

# **AWAKE Collaboration Meeting April 2021**



## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Welcome and Introduction

*Tuesday, 20 April 2021 14:00 (5 minutes)*

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

**Session Classification:** Collaboration Meeting

Contribution ID: 2

Type: **not specified**

## News from CERN

*Tuesday, 20 April 2021 14:05 (5 minutes)*

**Presenter:** GSCHWENDTNER, Edda (CERN)

**Session Classification:** Collaboration Meeting

Contribution ID: 3

Type: **not specified**

## Physics Program for Run 2a 2021

*Tuesday, 20 April 2021 14:10 (15 minutes)*

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

**Session Classification:** Collaboration Meeting

Contribution ID: 4

Type: **not specified**

## Run Coordination for Run 2a

*Tuesday, 20 April 2021 14:30 (10 minutes)*

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

**Session Classification:** Collaboration Meeting

Contribution ID: 6

Type: **not specified**

## Beam line studies for Run 2a and Run 2c

*Tuesday, 20 April 2021 15:00 (10 minutes)*

**Presenter:** RAMJIAWAN, Rebecca Louise (University of Oxford (GB))

**Session Classification:** Collaboration Meeting

Contribution ID: 7

Type: **not specified**

## Beamline error and alignment studies for Run 2c

*Tuesday, 20 April 2021 15:10 (10 minutes)*

**Presenter:** RAMJIAWAN, Rebecca Louise (University of Oxford (GB))

**Session Classification:** Collaboration Meeting

Contribution ID: 8

Type: **not specified**

## Electron source for Run 2c

*Tuesday, 20 April 2021 15:25 (10 minutes)*

**Presenter:** ARNESANO, Jordan Matias (CERN)

**Session Classification:** Collaboration Meeting



Contribution ID: 9

Type: **not specified**

## SPS beam, RF Synchronization, LLRF

*Tuesday, 20 April 2021 15:40 (10 minutes)*

**Presenter:** WOOLLEY, Ben (CERN)

**Session Classification:** Collaboration Meeting

Contribution ID: **10**

Type: **not specified**

## **Beam instrumentation for Run 2**

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

**Session Classification:** Collaboration Meeting

Contribution ID: **11**

Type: **not specified**

## **Laser/photocathode activities and update for Run 2**

*Tuesday, 20 April 2021 16:35 (15 minutes)*

**Presenter:** PANUGANTI, Harsha (CERN)

**Session Classification:** Collaboration Meeting

Contribution ID: 12

Type: **not specified**

## Update on the vapour source

*Tuesday, 20 April 2021 16:50 (10 minutes)*

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

**Session Classification:** Collaboration Meeting

Contribution ID: 13

Type: **not specified**

## Update on scalable plasma source studies

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

**Session Classification:** Collaboration Meeting

Contribution ID: 14

Type: **not specified**

## Update on the CNGS dismantling study

*Tuesday, 20 April 2021 17:05 (10 minutes)*

**Presenter:** GURAN, Eloise Daria (Ministere des affaires etrangeres et europeennes (FR))

**Session Classification:** Collaboration Meeting

Contribution ID: 15

Type: **not specified**

## **RP simulations for the CNGS dismantling**

*Tuesday, 20 April 2021 17:15 (10 minutes)*

**Presenter:** NOWAK, Elzbieta (CERN)

**Session Classification:** Collaboration Meeting

Contribution ID: **16**

Type: **not specified**

## Discussion

*Tuesday, 20 April 2021 17:25 (5 minutes)*

**Session Classification:** Collaboration Meeting



Contribution ID: 17

Type: **not specified**

## **Experimental and numerical study of SM early along the bunch**

*Wednesday, 21 April 2021 14:15 (15 minutes)*

**Presenter:** BACHMANN, Anna-Maria (Max-Planck-Institut fur Physik (DE))

**Session Classification:** Collaboration Meeting

Contribution ID: **18**

Type: **not specified**

## **Numerical and experimental study of SM with plasma density gradient**

*Wednesday, 21 April 2021 14:30 (15 minutes)*

**Presenter:** MORALES GUZMAN, Pablo Israel (Max-Planck-Institut fur Physik (DE))

**Session Classification:** Collaboration Meeting

Contribution ID: **19**

Type: **not specified**

## **Experimental and numerical study of on-axis injection**

*Wednesday, 21 April 2021 14:45 (15 minutes)*

**Presenters:** COOKE, David Andrew (University of London (GB)); FARMER, John Patrick (MPP / CERN)

**Session Classification:** Collaboration Meeting

Contribution ID: 20

Type: **not specified**

## **Experimental and numerical study of the detailed incoming bunch parameters on SM**

*Wednesday, 21 April 2021 15:00 (15 minutes)*

**Presenters:** HAFYCH, Vasyl (Max-Planck-Institut fur Physik (DE)); FARMER, John Patrick (MPP / CERN)

**Session Classification:** Collaboration Meeting

Contribution ID: **21**

Type: **not specified**

## Discussion

*Wednesday, 21 April 2021 15:25 (15 minutes)*

**Session Classification:** Collaboration Meeting

Contribution ID: 22

Type: **not specified**

## Simulation studies for Run 2c injection tolerances

*Wednesday, 21 April 2021 16:10 (10 minutes)*

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

**Session Classification:** Collaboration Meeting

Contribution ID: 23

Type: **not specified**

## **Long range propagation of an ultra-short, ionizing laser pulse in a resonant non-linear medium**

*Wednesday, 21 April 2021 15:15 (10 minutes)*

**Presenter:** DEMETER, Gábor (Wigner Research Center for Physics)

**Session Classification:** Collaboration Meeting

Contribution ID: 24

Type: **not specified**

## **Numerical study of electron bunch seeded proton bunch modulation**

*Wednesday, 21 April 2021 15:55 (10 minutes)*

**Presenter:** MOON, Kook-Jin (UNIST)

**Session Classification:** Collaboration Meeting



Contribution ID: 25

Type: **not specified**

## **Laser assisted electron injection in plasma wakefield. Toy simulation.**

*Wednesday, 21 April 2021 16:25 (10 minutes)*

**Presenter:** PUKHOV, Alexander (University of Dusseldorf)

**Session Classification:** Collaboration Meeting

Contribution ID: 26

Type: **not specified**

## Ultimate plasma wakefield acceleration with 400 GeV proton driver

*Wednesday, 21 April 2021 16:40 (10 minutes)*

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

**Session Classification:** Collaboration Meeting

Contribution ID: 27

Type: **not specified**

## Update on scalable plasma source studies

*Wednesday, 21 April 2021 14:00 (10 minutes)*

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

**Session Classification:** Collaboration Meeting

Contribution ID: 28

Type: **not specified**

## Beam instrumentation for Run 2

*Tuesday, 20 April 2021 16:20 (10 minutes)*

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

**Session Classification:** Collaboration Meeting