

Session Program

20-21 Apr 2021



AWAKE Collaboration Meeting April 2021

Collaboration Meeting

Wednesday 21 April

14:00

Collaboration Meeting: Run 1 Session

14:00–14:10 **Update on scalable plasma source studies**

Speaker

Alban Sublet

14:15–14:30 **Experimental and numerical study of SM early along the bunch**

Speaker

Anna-Maria Bachmann

14:30–14:45

Numerical and experimental study of SM with plasma density gradient

Speaker

Pablo Israel Morales Guzman

14:45–15:00 **Experimental and numerical study of on-axis injection**

Speakers

David Andrew Cooke, John Patrick Farmer

15:00–15:15

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

Speakers

Vasyl Hafych, John Patrick Farmer

15:15–15:25

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

Speaker

Gábor Demeter

15:25–15:40 **Discussion**

15:45

15:55

Collaboration Meeting: Simulations Session

15:55–16:05 **Numerical study of electron bunch seeded proton bunch modulation**

Speaker

Kook-Jin Moon

16:10–16:20 **Simulation studies for Run 2c injection tolerances**

Speaker

John Patrick Farmer

16:25–16:35 **Laser assisted electron injection in plasma wakefield. Toy simulation.**

Speaker

Alexander Pukhov

16:40-16:50

Ultimate plasma wakefield acceleration with 400 GeV proton driver

Speaker

Konstantin Lotov

17:00

17:00

17:30

Collaboration Meeting: Summaries

Session