

# **Jahrestreffen der deutschen LHCb-Gruppen (Theorie und Experiment)**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Welcome

*Monday 23 September 2024 13:00 (20 minutes)*

**Presenters:** Prof. MIKHASENKO, Mikhail (Ruhr Univeristy Bochum); HANSMANN-MENZEMER, Stephanie (Heidelberg University (DE))

Contribution ID: 2

Type: **not specified**

## Introduction to the LHCb groups

*Monday 23 September 2024 13:20 (30 minutes)*

**Presenters:** BANSAL, Anshika; LANGENBRUCH, Christoph Michael (Heidelberg University (DE)); JAGE, Hendrik (Rheinisch Westfaelische Tech. Hoch. (DE)); Prof. GERSABECK, Marco (Albert Ludwigs Universitaet Freiburg (DE)); Prof. MIKHASENKO, Mikhail (Ruhr Univeristy Bochum); FÜHRING, Quentin (Technische Universitaet Dortmund (DE), University of Cambridge (UK)); NEUBERT, Sebastian (University of Bonn (DE))

Contribution ID: 3

Type: **not specified**

## **Invited talk: ErUM- Exploration of Universe and Matter**

*Monday 23 September 2024 13:50 (30 minutes)*

**Presenter:** MEINHARD, Maren Tabea (DESY Projektträger)

Contribution ID: 4

Type: **not specified**

## Hyperons at LHCb

*Monday 23 September 2024 14:20 (30 minutes)*

**Presenter:** STAHL, Marian

Contribution ID: 5

Type: **not specified**

## Revisiting $D^+ \rightarrow \pi^+ \ell^+ \ell^-$ in SM using Light Cone Sum Rules

*Tuesday 24 September 2024 10:00 (25 minutes)*

**Presenter:** BANSAL, Anshika

Contribution ID: 6

Type: **not specified**

## Mighty Tracker

*Monday 23 September 2024 15:20 (30 minutes)*

**Presenter:** LEVERINGTON, Blake (Heidelberg University (DE))

Contribution ID: 7

Type: **not specified**

## **YSY: search for exotics in $\Lambda_b^0$ and $B^+$ decays**

*Monday 23 September 2024 15:50 (15 minutes)*

**Presenter:** HABERMANN, Kai Sebastian (University of Bonn (DE))



Contribution ID: 8

Type: **not specified**

## YST: Flavor-changing neutral current $q \rightarrow q' \nu \bar{\nu}$

*Monday 23 September 2024 16:35 (15 minutes)*

**Presenter:** SIEJA, Kai (Dortmund)

Contribution ID: 9

Type: **not specified**

## **YST: LHCb/Belle II joint meausrement of $b \rightarrow c l \nu$ Wilson Coefficients**

*Monday 23 September 2024 16:20 (15 minutes)*

**Presenter:** COLONNA, Marco (Technische Universitaet Dortmund (DE))

Contribution ID: **10**

Type: **not specified**

## Netzwerk Teilchenwelt

*Monday 23 September 2024 17:10 (20 minutes)*

**Presenter:** BILOW, Uta (Technische Universitaet Dresden (DE))

Contribution ID: **11**

Type: **not specified**

## **ErUM-FSP office**

*Monday 23 September 2024 16:50 (20 minutes)*

**Presenter:** HAVES, Sophia (Rheinisch Westfaelische Tech. Hoch. (DE))

Contribution ID: 12

Type: **not specified**

## PI Meeting

*Monday 23 September 2024 16:50 (2h 30m)*

Contribution ID: 13

Type: **not specified**

## Status of Data Taking

*Tuesday 24 September 2024 08:30 (30 minutes)*

**Presenter:** REISS, Florian (The University of Manchester (GB))

Contribution ID: 14

Type: **not specified**

## Trigger in Run 3

*Tuesday 24 September 2024 09:00 (30 minutes)*

**Presenter:** SCARABOTTO, Alessandro (Technische Universitaet Dortmund (DE))

Contribution ID: 15

Type: **not specified**

## Charm Physics at LHCb

*Tuesday 24 September 2024 11:40 (30 minutes)*

**Presenter:** Prof. GERSABECK, Marco (Albert Ludwigs Universitaet Freiburg (DE))



Contribution ID: 16

Type: **not specified**

## YST: Charm production asymmetries

*Tuesday 24 September 2024 09:30 (15 minutes)*

**Presenter:** BALZANI, Luca (Technische Universitaet Dortmund (DE))

Contribution ID: 17

Type: **not specified**

## YST: Status of Alignment

*Tuesday 24 September 2024 09:45 (15 minutes)*

**Presenter:** RUIZ DIAZ, Miguel (Heidelberg University (DE))

Contribution ID: **18**

Type: **not specified**

## **YST: Hardware projects in Bonn**

*Tuesday 24 September 2024 10:55 (15 minutes)*

**Presenter:** SCHMITZ, Hannah (University of Bonn (DE))

Contribution ID: 19

Type: **not specified**

## YST: SciFi threshold calibration

*Tuesday 24 September 2024 11:10 (15 minutes)*

**Presenter:** PARMAR, Dhruvanshu Mahesh (Ruhr-Universitaet Bochum (DE))

Contribution ID: 20

Type: **not specified**

## Hyperons at LHCb

**Presenter:** STAHL, Marian

Contribution ID: 21

Type: **not specified**

## YST: Tcc with different quark masses

*Tuesday 24 September 2024 12:10 (15 minutes)*

**Presenter:** Mr ABOLNIKOV, Michael

Contribution ID: 22

Type: **not specified**

## **YST: Bs-> mu mu - Run 3 studies and preparations**

*Tuesday 24 September 2024 13:35 (15 minutes)*

**Presenter:** WAGNER, Jan Peter (Technische Universitaet Dortmund (DE))

Contribution ID: 23

Type: **not specified**

## YST: Status of MightPix

*Tuesday 24 September 2024 13:50 (15 minutes)*

**Presenter:** DITTMANN, Lucas Marvin (Heidelberg University (DE))



Contribution ID: 24

Type: **not specified**

## YST: Multibaryonic Lambda\_b Decays

*Monday 23 September 2024 16:05 (15 minutes)*

**Presenter:** ZHU, Yibo (Rheinisch Westfaelische Tech. Hoch. (DE))

Contribution ID: 25

Type: **not specified**

## **YST: R&D for the SciFi-Detector for Upgrade II**

*Tuesday 24 September 2024 11:25 (15 minutes)*

**Presenter:** OESER, Thomas (Rheinisch Westfaelische Tech. Hoch. (DE))

Contribution ID: 26

Type: **not specified**

## Flavour Tagging

*Tuesday 24 September 2024 14:05 (25 minutes)*

**Presenter:** FÜHRING, Quentin (Technische Universitaet Dortmund (DE), University of Cambridge (UK))

Contribution ID: 27

Type: **not specified**

## YST: Theorie

*Tuesday 24 September 2024 14:30 (15 minutes)*

**Presenter:** FOLCH, Jordi

Contribution ID: 28

Type: **not specified**

## **YST: Effective field theory analysis of rare charm decays**

*Tuesday 24 September 2024 13:20 (15 minutes)*

**Presenter:** Mr SUELMANN, Dominik (TU Dortmund)

Contribution ID: 29

Type: **not specified**

## YST: RIVET plugins for LHCb

**Presenter:** SEGAL, Ilya (Ruhr-Universitaet Bochum (DE))

Contribution ID: **30**

Type: **not specified**

## Final words

*Tuesday 24 September 2024 14:45 (5 minutes)*

**Presenter:** HANSMANN-MENZEMER, Stephanie (Heidelberg University (DE))