università di Pavia); Dr BERTONE, Valerio (Università degli studi di Pavia)

Session Classification: Resummation calculations of $p_{T,W/Z}$ and benchmarking

Contribution ID: 6

Type: **not specified**

Analytic resummation benchmarking: ReSolve update

Monday, 14 October 2019 16:00 (20 minutes)

Presenter: CRIDGE, Thomas (University College London)

Session Classification: Resummation calculations of $p_{T,W/Z}$ and benchmarking

Contribution ID: 7

Type: **not specified**

Analytic Resummation Benchmarking plots

Monday, 14 October 2019 16:40 (20 minutes)

Presenter: APYAN, Aram (Fermi National Accelerator Lab. (US))

Session Classification: Resummation calculations of pTW/Z and benchmarking

Contribution ID: 8

Type: **not specified**

Analytic Resummation Benchmarking: Discussion

Monday, 14 October 2019 17:00 (1 hour)

Session Classification: Resummation calculations of pTW/Z and benchmarking

Contribution ID: 9

Type: **not specified**

Status of toys for correlation benchmarking and discussion of next steps

Tuesday, 15 October 2019 16:00 (15 minutes)

Presenter: AMOROSO, Simone (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Latest news on global PDF fits and on PDF correlation benchmarking

Contribution ID: 10

Type: **not specified**

A new look at the estimation of the PDF uncertainties in the determination of electroweak parameters at hadron colliders

Tuesday, 15 October 2019 10:00 (20 minutes)

Presenter: BAGNASCHI, Emanuele Angelo (Paul Scherrer Institut (CH))

Session Classification: Experimental aspects, combinations, and new precision DY results

Contribution ID: 11

Type: **not specified**

Scope of YR in terms of weak mixing angle measurement and status of pseudodata from experiments

Tuesday, 15 October 2019 09:30 (15 minutes)

Presenter: FROIDEVAUX, Daniel (CERN)

Session Classification: Experimental aspects, combinations, and new precision DY results

Contribution ID: 12

Type: **not specified**

Pseudodata from CMS for run-2 weak mixing angle measurement

Presenter: KHUKHUNAISHVILI, Aleko (University of Rochester (US))

Session Classification: Experimental aspects, combinations, and new precision DY results

Contribution ID: 13

Type: **not specified**

Status of W mass combination

Tuesday, 15 October 2019 16:30 (15 minutes)

Presenters: BOONEKAMP, Maarten (Université Paris-Saclay (FR)); ANDARI, Nansi (Université Paris-Saclay (FR))

Session Classification: Latest news on global PDF fits and on PDF correlation benchmarking

Contribution ID: 14

Type: **not specified**

IPA workshop on Ultimate Precision at Hadron Colliders: a closer look at synergy/overlap with precision EW working group

Tuesday, 15 October 2019 17:00 (15 minutes)

Presenter: BOONEKAMP, Maarten (Université Paris-Saclay (FR))

Session Classification: Latest news on global PDF fits and on PDF correlation benchmarking

Contribution ID: 15

Type: **not specified**

Update from KKMC-hh

Friday, 18 October 2019 09:30 (20 minutes)

Presenter: YOST, Scott Alan (The Citadel - The Military College of South Carolina (US))

Session Classification: QED/EW corrections relevant for DY precision measurements

Contribution ID: 16

Type: **not specified**

Update from MC-SANC

Friday, 18 October 2019 10:10 (20 minutes)

Presenters: KALINOVSKAYA, Lidia (Joint Institute for Nuclear Research (RU)); BONDARENKO, Serge (Joint Institute for Nuclear Research (RU))

Session Classification: QED/EW corrections relevant for DY precision measurements

Contribution ID: 17

Type: **not specified**

Wrap-up from experimental discussion for pseudodata

Friday, 18 October 2019 10:50 (15 minutes)

Presenter: FROIDEVAUX, Daniel (CERN)

Session Classification: QED/EW corrections relevant for DY precision measurements

Contribution ID: **18**

Type: **not specified**

Wrap-up from discussion of freezing choices for calculations (virtual corrections and QED emissions)

Friday, 18 October 2019 11:20 (20 minutes)

Presenter: RICHTER-WAS, Elzbieta (Jagiellonian University (PL))

Session Classification: QED/EW corrections relevant for DY precision measurements

Contribution ID: **19**

Type: **not specified**

Update on impact of photon-induced contributions and use of LUXQED

Friday, 18 October 2019 09:00 (15 minutes)

Presenter: VICINI, Alessandro (Università degli Studi e INFN Milano (IT))

Session Classification: QED/EW corrections relevant for DY precision measurements