

Belle II Summer Workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome and Getting to Know Each Other

Monday, 24 July 2023 09:15 (30 minutes)

Presenter: VOSSSEN, Anselm Georg (BELLE (BELLE II Experiment))

Contribution ID: 2

Type: **not specified**

Physics Overview

Monday, 24 July 2023 09:45 (30 minutes)

Presenter: BENNETT, Jake (BELLE (BELLE II Experiment))

Contribution ID: 3

Type: **not specified**

Charged PID

Wednesday, 26 July 2023 08:25 (30 minutes)

Presenter: BESSNER, Martin (Belle II)

Contribution ID: 4

Type: **not specified**

Data Production

Monday, 24 July 2023 11:20 (30 minutes)

Presenter: Mr SHILLINGTON, Trevor (BELLE (BELLE II Experiment))

Contribution ID: 5

Type: **not specified**

B Physics I

Monday, 24 July 2023 11:50 (30 minutes)

Presenter: Prof. BROWDER, Thomas (University of Hawaii (Belle II))

Contribution ID: 6

Type: **not specified**

Reconstruction of Neutrals

Monday, 24 July 2023 14:05 (30 minutes)

Presenter: VAN TONDER, Raynette (BELLE (BELLE II Experiment))

Contribution ID: 7

Type: **not specified**

CP Violation Physics

Monday, 24 July 2023 13:30 (30 minutes)

Presenter: PRELL, Soeren (Iowa State University)

Contribution ID: 8

Type: **not specified**

Tracking and Vertexing

Monday, 24 July 2023 14:35 (30 minutes)

Presenter: LUECK, Thomas (LMU, Belle II)

Contribution ID: 9

Type: **not specified**

Hands on Session basf2

Monday, 24 July 2023 15:35 (1h 30m)

Includes introductory session and self guide session with tutors

Presenters: ZHANG, Boyang (University of Hawaii [Belle II]); PARHAM, Katherine (BELLE (BELLE II Experiment))

Contribution ID: **10**

Type: **not specified**

Monte Carlo Productions in Belle II

run dependent/independent MC

Presenter: BENNETT, Jake (BELLE (BELLE II Experiment))

Contribution ID: **11**

Type: **not specified**

Skims

Tuesday, 25 July 2023 09:30 (30 minutes)

Presenter: Mr SHILLINGTON, Trevor (BELLE (BELLE II Experiment))

Contribution ID: 12

Type: **not specified**

gbasf2 hands on session

Tuesday, 25 July 2023 10:30 (2 hours)

Presenter: BENNETT, Jake (BELLE (BELLE II Experiment))

Contribution ID: 13

Type: **not specified**

Charm Physics

Tuesday, 25 July 2023 13:30 (30 minutes)

Presenter: BERTEMES, Michel (BELLE (BELLE II Experiment))

Contribution ID: **14**

Type: **not specified**

B Physics II

Friday, 28 July 2023 11:45 (30 minutes)

Presenter: SCHWARTZ, Alan (University of Cincinnati)

Contribution ID: 15

Type: **not specified**

ML at Belle II - hands on

Tuesday, 25 July 2023 15:00 (1h 30m)

Presenters: ZHANG, Boyang (University of Hawaii [Belle II]); DUBEY, Shawn (BELLE (BELLE II Experiment))

Contribution ID: 16

Type: **not specified**

Hackathon introduction

Tuesday, 25 July 2023 16:30 (30 minutes)

Presenters: ZHANG, Boyang (University of Hawaii [Belle II]); DUBEY, Shawn (BELLE (BELLE II Experiment))

Contribution ID: 17

Type: **not specified**

ML at Belle II - Lecture I

Wednesday, 26 July 2023 09:15 (45 minutes)

Presenter: HAIDE, Isabel (Karlsruhe Institute of Technology)

Contribution ID: **18**

Type: **not specified**

DEI Session

Wednesday, 26 July 2023 14:45 (1 hour)

Presenter: KINOSHITA, Kay (BELLE (BELLE II Experiment))

Contribution ID: **19**

Type: **not specified**

Student Analysis and Flash Talks

Contribution ID: **20**

Type: **not specified**

Excursion

Duke Lemur Center

Contribution ID: 21

Type: **not specified**

Hands on pyhf I

Thursday, 27 July 2023 09:15 (45 minutes)

Presenters: GAERTNER, Lorenz Ennio (BELLE (BELLE II Experiment)); STEFKOVA, Slavomira (KIT)

Contribution ID: 22

Type: **not specified**

Systematics with pyhf

Thursday, 27 July 2023 08:30 (45 minutes)

Presenter: STEFKOVA, Slavomira (KIT)

Contribution ID: 23

Type: **not specified**

(gra)FEI

Wednesday, 26 July 2023 14:15 (30 minutes)

Presenter: CERASOLI, Jacopo (IPHC - CNRS)

Contribution ID: 24

Type: **not specified**

Trigger

Tuesday, 25 July 2023 09:00 (30 minutes)

Presenter: KOGA, Taichiro (BELLE (BELLE II Experiment))

Contribution ID: 25

Type: **not specified**

Belle II perspectives

Thursday, 27 July 2023 14:00 (30 minutes)

Presenter: TRABELSI, Karim (IJCLab (Orsay))

Contribution ID: 26

Type: **not specified**

Anomalies

Tuesday, 25 July 2023 14:00 (30 minutes)

Presenter: COCHRAN, James Herbert (Iowa State University (US))

Contribution ID: 27

Type: **not specified**

Professional Development

Contribution ID: 28

Type: **not specified**

Hands-on systematics framework

Friday, 28 July 2023 08:45 (1h 30m)

Systematics framework, bootstrapping, sweights

Presenter: MEIER, Frank (Duke University)

Contribution ID: 29

Type: **not specified**

Dark Searches

Friday, 28 July 2023 11:15 (30 minutes)

Presenter: JACOBS, William (CEEM / Indiana University)

Contribution ID: **30**

Type: **not specified**

beam background

Tuesday, 25 July 2023 08:30 (30 minutes)

Presenter: Dr NATOCHII, Andrii (University of Hawaii)

Contribution ID: **31**

Type: **not specified**

Madgraph

Friday, 28 July 2023 10:15 (30 minutes)

Presenter: BANERJEE, Swagato (University of Louisville (U.S.))

Contribution ID: **32**

Type: **not specified**

Tau

Friday, 28 July 2023 13:15 (30 minutes)

Presenter: BANERJEE, Swagato (University of Louisville (U.S.))

Contribution ID: 33

Type: **not specified**

Conclusion of hackathon

Friday, 28 July 2023 15:30 (20 minutes)

Presenters: ZHANG, Boyang (University of Hawaii [Belle II]); DUBEY, Shawn (BELLE (BELLE II Experiment))

Contribution ID: **34**

Type: **not specified**

Discussion Q&A and Closeout

Friday, 28 July 2023 15:50 (20 minutes)

Contribution ID: 35

Type: **not specified**

Hands on pyhf II

Thursday, 27 July 2023 10:00 (1 hour)

Presenter: GAERTNER, Lorenz Ennio (BELLE (BELLE II Experiment))

Contribution ID: **36**

Type: **not specified**

ML at Belle II - Lecture II

Wednesday, 26 July 2023 10:00 (45 minutes)

Presenter: REUTER, Lea (Karlsruhe Institute of Technology (KIT))

Contribution ID: 37

Type: **not specified**

dE/dx

Wednesday, 26 July 2023 08:55 (20 minutes)

Presenter: GARG, Renu (BELLE (BELLE II Experiment))

Contribution ID: **38**

Type: **not specified**

Workshop Dinner at Duke Gardens

Contribution ID: 39

Type: **not specified**

Topics in flavor physics (theory)

Thursday, 27 July 2023 14:30 (45 minutes)

Presenter: Prof. PETROV, Alexey (University of South Carolina)

Contribution ID: **40**

Type: **not specified**

Detector Overview

Monday, 24 July 2023 10:20 (20 minutes)

Presenter: BENNETT, Jake (BELLE (BELLE II Experiment))

Contribution ID: 41

Type: **not specified**

Presentation on $R(D^{(*)})$

Friday, 28 July 2023 13:45 (20 minutes)

Presenter: CRANE, Tia (University of Hawaii at Manoa (Belle II))

Session Classification: Student Flash Talks

Contribution ID: 42

Type: **not specified**

A model-independent likelihood function for the Belle II $B^+ \rightarrow K^+ \nu \bar{\nu}$ analysis

Friday, 28 July 2023 14:05 (20 minutes)

Presenter: GAERTNER, Lorenz Ennio (BELLE (BELLE II Experiment))

Session Classification: Student Flash Talks

Contribution ID: 43

Type: **not specified**

Ξ_c^+ lifetime analysis

Friday, 28 July 2023 14:25 (20 minutes)

Presenter: GEBELINE, Paul Stanley (BELLE (BELLE II Experiment))

Session Classification: Student Flash Talks

Contribution ID: 44

Type: **not specified**

Optimization and Evaluation of KL Identification Performance

Wednesday, 26 July 2023 15:45 (20 minutes)

Presenter: STOETZER, Lucas (BELLE (BELLE II Experiment))

Session Classification: Student Flash Talks

Contribution ID: 45

Type: **not specified**

A_{fb} from $B \rightarrow X\ell\nu$ decays at Belle II

Wednesday, 26 July 2023 16:05 (20 minutes)

Presenter: VAN TONDER, Raynette (BELLE (BELLE II Experiment))

Session Classification: Student Flash Talks

Contribution ID: 46

Type: **not specified**

Amplitude analysis of $\Xi_c^0 \rightarrow \Lambda^0 K^- \pi^+$

Wednesday, 26 July 2023 16:25 (20 minutes)

Presenter: POKHAREL, Saroj (BELLE (BELLE II Experiment))

Session Classification: Student Flash Talks

Contribution ID: 47

Type: **not specified**

Inelastic Dark Matter Search at Belle 2

Wednesday, 26 July 2023 16:45 (20 minutes)

Presenter: LAM, Tommy (Virginia Tech (BELLE II Experiment))

Session Classification: Student Flash Talks

Contribution ID: 48

Type: **not specified**

My Path from student to staff scientist

Thursday, 27 July 2023 15:45 (30 minutes)

Presenter: HARTBRICH, Oskar (not set)

Session Classification: Professional Development

Contribution ID: 49

Type: **not specified**

Students

Thursday, 27 July 2023 16:15 (1 hour)

Presenter: BENNETT, Jake (BELLE (BELLE II Experiment))

Session Classification: Professional Development

Contribution ID: 50

Type: **not specified**

PostDocs

Thursday, 27 July 2023 16:15 (1 hour)

Presenters: COCHRAN, James Herbert (Iowa State University (US)); Prof. BROWDER, Thomas (University of Hawaii (Belle II))

Session Classification: Professional Development

Contribution ID: 51

Type: **not specified**

K_L^0 Identification Efficiency of the KLM detector using sPlot

Friday, 28 July 2023 14:45 (15 minutes)

Presenter: DAVIS, Jackson Andrew (BELLE (BELLE II Experiment))

Session Classification: Student Flash Talks