

**Mini-workshop on impedance
modeling and impedance
effects at SuperKEKB and
future colliders**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Opening remark

Thursday, December 15, 2022 9:00 AM (10 minutes)

Session Classification: Thursday morning

Contribution ID: 2

Type: **not specified**

Generalized Nyquist Criterion for Transverse Stability

Thursday, December 15, 2022 9:10 AM (30 minutes)

Presenter: Dr BLASKIEWICZ, Michael (BNL)

Session Classification: Thursday morning

Contribution ID: 3

Type: **not specified**

Coupled-bunch instability for arbitrary multibunch configurations

Thursday, December 15, 2022 9:40 AM (30 minutes)

Presenter: Dr BASSI, Gabriele (BNL)

Session Classification: Thursday morning

Contribution ID: 4

Type: **not specified**

Impedance modeling and its application to the analysis of the collective effects

Thursday, December 15, 2022 10:10 AM (30 minutes)

Presenter: Dr BLEDNYKH, Alexei (BNL)

Session Classification: Thursday morning

Contribution ID: 5

Type: **not specified**

Collimator model & FCC-ee impedance model

Thursday, December 15, 2022 10:50 AM (30 minutes)

Presenter: Dr BEHTOUËL, Mostafa (INFN-LNF)

Session Classification: Thursday morning

Contribution ID: 6

Type: **not specified**

Resistive wall impedance and incoherent tune shift for elliptical multilayer beam pipe

Thursday, December 15, 2022 11:20 AM (30 minutes)

Presenter: WANG, Yuting (IHEP)

Session Classification: Thursday morning

Contribution ID: 7

Type: **not specified**

-1 mode instability at SuperKEKB LER

Thursday, December 15, 2022 3:30 PM (30 minutes)

Presenter: Prof. OHMI, Kazuhito (KEK)

Session Classification: Thursday afternoon

Contribution ID: 8

Type: **not specified**

Impedance modeling for SuperKEKB

Thursday, December 15, 2022 3:00 PM (30 minutes)

There is a follow-up correction to the old results from T. Ishibashi. See the `skb_imp_follow1` file for further details.

Presenter: ISHIBASHI, Takuya (KEK)

Session Classification: Thursday afternoon

Contribution ID: 9

Type: **not specified**

Development and operation experience of collimators at SuperKEKB

Thursday, December 15, 2022 4:00 PM (30 minutes)

Presenter: TERUI, Shinji (KEK)

Session Classification: Thursday afternoon

Contribution ID: **10**

Type: **not specified**

Methods and results of bunch length measurements at SuperKEKB (Canceled)

Thursday, December 15, 2022 5:40 PM (30 minutes)

Presenter: Dr MITSUKA, Gaku (KEK)

Session Classification: Thursday afternoon

Contribution ID: 11

Type: **not specified**

Optimization of Belle II background and its impact on collimator settings

Thursday, December 15, 2022 5:10 PM (30 minutes)

Presenter: Dr NATOCHII, Andrii (University of Hawaii)

Session Classification: Thursday afternoon

Contribution ID: 13

Type: **not specified**

Impedance computations and beam-based measurements: A problem of discrepancy

Friday, December 16, 2022 9:00 AM (30 minutes)

Presenter: Dr SMALYUK, Victor (BNL)

Session Classification: Friday morning

Contribution ID: 14

Type: **not specified**

Beam Induced Heating Analysis for the EIC Vacuum Components

Friday, December 16, 2022 9:30 AM (30 minutes)

Presenter: Dr SANGROULA, Medani (BNL)

Session Classification: Friday morning

Contribution ID: 15

Type: **not specified**

Fokker-Planck analysis of transverse collective instabilities in electron storage rings (Canceled)

Friday, December 16, 2022 11:10 AM (30 minutes)

Presenter: Dr LINDBERG, Ryan (ANL)

Session Classification: Friday morning

Contribution ID: 16

Type: **not specified**

A cross-check of wakefield simulations by GdfidL and ECHO3D codes

Friday, December 16, 2022 10:00 AM (30 minutes)

Presenter: Dr KHAN, Aamna (BNL)

Session Classification: Friday morning

Contribution ID: 17

Type: **not specified**

Interplay of beam-beam and impedance effects

Friday, December 16, 2022 3:00 PM (30 minutes)

Presenter: Dr ZHANG, Yuan (IHEP)

Session Classification: Friday afternoon

Contribution ID: **18**

Type: **not specified**

Impedance modeling and related effects at CEPC

Friday, December 16, 2022 3:30 PM (30 minutes)

Presenter: Dr WANG, Na (IHEP)

Session Classification: Friday afternoon

Contribution ID: **19**

Type: **not specified**

FCC-ee collective effects

Friday, December 16, 2022 4:00 PM (30 minutes)

Presenter: CARIDEO, Emanuela (Univ. Roma1 and CERN)

Session Classification: Friday afternoon

Contribution ID: 20

Type: **not specified**

Resistive wall impedance with arbitrary cross section

Friday, December 16, 2022 4:40 PM (30 minutes)

Presenter: RAJABI, Ali (DESY)

Session Classification: Friday afternoon

Contribution ID: 21

Type: **not specified**

Collective Effects at the ESRF

Friday, December 16, 2022 5:10 PM (30 minutes)

Presenter: CARVER, Lee (ESRF)

Session Classification: Friday afternoon

Contribution ID: 22

Type: **not specified**

Resistive wall impedance calculations using neural network method (Canceled)

Friday, December 16, 2022 5:40 PM (30 minutes)

Presenter: Dr FUJITA, Kazuhiro (SIT (Japan))

Session Classification: Friday afternoon

Contribution ID: 23

Type: **not specified**

Close remark

Friday, December 16, 2022 6:10 PM (10 minutes)

Session Classification: Friday afternoon

Contribution ID: 24

Type: **not specified**

Coupled-bunch instability driven by resistive wall impedance at SuperKEKB main rings

Friday, December 16, 2022 10:40 AM (30 minutes)

Presenter: ZHOU, Demin (KEK)

Session Classification: Friday morning