

FCC-ee optics tuning and alignment mini-workshop | FCCIS WP2 hybrid event



Report of Contributions

Contribution ID: 1

Type: **not specified**

Intro and plan

Wednesday, 11 May 2022 14:00 (15 minutes)

Presenter: TOMAS GARCIA, Rogelio (CERN)

Session Classification: Optics corrections and tuning studies

Contribution ID: 2

Type: **not specified**

Status of FCC-ee optics tuning simulations

Wednesday, 11 May 2022 14:50 (20 minutes)

Presenter: CHARLES, Tessa (University of Liverpool (GB))

Session Classification: Optics corrections and tuning studies

Contribution ID: 3

Type: **not specified**

Dynamic aperture, sextupoles, etc.

Wednesday, 11 May 2022 15:10 (20 minutes)

Presenter: HOFER, Michael (CERN)

Session Classification: Optics corrections and tuning studies

Contribution ID: 4

Type: **not specified**

Towards a technical lattice

Wednesday, 11 May 2022 16:15 (20 minutes)

Presenter: VAN RIESEN-HAUPT, Leon (CERN)

Session Classification: Optics corrections and tuning studies

Contribution ID: 5

Type: **not specified**

Measurement techniques

Wednesday, 11 May 2022 16:35 (20 minutes)

Presenter: KEINTZEL, Jacqueline (CERN)

Session Classification: Optics corrections and tuning studies

Contribution ID: 6

Type: **not specified**

ESRF-EBS correction algorithms

Wednesday, 11 May 2022 16:55 (20 minutes)

Presenter: LIUZZO, Simone (ESRF)

Session Classification: Optics corrections and tuning studies

Contribution ID: 7

Type: **not specified**

Optics studies at the ESRF in the years 2010-2018

Wednesday, 11 May 2022 15:55 (20 minutes)

Presenter: FRANCHI, Andrea (Installation Europeenne de Rayonnement Synchrotron (ESRF))

Session Classification: Optics corrections and tuning studies

Contribution ID: 8

Type: **not specified**

Discussion

Wednesday, 11 May 2022 17:15 (30 minutes)

Session Classification: Optics corrections and tuning studies

Contribution ID: 9

Type: **not specified**

FCC-ee global alignment (very preliminary)

Thursday, 12 May 2022 14:00 (25 minutes)

Presenter: OIDE, Katsunobu (High Energy Accelerator Research Organization (JP))

Session Classification: Survey and alignment - concepts and realistic model

Contribution ID: **10**

Type: **not specified**

Survey & alignment experience from LEP and LHC to FCC, including dynamic aspects

Thursday, 12 May 2022 14:25 (40 minutes)

Presenters: MAINAUD DURAND, Helene (CERN); BRUNETTI, Laurent (LAPP IN2P3 CNRS Université de Savoie)

Session Classification: Survey and alignment - concepts and realistic model

Contribution ID: **11**

Type: **not specified**

SuperKEKB alignment experience

Thursday, 12 May 2022 15:05 (25 minutes)

Presenter: MASUZAWA, Mika (KEK)

Session Classification: Survey and alignment - concepts and realistic model

Contribution ID: 12

Type: **not specified**

PETRA 4 alignment and correction studies

Thursday, 12 May 2022 16:00 (25 minutes)

Presenter: AGAPOV, Ilya (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Survey and alignment - concepts and realistic model

Contribution ID: 13

Type: **not specified**

SLAC alignment techniques and results

Thursday, 12 May 2022 16:25 (30 minutes)

Presenter: GASSNER, Georg (SLAC National Accelerator Laboratory)

Session Classification: Survey and alignment - concepts and realistic model

Contribution ID: 14

Type: **not specified**

ESRF alignment techniques and results

Thursday, 12 May 2022 16:55 (30 minutes)

Presenter: MARTIN, David (Installation Europeenne de Rayonnement Synchrotron (ESRF))

Session Classification: Survey and alignment - concepts and realistic model

Contribution ID: 15

Type: **not specified**

Discussion

Thursday, 12 May 2022 17:25 (35 minutes)

Session Classification: Survey and alignment - concepts and realistic model

Contribution ID: 16

Type: **not specified**

Survey & alignment activities at LAPP (tbc)

Presenter: BRUNETTI, Laurent (Centre National de la Recherche Scientifique (FR))

Session Classification: Survey and alignment - concepts and realistic model

Contribution ID: 17

Type: **not specified**

Effects of misalignments on dynamic aperture and luminosity

Wednesday, 11 May 2022 14:15 (20 minutes)

Presenter: SHATILOV, Dmitry (Budker Institute of Nuclear Physics (RU))

Session Classification: Optics corrections and tuning studies

Contribution ID: **18**

Type: **not specified**

Effects of misalignments on polarisation and energy calibration

Wednesday, 11 May 2022 14:35 (15 minutes)

Presenter: BLONDEL, Alain (Universite de Geneve (CH))

Session Classification: Optics corrections and tuning studies