

AWAKE Collaboration Meeting - 11-13 March 2024



Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Monday, 11 March 2024 14:00 (10 minutes)

Presenter: WELSCH, Carsten Peter (Cockcroft Institute / University of Liverpool)

Session Classification: Welcome

Contribution ID: 2

Type: **not specified**

Introduction

Monday, 11 March 2024 14:10 (10 minutes)

Presenter: MUGGLI, Patric (Max Planck Institute for Physics)

Session Classification: Welcome

Contribution ID: 3

Type: **not specified**

AWAKE: An Experiment at CERN with an International Collaboration and a Well-Defined Program of Work

Monday, 11 March 2024 14:20 (35 minutes)

Presenter: GSCHWENDTNER, Edda (CERN)

Session Classification: AWAKE External Review Summary

Contribution ID: 4

Type: **not specified**

The Next AWAKE Runs: Technological Advancements, Scientific Merit and Expected Parameter Reach

Monday, 11 March 2024 14:55 (30 minutes)

Presenter: MUGGLI, Patric (Max Planck Institute for Physics)

Session Classification: AWAKE External Review Summary

Contribution ID: 5

Type: **not specified**

Review Report

Monday, 11 March 2024 15:25 (10 minutes)

Presenter: GSCHWENDTNER, Edda (CERN)

Session Classification: AWAKE External Review Summary

Contribution ID: 6

Type: **not specified**

Update on the analysis of ion motion

Monday, 11 March 2024 15:55 (20 minutes)

Presenter: TURNER, Marlene (CERN)

Session Classification: Run 2b, part I

Contribution ID: 7

Type: **not specified**

A statistical method to analyze streak camera images

Monday, 11 March 2024 16:15 (20 minutes)

Presenter: CALDWELL, Allen (Max-Planck-Institut für Physik (DE))

Session Classification: Run 2b, part I

Contribution ID: 8

Type: **not specified**

Update on emittance measurements of the accelerated electron bunch

Monday, 11 March 2024 16:35 (20 minutes)

Presenter: COOKE, David Andrew (University of London (GB))

Session Classification: Run 2b, part I

Contribution ID: 9

Type: **not specified**

Discussion

Monday, 11 March 2024 16:55 (20 minutes)

Session Classification: Run 2b, part I

Contribution ID: **10**

Type: **not specified**

A hosing mitigation experiment

Tuesday, 12 March 2024 09:00 (20 minutes)

Presenter: MOREIRA, Mariana (CERN)

Session Classification: Simulations

Contribution ID: 11

Type: **not specified**

Wakefield-driven filamentation of warm beams in plasma

Tuesday, 12 March 2024 09:20 (20 minutes)

Presenter: WALTER, Erwin

Session Classification: Simulations

Contribution ID: 12

Type: **not specified**

LCODE 3D: A New Open-Source Tool for 3D PWFA simulations

Tuesday, 12 March 2024 09:40 (20 minutes)

Presenter: Mr OKHOTNIKOV, Nikita (BINP, NSU)

Session Classification: Simulations

Contribution ID: 13

Type: **not specified**

Clustering of macroparticles in PWFA simulations and solutions to this problem

Tuesday, 12 March 2024 10:00 (30 minutes)

Presenter: LOTOV, Konstantin (Budker Institute of Nuclear Physics (RU))

Session Classification: Simulations

Contribution ID: 14

Type: **not specified**

Discussion

Tuesday, 12 March 2024 10:30 (20 minutes)

Presenter: FARMER, John Patrick (MPP / CERN)

Session Classification: Simulations

Contribution ID: 15

Type: **not specified**

Preparing for Run 2b

Tuesday, 12 March 2024 11:10 (20 minutes)

Presenter: ZEVI DELLA PORTA, Giovanni (CERN)

Session Classification: Run 2b, part II

Contribution ID: 16

Type: **not specified**

Upgrades of the Rb Vapour Source

Tuesday, 12 March 2024 11:30 (20 minutes)

Presenter: Dr BERGAMASCHI, Michele (Max-Planck-Institut für Physik/CERN)

Session Classification: Run 2b, part II

Contribution ID: 17

Type: **not specified**

Plans and preparations for external electron injection experiments in Run 2b (2024)

Tuesday, 12 March 2024 11:50 (20 minutes)

Presenter: VAN GILS, Nikita (PARTREC, UMCG, University of Groningen, Groningen, The Netherlands)

Session Classification: Run 2b, part II

Contribution ID: **18**

Type: **not specified**

Discussion

Tuesday, 12 March 2024 12:10 (20 minutes)

Session Classification: Run 2b, part II

Contribution ID: 19

Type: **not specified**

Recent updates on the Run 2b diagnostics

Tuesday, 12 March 2024 13:50 (20 minutes)

Presenter: PAKUZA, Collette (CERN)

Session Classification: Run 2b, part III

Contribution ID: **20**

Type: **not specified**

ChDR BPMs

Tuesday, 12 March 2024 14:10 (20 minutes)

Presenter: SPEAR, Bethany (University of Oxford (GB))

Session Classification: Run 2b, part III

Contribution ID: 21

Type: **not specified**

Getting the laser ready for the 2024 run

Tuesday, 12 March 2024 14:30 (20 minutes)

Presenter: RANC, Lucas Alexei

Session Classification: Run 2b, part III

Contribution ID: 22

Type: **not specified**

Electron spectrometer measurements and resolution

Tuesday, 12 March 2024 13:30 (20 minutes)

Presenter: PANNELL, Fern (University College London)

Session Classification: Run 2b, part III

Contribution ID: 23

Type: **not specified**

Progress update on emittance diagnostics for run 2c

Tuesday, 12 March 2024 14:50 (20 minutes)

Presenter: SWAIN, Catherine (University of Liverpool)

Session Classification: Run 2b, part III

Contribution ID: 24

Type: **not specified**

Getting ready for Run 2c

Wednesday, 13 March 2024 09:50 (20 minutes)

Presenter: GURAN, Eloise (CERN)

Session Classification: Run 2c/d, part I

Contribution ID: 25

Type: **not specified**

CNGS dismantling

Wednesday, 13 March 2024 10:10 (20 minutes)

Presenter: PARDONS, Ans (CERN)

Session Classification: Run 2c/d, part I

Contribution ID: 26

Type: **not specified**

The new electron source, prototype and first results

Wednesday, 13 March 2024 10:30 (20 minutes)

Presenter: DOEBERT, Steffen (CERN)

Session Classification: Run 2c/d, part I

Contribution ID: 27

Type: **not specified**

Talk 22

Session Classification: Run 2c/d, part I

Contribution ID: **28**

Type: **not specified**

LLRF for AWAKE Run 2c

Wednesday, 13 March 2024 11:10 (20 minutes)

Presenter: PEPITONE, Kevin

Session Classification: Run 2c/d, part II

Contribution ID: 29

Type: **not specified**

Laser lines for Run 2c

Wednesday, 13 March 2024 11:30 (20 minutes)

Presenter: MARTINEZ CALDERON, Miguel (CERN)

Session Classification: Run 2c/d, part II

Contribution ID: **30**

Type: **not specified**

Update on the development of scalable plasma sources at CERN

Wednesday, 13 March 2024 12:20 (20 minutes)

Presenter: SUBLET, Alban (CERN)

Session Classification: Run 2c/d, part II

Contribution ID: **31**

Type: **not specified**

Diagnosis of a discharge plasma source

Wednesday, 13 March 2024 12:40 (20 minutes)

Presenter: COBO, Claudia (Imperial College London)

Session Classification: Run 2c/d, part II

Contribution ID: **32**

Type: **not specified**

Talk 27

Session Classification: Run 2c/d, part III

Contribution ID: **33**

Type: **not specified**

Talk 28

Session Classification: Run 2c/d, part III

Contribution ID: 34

Type: **not specified**

Report from the Publication Committee

Wednesday, 13 March 2024 13:00 (10 minutes)

Presenter: ZEVI DELLA PORTA, Giovanni (CERN)

Session Classification: Close-out

Contribution ID: 35

Type: **not specified**

Summary from the Collaboration Board

Wednesday, 13 March 2024 13:10 (10 minutes)

Presenter: CALDWELL, Allen (Max-Planck-Institut fur Physik (DE))

Session Classification: Close-out

Contribution ID: 36

Type: **not specified**

Betatron emission studies

Wednesday, 13 March 2024 09:30 (20 minutes)

Presenter: SABERI, Hossein

Session Classification: Simulations

Contribution ID: 37

Type: **not specified**

Update on the BPM study for Run 2c

Wednesday, 13 March 2024 12:00 (20 minutes)

Presenter: STANT, Laurence

Session Classification: Run 2c/d, part II

Contribution ID: **38**

Type: **not specified**

Discussion / AOB

Session Classification: Close-out

Contribution ID: 39

Type: **not specified**

Reliability improvements of the photocathode production

Wednesday, 13 March 2024 11:50 (10 minutes)

Presenter: ROSSEL, Ralf Erik (CERN)

Session Classification: Run 2c/d, part II