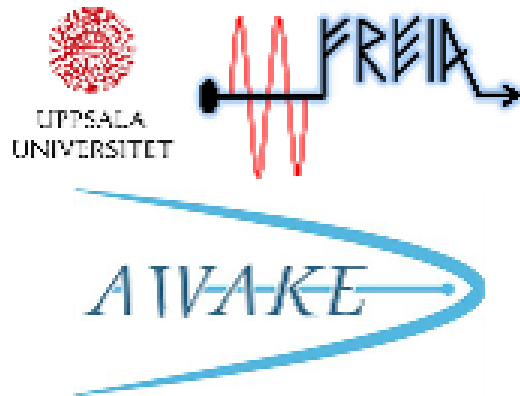


# **AWAKE Collaboration Meeting 25 - 26 April 2023**



## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Welcome from Kévin

*Tuesday 25 April 2023 09:05 (5 minutes)*

**Presenter:** PEPITONE, Kevin

**Session Classification:** Welcome

Contribution ID: 2

Type: **not specified**

## Introduction

*Tuesday 25 April 2023 09:10 (10 minutes)*

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

**Session Classification:** Welcome

Contribution ID: 3

Type: **not specified**

## Welcome from the Physics Prefekt

*Tuesday 25 April 2023 09:00 (5 minutes)*

**Presenter:** BRENNER, Richard

**Session Classification:** Welcome

Contribution ID: 4

Type: **not specified**

## **Progress towards emittance with the AWAKE spectrometer**

*Tuesday 25 April 2023 09:20 (15 minutes)*

**Presenter:** PANNELL, Fern (University College London)

**Session Classification:** Run 2a results

Contribution ID: 5

Type: **not specified**

## Place holder

*Tuesday 25 April 2023 11:00 (15 minutes)*

**Session Classification:** Run 2a results

Contribution ID: 7

Type: **not specified**

## **Emittance Compensation of Extracted Electron Beam from the AWAKE Plasma Source**

*Tuesday 25 April 2023 09:40 (15 minutes)*

**Presenter:** BARZEGAR, Sahar

**Session Classification:** Run 2a results

Contribution ID: 8

Type: **not specified**

## **Manuscript presentation: Development of the SM instability of a relativistic proton bunch in plasma**

*Tuesday 25 April 2023 10:40 (15 minutes)*

**Presenter:** VERRA, Livio (CERN)

**Session Classification:** Run 2a results



Contribution ID: 9

Type: **not specified**

## **Preparation for Run 2b —run-coordination**

*Tuesday 25 April 2023 13:30 (10 minutes)*

**Presenter:** ZEVI DELLA PORTA, Giovanni (CERN)

**Session Classification:** Run 2b preparation

Contribution ID: **10**

Type: **not specified**

## **Status of the discharge source and measurement program**

*Tuesday 25 April 2023 13:45 (15 minutes)*

**Presenter:** SUBLET, Alban (CERN)

**Session Classification:** Run 2b preparation

Contribution ID: 11

Type: **not specified**

## Density step plasma source and measurement program

*Tuesday 25 April 2023 14:05 (15 minutes)*

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

**Session Classification:** Run 2b preparation

Contribution ID: 12

Type: **not specified**

## Run 2b diagnostics

*Tuesday 25 April 2023 14:25 (10 minutes)*

**Presenter:** SENES, Eugenio (CERN)

**Session Classification:** Run 2b preparation

Contribution ID: 13

Type: **not specified**

## **Beam-line optimisation algorithms**

*Tuesday 25 April 2023 14:40 (15 minutes)*

**Presenter:** BENCINI, Vittorio (John Adams Institute for Accelerator Science (GB))

**Session Classification:** Run 2b preparation

Contribution ID: 14

Type: **not specified**

## Place holder

*Tuesday 25 April 2023 15:20 (15 minutes)*

**Session Classification:** Run 2b preparation

Contribution ID: 15

Type: **not specified**

## Electron source prototype

*Wednesday 26 April 2023 09:00 (15 minutes)*

**Presenter:** DOEBERT, Steffen (CERN)

**Session Classification:** Run 2c

Contribution ID: 16

Type: **not specified**

## CNGS dismantling

*Wednesday 26 April 2023 09:20 (15 minutes)*

**Presenter:** PARDONS, Ans (CERN)

**Session Classification:** Run 2c



Contribution ID: 17

Type: **not specified**

## **Strategy towards reliable beam instrumentation for Run 2c**

*Wednesday 26 April 2023 09:40 (15 minutes)*

**Presenter:** MAZZONI, Stefano (CERN)

**Session Classification:** Run 2c

Contribution ID: **18**

Type: **not specified**

## **Status of the mTCA based low level RF system**

*Wednesday 26 April 2023 10:00 (15 minutes)*

**Presenter:** PELCKMANS, Kristiaan

**Session Classification:** Run 2c

Contribution ID: **19**

Type: **not specified**

## **Status of the S-band and X-band power amplifiers**

*Wednesday 26 April 2023 10:40 (15 minutes)*

**Presenter:** Dr DANCILA, Dragos

**Session Classification:** Run 2c

Contribution ID: **20**

Type: **not specified**

## **Beam instrumentation development for run2c**

*Wednesday 26 April 2023 11:00 (15 minutes)*

**Presenter:** Dr WOLFENDEN, Joseph (University of Liverpool)

**Session Classification:** Run 2c

Contribution ID: 21

Type: **not specified**

# Neural networks enhanced phase space tomography

*Wednesday 26 April 2023 11:20 (15 minutes)*

**Presenter:** BENCINI, Vittorio (John Adams Institute for Accelerator Science (GB))

**Session Classification:** Run 2c

Contribution ID: 22

Type: **not specified**

## Place holder

*Wednesday 26 April 2023 11:40 (15 minutes)*

**Session Classification:** Run 2c

Contribution ID: 23

Type: **not specified**

## Report from the publication committee

*Wednesday 26 April 2023 15:45 (15 minutes)*

**Presenter:** ZEVI DELLA PORTA, Giovanni (CERN)

**Session Classification:** Close-out

Contribution ID: 24

Type: **not specified**

## Summary of Collaboration board meeting

*Wednesday 26 April 2023 16:00 (15 minutes)*

**Presenters:** CALDWELL, Allen (Max-Planck-Institut fur Physik (DE)); WING, Matthew (University College London); MUGGLI, Patric (Max Planck Institute for Physics)

**Session Classification:** Close-out



Contribution ID: 25

Type: **not specified**

## Social Dinner

*Tuesday 25 April 2023 19:30 (2h 30m)*

Contribution ID: 26

Type: **not specified**

## Update on Schlieren measurements in the Rb plasma

*Tuesday 25 April 2023 10:20 (15 minutes)*

**Presenter:** DEMETER, Gábor

**Session Classification:** Run 2a results

Contribution ID: 27

Type: **not specified**

## ChDR BPMs

*Tuesday 25 April 2023 15:00 (15 minutes)*

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

**Session Classification:** Run 2b preparation

Contribution ID: 28

Type: **not specified**

## Overview of simulation tasks for Run 2c

*Wednesday 26 April 2023 13:30 (20 minutes)*

**Presenter:** FARMER, John Patrick (MPP / CERN)

**Session Classification:** Simulations

Contribution ID: 29

Type: **not specified**

## **Laser-assisted injection from a foil**

*Wednesday 26 April 2023 13:55 (15 minutes)*

**Presenter:** Dr WILSON, Thomas (University of Strathclyde)

**Session Classification:** Simulations

Contribution ID: **30**

Type: **not specified**

## **Filamentation studies**

*Wednesday 26 April 2023 14:15 (15 minutes)*

**Presenter:** WALTER, Erwin (Max Planck Society (DE))

**Session Classification:** Simulations

Contribution ID: 31

Type: **not specified**

## **Ion motion in the plasma discharge source**

*Wednesday 26 April 2023 15:05 (15 minutes)*

**Presenter:** TURNER, Marlene (CERN)

**Session Classification:** Simulations

Contribution ID: 32

Type: **not specified**

## **Simulation of a linear density gradient in the second plasma section**

*Wednesday 26 April 2023 15:25 (15 minutes)*

**Presenter:** Mr OKHOTNIKOV, Nikita (BINP, NSU)

**Session Classification:** Simulations