

LHC TOP WG meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction

Wednesday 19 May 2021 14:00 (10 minutes)

Presenters: MALTONI, Fabio (Universite Catholique de Louvain (UCL) (BE) and Università di Bologna); ALDAYA MARTIN, Maria (DESY); MANGANO, Michelangelo (CERN); SCHWIENHORST, Reinhard (Michigan State University (US)); WAGNER, Wolfgang (Bergische Universitaet Wuppertal (DE))

Contribution ID: 2

Type: **not specified**

ATLAS Highlight – 1

Wednesday 19 May 2021 14:15 (20 minutes)

Presenter: QIN, Quake (University of Manchester (GB))

Contribution ID: 3

Type: **not specified**

CMS Highlight – 1

Wednesday 19 May 2021 14:45 (20 minutes)

Presenter: HINDRICHS, Otto Heinz (University of Rochester (US))

Contribution ID: 4

Type: **not specified**

Towards a common ATLAS+CMS MC sample

Wednesday 19 May 2021 15:15 (20 minutes)

Presenters: HIRSCHBUEHL, Dominic (Bergische Universitaet Wuppertal (DE)); NEGRO, Giulia (Purdue University (US))

Contribution ID: 5

Type: **not specified**

Status of LHC top mass and other combination efforts

Wednesday 19 May 2021 15:45 (15 minutes)

Presenters: OWEN, Mark Andrew (University of Glasgow (GB)); MULDER, Martijn (CERN)

Contribution ID: 6

Type: **not specified**

NNLO+PS for tt production (arXiv:2012.14267 [hep-ph])

Wednesday 19 May 2021 16:40 (30 minutes)

Presenter: WIESEMANN, Marius (Max-Planck-Institut für Physik (DE))

Contribution ID: 7

Type: **not specified**

High-level comparison of tt differential distributions

Contribution ID: 8

Type: **not specified**

Framing energetic top-quark pair production at the LHC (arXiv:2101.06068 [hep-ph])

Wednesday 19 May 2021 17:30 (20 minutes)

Presenter: CAOLA, Fabrizio (University of Oxford (GB))

Contribution ID: 9

Type: **not specified**

Single-top t-channel at NNLO in QCD (differential) (arXiv:2012.01574 [hep-ph])

Thursday 20 May 2021 14:00 (20 minutes)

Presenter: NEUMANN, Tobias (Brookhaven National Laboratory)

Contribution ID: **10**

Type: **not specified**

CMS Highlight – 2

Thursday 20 May 2021 14:30 (20 minutes)

Presenter: MITRA, Soureek (KIT - Karlsruhe Institute of Technology (DE))

Contribution ID: **11**

Type: **not specified**

ATLAS Highlight – 2

Thursday 20 May 2021 15:00 (20 minutes)

Presenter: HAWKINGS, Richard (CERN)

Contribution ID: 12

Type: **not specified**

Top and Beauty synergies in SMEFT

Thursday 20 May 2021 16:30 (20 minutes)

Presenter: HILLER, Gudrun (Technische Universitaet Dortmund (DE))

Contribution ID: 13

Type: **not specified**

Digest of LHC EFT WG Open Meeting

Thursday 20 May 2021 15:30 (20 minutes)

Presenters: SKOVPEN, Kirill (Ghent University (BE)); BERTA, Peter (Deutsches Elektronen-Synchrotron (DE))

Contribution ID: 14

Type: **not specified**

Improving ttW(+jet) predictions (arXiv:2101.11808 [hep-ph])

Thursday 20 May 2021 17:00 (30 minutes)

Presenter: Dr KRAUS, Manfred (Florida State University)

Contribution ID: 15

Type: **not specified**

CMS Highlight – 3

Thursday 20 May 2021 17:40 (20 minutes)

Presenters: LEGGAT, Duncan Alexander (Brunel University (GB)); LEGGAT, Duncan (Chinese Academy of Sciences (CN))

Contribution ID: **16**

Type: **not specified**

4top February workshop summary/highlights

Thursday 20 May 2021 18:10 (15 minutes)

Presenter: SALVIONI, Ennio (CERN)

Contribution ID: 17

Type: **not specified**

Latest ttgamma results from CMS and comparison with ATLAS

Friday 21 May 2021 14:00 (20 minutes)

Presenters: DIEZ PARDOS, Carmen (Universitaet Siegen (DE)); LECHNER, Lukas (Austrian Academy of Sciences (AT))

Contribution ID: 18

Type: **not specified**

Fun theory – 1: mtop: Parameter Inference from Event Ensembles and mt (arXiv:2011.04666 [hep-ph])

Friday 21 May 2021 14:30 (20 minutes)

Presenter: FRASER, Katherine (Harvard University)

Contribution ID: 19

Type: **not specified**

Fun theory – 2: Testing Bell inequalities at the LHC with top-quark pairs (arXiv:2102.11883)

Friday 21 May 2021 15:00 (20 minutes)

Presenters: FABBRICHESI, Marco (INFN/SISSA); FABBRICHESI, Marco (INFN - National Institute for Nuclear Physics)