

HALHF Workshop –Oslo, Norway

HALHF Workshop

Oslo, 4–5 April 2024



Report of Contributions

Contribution ID: 1

Type: **not specified**

Conventional #2

Contribution ID: 2

Type: **not specified**

Welcome

Thursday 4 April 2024 09:30 (5 minutes)

Presenter: ADLI, Erik (University of Oslo (NO))

Session Classification: Opening session

Contribution ID: 3

Type: **not specified**

Opening the HALHF Workshop

Thursday 4 April 2024 09:35 (10 minutes)

Presenter: FOSTER, Brian (University of Oxford (GB))

Session Classification: Opening session

Contribution ID: 4

Type: **not specified**

Considerations from P5

Thursday 4 April 2024 09:45 (25 minutes)

Presenter: HOGAN, Mark

Session Classification: Opening session

Contribution ID: 5

Type: **not specified**

HALHF overview and updates

Thursday 4 April 2024 10:10 (35 minutes)

Presenter: Dr LINDSTRØM, Carl A. (University of Oslo (NO))

Session Classification: Opening session

Contribution ID: 6

Type: **not specified**

Discussion #3: To be confirmed

Session Classification: Discussion session

Contribution ID: 7

Type: **not specified**

Discussion #1: How to achieve self-contained simulations

Friday 5 April 2024 09:00 (1h 15m)

Session Classification: Discussion session

Contribution ID: 8

Type: **not specified**

Discussion #2: RF technology choice

Friday 5 April 2024 09:00 (1h 15m)

Session Classification: Discussion session

Contribution ID: 9

Type: **not specified**

Update on European Strategy

Session Classification: Closing session

Contribution ID: **10**

Type: **not specified**

Workshop/discussion summary

Friday 5 April 2024 11:55 (20 minutes)

Presenters: Dr LIST, Benno (Deutsches Elektronen-Synchrotron (DE)); Dr LINDSTRØM, Carl A. (University of Oslo (NO))

Session Classification: Closing session

Contribution ID: **11**

Type: **not specified**

Next steps for HALHF

Friday 5 April 2024 12:15 (10 minutes)

Presenter: D'ARCY, Richard (DESY)

Session Classification: Closing session

Contribution ID: 12

Type: **not specified**

Introduction to the PWFA session

Thursday 4 April 2024 11:15 (15 minutes)

Presenter: ADLI, Erik (University of Oslo (NO))

Session Classification: Subsystem session

Contribution ID: 13

Type: **not specified**

Resonant emittance mixing of flat beams in plasma accelerators

Thursday 4 April 2024 11:30 (30 minutes)

Presenter: THEVENET, Maxence

Session Classification: Subsystem session

Contribution ID: 14

Type: **not specified**

Achromatic staging and nonlinear plasma lenses

Thursday 4 April 2024 12:00 (30 minutes)

Presenter: DROBNIAK, Pierre (University of Oslo)

Session Classification: Subsystem session

Contribution ID: 15

Type: **not specified**

Considerations of warm RF linacs

Thursday 4 April 2024 16:30 (30 minutes)

Presenter: Dr LIST, Benno (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Subsystem session

Contribution ID: **16**

Type: **not specified**

Considerations of superconducting RF linacs

Thursday 4 April 2024 16:00 (30 minutes)

Presenter: WALKER, Nicholas (DESY)

Session Classification: Subsystem session

Contribution ID: 17

Type: **not specified**

RF structure optimization

Thursday 4 April 2024 17:00 (20 minutes)

Presenter: SJØBÆK, Kyrre Ness (University of Oslo)

Session Classification: Subsystem session

Contribution ID: **18**

Type: **not specified**

Positron production for HALHF

Session Classification: Subsystem session

Contribution ID: **19**

Type: **not specified**

Radiation reaction in HALHF plasma stages

Thursday 4 April 2024 13:45 (20 minutes)

Presenter: KALVIK, Daniel

Session Classification: Subsystem session

Contribution ID: 20

Type: **not specified**

Transverse instabilities in HALHF

Thursday 4 April 2024 14:05 (25 minutes)

Presenter: CHEN, Jian Bin Ben (University of Oslo (NO))

Session Classification: Subsystem session

Contribution ID: 21

Type: **not specified**

Progress and roadmap of PWFA experiments

Thursday 4 April 2024 14:30 (20 minutes)

Presenter: WOOD, Jonathan Christopher (Deutsches Elektronen-Synchrotron DESY)

Session Classification: Subsystem session

Contribution ID: 22

Type: **not specified**

Overview on Physics and Detector

Thursday 4 April 2024 14:50 (15 minutes)

Presenter: LIST, Jenny (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Subsystem session

Contribution ID: 23

Type: **not specified**

Plans towards an asymmetric detector for HALHF

Thursday 4 April 2024 15:05 (25 minutes)

Presenter: LAUDRAIN, Antoine (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Subsystem session

Contribution ID: 24

Type: **not specified**

Close-out

Friday 5 April 2024 12:25 (5 minutes)

Presenter: FOSTER, Brian (University of Oxford (GB))

Session Classification: Closing session

Contribution ID: 25

Type: **not specified**

Converging on design changes (plenary discussion)

Friday 5 April 2024 10:45 (1 hour)

Session Classification: Discussion session