

Beyond Flavour physics



Report of Contributions

Contribution ID: 1

Type: **not specified**

Shadow tomography for high energy collider experiments

Monday 23 June 2025 09:45 (45 minutes)

Author: Dr NGUYEN, Chau (Siegen (Germany))

Presenter: Dr NGUYEN, Chau (Siegen (Germany))

Session Classification: Quantum Information I

Contribution ID: 2

Type: **not specified**

Quantum tomography in flavor oscillations

Monday 23 June 2025 09:00 (45 minutes)

Author: Prof. HAN, Tao (University of Pittsburgh)

Presenter: Prof. HAN, Tao (University of Pittsburgh)

Session Classification: Quantum Information I

Contribution ID: 3

Type: **not specified**

Three issues in top-quark physics

Monday 23 June 2025 11:00 (45 minutes)

Author: Prof. CZAKON, Michal

Presenter: Prof. CZAKON, Michal

Session Classification: Top and Higgs Physics

Contribution ID: 4

Type: **not specified**

Problems and challenges in modelling $t\bar{t}+X$ @ LHC

Monday 23 June 2025 11:45 (45 minutes)

Author: Prof. MALGORZATA, Worek

Presenter: Prof. MALGORZATA, Worek

Session Classification: Top and Higgs Physics

Contribution ID: 5

Type: **not specified**

Anatomy of Yukawa Matrices and SMEFT couplings with AutoEFT

Monday 23 June 2025 14:00 (45 minutes)

Presenter: Prof. FELDMANN, Thorsten

Session Classification: Flavour Physics I

Contribution ID: 6

Type: **not specified**

Too good to be true: Flavour + Neutrino +DM + Leptogenesis

Monday 23 June 2025 14:45 (45 minutes)

Presenter: Dr TONG, Tom

Session Classification: Flavour Physics I

Contribution ID: 7

Type: **not specified**

Recent progress on flavoured dark matter models

Monday 23 June 2025 16:00 (45 minutes)

Author: Dr BLANKE, Monika

Presenter: Dr BLANKE, Monika

Session Classification: Flavour Physics II

Contribution ID: 8

Type: **not specified**

Top Threshold

Tuesday 24 June 2025 09:00 (45 minutes)

Author: REUTER, Jurgен

Presenter: REUTER, Jurgен

Session Classification: Quantum Information and Top Physics II

Contribution ID: 9

Type: **not specified**

Entanglement and other quantum observables at the LHC

Tuesday 24 June 2025 09:45 (45 minutes)

Author: Dr DIEZ-PARDOS, Carmen

Presenter: Dr DIEZ-PARDOS, Carmen

Session Classification: Quantum Information and Top Physics II

Contribution ID: **10**

Type: **not specified**

NLO (+PS) prediction with a multi-purpose event generator

Tuesday 24 June 2025 11:00 (45 minutes)

Presenter: Dr BREDT, Pia

Session Classification: Top and Higgs Physics II

Contribution ID: **11**

Type: **not specified**

Overview of Higgs boson experimental results, hot topics and open questions

Tuesday 24 June 2025 11:45 (45 minutes)

Presenter: Dr SCHOPF, Elisabeth

Session Classification: Top and Higgs Physics II

Contribution ID: 12

Type: **not specified**

Modelling $b\bar{b}\ell^+\ell^-\nu_\ell\bar{\nu}_\ell$ with $bb4\ell$ in ATLAS

Tuesday 24 June 2025 13:30 (45 minutes)

Author: VOSS, Katharina

Presenter: VOSS, Katharina

Session Classification: Top and Higgs Physics III

Contribution ID: **13**

Type: **not specified**

Reweight prescription for top-pair events (main)

Tuesday 24 June 2025 14:15 (45 minutes)

Author: Dr BISWAS, Diptaparna

Presenter: Dr BISWAS, Diptaparna

Session Classification: Top and Higgs Physics III