

Workshop on Tools for High Precision LHC Simulations

Report of Contributions

Contribution ID: 1

Type: **not specified**

Departure from Munich

Monday, 31 October 2022 10:00 (1 hour)

Contribution ID: 2

Type: **not specified**

Check-In at the Castle

Monday, 31 October 2022 11:00 (1 hour)

Contribution ID: 3

Type: **not specified**

Latest highlights in Higgs Physics by ATLAS

Monday, 31 October 2022 14:15 (45 minutes)

Presenter: FERRARI, Pamela

Session Classification: Experimental Talks

Contribution ID: 4

Type: **not specified**

SM measurements at the precision frontier in CMS

Monday, 31 October 2022 15:15 (45 minutes)

Presenter: AMOROSO, Simone

Session Classification: Experimental Talks

Contribution ID: 5

Type: **not specified**

Geneva Monte Carlo: status and recent developments

Tuesday, 1 November 2022 10:00 (30 minutes)

Presenter: ALIOLI, Simone

Session Classification: Monte Carlo & Matching Session

Contribution ID: 6

Type: **not specified**

Higher-order computation for jet processes

Thursday, 3 November 2022 16:45 (30 minutes)

Presenter: ROTTOLI, Luca

Session Classification: Fixed Order Session

Contribution ID: 8

Type: **not specified**

NNLO+PS predictions for diboson processes in MiNNLO

Tuesday, 1 November 2022 09:00 (20 minutes)

Presenter: LOMBARDI, Daniele

Session Classification: Monte Carlo & Matching Session

Contribution ID: **10**

Type: **not specified**

NNLO+PS predictions for bottom-quark pair production in MiNNLO

Tuesday, 1 November 2022 12:00 (20 minutes)

Presenter: RATTI, Alessandro

Session Classification: Monte Carlo & Matching Session

Contribution ID: 11

Type: **not specified**

SMEFT: selected results and open questions (baseline for discussion)

Wednesday, 2 November 2022 11:00 (30 minutes)

Presenter: BRIVIO, Ilaria

Session Classification: BSM/SMEFT

Contribution ID: 12

Type: **not specified**

SMEFT in Monte Carlo

Wednesday, 2 November 2022 09:00 (30 minutes)

Presenter: VRYONIDOU, Eleni

Session Classification: BSM/SMEFT

Contribution ID: 13

Type: **not specified**

NNLO+PS predictions for HV with H->bb in SMEFT

Wednesday, 2 November 2022 11:45 (30 minutes)

Presenter: HAISCH, Uli

Session Classification: BSM/SMEFT

Contribution ID: 14

Type: **not specified**

qT subtraction for massive final states: $Wbb@NNLO$ in 4FS

Tuesday, 1 November 2022 17:30 (30 minutes)

Presenter: BUONOCORE, Luca

Session Classification: Fixed Order Session

Contribution ID: 15

Type: **not specified**

ttH production at NNLO

Tuesday, 1 November 2022 16:00 (30 minutes)

Presenter: GRAZZINI, Massimiliano

Session Classification: Fixed Order Session

Contribution ID: 16

Type: **not specified**

Recent progress in Higher-Order Calculations

Monday, 31 October 2022 16:45 (30 minutes)

Presenter: HUSS, Alexander

Session Classification: Fixed Order Session

Contribution ID: 17

Type: **not specified**

Estimating QCD-EW and EW higher-order corrections

Thursday, 3 November 2022 14:00 (30 minutes)

Presenter: LINDERT, Jonas

Session Classification: Fixed Order Session

Contribution ID: **18**

Type: **not specified**

Progress in loop calculations

Tuesday, 1 November 2022 14:45 (30 minutes)

Presenter: TANCREDI, Lorenzo

Session Classification: Fixed Order Session

Contribution ID: 19

Type: **not specified**

Non-local slicing approach for NNLO QCD in MCFM

Tuesday, 1 November 2022 16:45 (30 minutes)

Presenter: ELLIS, Keith

Session Classification: Fixed Order Session

Contribution ID: 20

Type: **not specified**

NNLO+PS predictions for heavy-quark production

Tuesday, 1 November 2022 11:15 (30 minutes)

Presenter: MAZZITELLI, Javier

Session Classification: Monte Carlo & Matching Session

Contribution ID: 22

Type: **not specified**

Polarized weak bosons at the LHC: automation at NLO QCD+EW accuracy

Thursday, 3 November 2022 14:45 (30 minutes)

Presenter: PELLICOLI, Giovanni

Session Classification: Fixed Order Session

Contribution ID: 23

Type: **not specified**

Non-factorisable contribution to t-channel single-top production

Thursday, 3 November 2022 17:30 (30 minutes)

Presenter: WANG, Chen Yu

Session Classification: Fixed Order Session

Contribution ID: 24

Type: **not specified**

NLL-accurate PanScales showers for hadron collisions

Thursday, 3 November 2022 09:45 (30 minutes)

Presenter: FERRARIO RAVASIO, Silvia

Session Classification: Parton Shower

Contribution ID: 25

Type: **not specified**

Calculations for e+e- colliders with initial state QED radiation

Tuesday, 1 November 2022 14:00 (30 minutes)

Presenter: FRIXIONE, Stefano

Session Classification: Fixed Order Session

Contribution ID: 27

Type: **not specified**

Amplitude evolution and recent related developments in CVolver and Herwig

Thursday, 3 November 2022 09:00 (30 minutes)

Presenter: PLÄTZER, Simon

Session Classification: Parton Shower

Contribution ID: 28

Type: **not specified**

Drell-Yan production of leptoquarks coupling to heavy quark flavours at NLO+PS in QCD

Friday, 4 November 2022 10:30 (20 minutes)

Presenter: SCHNELL, Luc

Session Classification: BSM/SMEFT

Contribution ID: 29

Type: **not specified**

PDFs and BSM interplay

Friday, 4 November 2022 09:45 (30 minutes)

Presenter: UBIALI, Maria

Session Classification: PDF and Alphas

Contribution ID: **30**

Type: **not specified**

Fits of as from event shapes

Friday, 4 November 2022 09:00 (30 minutes)

Presenter: NASON, Paolo

Session Classification: PDF and Alphas

Contribution ID: **31**

Type: **not specified**

Welcome and organisational information

Monday, 31 October 2022 14:00 (15 minutes)

Contribution ID: 33

Type: **not specified**

MC@NLO-delta/Improving stability in distributions for subtractions

Thursday, 3 November 2022 11:00 (30 minutes)

Presenter: FREDERIX, Rikkert

Session Classification: Parton Shower

Contribution ID: 34

Type: **not specified**

Inclusion NLO EW corrections in NNLO+PS event generation with MiNNLO

Tuesday, 1 November 2022 09:30 (20 minutes)

Presenter: ZANOLI, Silvia

Session Classification: Monte Carlo & Matching Session

Contribution ID: 35

Type: **not specified**

Infrared-safe definition of jet flavour

Thursday, 3 November 2022 11:45 (30 minutes)

Presenter: GAULD, Rhorry

Session Classification: Fixed Order Session

Contribution ID: 36

Type: **not specified**

Soft and next-to-soft resummation for processes at the LHC

Thursday, 3 November 2022 16:00 (30 minutes)

Presenter: SANKAR, Aparna

Session Classification: Fixed Order Session

Contribution ID: **38**

Type: **not specified**

SMEFT input schemes

Wednesday, 2 November 2022 09:45 (30 minutes)

Presenter: SCOTT, Darren

Session Classification: BSM/SMEFT