

# **Milan Christmas Meeting 2022**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Automatic evaluation of Feynman integrals using semi-analytical techniques

*Wednesday, December 21, 2022 3:30 PM (20 minutes)*

**Presenter:** ARMADILLO, Tommaso

**Session Classification:** MCM22

Contribution ID: 2

Type: **not specified**

## **Combining QED and QCD transverse-momentum resummation for electroweak boson production at hadron colliders**

*Wednesday, December 21, 2022 3:00 PM (20 minutes)*

**Presenter:** AUTIERI, Andrea

**Session Classification:** MCM22

Contribution ID: 3

Type: **not specified**

## **Missing higher order uncertainties in an NNPDF fit**

*Thursday, December 22, 2022 4:40 PM (20 minutes)*

**Presenter:** BARONTINI, Andrea (Università degli studi di Milano)

**Session Classification:** MCM22

Contribution ID: 4

Type: **not specified**

## Theory uncertainty from missing higher orders

*Thursday, December 22, 2022 5:10 PM (20 minutes)*

**Presenter:** BONVINI, Marco (INFN, Rome 1 Unit)

**Session Classification:** MCM22

Contribution ID: 5

Type: **not specified**

## **ttH production at the LHC and the top-to-Higgs fragmentation function**

*Wednesday, December 21, 2022 4:30 PM (20 minutes)*

**Presenters:** BRANCACCIO, Colomba; BRANCACCIO, Colomba

**Session Classification:** MCM22

Contribution ID: 6

Type: **not specified**

## **New Flavour of Jet Flavor**

*Friday, December 23, 2022 10:00 AM (20 minutes)*

**Presenter:** CALETTI, Simone

**Session Classification:** MCM22

Contribution ID: 7

Type: **not specified**

## **Multiboson production at a multi-TeV muon collider**

*Wednesday, December 21, 2022 5:30 PM (20 minutes)*

**Presenter:** CELADA, Eugenia

**Session Classification:** MCM22



Contribution ID: 8

Type: **not specified**

## Pushing Parton Showers accuracy to Next-To-Leading Log

*Thursday, December 22, 2022 12:00 PM (20 minutes)*

**Presenter:** FERRARIO RAVASIO, Silvia (University of Milan - Bicocca)

**Session Classification:** MCM22

Contribution ID: 9

Type: **not specified**

# **Rational algorithms for the decomposition of Feynman Integrals via Intersection Theory**

*Thursday, December 22, 2022 10:30 AM (20 minutes)*

**Presenter:** FONTANA, Gaia

**Session Classification:** MCM22

Contribution ID: **10**

Type: **not specified**

**TBA**

*Friday, December 23, 2022 11:30 AM (20 minutes)*

**Presenter:** GHIRA, Andrea (Università degli studi di Genova)

**Session Classification:** MCM22

Contribution ID: 11

Type: **not specified**

## **EW and QCD physics at the high energy muon collider**

*Thursday, December 22, 2022 2:30 PM (20 minutes)*

**Presenter:** Dr MA, Yang (INFN Bologna)

**Session Classification:** MCM22

Contribution ID: 12

Type: **not specified**

## **Off-shell predictions for associated production of top quarks with electroweak bosons at NLO accuracy**

*Wednesday, December 21, 2022 5:00 PM (20 minutes)*

**Presenters:** PELLICCIOLI, Giovanni (Max-Planck-Institut für Physik); PELLICCIOLI, Giovanni (Würzburg University)

**Session Classification:** MCM22

Contribution ID: 13

Type: **not specified**

## **Next-to-Leading Order virtual correction to Higgs-induced DIS**

*Friday, December 23, 2022 10:30 AM (20 minutes)*

**Presenter:** RINAUDO, Anna

**Session Classification:** MCM22

Contribution ID: 14

Type: **not specified**

## **Muon-electron scattering at NNLO with McMule**

*Thursday, December 22, 2022 3:30 PM (20 minutes)*

**Presenters:** ROCCO, Marco; ROCCO, Marco

**Session Classification:** MCM22

Contribution ID: 15

Type: **not specified**

## **Renormalization group effects on SMEFT interpretations of LHC data**

*Friday, December 23, 2022 12:00 PM (20 minutes)*

**Presenters:** SEVERI, Claudio (Universita e INFN, Bologna (IT)); SEVERI, Claudio (University of Manchester)

**Session Classification:** MCM22



Contribution ID: 16

Type: **not specified**

## **Initial state QED radiation for future lepton colliders**

*Thursday, December 22, 2022 3:00 PM (20 minutes)*

**Presenters:** STAGNITTO, Giovanni (University of Zurich); STAGNITTO, Giovanni (INFN - National Institute for Nuclear Physics); STAGNITTO, Giovanni

**Session Classification:** MCM22

Contribution ID: 17

Type: **not specified**

# **Precision Standard Model Phenomenology at N3LO and Beyond**

*Wednesday, December 21, 2022 2:30 PM (20 minutes)*

**Presenter:** Dr VITA, Gherardo (SLAC)

**Session Classification:** MCM22

Contribution ID: **18**

Type: **not specified**

## **WZ production at NNLO QCD and NLO EW matched to parton showers**

*Thursday, December 22, 2022 11:30 AM (20 minutes)*

**Presenter:** ZANOLI, Silvia

**Session Classification:** MCM22

Contribution ID: 19

Type: **not specified**

# Implications of Conformal Symmetry for Scattering Amplitudes

*Thursday, December 22, 2022 10:00 AM (20 minutes)*

**Presenter:** ZOIA, Simone (Max Planck Institute for Physics)

**Session Classification:** MCM22

Contribution ID: **20**

Type: **not specified**

**coffee**

**Session Classification:** MCM22

Contribution ID: 21

Type: **not specified**

## **Towards N3LO QCD corrections to Higgs + Jet production**

*Friday, December 23, 2022 12:30 PM (20 minutes)*

**Presenter:** MELLA, Cesare Carlo

**Session Classification:** MCM22

Contribution ID: 22

Type: **not specified**

## Quantum computers: a new frontier in HEP

*Thursday, December 22, 2022 5:40 PM (20 minutes)*

**Presenter:** PEDICILLO, Edoardo

**Session Classification:** MCM22