

2025 Belle II Physics Week

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction to $c \rightarrow u\nu\bar{\nu}$ decays

Monday 6 October 2025 14:00 (30 minutes)

Presenter: GISBERT, Hector (Universidad Europea de Valencia)

Session Classification: Conference

Contribution ID: 2

Type: **not specified**

Introduction to $b \rightarrow d\nu\bar{\nu}$ decays

Monday 6 October 2025 14:40 (30 minutes)

Presenter: GISBERT, Hector (Universidad Europea de Valencia)

Session Classification: Conference

Contribution ID: 3

Type: **not specified**

HFLAV news

Monday 6 October 2025 15:20 (30 minutes)

Presenter: DORIGO, Mirco (INFN Trieste)

Session Classification: Conference

Contribution ID: 4

Type: **not specified**

LQCD results for rare B-decays with missing energy

Monday 6 October 2025 16:30 (30 minutes)

Presenter: BOUCHARD, Chris (University of Glasgow)

Session Classification: Conference

Contribution ID: 5

Type: **not specified**

Unitarity Bounds for Hadronic Form Factors

Monday 6 October 2025 17:10 (30 minutes)

Presenter: VAN DYK, Danny (Durham University)

Session Classification: Conference

Contribution ID: 6

Type: **not specified**

SuperKEKB performance

Tuesday 7 October 2025 14:00 (30 minutes)

Session Classification: Conference

Contribution ID: 7

Type: **not specified**

Missing Energy decays @ Belle II + Public Likelihood

Tuesday 7 October 2025 14:40 (30 minutes)

Presenters: DE MARINO, Gaetano (Jožef Stefan Institute); GAERTNER, Lorenz Ennio (BELLE (BELLE II Experiment))

Session Classification: Conference

Contribution ID: 8

Type: **not specified**

Missing Energy B-Decays @ LHCb

Tuesday 7 October 2025 15:20 (30 minutes)

Presenter: MATHAD, Abhijit (CERN)

Session Classification: Conference

Contribution ID: 9

Type: **not specified**

Missing Energy Decays @ BESIII

Tuesday 7 October 2025 16:30 (30 minutes)

Presenter: WANG, Dayong (Peking University)

Session Classification: Conference

Contribution ID: **10**

Type: **not specified**

Missing Energy Decays @ KOTO & NA62

Tuesday 7 October 2025 17:10 (30 minutes)

Presenter: NANJO, Hajime (Osaka University)

Session Classification: Conference

Contribution ID: **11**

Type: **not specified**

$B \rightarrow K^{(*)}\nu\bar{\nu}$ in SM and observables beyond rate

Wednesday 8 October 2025 14:00 (30 minutes)

Presenter: SUMENSARI, Olcyr (IJC Lab)

Session Classification: Conference

Contribution ID: **12**

Type: **not specified**

$B \rightarrow X_s \nu \bar{\nu}$ in SM

Wednesday 8 October 2025 14:40 (30 minutes)

Presenter: JENKINS, Jack (University of Siegen)

Session Classification: Conference

Contribution ID: 13

Type: **not specified**

Probing CP Violation in $b \rightarrow s\nu\bar{\nu}$ decays

Wednesday 8 October 2025 15:20 (30 minutes)

Presenter: NOVOA-BRUNET, Martin (Valencia)

Session Classification: Conference

Contribution ID: 14

Type: **not specified**

BSM for $B \rightarrow K\nu\bar{\nu}$ & related anomalies

Wednesday 8 October 2025 16:30 (30 minutes)

Presenter: SCHMIDT, Michael (New South Wales University)

Session Classification: Conference

Contribution ID: 15

Type: **not specified**

Impact of new particles on missing energy B decays

Wednesday 8 October 2025 17:10 (30 minutes)

Presenter: BOLTON, Patrick (Jozef Stefan Institute)

Session Classification: Conference

Contribution ID: 16

Type: **not specified**

Interplays with $B \rightarrow K\tau\tau$, $B \rightarrow \tau\tau$, and $K \rightarrow \pi\nu\bar{\nu}$

Thursday 9 October 2025 14:00 (30 minutes)

Presenter: CORNELLA, Claudia (CERN)

Session Classification: Conference

Contribution ID: 17

Type: **not specified**

Panel Discussion: opportunities with $c \rightarrow u + b \rightarrow d +$ missing energy for Belle II

Thursday 9 October 2025 14:40 (30 minutes)

Session Classification: Conference

Contribution ID: **18**

Type: **not specified**

Panel Discussion: opportunities for $b \rightarrow s$ missing energy for Belle II

Thursday 9 October 2025 15:20 (30 minutes)

Session Classification: Conference

Contribution ID: **19**

Type: **not specified**

Panel Discussion: Missing energy decays @ other experiments

Thursday 9 October 2025 16:30 (30 minutes)

Session Classification: Conference

Contribution ID: 20

Type: **not specified**

Panel Discussion: Global perspectives for missing energy decays and outlook on form factors

Thursday 9 October 2025 17:10 (30 minutes)

Session Classification: Conference

Contribution ID: **21**

Type: **not specified**

EWP B decays with missing energy in the SM

Monday 6 October 2025 09:10 (1 hour)

Presenter: ALTMANNSHOFER, Wolfgang (University of California, Santa Cruz)

Session Classification: School

Contribution ID: 22

Type: **not specified**

New Physics in EWP B decays with missing E

Monday 6 October 2025 10:10 (1 hour)

Presenter: MARZOCCA, David (INFN Trieste)

Session Classification: School

Contribution ID: 23

Type: **not specified**

Charm decays with missing energy (NP and SM)

Monday 6 October 2025 11:30 (1 hour)

Presenter: GISBERT, Hector (Universidad Europea de Valencia)

Session Classification: School

Contribution ID: 24

Type: **not specified**

Full Event Interpretation (FEI)

Tuesday 7 October 2025 09:00 (1 hour)

Presenter: TRABELSI, Karim (TYL - KEK)

Session Classification: School

Contribution ID: 25

Type: **not specified**

Fully-inclusive B reconstruction

Tuesday 7 October 2025 10:00 (1 hour)

Presenter: GLAZOV, Alexander (BELLE (BELLE II Experiment))

Session Classification: School

Contribution ID: 26

Type: **not specified**

Charm tagging

Tuesday 7 October 2025 11:30 (1 hour)

Presenter: SANTELJ, Luka (Jozef Stefan Institute)

Session Classification: School

Contribution ID: 27

Type: **not specified**

Global combinations

Wednesday 8 October 2025 09:00 (1 hour)

Presenter: BONA, Marcella (BELLE (BELLE II Experiment))

Session Classification: School

Contribution ID: 28

Type: **not specified**

Non-EWP decays with missing energy

Wednesday 8 October 2025 10:00 (1 hour)

Presenter: LEWIS, Peter (BELLE (BELLE II Experiment))

Session Classification: School

Contribution ID: 29

Type: **not specified**

Fitting and limit setting (incl. combinations of measurements & likelihoods)

Friday 10 October 2025 09:00 (1 hour)

Presenter: TONELLI, Diego (BELLE (BELLE II Experiment))

Session Classification: School

Contribution ID: **30**

Type: **not specified**

State of the art ML tools and methods

Friday 10 October 2025 10:00 (1 hour)

Presenter: INGUGLIA, Gianluca (BELLE (BELLE II Experiment))

Session Classification: School

Contribution ID: **31**

Type: **not specified**

Hands-on report

Friday 10 October 2025 11:30 (1 hour)

Presenter: TBD

Session Classification: School

Contribution ID: 32

Type: **not specified**

Tracking (detectors and performance)

Thursday 9 October 2025 09:00 (1 hour)

Presenter: SCAVINO, Bianca (BELLE (BELLE II Experiment))

Session Classification: School

Contribution ID: 33

Type: **not specified**

ECL, photons and extra energy

Thursday 9 October 2025 10:00 (1 hour)

Presenter: GANIEV, Eldar (Institute Jozef Stefan)

Session Classification: School

Contribution ID: **34**

Type: **not specified**

Particle ID (detectors and performance)

Thursday 9 October 2025 11:30 (1 hour)

Presenter: GAZ, Alessandro (University of Padova & INFN)

Session Classification: School

Contribution ID: 35

Type: **not specified**

Status and future potential of Belle II analyses (incl. systematic uncertainties)

Wednesday 8 October 2025 11:30 (1 hour)

Presenter: MANONI, Elisa (BELLE (BELLE II Experiment))

Session Classification: School

Contribution ID: **36**

Type: **not specified**

Welcome

Monday 6 October 2025 09:00 (10 minutes)