

LHC EW WG General Meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

Opening session

Contribution ID: 2

Type: **not specified**

Welcome on behalf of LHC Physics Center

Wednesday 10 July 2024 10:00 (10 minutes)

Presenter: MANGANO, Michelangelo (CERN)

Session Classification: Session

Contribution ID: 3

Type: **not specified**

Workshop introduction

Wednesday 10 July 2024 10:10 (10 minutes)

Presenter: GOMEZ CEBALLOS RETUERTO, Guillelmo (Massachusetts Inst. of Technology (US))

Session Classification: Session

Contribution ID: 4

Type: **not specified**

Monte-Carlo developments and Electroweak/mixed QCD-EW corrections

Wednesday 10 July 2024 10:20 (40 minutes)

Presenter: ZARO, Marco (Università degli Studi e INFN Milano (IT))

Session Classification: Session

Contribution ID: 5

Type: **not specified**

qT resummation report

Wednesday 10 July 2024 11:00 (35 minutes)

Presenter: ROTTOLI, Luca (University of Zurich (CH))

Session Classification: Session

Contribution ID: 6

Type: **not specified**

General PDF status and prospects

Wednesday 10 July 2024 11:35 (40 minutes)

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

Session Classification: Session

Contribution ID: 7

Type: **not specified**

Experimental perspective of the future SM LHC program

Wednesday 10 July 2024 14:00 (35 minutes)

Presenter: BLUMENSCHHEIN, Ulla (University of London (GB))

Session Classification: Session

Contribution ID: 8

Type: **not specified**

Introduction and goals

Wednesday 10 July 2024 14:40 (10 minutes)

Presenters: SUNAR CERCI, Deniz (Yildiz Technical University (TR)); CAMPANELLI, Mario (UCL)

Session Classification: Session

Contribution ID: 9

Type: **not specified**

Jet substructure paper/report

Wednesday 10 July 2024 14:50 (10 minutes)

Presenters: SUNAR CERCI, Deniz (Yildiz Technical University (TR)); CAMPANELLI, Mario (UCL)

Session Classification: Session

Contribution ID: **10**

Type: **not specified**

Ongoing CMS tuning efforts

Wednesday 10 July 2024 15:00 (15 minutes)

Presenter: XIAO, Jie (Centre National de la Recherche Scientifique (FR))

Session Classification: Session

Contribution ID: 11

Type: **not specified**

Ongoing ATLAS tuning efforts

Wednesday 10 July 2024 15:15 (15 minutes)

Presenter: HARRIS, Ynyr (University of Bonn (DE))

Session Classification: Session

Contribution ID: 12

Type: **not specified**

Energy dependence of intrinsic k_T with the Parton branching method

Wednesday 10 July 2024 15:30 (10 minutes)

Presenter: RAICEVIC, Natasa (University of Montenegro (ME))

Session Classification: Session

Contribution ID: 13

Type: **not specified**

V+light jets (ATLAS+CMS)

Wednesday 10 July 2024 15:40 (15 minutes)

Presenters: PIZZATI, Giorgio; PIZZATI, Giorgio (Universita & INFN, Milano-Bicocca (IT))

Session Classification: Session

Contribution ID: 14

Type: **not specified**

V+light jets (LHCb and ALICE)

Wednesday 10 July 2024 15:55 (15 minutes)

Presenter: GRIESER, Nathan (University of Cincinnati (US))

Session Classification: Session

Contribution ID: 15

Type: **not specified**

Energy-energy correlation measurements (CMS+ATLAS)

Presenter: XIAO, Meng (ZJU - Zhejiang University (CN))

Session Classification: Session

Contribution ID: 16

Type: **not specified**

Low-mu runs (ATLAS)

Wednesday 10 July 2024 17:00 (15 minutes)

Presenter: BALLI, Fabrice (Université Paris-Saclay (FR))

Session Classification: Session

Contribution ID: 17

Type: **not specified**

Low-mu runs (CMS)

Wednesday 10 July 2024 17:15 (15 minutes)

Presenter: EYSERMANS, Jan (Massachusetts Inst. of Technology (US))

Session Classification: Session

Contribution ID: **18**

Type: **not specified**

Low-mu run (FWD perspective, CMS)

Wednesday 10 July 2024 17:30 (10 minutes)

Presenter: PITT, Michael (The University of Kansas (US))

Session Classification: Session

Contribution ID: 19

Type: **not specified**

Low-mu run (FWD perspective, ATLAS)

Wednesday 10 July 2024 17:40 (10 minutes)

Presenters: CLAWSON, Savannah; CLAWSON, Savannah (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Session

Contribution ID: 20

Type: **not specified**

Flavor and q/g def (theory talk)

Wednesday 10 July 2024 17:50 (20 minutes)

Presenters: STAGNITTO, Giovanni (INFN - National Institute for Nuclear Physics); STAGNITTO, Giovanni (Universita & INFN, Milano-Bicocca (IT))

Session Classification: Session

Contribution ID: **21**

Type: **not specified**

Experimental aspects of flavour definition

Wednesday 10 July 2024 18:10 (20 minutes)

Presenter: Dr SFORZA, Federico (University and INFN Genoa)

Session Classification: Session

Contribution ID: 22

Type: **not specified**

Energy-energy correlation measurements (CMS+ATLAS)

Wednesday 10 July 2024 16:10 (20 minutes)

Presenter: XIAO, Meng (ZJU - Zhejiang University (CN))

Session Classification: Session

Contribution ID: 23

Type: **not specified**

Discussion

Friday 12 July 2024 10:20 (30 minutes)

20+10min

Presenters: DEGRANDE, Celine Catherine A (CERN); LINDERT, Jonas; VILIANI, Lorenzo (Universita e INFN, Firenze (IT)); CALFAYAN, Philippe (Carleton University (CA)); LI, Shu (Tsung-Dao Lee Institute (CN) & Shanghai Jiao Tong Univ. (CN)); HADDAD, Yacine (Northeastern University (US))

Session Classification: Session

Contribution ID: 24

Type: **not specified**

Multiboson and VBS measurements

Thursday 11 July 2024 11:00 (40 minutes)

30+10min

Presenter: LIZZO, Mattia (Universita e INFN, Firenze (IT))

Session Classification: Session

Contribution ID: 25

Type: **not specified**

Polarisation measurements

Thursday 11 July 2024 11:40 (40 minutes)

30+10min

Presenters: BACHMANN, Erik (Technische Universitaet Dresden (DE)); STANGE, Max Vincent (Technische Universitaet Dresden (DE))

Session Classification: Session

Contribution ID: 26

Type: **not specified**

Higher-order corrections for VBS and polarised processes

Thursday 11 July 2024 12:20 (40 minutes)

30+10min

Presenter: DENNER, Ansgar (Julius Max. Universitaet Wuerzburg (DE))

Session Classification: Session

Contribution ID: 27

Type: **not specified**

Perturbative uncertainties for high-energy tails

Friday 12 July 2024 09:00 (40 minutes)

30+10min

Presenter: LINDERT, Jonas

Session Classification: Session

Contribution ID: 28

Type: **not specified**

Parton shower issues and ideas in VBS

Friday 12 July 2024 09:40 (40 minutes)

30+10min

Presenter: Dr KARLBERG, Alexander (CERN)

Session Classification: Session

Contribution ID: 29

Type: **not specified**

WG1 goals and paper status

Thursday 11 July 2024 09:00 (20 minutes)

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

Session Classification: Session

Contribution ID: **30**

Type: **not specified**

W mass and width measurement

Thursday 11 July 2024 09:25 (25 minutes)

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

Session Classification: Session

Contribution ID: **31**

Type: **not specified**

Weak mixing angle measurement at CMS

Thursday 11 July 2024 09:55 (25 minutes)

Presenter: TAUS, Rhys (University of Rochester (US))

Session Classification: Session

Contribution ID: **32**

Type: **not specified**

PDF issues: viewpoint from the experiments

Thursday 11 July 2024 14:00 (30 minutes)

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

Session Classification: Session

Contribution ID: 33

Type: **not specified**

MSHT report

Thursday 11 July 2024 14:40 (20 minutes)

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

Session Classification: Session

Contribution ID: **34**

Type: **not specified**

ABMP report

Thursday 11 July 2024 15:05 (20 minutes)

Presenters: ZENAIEV, Oleksandr (Hamburg University); ZENAIEV, Oleksandr

Session Classification: Session

Contribution ID: 35

Type: **not specified**

CTEQ report

Thursday 11 July 2024 15:30 (20 minutes)

Presenter: Prof. NADOLSKY, Pavel (Southern Methodist University)

Session Classification: Session

Contribution ID: **36**

Type: **not specified**

NNPDF report

Thursday 11 July 2024 15:55 (20 minutes)

Presenter: UBIALI, Maria (University of Cambridge (GB))

Session Classification: Session

Contribution ID: 37

Type: **not specified**

Theory Uncertainty workshop summary

Thursday 11 July 2024 16:50 (20 minutes)

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

Session Classification: Session

Contribution ID: **38**

Type: **not specified**

SM measurements in the next decade - MOVED TO FRIDAY MORNING

Wednesday 10 July 2024 12:15 (40 minutes)

Presenters: KRAUSS, FRANK; KRAUSS, Frank

Session Classification: Session

Contribution ID: **39**

Type: **not specified**

<https://indico.cern.ch/event/1433939/>

Session Classification: Session

Contribution ID: **40**

Type: **not specified**

Workshop Closout

Friday 12 July 2024 11:50 (10 minutes)

Contribution ID: 41

Type: **not specified**

Theory Uncertainties in Extracting α_s from the Z pT Spectrum

Thursday 11 July 2024 17:20 (20 minutes)

Presenters: TACKMANN, Frank (Deutsches Elektronen-Synchrotron (DE)); TACKMANN, Frank

Session Classification: Session

Contribution ID: 42

Type: **not specified**

SM measurements in the next decade

Friday 12 July 2024 11:10 (40 minutes)

Presenters: KRAUSS, FRANK; KRAUSS, Frank

Session Classification: Session