

Milan Christmas Meeting 2023

Report of Contributions

Contribution ID: 1

Type: **not specified**

Two-loop master integrals for top quark pair plus a jet production

Thursday 21 December 2023 11:30 (30 minutes)

Primary author: BECCHETTI, Matteo

Presenter: BECCHETTI, Matteo

Session Classification: main

Track Classification: loops

Contribution ID: 2

Type: **not specified**

Higgs production via bottom fusion in MiNNLOPS

Friday 22 December 2023 09:30 (30 minutes)

Primary author: BIELLO, Christian

Presenters: BIELLO, Christian; BIELLO, Christian

Session Classification: main

Track Classification: bottom quark

Contribution ID: 3

Type: **not specified**

Heavy Quark Fragmentation to NNLO+NNLL Accuracy in Perturbative QCD in e^+e^- Collisions

Friday 22 December 2023 10:00 (30 minutes)

Primary author: BONINO, Leonardo

Presenter: BONINO, Leonardo

Session Classification: main

Track Classification: EW/BSM/pheno

Contribution ID: 4

Type: **not specified**

On the approaches to threshold resummation of rapidity distributions for the Drell-Yan process

Thursday 21 December 2023 14:30 (30 minutes)

Primary author: BONVINI, Marco

Presenter: BONVINI, Marco

Session Classification: main

Track Classification: resummation

Contribution ID: 5

Type: **not specified**

Higgs+jet at the LHC: from hybrid factorization to NLL/NLO

Friday 22 December 2023 11:30 (30 minutes)

Primary author: Dr CELIBERTO, Francesco Giovanni

Presenter: Dr CELIBERTO, Francesco Giovanni

Session Classification: main

Track Classification: resummation

Contribution ID: 6

Type: **not specified**

p-adic reconstruction of rational functions in multi-loop calculations

Thursday 21 December 2023 12:00 (30 minutes)

Primary author: CHAWDHRY, Herschel

Presenter: CHAWDHRY, Herschel

Session Classification: main

Track Classification: loops

Contribution ID: 7

Type: **not specified**

Towards a framework for GPU event generation

Wednesday 20 December 2023 16:30 (30 minutes)

Primary author: Dr CRUZ MARTINEZ, Juan M.

Presenter: Dr CRUZ MARTINEZ, Juan M.

Session Classification: main

Track Classification: gpu/quantum

Contribution ID: 8

Type: **not specified**

Evaluating Neural Network Uncertainty Estimation with Inconsistent Training Data

Wednesday 20 December 2023 17:30 (30 minutes)

Primary author: DE CRESCENZO, Giovanni

Presenter: DE CRESCENZO, Giovanni

Session Classification: main

Track Classification: gpu/quantum

Contribution ID: 9

Type: **not specified**

Dark Matter annihilation and quasi-bound states

Friday 22 December 2023 12:30 (30 minutes)

Primary author: DE ROS, Lorenzo

Presenter: DE ROS, Lorenzo

Session Classification: main

Track Classification: EW/BSM/pheno

Contribution ID: **10**

Type: **not specified**

Auxiliary mass flow method for master integrals around non-analytic points

Wednesday 20 December 2023 15:30 (30 minutes)

Primary author: FONTANA, Gaia

Presenter: FONTANA, Gaia

Session Classification: main

Track Classification: loops

Contribution ID: 11

Type: **not specified**

A consistent resummation of mass and soft logarithms in processes with heavy flavours

Friday 22 December 2023 10:30 (30 minutes)

Primary author: GHIRA, Andrea

Presenter: GHIRA, Andrea

Session Classification: main

Track Classification: EW/BSM/pheno

Contribution ID: 12

Type: **not specified**

Subleading power corrections for event shape variables in e^+e^- annihilation

Thursday 21 December 2023 15:30 (30 minutes)

Primary author: GUADAGNI, Flavio

Presenter: GUADAGNI, Flavio

Session Classification: main

Track Classification: resummation

Contribution ID: 13

Type: **not specified**

EW logarithms in OpenLoops

Thursday 21 December 2023 10:30 (30 minutes)

Primary author: MAI, Lorenzo

Presenter: MAI, Lorenzo

Session Classification: main

Track Classification: EW/BSM/pheno

Contribution ID: 14

Type: **not specified**

The Colourful Antenna Subtraction method (maybe)

Thursday 21 December 2023 16:30 (30 minutes)

Primary author: MARCOLI, Matteo

Presenter: MARCOLI, Matteo

Session Classification: main

Track Classification: NNLO

Contribution ID: 15

Type: **not specified**

The three loop amplitude for $V+jet$ production

Wednesday 20 December 2023 15:00 (30 minutes)

Primary author: MELLA, Cesare Carlo

Presenter: MELLA, Cesare Carlo

Session Classification: main

Track Classification: loops

Contribution ID: 17

Type: **not specified**

Polarised-boson pairs at the LHC with NLOPS accuracy

Thursday 21 December 2023 10:00 (30 minutes)

Primary author: PELLICCIOLI, Giovanni

Presenter: PELLICCIOLI, Giovanni

Session Classification: main

Track Classification: EW/BSM/pheno

Contribution ID: 18

Type: **not specified**

Full-stack Quantum Machine Learning for High Energy Physics

Wednesday 20 December 2023 17:00 (30 minutes)

Primary author: ROBBIATI, Matteo

Presenter: ROBBIATI, Matteo

Session Classification: main

Track Classification: gpu/quantum

Contribution ID: 19

Type: **not specified**

Lepton-proton scattering at NNLO with McMule

Thursday 21 December 2023 09:30 (30 minutes)

Primary author: ROCCO, Marco

Presenter: ROCCO, Marco

Session Classification: main

Track Classification: EW/BSM/pheno

Contribution ID: 20

Type: **not specified**

Entanglement of top quarks

Friday 22 December 2023 12:00 (30 minutes)

Primary author: SEVERI, claudio

Presenter: SEVERI, claudio

Session Classification: main

Track Classification: EW/BSM/pheno

Contribution ID: 21

Type: **not specified**

Local Analytic Sector Subtraction: NNLO subtraction for any massless final state

Thursday 21 December 2023 17:00 (30 minutes)

Primary author: SIGNORILE-SIGNORILE, Chiara

Presenters: SIGNORILE-SIGNORILE, Chiara; SIGNORILE-SIGNORILE, Chiara; SIGNORILE-SIGNORILE, Chiara

Session Classification: main

Track Classification: NNLO

Contribution ID: 22

Type: **not specified**

A fresh look at the nested soft-collinear subtraction scheme: NNLO QCD corrections to N-gluon final states in quark-anti-quark annihilation

Thursday 21 December 2023 17:30 (30 minutes)

Primary author: TAGLIABUE, Davide Maria

Presenter: TAGLIABUE, Davide Maria

Session Classification: main

Track Classification: NNLO

Contribution ID: 23

Type: **not specified**

On top of the ALPs

Friday 22 December 2023 14:30 (30 minutes)

Primary author: TENTORI, Simone

Presenter: TENTORI, Simone

Session Classification: main

Track Classification: EW/BSM/pheno

Contribution ID: 24

Type: **not specified**

Diboson production at FCC-ee and impact on global fits

Friday 22 December 2023 15:00 (30 minutes)

Primary author: CELADA, Eugenia

Presenter: CELADA, Eugenia

Session Classification: main

Track Classification: EW/BSM/pheno

Contribution ID: 25

Type: **not specified**

Learning Feynman integrals from differential equations with neural networks

Wednesday 20 December 2023 14:30 (30 minutes)

Primary author: ZOIA, Simone

Presenter: ZOIA, Simone

Session Classification: main

Track Classification: loops

Contribution ID: 26

Type: **not specified**

Towards efficient N3LO predictions: Power Corrections for 0-jettiness Subtractions at N3LO

Thursday 21 December 2023 15:00 (30 minutes)

Primary author: VITA, Gherardo

Presenter: VITA, Gherardo

Session Classification: main

Track Classification: resummation

Contribution ID: 27

Type: **not specified**

Higher order QCD corrections to the gluon-induced associated production of a Higgs and a Z boson at the LHC

Friday 22 December 2023 15:30 (30 minutes)

Primary authors: MEONI, Simone; MEONI, Simone

Presenters: MEONI, Simone; MEONI, Simone

Session Classification: main