

LHC EW Precision sub-group meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction and practical matters

Wednesday 23 May 2018 13:30 (10 minutes)

Presenter: FROIDEVAUX, Daniel (CERN)

Contribution ID: 2

Type: **not specified**

Impact of QED/EW corrections on m_W measurement: WINHAC

Wednesday 23 May 2018 13:45 (20 minutes)

Presenter: PLACZEK, Wiesiek (Jagiellonian University (PL))

Contribution ID: 3

Type: **not specified**

Impact of QED/EW corrections on m_W measurement: POWHEG EW

Wednesday 23 May 2018 14:15 (20 minutes)

Presenter: PICCININI, Fulvio (Universita and INFN (IT))

Contribution ID: 4

Type: **not specified**

Impact of QED/EW corrections on DY measurements at the LHC

Wednesday 23 May 2018 14:45 (20 minutes)

Presenter: SCHWINN, Christian (RWTH Aachen University)

Contribution ID: 5

Type: **not specified**

Impact of QED/EW corrections on m_W measurement: how to reach higher precision for QED FSR using PHOTOS

Wednesday 23 May 2018 15:15 (20 minutes)

Presenter: WAS, Zbigniew Andrzej (Polish Academy of Sciences (PL))

Contribution ID: 6

Type: **not specified**

A fast and accurate method for perturbative resummation of transverse momentum-dependent observables

Wednesday 23 May 2018 16:15 (20 minutes)

Presenter: VAIDYA, Varun

Contribution ID: 7

Type: **not specified**

Overview of progress with RESBOS: some comments on ResBos 1 and status of ResBos 2

Wednesday 23 May 2018 16:45 (20 minutes)

Presenters: YUAN, C.-P. (Michigan State University); YUAN, C.-P. (Michigan State University); ISAACSON, Joshua (Fermilab); ISAACSON, Joshua (Michigan State University)

Contribution ID: 8

Type: **not specified**

Overview of progress with RADISH

Wednesday 23 May 2018 17:15 (30 minutes)

Presenter: MONNI, Pier Francesco (CERN)

Contribution ID: 9

Type: **not specified**

Overview of resummation in SCET and of progress with GENEVA

Wednesday 23 May 2018 18:00 (40 minutes)

Presenter: TACKMANN, Frank (Deutsches Elektronen-Synchrotron (DE))

Contribution ID: **10**

Type: **not specified**

General discussion on resummation strategies, including DYRES/DYTurbo and CuTe

Wednesday 23 May 2018 18:45 (30 minutes)

Presenter: ALL

Contribution ID: 11

Type: **not specified**

A measurement method for the complete set of angular coefficients for the W boson at the LHC

Thursday 24 May 2018 14:30 (20 minutes)

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

Contribution ID: 12

Type: **not specified**

Observables sensitive to hadronic recoil of W at low and high pile-up

Thursday 24 May 2018 15:00 (30 minutes)

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

Contribution ID: 13

Type: **not specified**

General discussion on resummation and fixed-order calculations for p_{TW} and p_{TZ}

Thursday 24 May 2018 15:30 (1 hour)

Presenter: ALL

Contribution ID: 14

Type: **not specified**

Impact of parton shower and underlying event model on observables related to $p_{T,W/Z}$: HERWIG7

Thursday 24 May 2018 17:00 (30 minutes)

Presenter: SIODMOK, Andrzej Konrad (Polish Academy of Sciences (PL))

Contribution ID: 15

Type: **not specified**

Impact of parton shower and underlying event model on observables related to p_{TW}/Z : SHERPA

Thursday 24 May 2018 17:45 (30 minutes)

Presenter: KRAUSS, Frank Martin (University of Durham (GB))

Contribution ID: 16

Type: **not specified**

Overview of underlying event measurements for DY in CMS

Friday 25 May 2018 09:30 (20 minutes)

Presenter: YAZGAN, Efe (Chinese Academy of Sciences (CN))

Contribution ID: 17

Type: **not specified**

Overview of underlying event measurements for DY in ATLAS

Friday 25 May 2018 10:00 (20 minutes)

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

Contribution ID: **18**

Type: **not specified**

Prospects for measurement of mW in LHCb

Friday 25 May 2018 09:00 (20 minutes)

Presenters: VESTERINEN, Mika Anton (University of Oxford (GB)); TBC

Contribution ID: **19**

Type: **not specified**

Follow-up on April workshop on s2w: introduction

Contribution ID: 20

Type: **not specified**

Tests of EW/QED corrections in CMS

Presenter: TBC

Contribution ID: 21

Type: **not specified**

Follow-up on April workshop on s2w: benchmarking tests, schemes, etc

Thursday 24 May 2018 09:40 (45 minutes)

Presenters: VICINI, Alessandro (Università degli Studi e INFN Milano (IT)); APYAN, Aram (Fermi National Accelerator Lab. (US)); FROIDEVAUX, Daniel (CERN); RICHTER-WAS, Elzbieta (Jagiellonian University (PL)); PICCININI, Fulvio (Universita and INFN (IT))

Contribution ID: 22

Type: **not specified**

General discussion on mW and next steps

Friday 25 May 2018 11:00 (1h 30m)

Contribution ID: 23

Type: **not specified**

Further discussion if required

Contribution ID: 24

Type: **not specified**

Update on CDF mW measurements and possible combination with LHC

Friday 25 May 2018 14:30 (20 minutes)

Presenter: KOTWAL, Ashutosh (Duke University)

Contribution ID: 25

Type: **not specified**

Combination of LHC and Tevatron mass measurements: discussion

Friday 25 May 2018 15:00 (30 minutes)

Presenters: BOONEKAMP, Maarten (Université Paris-Saclay (FR)); BOONEKAMP, Maarten (CEA/Saclay)

Contribution ID: 26

Type: **not specified**

PDF and flavour dependence of resummed cross sections

Thursday 24 May 2018 18:30 (20 minutes)

Presenter: NADOLSKY, Pavel (Southern Methodist University)

Contribution ID: 27

Type: **not specified**

Overview of progress with NNLOJET

Thursday 24 May 2018 14:00 (20 minutes)

Presenter: HUSS, Alexander Yohei (CERN)

Contribution ID: 28

Type: **not specified**

Update on D0 mW measurements and possible combination with LHC

Friday 25 May 2018 14:00 (20 minutes)

Presenter: STARK, Jan (LPSC Grenoble, CNRS/UGA (FR))

Contribution ID: 29

Type: **not specified**

Pre-workshop meeting on QED FSR implementations: Sherpa QED FSR

Wednesday 23 May 2018 09:00 (15 minutes)

Presenter: KRAUSS, Frank Martin (University of Durham (GB))

Contribution ID: **30**

Type: **not specified**

Pre-workshop meeting on QED FSR implementations: summary of benchmarking done to-date

Thursday 24 May 2018 09:00 (20 minutes)

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

Contribution ID: 31

Type: **not specified**

Pre-workshop meeting on QED FSR implementations: discussion and next steps

Wednesday 23 May 2018 10:00 (25 minutes)

Contribution ID: 32

Type: **not specified**

Pre-workshop meeting on QED FSR implementations: Photos

Wednesday 23 May 2018 09:15 (15 minutes)

Presenter: WAS, Zbigniew Andrzej (Polish Academy of Sciences (PL))

Contribution ID: 33

Type: **not specified**

Born leptons, dressed leptons, and bare leptons: what is done in the experiments using the example of ATLAS

Thursday 24 May 2018 09:20 (20 minutes)

Presenter: FROIDEVAUX, Daniel (CERN)