

# **Belle II Trigger/DAQ Workshop 2022**

## **Report of Contributions**

Contribution ID: 2

Type: **not specified**

## TOPTRG status

*Wednesday 30 November 2022 09:00 (20 minutes)*

**Presenter:** GU, Tianping (BELLE (BELLE II Experiment))

**Session Classification:** Trigger

Contribution ID: 3

Type: **not specified**

## **TOPTRG after LS1 and future plan**

*Wednesday 30 November 2022 09:20 (20 minutes)*

**Presenter:** SAVINOV, Vladimir (BELLE (BELLE II Experiment))

**Session Classification:** Trigger

Contribution ID: 4

Type: **not specified**

## **KLMTRG status**

*Wednesday 30 November 2022 09:40 (20 minutes)*

**Presenter:** PESCHKE, Richard (BELLE (BELLE Gruppe))

**Session Classification:** Trigger

Contribution ID: 5

Type: **not specified**

## **KLMTRG LS1 and future plan, human resource**

*Wednesday 30 November 2022 10:00 (15 minutes)*

**Presenter:** NISHIMURA, Kurtis (BELLE (BELLE II Experiment))

**Session Classification:** Trigger

Contribution ID: 6

Type: **not specified**

## **ECLTRG status**

*Wednesday 30 November 2022 10:50 (20 minutes)*

**Presenter:** YUJI, Unno (BELLE (BELLE II Experiment))

**Session Classification:** Trigger

Contribution ID: 7

Type: **not specified**

## **ECLTRG calibration**

*Wednesday 30 November 2022 11:10 (20 minutes)*

**Presenter:** JANG, Eunji

**Session Classification:** Trigger

Contribution ID: 8

Type: **not specified**

## **ECLTRG DQM**

*Wednesday 30 November 2022 11:30 (20 minutes)*

**Presenter:** CHO, HanEol (BELLE (BELLE II Experiment))

**Session Classification:** Trigger



Contribution ID: 9

Type: **not specified**

## **ECLTRG LS1 and future plan**

*Wednesday 30 November 2022 11:50 (20 minutes)*

**Presenter:** YUJI, Unno (BELLE (BELLE II Experiment))

**Session Classification:** Trigger

Contribution ID: **10**

Type: **not specified**

## **VXD TRG R&D status**

*Wednesday 30 November 2022 13:30 (20 minutes)*

**Presenter:** SHIMASAKI, Tomoyuki (BELLE (BELLE II Experiment))

**Session Classification:** Trigger

Contribution ID: 11

Type: **not specified**

## **GDL status and plan**

*Wednesday 30 November 2022 14:10 (20 minutes)*

**Presenter:** NAKAZAWA, Hideyuki (BELLE (BELLE II Experiment))

**Session Classification:** Trigger

Contribution ID: 12

Type: **not specified**

## **GRL status and plan**

*Wednesday 30 November 2022 13:50 (20 minutes)*

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

**Session Classification:** Trigger

Contribution ID: 13

Type: **not specified**

## **UT5: versal and highspeed optical link**

**Presenter:** LAI, Yun-Tsung (Belle (SuperKEKB Experiment))

**Session Classification:** Trigger

Contribution ID: 14

Type: **not specified**

## **UT5 schedule and discussion**

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

**Session Classification:** Trigger

Contribution ID: 15

Type: **not specified**

## **UT4 production plan**

*Thursday 1 December 2022 11:30 (20 minutes)*

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

**Session Classification:** Trigger

Contribution ID: **16**

Type: **not specified**

## **CDCTRG 3D and ADC**

*Thursday 1 December 2022 10:10 (20 minutes)*

**Presenter:** SUDO, Hiroto (BELLE (BELLE II Experiment))

**Session Classification:** Trigger



Contribution ID: 17

Type: **not specified**

## **CDCTRG NN with enriched input information**

*Wednesday 30 November 2022 16:20 (20 minutes)*

**Presenter:** LIU, Yuxin (BELLE (BELLE II Experiment))

**Session Classification:** Trigger

Contribution ID: **18**

Type: **not specified**

## **CDCTRG NN plans in LS1 and in the future**

*Wednesday 30 November 2022 15:40 (20 minutes)*

**Presenter:** KIESLING, Christian (Belle/MPIM (H1 / MPI Muenchen))

**Session Classification:** Trigger

Contribution ID: **19**

Type: **not specified**

## **CDCTRG MGR spare status**

**Presenter:** SHIU, Jing-Ge (BELLE (BELLE II Experiment))

**Session Classification:** Trigger

Contribution ID: 20

Type: **not specified**

## **new CDCFE and no MGR scheme in LS2**

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

**Session Classification:** Trigger

Contribution ID: 21

Type: **not specified**

## CDCTRG displaced vertex

*Wednesday 30 November 2022 17:40 (20 minutes)*

**Presenter:** SCHMIDT, Elia (2024-08-15 00:00:00)

**Session Classification:** Trigger

Contribution ID: 22

Type: **not specified**

## **CDCTRG 2D status and plan**

*Thursday 1 December 2022 09:40 (20 minutes)*

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

**Session Classification:** Trigger

Contribution ID: 23

Type: **not specified**

## **CDCTRG LS2 and beyond**

*Wednesday 30 November 2022 18:40 (20 minutes)*

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

**Session Classification:** Trigger

Contribution ID: 24

Type: **not specified**

## **CDCTRG major problem 2022**

*Wednesday 30 November 2022 15:20 (20 minutes)*

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

**Session Classification:** Trigger



Contribution ID: 25

Type: **not specified**

## Operation and monitoring

*Thursday 1 December 2022 10:50 (20 minutes)*

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

**Session Classification:** Trigger

Contribution ID: 26

Type: **not specified**

## Injection veto

*Thursday 1 December 2022 11:10 (20 minutes)*

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

**Session Classification:** Trigger

Contribution ID: 27

Type: **not specified**

## **SLC and shift modification in LS1**

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

**Session Classification:** Trigger

Contribution ID: 28

Type: **not specified**

## **Database status and plan for operation and rundependent MC**

**Presenter:** NAKAZAWA, Hideyuki (BELLE (BELLE II Experiment))

**Session Classification:** Trigger

Contribution ID: 29

Type: **not specified**

## **FPGA selection: Xilinx Japan**

**Session Classification:** Trigger

Contribution ID: **30**

Type: **not specified**

## **UT5 possible new logic**

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

**Session Classification:** Trigger

Contribution ID: **31**

Type: **not specified**

## Discussion

*Thursday 1 December 2022 14:50 (20 minutes)*

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

**Session Classification:** Joint Session

Contribution ID: 32

Type: **not specified**

## **Level3 trigger (Fast reco)**

*Thursday 1 December 2022 14:30 (20 minutes)*

**Presenter:** ITOH, Ryosuke (BELLE (BELLE II Experiment))

**Session Classification:** Joint Session



Contribution ID: 33

Type: **not specified**

## **Expected L1 rate limitation and HLT processing time**

*Thursday 1 December 2022 13:50 (20 minutes)*

**Presenter:** TRABELSI, Karim (IJCLab (Orsay))

**Session Classification:** Joint Session

Contribution ID: 34

Type: **not specified**

## Expected L1 rate in future

*Thursday 1 December 2022 14:10 (20 minutes)*

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

**Session Classification:** Joint Session

Contribution ID: 35

Type: **not specified**

## Trigger bit for lowmulti physics

*Thursday 1 December 2022 15:30 (20 minutes)*

**Presenter:** GRAZIANI, Enrico (INFN - Roma 3)

**Session Classification:** Trigger

Contribution ID: 36

Type: **not specified**

## **L1rate status and prospect**

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

**Session Classification:** Trigger

Contribution ID: 37

Type: **not specified**

## **ECL trigger bit for lowmulti physics**

**Presenter:** HEARTY, Christopher (University of British Columbia / IPP)

**Session Classification:** Trigger

Contribution ID: **38**

Type: **not specified**

## **Trigger bit for tau physics**

*Thursday 1 December 2022 15:50 (20 minutes)*

**Presenter:** MARTINI, Alberto (BELLE (BELLE Gruppe))

**Session Classification:** Trigger

Contribution ID: 39

Type: **not specified**

## Trigger bit for PID (two photon)

*Thursday 1 December 2022 16:10 (20 minutes)*

**Presenter:** UNO, Kenta (BELLE (BELLE II Experiment))

**Session Classification:** Trigger

Contribution ID: 40

Type: **not specified**

## **Trigger menu discussion after LS1 and beyond**

*Thursday 1 December 2022 17:10 (20 minutes)*

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

**Session Classification:** Trigger



Contribution ID: 41

Type: **not specified**

## Displaced vertex physics

*Wednesday 30 November 2022 17:20 (20 minutes)*

**Presenter:** FERBER, Torben (KIT)

**Session Classification:** Trigger

Contribution ID: 42

Type: **not specified**

## **CDCTRG Displaced Vertex Track Segment Finder Status**

*Wednesday 30 November 2022 17:00 (20 minutes)*

**Presenter:** NEU, Marc

**Session Classification:** Trigger

Contribution ID: 43

Type: **not specified**

## CDCTRG NN simulation status

*Wednesday 30 November 2022 16:00 (20 minutes)*

**Presenter:** MEGGENDORFER, Felix (BELLE (BELLE II Experiment))

**Session Classification:** Trigger

Contribution ID: 44

Type: **not specified**

## CDCTRG GNN based tracking

*Wednesday 30 November 2022 18:20 (20 minutes)*

**Presenter:** REUTER, Lea (Belle II)

**Session Classification:** Trigger

Contribution ID: 45

Type: **not specified**

## HLT general introduction

*Thursday 1 December 2022 13:30 (20 minutes)*

**Presenter:** ITOH, Ryosuke (BELLE (BELLE II Experiment))

**Session Classification:** Joint Session

Contribution ID: 46

Type: **not specified**

## Physics performance vs time since injection

*Thursday 1 December 2022 16:50 (20 minutes)*

**Presenter:** RADOS, Petar Kevin (HEPHY)

**Session Classification:** Trigger

Contribution ID: 47

Type: **not specified**

## Injection veto analysis status

**Presenter:** KUSUDO, Aimi (BELLE (BELLE II Experiment))

**Session Classification:** Trigger

Contribution ID: 48

Type: **not specified**

## Overall status and commissioning in LS1

*Wednesday 30 November 2022 13:30 (20 minutes)*

**Presenter:** YAMADA, Satoru (BELLE (BELLE II Experiment))

**Session Classification:** DAQ



Contribution ID: 49

Type: **not specified**

## **Belle2link implementation and data-error check**

*Wednesday 30 November 2022 13:50 (15 minutes)*

**Presenter:** LAI, Yun-Tsung (Belle (SuperKEKB Experiment))

**Session Classification:** DAQ

Contribution ID: 50

Type: **not specified**

## **B2tt firmware**

*Wednesday 30 November 2022 14:05 (15 minutes)*

**Presenter:** Dr LEVIT, Dmytro (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: 51

Type: **not specified**

## **Slow-control preparation for SVD**

*Wednesday 30 November 2022 14:20 (15 minutes)*

**Presenter:** ZHOU, Qidong (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: 52

Type: **not specified**

## **Slow-control preparation for CDC and ECL**

*Wednesday 30 November 2022 14:35 (15 minutes)*

**Presenter:** PURWAR, Harsh (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: 53

Type: **not specified**

## **Slow-control preparation for ARICH and TRG**

**Presenter:** LAI, Yun-Tsung (Belle (SuperKEKB Experiment))

**Session Classification:** DAQ

Contribution ID: 54

Type: **not specified**

## **Slow-control preparation for ARICH and TRG**

*Wednesday 30 November 2022 14:50 (15 minutes)*

**Presenter:** LAI, Yun-Tsung (Belle (SuperKEKB Experiment))

**Session Classification:** DAQ

Contribution ID: 55

Type: **not specified**

## Software assisted event-building

*Wednesday 30 November 2022 15:25 (20 minutes)*

**Presenter:** Dr LEVIT, Dmytro (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: 56

Type: **not specified**

## **Development at IJClab : Double PCllexpress and optical b2tt**

*Wednesday 30 November 2022 15:45 (20 minutes)*

**Presenter:** LAU, Tak-Shun (BELLE (BELLE II Experiment))

**Session Classification:** DAQ



Contribution ID: 57

Type: **not specified**

## **DAQ upgrade paper**

*Wednesday 30 November 2022 16:20 (10 minutes)*

**Presenter:** PURWAR, Harsh (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: 58

Type: **not specified**

## **Interface between FEE and PCIe40**

*Wednesday 30 November 2022 16:05 (15 minutes)*

**Presenter:** Dr LEVIT, Dmytro (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: 59

Type: **not specified**

## Welcome

*Tuesday 29 November 2022 09:00 (15 minutes)*

**Presenter:** Prof. HAYASHII, Hisaki (BELLE (BELLE II Experiment))

**Session Classification:** Opening Session

Contribution ID: **60**

Type: **not specified**

## **Logistics**

*Tuesday 29 November 2022 09:15 (15 minutes)*

**Presenter:** MIYABAYASHI, Kenkichi (BELLE (BELLE II Experiment))

**Session Classification:** Opening Session

Contribution ID: **61**

Type: **not specified**

## **Introduction ans Status (Trigger)**

*Tuesday 29 November 2022 09:30 (30 minutes)*

**Presenter:** NAKAZAWA, Hideyuki (BELLE (BELLE II Experiment))

**Session Classification:** Opening Session

Contribution ID: **62**

Type: **not specified**

## **Introduction amd Statis (DAQ)**

*Tuesday 29 November 2022 10:00 (30 minutes)*

**Presenter:** Mr PARK, Seokhee (BELLE (BELLE II Experiment))

**Session Classification:** Opening Session

Contribution ID: **63**

Type: **not specified**

## **CDC**

*Tuesday 29 November 2022 10:50 (30 minutes)*

**Presenter:** NAKAZAWA, Yu (BELLE (BELLE II Experiment))

**Session Classification:** Detector Session

Contribution ID: **64**

Type: **not specified**

## Discussion

*Tuesday 29 November 2022 11:20 (15 minutes)*

**Session Classification:** Detector Session



Contribution ID: 65

Type: **not specified**

**TOP**

*Tuesday 29 November 2022 11:35 (30 minutes)*

**Presenter:** PURWAR, Harsh (BELLE (BELLE II Experiment))

**Session Classification:** Detector Session

Contribution ID: **66**

Type: **not specified**

## Discussion

*Tuesday 29 November 2022 12:05 (15 minutes)*

**Session Classification:** Detector Session

Contribution ID: 67

Type: **not specified**

## ARICH

*Tuesday 29 November 2022 13:30 (30 minutes)*

**Presenter:** UNO, Kenta (BELLE (BELLE II Experiment))

**Session Classification:** Detector Session

Contribution ID: **68**

Type: **not specified**

## Discussion

*Tuesday 29 November 2022 14:00 (15 minutes)*

**Session Classification:** Detector Session

Contribution ID: **69**

Type: **not specified**

## **ECL**

*Tuesday 29 November 2022 14:15 (30 minutes)*

**Presenter:** REMNEV, Mikhail (BELLE (BELLE II Experiment))

**Session Classification:** Detector Session

Contribution ID: 70

Type: **not specified**

## Discussion

*Tuesday 29 November 2022 14:45 (15 minutes)*

**Session Classification:** Detector Session

Contribution ID: 71

Type: **not specified**

## **KLM**

*Tuesday 29 November 2022 15:00 (30 minutes)*

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

**Session Classification:** Detector Session

Contribution ID: 72

Type: **not specified**

## Discussion

*Tuesday 29 November 2022 15:30 (15 minutes)*

**Session Classification:** Detector Session



Contribution ID: 73

Type: **not specified**

## SVD

*Tuesday 29 November 2022 16:00 (30 minutes)*

**Presenter:** NAKAMURA, Katsuro (KEK)

**Session Classification:** Detector Session

Contribution ID: 74

Type: **not specified**

## Discussion

*Tuesday 29 November 2022 16:30 (15 minutes)*

**Session Classification:** Detector Session

Contribution ID: 75

Type: **not specified**

## PXD

*Tuesday 29 November 2022 16:45 (30 minutes)*

**Presenter:** SPRUCK, Bjoern (BELLE (BELLE II Experiment))

**Session Classification:** Detector Session

Contribution ID: 76

Type: **not specified**

## Discussion

*Tuesday 29 November 2022 17:15 (15 minutes)*

**Session Classification:** Detector Session

Contribution ID: 77

Type: **not specified**

## **FTSW firmware overhaul project**

*Wednesday 30 November 2022 09:00 (20 minutes)*

**Presenter:** NAKAO, Mikihiro (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: 78

Type: **not specified**

## Discussion

**Session Classification:** DAQ

Contribution ID: 79

Type: **not specified**

## History of COPPER based readout

*Wednesday 30 November 2022 10:15 (15 minutes)*

**Presenter:** YAMADA, Satoru (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: **80**

Type: **not specified**

## Discussion

*Wednesday 30 November 2022 10:00 (15 minutes)*

**Session Classification:** DAQ



Contribution ID: **81**

Type: **not specified**

## Event Builder

*Wednesday 30 November 2022 10:50 (30 minutes)*

**Presenter:** Y. SUZUKI, Soh (KEK)

**Session Classification:** DAQ

Contribution ID: **82**

Type: **not specified**

## Discussion

*Wednesday 30 November 2022 11:20 (10 minutes)*

**Session Classification:** DAQ

Contribution ID: **83**

Type: **not specified**

## **HLT operation history and new framework**

*Wednesday 30 November 2022 11:30 (30 minutes)*

**Presenter:** ITOH, Ryosuke (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: **84**

Type: **not specified**

## Discussion

*Wednesday 30 November 2022 12:20 (10 minutes)*

**Session Classification:** DAQ

Contribution ID: **85**

Type: **not specified**

## **STORE upgrade**

*Thursday 1 December 2022 09:00 (20 minutes)*

**Presenter:** Mr PARK, Seokhee (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: **86**

Type: **not specified**

## **ExpressReco upgrade**

*Thursday 1 December 2022 09:35 (20 minutes)*

**Presenter:** Mr PARK, Seokhee (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: **87**

Type: **not specified**

## Discussion

*Thursday 1 December 2022 09:20 (15 minutes)*

**Session Classification:** DAQ

Contribution ID: **88**

Type: **not specified**

## **ExpressReco sampling and performance test**

*Thursday 1 December 2022 09:55 (20 minutes)*

**Presenter:** JACOBI, Daniel (BELLE (BELLE II Experiment))

**Session Classification:** DAQ



Contribution ID: **89**

Type: **not specified**

## Discussion

*Thursday 1 December 2022 10:15 (15 minutes)*

**Session Classification:** DAQ

Contribution ID: **90**

Type: **not specified**

## **Slow control operation**

**Session Classification:** DAQ

Contribution ID: **91**

Type: **not specified**

## Discussion

**Session Classification:** DAQ

Contribution ID: 92

Type: **not specified**

## DCS status

**Session Classification:** DAQ

Contribution ID: 93

Type: **not specified**

## Status of Slow Control

*Thursday 1 December 2022 15:30 (30 minutes)*

**Presenter:** KUNIGO, Takuto (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: 94

Type: **not specified**

## Discussion

*Thursday 1 December 2022 16:00 (15 minutes)*

**Session Classification:** DAQ

Contribution ID: 95

Type: **not specified**

## DCS status

*Thursday 1 December 2022 16:15 (20 minutes)*

**Presenter:** KUNIGO, Takuto (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: **96**

Type: **not specified**

## **EPICS based DCS**

*Thursday 1 December 2022 16:35 (20 minutes)*

**Presenter:** SPRUCK, Bjoern (BELLE (BELLE II Experiment))

**Session Classification:** DAQ



Contribution ID: 97

Type: **not specified**

## OPC based DCS

*Thursday 1 December 2022 16:55 (20 minutes)*

**Presenter:** KUNIGO, Takuto (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: **98**

Type: **not specified**

## **Alarm system and Phebus upgrade**

*Thursday 1 December 2022 17:15 (20 minutes)*

**Presenter:** Dr RITZERT, Michael (not set)

**Session Classification:** DAQ

Contribution ID: 99

Type: **not specified**

## Discussion

*Thursday 1 December 2022 17:35 (15 minutes)*

**Session Classification:** DAQ

Contribution ID: **100**

Type: **not specified**

## **DQM status and upgrade plans**

*Thursday 1 December 2022 10:50 (25 minutes)*

**Presenter:** SPRUCK, Bjoern (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: **101**

Type: **not specified**

## **DQM implementation status by each subdetector**

**Session Classification:** DAQ

Contribution ID: **102**

Type: **not specified**

## Discussion

*Thursday 1 December 2022 12:10 (15 minutes)*

**Session Classification:** DAQ

Contribution ID: **103**

Type: **not specified**

## Summary of Trigger discussion

*Friday 2 December 2022 13:30 (30 minutes)*

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

**Session Classification:** Closing session

Contribution ID: **104**

Type: **not specified**

## Summary of DAQ discussion

*Friday 2 December 2022 14:00 (30 minutes)*

**Presenter:** YAMADA, Satoru (BELLE (BELLE II Experiment))

**Session Classification:** Closing session



Contribution ID: **105**

Type: **not specified**

## Closing

*Friday 2 December 2022 14:30 (30 minutes)*

**Presenters:** MIYABAYASHI, Kenkichi (BELLE (BELLE II Experiment)); ITOH, Ryosuke (BELLE (BELLE II Experiment))

**Session Classification:** Closing session

Contribution ID: **106**

Type: **not specified**

## **CDC FEE upgrade**

*Friday 2 December 2022 09:40 (20 minutes)*

**Presenter:** TANIGUCHI, Nanae (BELLE (BELLE II Experiment))

**Session Classification:** Joint Session

Contribution ID: **107**

Type: **not specified**

## **PXD readout upgrade**

*Friday 2 December 2022 09:20 (20 minutes)*

**Presenter:** KONOROV, Igor (BELLE (BELLE II Experiment))

**Session Classification:** Joint Session

Contribution ID: **108**

Type: **not specified**

## **TRG upgrade**

*Friday 2 December 2022 10:00 (30 minutes)*

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

**Session Classification:** Joint Session

Contribution ID: **109**

Type: **not specified**

## **DAQ for higher L1 rate + Triggerless DAQ**

*Friday 2 December 2022 10:50 (20 minutes)*

**Presenter:** YAMADA, Satoru (BELLE (BELLE II Experiment))

**Session Classification:** Joint Session

Contribution ID: 110

Type: **not specified**

## Detector requirements for higher rate/triggerless DAQ

PXD/SVD/CDC/TOP/ARICH/ECL/KLM/TRG

**Presenters:** PURWAR, Harsh (BELLE (BELLE II Experiment)); NAKAZAWA, Hideyuki (BELLE (BELLE II Experiment)); UNO, Kenta (BELLE (BELLE II Experiment)); REMNEV, Mikhail (BELLE (BELLE II Experiment)); BANERJEE, Swagato (University of Louisville (U.S.)); KOGA, Taichiro (BELLE (BELLE II Experiment)); NAKAZAWA, Yu (BELLE (BELLE II Experiment))

**Session Classification:** Joint Session

Contribution ID: **111**

Type: **not specified**

## **Discussion**

*Friday 2 December 2022 11:50 (15 minutes)*

**Session Classification:** Joint Session

Contribution ID: 112

Type: **not specified**

## Hardware Acceleration in HLT

*Friday 2 December 2022 12:05 (20 minutes)*

**Presenter:** ZHOU, Qidong (BELLE (BELLE II Experiment))

**Session Classification:** Joint Session



Contribution ID: **113**

Type: **not specified**

## **HLT test bench**

*Wednesday 30 November 2022 12:00 (20 minutes)*

**Presenter:** LEE, Chanyoung (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: 114

Type: **not specified**

## **New technologies for high-speed readout**

*Friday 2 December 2022 09:00 (20 minutes)*

**Presenter:** LAI, Yun-Tsung (Belle (SuperKEKB Experiment))

**Session Classification:** Joint Session

Contribution ID: 115

Type: **not specified**

## **FTSW4 development status**

*Wednesday 30 November 2022 09:20 (20 minutes)*

**Presenter:** NAKAO, Mikihiro (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: **116**

Type: **not specified**

## **TTD software for non-stop DAQ**

*Wednesday 30 November 2022 09:40 (20 minutes)*

**Presenter:** NAKAO, Mikihiro (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: 117

Type: **not specified**

## DAQ servers and network

*Wednesday 30 November 2022 16:45 (30 minutes)*

**Presenter:** NAKAO, Mikihiro (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: **118**

Type: **not specified**

## **Discussion**

*Wednesday 30 November 2022 17:15 (20 minutes)*

**Session Classification:** DAQ

Contribution ID: 119

Type: **not specified**

## **Detector requirements for higher rate/triggerless DAQ : PXD**

*Friday 2 December 2022 11:10 (5 minutes)*

**Presenter:** SPRUCK, Bjoern (BELLE (BELLE II Experiment))

**Session Classification:** Joint Session

Contribution ID: 120

Type: **not specified**

## **Detector requirements for higher rate/triggerless DAQ : SVD**

*Friday 2 December 2022 11:15 (5 minutes)*

**Presenter:** NAKAMURA, Katsuro (KEK)

**Session Classification:** Joint Session



Contribution ID: 121

Type: **not specified**

## **Detector requirements for higher rate/triggerless DAQ : CDC**

*Friday 2 December 2022 11:20 (5 minutes)*

**Presenter:** NAKAZAWA, Yu (BELLE (BELLE II Experiment))

**Session Classification:** Joint Session

Contribution ID: 122

Type: **not specified**

## **Detector requirements for higher rate/triggerless DAQ : TOP**

*Friday 2 December 2022 11:25 (5 minutes)*

**Presenter:** PURWAR, Harsh (BELLE (BELLE II Experiment))

**Session Classification:** Joint Session

Contribution ID: 123

Type: **not specified**

## **Detector requirements for higher rate/triggerless DAQ : ARICH**

*Friday 2 December 2022 11:30 (5 minutes)*

**Presenter:** UNO, Kenta (BELLE (BELLE II Experiment))

**Session Classification:** Joint Session

Contribution ID: 124

Type: **not specified**

## **Detector requirements for higher rate/triggerless DAQ : ECL**

*Friday 2 December 2022 11:35 (5 minutes)*

**Presenter:** REMNEV, Mikhail (BELLE (BELLE II Experiment))

**Session Classification:** Joint Session

Contribution ID: 125

Type: **not specified**

## **Detector requirements for higher rate/triggerless DAQ : KLM**

*Friday 2 December 2022 11:40 (5 minutes)*

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

**Session Classification:** Joint Session

Contribution ID: 126

Type: **not specified**

## **Detector requirements for higher rate/triggerless DAQ : TRG**

*Friday 2 December 2022 11:45 (5 minutes)*

**Presenters:** NAKAZAWA, Hideyuki (BELLE (BELLE II Experiment)); KOGA, Taichiro (BELLE (BELLE II Experiment))

**Session Classification:** Joint Session

Contribution ID: 127

Type: **not specified**

## **New participation from Sydney**

*Wednesday 30 November 2022 10:15 (10 minutes)*

**Presenter:** LAI, Yun-Tsung (Belle (SuperKEKB Experiment))

**Session Classification:** Trigger

Contribution ID: **128**

Type: **not specified**

## **CDCTRG GNN ADC and TDC study**

*Wednesday 30 November 2022 18:00 (20 minutes)*

**Presenter:** DORWARTH, Philipp (BELLE (BELLE II Experiment))

**Session Classification:** Trigger



Contribution ID: **129**

Type: **not specified**

## **CDCTRG Mics. for data flow and Merger**

*Thursday 1 December 2022 09:00 (20 minutes)*

**Presenter:** LAI, Yun-Tsung (Belle (SuperKEKB Experiment))

**Session Classification:** Trigger

Contribution ID: **130**

Type: **not specified**

## **CDCTRG MGR board**

*Thursday 1 December 2022 09:20 (20 minutes)*

**Presenter:** SHIU, Jing-Ge (BELLE (BELLE II Experiment))

**Session Classification:** Trigger

Contribution ID: **131**

Type: **not specified**

## **CDCTRG 3D status**

*Thursday 1 December 2022 10:00 (10 minutes)*

**Presenter:** LIN, Jie-Cheng (BELLE (BELLE II Experiment))

**Session Classification:** Trigger

Contribution ID: **132**

Type: **not specified**

## **Bhabha veto**

*Thursday 1 December 2022 16:30 (20 minutes)*

**Presenter:** YIN, Junhao (Korea University)

**Session Classification:** Trigger

Contribution ID: 133

Type: **not specified**

## DQM ECL

*Thursday 1 December 2022 11:45 (5 minutes)*

**Presenter:** REMNEV, Mikhail (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: **134**

Type: **not specified**

## **DQM CDC**

*Thursday 1 December 2022 11:40 (5 minutes)*

**Presenter:** NAKAZAWA, Yu (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: 135

Type: **not specified**

## DQM SVD

*Thursday 1 December 2022 11:30 (5 minutes)*

**Presenter:** TENCHINI, Francesco (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: **136**

Type: **not specified**

## **DQM KLM**

*Thursday 1 December 2022 11:50 (5 minutes)*

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

**Session Classification:** DAQ



Contribution ID: **137**

Type: **not specified**

## **DQM TOP**

*Thursday 1 December 2022 12:00 (5 minutes)*

**Presenter:** PURWAR, Harsh (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: **138**

Type: **not specified**

## **DQM TRG**

*Thursday 1 December 2022 12:05 (5 minutes)*

**Session Classification:** DAQ

Contribution ID: **139**

Type: **not specified**

## **DQM ARICH**

*Thursday 1 December 2022 11:35 (5 minutes)*

**Presenter:** SANTELJ, Luka (Jozef Stefan Institute)

**Session Classification:** DAQ

Contribution ID: **140**

Type: **not specified**

## **DQM PXD**

*Thursday 1 December 2022 11:55 (5 minutes)*

**Presenter:** SPRUCK, Bjoern (BELLE (BELLE II Experiment))

**Session Classification:** DAQ

Contribution ID: **141**

Type: **not specified**

## **MiraBelle status and future plans**

*Thursday 1 December 2022 11:15 (15 minutes)*

**Presenter:** SANTELJ, Luka (Jozef Stefan Institute)

**Session Classification:** DAQ

Contribution ID: 142

Type: **not specified**

## **Analysis of no injection veto run**

**Presenter:** KUSUDO, Aimi (BELLE (BELLE II Experiment))

**Session Classification:** Trigger

Contribution ID: **157**

Type: **not specified**

## Trigger record

*Wednesday 30 November 2022 08:30 (30 minutes)*