

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 für 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: SUBLLET, 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