

# **Milan Christmas Meeting 2024**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## **3 loops & 4 cuts: towards N3LO RRR antenna functions**

*Friday 20 December 2024 14:30 (30 minutes)*

**Presenters:** FONTANA, Gaia (University of Zürich); FONTANA, Gaia

Contribution ID: 2

Type: **not specified**

## Two-loop integrals for $t\bar{t}$ +jet production in the leading colour approximation

*Thursday 19 December 2024 15:40 (30 minutes)*

**Presenters:** BECCHETTI, Matteo (University of Torino); BECCHETTI, Matteo; BECCHETTI, Matteo (University of Bologna)

Contribution ID: 3

Type: **not specified**

## **A first computation of three-loop master integrals for the production of two off-shell vector bosons with different masses**

*Thursday 19 December 2024 11:40 (30 minutes)*

**Presenter:** POZZOLI, mattia

Contribution ID: 4

Type: **not specified**

## **CP-sensitive simplified template cross-sections for $t\bar{t}H$**

*Friday 20 December 2024 11:40 (30 minutes)*

**Presenters:** CARNELLI, Alberto; CARNELLI, Alberto (Centre National de la Recherche Scientifique (FR))

Contribution ID: 5

Type: **not specified**

## **From spin correlations to quantum observables in di-boson systems**

*Thursday 19 December 2024 17:20 (30 minutes)*

**Presenters:** PELLICCIOLI, Giovanni (Università degli Studi di Milano-Bicocca); PELLICCIOLI, Giovanni (Würzburg University)

Contribution ID: 6

Type: **not specified**

## **Inclusive determination of $|V_{cb}|$ from semileptonic B decays**

*Friday 20 December 2024 15:40 (30 minutes)*

**Presenters:** FINAURI, Gael; FINAURI, Gael

Contribution ID: 7

Type: **not specified**

## **New frontiers of the NSC**

*Thursday 19 December 2024 12:15 (30 minutes)*

**Presenter:** TAGLIABUE, DAVIDE MARIA



Contribution ID: 8

Type: **not specified**

# **Perturbative Unitarity Violation in Non-Relativistic Dark Matter Processes**

*Friday 20 December 2024 12:15 (30 minutes)*

**Presenters:** DE ROS, Lorenzo; DE ROS, Lorenzo

Contribution ID: 9

Type: **not specified**

## **Study of non-perturbative power corrections to event shapes using PanScales showers**

*Thursday 19 December 2024 14:30 (30 minutes)*

**Presenter:** ZANOLI, Silvia (University of Oxford)

Contribution ID: 10

Type: **not specified**

## **Subleading power corrections to the NNLO color-singlet transverse momentum spectra**

*Thursday 19 December 2024 10:00 (30 minutes)*

**Presenter:** GAVARDI, Alessandro

Contribution ID: 11

Type: **not specified**

## Top Yukawa determination via virtual effects

*Friday 20 December 2024 10:00 (30 minutes)*

**Presenter:** TENTORI, Simone (UCLouvain)

Contribution ID: 12

Type: **not specified**

## **Towards two-loop QCD corrections to $pp \rightarrow ttj$**

*Thursday 19 December 2024 15:05 (30 minutes)*

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

Contribution ID: 13

Type: **not specified**

## **Triboson production in the SMEFT**

*Thursday 19 December 2024 16:45 (30 minutes)*

**Presenter:** CELADA, Eugenia

Contribution ID: 14

Type: **not specified**

## **Two-loop mixed QCD-EW corrections to charged-current Drell-Yan**

*Friday 20 December 2024 15:05 (30 minutes)*

**Presenter:** ARMADILLO, Tommaso

Contribution ID: 15

Type: **not specified**

## Unintegrated gluon distributions from HELL and applications with JETHAD

*Thursday 19 December 2024 10:35 (30 minutes)*

**Presenters:** CELIBERTO, Francesco Giovanni (Università della Calabria and INFN Cosenza (Italy)); Dr CELIBERTO, Francesco Giovanni (UAH Madrid)



Contribution ID: 16

Type: **not specified**

# Universality of five-point QCD amplitudes at high energy

*Friday 20 December 2024 10:35 (30 minutes)*

**Presenter:** DEVOTO, Federica