

# **FSP Workshop: Slow pion tracking**



## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Introduction remarks

*Wednesday, November 10, 2021 9:00 AM (5 minutes)*

**Presenter:** LANGE, Jens Soeren (BELLE (BELLE II Experiment))

**Session Classification:** Clustering

Contribution ID: 2

Type: **not specified**

## Implementation and Structure for PXD

*Tuesday, November 9, 2021 9:00 AM (20 minutes)*

**Primary author:** KONOROV, Igor (BELLE (BELLE II Experiment))

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

**Session Classification:** DAQ

Contribution ID: 3

Type: **not specified**

## Performance of the Belle 2 event builder

*Tuesday, November 9, 2021 9:20 AM (20 minutes)*

**Primary author:** Y. SUZUKI, Soh (KEK)

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

**Session Classification:** DAQ

Contribution ID: 4

Type: **not specified**

## **Performance of the Belle 2 high-level trigger**

*Tuesday, November 9, 2021 9:40 AM (20 minutes)*

**Primary author:** ITOH, Ryosuke (BELLE (BELLE II Experiment))

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

**Session Classification:** DAQ

Contribution ID: 5

Type: **not specified**

## Welcome

*Monday, November 8, 2021 2:30 PM (5 minutes)*

**Presenter:** Prof. PAUL, Stephan

**Session Classification:** Physics motivation for slow pion reconstruction

Contribution ID: 6

Type: **not specified**

## Slow Pions as Flavor Taggers

*Monday, November 8, 2021 2:35 PM (15 minutes)*

**Presenter:** KIESLING, Christian

**Session Classification:** Physics motivation for slow pion reconstruction

Contribution ID: 7

Type: **not specified**

## **Slow Pion Reconstruction at HEPHY**

*Monday, November 8, 2021 3:40 PM (20 minutes)*

**Presenter:** SCHWANDA, Christoph

**Session Classification:** Physics motivation for slow pion reconstruction



Contribution ID: 8

Type: **not specified**

## Slow Pions for $V_{ub}$ and $R(D^*/D)$

*Monday, November 8, 2021 2:50 PM (15 minutes)*

**Presenters:** BERNLOCHNER, Florian (Belle (SuperKEKB Experiment)); CAO, Lu (BELLE (BELLE Gruppe))

**Session Classification:** Physics motivation for slow pion reconstruction

Contribution ID: 9

Type: **not specified**

## Slow Pions from XYZ States

*Monday, November 8, 2021 3:05 PM (20 minutes)*

**Presenter:** PRENCIPE, Elisabetta

**Session Classification:** Physics motivation for slow pion reconstruction

Contribution ID: **10**

Type: **not specified**

## **Slow Leptons for Michel Parameter Determination in tau Decays**

*Monday, November 8, 2021 3:25 PM (15 minutes)*

**Presenter:** BODROV, Denis

**Session Classification:** Physics motivation for slow pion reconstruction

Contribution ID: 11

Type: **not specified**

## Status of Clustering on DHH

*Wednesday, November 10, 2021 9:05 AM (30 minutes)*

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

**Session Classification:** Clustering

Contribution ID: 12

Type: **not specified**

## **Neural Network Slow Pion Rescue (Munich Approach)**

*Wednesday, November 10, 2021 9:35 AM (55 minutes)*

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

**Session Classification:** Clustering

Contribution ID: 13

Type: **not specified**

## **Neural Network Slow Pion Rescue (Giessen Approach), PCA**

*Wednesday, November 10, 2021 11:00 AM (30 minutes)*

**Presenter:** KÄS, Stephanie (Giessen)

**Session Classification:** Clustering

Contribution ID: 14

Type: **not specified**

## **Neural Network Slow Pion Rescue (Giessen Approach), Support Vector Machines**

*Wednesday, November 10, 2021 11:30 AM (30 minutes)*

**Presenter:** SCHELLHAAS, Timo (Giessen)

**Session Classification:** Clustering

Contribution ID: 15

Type: **not specified**

## **Neural Network Slow Pion Rescue (Giessen Approach), Convolution NN**

*Wednesday, November 10, 2021 12:00 PM (30 minutes)*

**Presenter:** BILK, Johannes (Giessen)

**Session Classification:** Clustering



Contribution ID: **16**

Type: **not specified**

## **Introduction**

**Session Classification:** Background

Contribution ID: 17

Type: **not specified**

## **PXD background**

*Tuesday, November 9, 2021 2:35 PM (20 minutes)*

**Presenter:** CAO, Lu (BELLE (BELLE Gruppe))

**Session Classification:** Background

Contribution ID: **18**

Type: **not specified**

## High background conditions

*Tuesday, November 9, 2021 3:00 PM (20 minutes)*

**Presenter:** TAKAHASHI, Maiko (BELLE (BELLE II Experiment))

**Session Classification:** Background

Contribution ID: **19**

Type: **not specified**

## **Belle II tracking**

*Tuesday, November 9, 2021 11:00 AM (20 minutes)*

**Presenter:** LUECK, Thomas (LMU, Belle II)

**Session Classification:** Belle 2 Tracking Performance

Contribution ID: 20

Type: **not specified**

## **Possible approaches to silicon-only tracking in HLT**

*Tuesday, November 9, 2021 11:40 AM (20 minutes)*

**Presenter:** GERASSIMOV, Sergei (BELLE (BELLE II Experiment))

**Session Classification:** Belle 2 Tracking Performance

Contribution ID: 21

Type: **not specified**

## **Belle II hough tracking for the VXD**

*Tuesday, November 9, 2021 11:20 AM (20 minutes)*

**Presenter:** WESSEL, Christian (University of Bonn)

**Session Classification:** Belle 2 Tracking Performance

Contribution ID: 22

Type: **not specified**

## **Slow Control & Monitoring considerations for PCIe**

*Wednesday, November 10, 2021 2:00 PM (20 minutes)*

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

**Session Classification:** PXD

Contribution ID: 23

Type: **not specified**

## **Data rates & Limits of Current System**

*Tuesday, November 9, 2021 2:00 PM (20 minutes)*

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

**Session Classification:** Background



Contribution ID: 24

Type: **not specified**

## **Belle II background studies**

*Tuesday, November 9, 2021 2:25 PM (5 minutes)*

**Session Classification:** Background