

Session Program

26–29 May 2026

**MITP
TOPICAL
WORKSHOP**

**Flavor Physics with b
Baryons and Bc Mesons:
Opportunities for Discoveries**

May 26 – 29, 2026
<https://indico.mitp.uni-mainz.de/event/460/>

Background image: CERN

MITP
Mainz Institute for
Theoretical Physics

Flavor Physics with b-Baryons and B_c Mesons: Opportunities for Discoveries

Experiments

Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430
Staudingerweg 9 / 2nd floor, 55128 Mainz

Tuesday 26 May

10:35

11:15

Experiments

Session |

Location: Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430, Staudingerweg 9 / 2nd floor, 55128 Mainz

Convener: Anna Lupato

10:35-11:15

Status and Prospects of CKM Matrix Elements Measured with Baryons and the Bc Mesons

Speaker

Marcello Rotondo

Wednesday 27 May

09:30

Experiments

Session |

Location: Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430, Staudingerweg 9 / 2nd floor, 55128 Mainz

09:30–10:10 **CMS measurements with rare and semileptonic decays of b baryons and Bc meson**

Speaker

Riccardo Manzonei

10:10–10:50 **LHCb results regarding Bc physics**

Speaker

Guy Wormser

10:50

13:30

Experiments

Session |

Location: Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430, Staudingerweg 9 / 2nd floor, 55128 Mainz

13:30–14:10 **b-hadron fragmentation fractions**

Speaker

Marina Artuso

14:10–14:50 **Excited Charmed baryon studies at BESIII**

Speaker

Giulio Mezzadri

14:50

15:05

Experiments

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Location: Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430, Staudingerweg 9 / 2nd floor, 55128 Mainz

15:05–15:45 **Opportunities with Lc* decays at LHCb**

Speaker

Anna Lupato

15:45

Thursday 28 May

13:30

Experiments

Session |

Location: Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430, Staudingerweg 9 / 2nd floor, 55128 Mainz

13:30–14:10 Electroweak penguin b-baryon decay prospects at LHCb

Speaker

Janina Nicolini

14:50

14:10–14:50 Xib/Omegab and prospects

Speaker

Lucas Calefice

15:10

Experiments

Session |

Location: Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430, Staudingerweg 9 / 2nd floor, 55128 Mainz

15:10–15:50 Lb->pKll angular analyses

Speaker

Biplab Dey

16:00

Friday 29 May

09:30

Experiments

Session |

Location: Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430, Staudingerweg 9 / 2nd floor, 55128 Mainz

09:30–10:10 LHCb b \rightarrow s tau tau 3 prong

Speaker

Lesya Shchutska

10:10–10:50 Charm spectroscopy at Belle II

Speaker

Bianca Scavino

10:50

11:10

Experiments

Session |

Location: Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430, Staudingerweg 9 / 2nd floor, 55128 Mainz

11:10–11:50 Prospects and results using Hammer in LHCb

Speaker

Biljana Mitreska

11:50