

# JingleHEP Workshop 2025



## Report of Contributions

Contribution ID: 2

Type: **not specified**

## When White Dwarfs Get $\phi$ -stive: Probing Quadratically Coupled Scalars

*Friday, 12 December 2025 14:25 (25 minutes)*

(20+5min)

**Presenter:** BARTNICK, Kai (TUM - T75)

**Session Classification:** Talks

Contribution ID: 3

Type: **not specified**

# Numerical evaluation of Feynman integrals using LINE

*Friday, 12 December 2025 14:00 (25 minutes)*

(20+5min)

**Presenter:** PRISCO, Renato (MPP)

**Session Classification:** Talks

Contribution ID: 5

Type: **not specified**

## Special Lecture: Top anti-top production and spin correlations at the LHC

*Friday, 12 December 2025 15:30 (1 hour)*

(45+15min)

Abstract:

In recent CMS and ATLAS publications it has been argued that current measurements of  $t\bar{t}$  cross section and spin correlations near the production threshold require the addition of a large cross section component due to toponium production.

In this talk I will show that both the cross section and spin correlations can be computed in perturbation theory without the need for the addition of a toponium contribution, and I will discuss the current status of the comparison of the experimental findings with theoretical expectations.

**Presenter:** Prof. NASON, Paolo (INFN, Sezione di Milano-Bicocca, and Universita di Milano-Bicocca)

**Session Classification:** Talks

Contribution ID: 6

Type: **not specified**

## The Lund b-jet Plane

*Friday, 12 December 2025 16:45 (25 minutes)*

(20+5min)

**Presenter:** GHIRA, Andrea

**Session Classification:** Talks

Contribution ID: 7

Type: **not specified**

## **Poster Session with drinks and buffet**

*Friday, 12 December 2025 19:00 (2 hours)*

Contribution ID: 9

Type: **not specified**

## Vision talk

*Friday, 12 December 2025 21:00 (30 minutes)*

**Presenter:** Prof. ZANDERIGHI, Giulia

Contribution ID: 11

Type: **not specified**

## **Dark QCD Dark Matter Models with a single quark flavor**

*Friday, 12 December 2025 17:10 (25 minutes)*

(20+5min)

**Presenter:** NAPETSCHNIG, Martin

**Session Classification:** Talks

Contribution ID: 12

Type: **not specified**

## Moderated discussion session

*Friday, 12 December 2025 18:00 (1 hour)*

**Author:** DITSCH, Sara (MPP)

**Co-author:** KÖNIG, Florian (Max Planck Institute for Physics)

**Presenters:** KÖNIG, Florian (Max Planck Institute for Physics); DITSCH, Sara (MPP)

Contribution ID: 13

Type: **not specified**

## Registration

*Friday, 12 December 2025 13:30 (30 minutes)*

**Author:** KÖNIG, Florian (Max Planck Institute for Physics)

**Co-author:** DITSCH, Sara (MPP)

**Presenters:** KÖNIG, Florian (Max Planck Institute for Physics); DITSCH, Sara (MPP)

**Session Classification:** Registration

Contribution ID: 14

Type: **not specified**

## **Scattering rate of sub-GeV dark matter in materials: a theoretical upper bound**

*Friday, 12 December 2025 14:50 (25 minutes)*

(20+5min)

**Presenter:** IGLICKI, Michal (TUM - T31)

**Session Classification:** Talks

Contribution ID: 15

Type: **not specified**

## Plot Quiz

*Friday, 12 December 2025 17:50 (10 minutes)*

Can you guess famous plots without their labels?

**Presenter:** BEHRING, Arnd

**Session Classification:** Talks