

LHC EW WG General Meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

Progress with NNLOPS

Tuesday 15 February 2022 14:00 (20 minutes)

Presenter: WIESEMANN, Marius (Max Planck Society (DE))

Session Classification: Generators

Contribution ID: 2

Type: **not specified**

New fixed order predictions for single bosons

Wednesday 16 February 2022 14:00 (20 minutes)

Presenters: BUCCIONI, Federico (University of Zurich); BUCCIONI, Federico (University of Oxford)

Session Classification: Generators

Contribution ID: 3

Type: **not specified**

Linear power corrections for two-body kinematics

Wednesday 16 February 2022 14:30 (20 minutes)

Presenter: BUONOCORE, Luca (University of Zurich)

Session Classification: Generators

Contribution ID: 4

Type: **not specified**

Polarised simulations for multiboson processes

Tuesday 15 February 2022 14:30 (20 minutes)

Presenter: PELLICCIOLI, Giovanni (Würzburg University)

Session Classification: Generators

Contribution ID: 5

Type: **not specified**

NNLO three jet production

Tuesday 15 February 2022 15:00 (20 minutes)

Presenter: PONCELET, Rene (Cambridge University)

Session Classification: Jets

Contribution ID: 6

Type: **not specified**

Recent theory developments on substructure

Tuesday 15 February 2022 15:30 (20 minutes)

Presenters: REICHELDT, Daniel (Christoph-Graupner-Gymnasium Kirchberg); REICHELDT, Daniel (Durham University, IPPP); REICHELDT, Daniel (Technische Universitaet Dresden (DE))

Session Classification: Jets

Contribution ID: 7

Type: **not specified**

Recent experimental results on substructure

Tuesday 15 February 2022 16:00 (20 minutes)

Presenter: CRUZ TORRES, Reynier (Lawrence Berkeley National Lab. (US))

Session Classification: Jets

Contribution ID: 8

Type: **not specified**

Z + charm measurement at LHCb

Tuesday 15 February 2022 16:30 (20 minutes)

Presenter: WILLIAMS, J Michael (Massachusetts Inst. of Technology (US))

Session Classification: Jets

Contribution ID: 9

Type: **not specified**

inclusive jets with PDF and EFT interpretations (CMS)

Tuesday 15 February 2022 17:00 (20 minutes)

Presenter: LIPKA, Katerina (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Jets

Contribution ID: **10**

Type: **not specified**

Global ATLAS PDF fit

Tuesday 15 February 2022 17:30 (20 minutes)

Presenter: GIULI, Francesco (Brandeis University (US))

Session Classification: PDF

Contribution ID: 11

Type: **not specified**

Theory overview and recent developments

Tuesday 15 February 2022 18:00 (20 minutes)

Presenter: CRIDGE, Thomas (University College London)

Session Classification: PDF

Contribution ID: 12

Type: **not specified**

Parameter determinations with PDFs

Tuesday 15 February 2022 18:30 (20 minutes)

Presenter: BRITZGER, Daniel (Max-Planck-Institut für Physik München)

Session Classification: PDF

Contribution ID: 13

Type: **not specified**

Update on the correlation exercise

Session Classification: PDF

Contribution ID: 14

Type: **not specified**

LHCb W mass

Wednesday 16 February 2022 15:30 (20 minutes)

Presenter: RAMOS PERNAS, Miguel (University of Warwick (GB))

Session Classification: Precision measurements

Contribution ID: 15

Type: **not specified**

W mass and PDFs

Presenter: BAGNASCHI, Emanuele Angelo (CERN)

Session Classification: Precision measurements

Contribution ID: 16

Type: **not specified**

Update from W mass combination

Wednesday 16 February 2022 15:00 (20 minutes)

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

Session Classification: Precision measurements

Contribution ID: 17

Type: **not specified**

Standard Model fit

Wednesday 16 February 2022 16:00 (20 minutes)

Presenter: ERLER, Jens (IF-UNAM)

Session Classification: Precision measurements

Contribution ID: **18**

Type: **not specified**

Overview of experimental results

Wednesday 16 February 2022 16:45 (30 minutes)

with focus on theory limitations

Presenter: GOBLIRSCH-KOLB, Maximilian Emanuel (Brandeis University (US))

Session Classification: Multibosons

Contribution ID: **19**

Type: **not specified**

Theory overview

Wednesday 16 February 2022 17:25 (30 minutes)

Presenter: LINDERT, Jonas (University of Sussex)

Session Classification: Multibosons

Contribution ID: 20

Type: **not specified**

Precision and multiboson measurements connection with EFT

Wednesday 16 February 2022 18:05 (30 minutes)

Presenter: DEGRANDE, Celine Catherine A (CERN)

Session Classification: Connection with EFT

Contribution ID: 21

Type: **not specified**

Report from LHC EFT WG

Wednesday 16 February 2022 18:35 (20 minutes)

Presenter: LOHWASSER, Kristin (University of Sheffield (GB))

Session Classification: Connection with EFT

Contribution ID: 22

Type: **not specified**

New fixed order predictions for single bosons

Session Classification: Precision measurements

Contribution ID: 23

Type: **not specified**

Fiducial power corrections in resummation

Session Classification: Precision measurements

Contribution ID: 24

Type: **not specified**

Status of Yellow Report

Thursday 17 February 2022 17:00 (15 minutes)

Presenters: LINDERT, Jonas (University of Sussex); CHANG, Philip (Univ. of California San Diego (US))

Session Classification: WG3: Activities report and outlook

Contribution ID: 25

Type: **not specified**

VBF: Community Discussion on YR Recommendations (5'+10')

Thursday 17 February 2022 17:15 (15 minutes)

Presenters: GILLBERG, Dag (Carleton University); LINDERT, Jonas (University of Sussex); AZ-ZURRI, Paolo (Universita & INFN Pisa (IT))

Session Classification: WG3: Activities report and outlook

Contribution ID: 26

Type: **not specified**

Welcome

Tuesday 15 February 2022 13:50 (5 minutes)

Presenters: VICINI, Alessandro (Università degli Studi e INFN Milano (IT)); PILKINGTON, Andrew (University Of Manchester); WACKEROTH, Doreen (SUNY Buffalo); MEONI, Evelin (Università della Calabria e INFN (IT)); VESTERINEN, Mika Anton (University of Warwick (GB)); AZZURRI, Paolo (Università & INFN Pisa (IT)); DITTMAYER, Stefan (Albert Ludwigs Universität Freiburg (DE)); CIULLI, Vitaliano (Università e INFN, Firenze (IT)); BARTER, William (Imperial College (GB))

Contribution ID: 27

Type: **not specified**

Overview of status of QED/EW corrections at the Z pole

Thursday 17 February 2022 14:00 (25 minutes)

Presenter: PICCININI, Fulvio (Pavia University and INFN (IT))

Session Classification: WG1 : Activities report and outlook

Contribution ID: 28

Type: **not specified**

Overview of status of pTW/Z resummation benchmarking

Thursday 17 February 2022 14:35 (25 minutes)

Presenter: MICHEL, Johannes (MIT CTP)

Session Classification: WG1 : Activities report and outlook

Contribution ID: 29

Type: **not specified**

Update on pseudodata for weak mixing angle measurements in run 2 and on status of preparation of report

Thursday 17 February 2022 15:10 (10 minutes)

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

Session Classification: WG1 : Activities report and outlook

Contribution ID: 30

Type: **not specified**

Discriminating the heavy jet production mechanisms in associated Z + heavy flavor events at the LHC

Thursday 17 February 2022 15:30 (30 minutes)

Presenter: MALISHEV, Maksim (Moscow State University)

Session Classification: WG2 : Activities report and outlook

Contribution ID: 31

Type: **not specified**

Towards an LHC tune: primordial kt

Thursday 17 February 2022 16:00 (30 minutes)

Presenter: MENDIZABAL MORENTIN, Mikel (Deutsches Elektronen-Synchrotron (DE))

Session Classification: WG2 : Activities report and outlook

Contribution ID: 32

Type: **not specified**

Overview on benchmark comparisons, yellow report, LHC tune

Thursday 17 February 2022 16:30 (20 minutes)

Presenter: BERMUDEZ MARTINEZ, Armando (CMS-DESY)

Session Classification: WG2 : Activities report and outlook

Contribution ID: 33

Type: **not specified**

VBS: Community Discussion on YR Recommendations (5'+10')

Thursday 17 February 2022 17:30 (15 minutes)

Presenters: GOMEZ CEBALLOS RETUERTO, Guillermo (Massachusetts Inst. of Technology (US)); LOHWASSER, Kristin (University of Sheffield (GB)); ZARO, Marco (Università degli Studi e INFN Milano (IT)); PELLEN, Mathieu (University of Freiburg); LORENZO MARTINEZ, Narei (Centre National de la Recherche Scientifique (FR))

Session Classification: WG3: Activities report and outlook

Contribution ID: 34

Type: **not specified**

VV: Community Discussion on YR Recommendations (5'+10')

Thursday 17 February 2022 17:45 (15 minutes)

Presenters: LONG, Kenneth (Massachusetts Inst. of Technology (US)); WIESEMANN, Marius (Max Planck Society (DE)); KALLWEIT, Stefan (Universita & INFN, Milano-Bicocca (IT)); YAP, Yee Chinn (Deutsches Elektronen-Synchrotron (DE))

Session Classification: WG3: Activities report and outlook

Contribution ID: 35

Type: **not specified**

VVV: Community Discussion on YR Recommendations (5'+10')

Thursday 17 February 2022 18:00 (15 minutes)

Presenters: SCIANDRA, Andrea (University of California,Santa Cruz (US)); SCHOENHERR, Marek (University of Durham (GB)); BHATTACHARYA, Saptaparna (Northwestern University (US))

Session Classification: WG3: Activities report and outlook