



Max-Planck-Institut für Physik
(Werner-Heisenberg-Institut)



28/05/2019

31st AWAKE PEB Meeting:

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MAX-PLANCK-GESELLSCHAFT
P. Muggli, PEB 18/05/2019

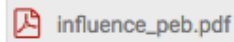


LAST TIME (03/01/19)



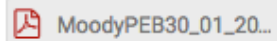
09:00 → 09:10 **Sensitivity of wakefields to initial bunch parameters (simulations)**

Speaker: Mariana Moreira (Universidade de Lisboa (PT))



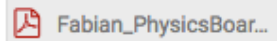
09:15 → 09:25 **Propagation of laser pulse in Rb vapor**

Speaker: Joshua Timothy Moody (Max-Planck-Institut für Physik (DE))



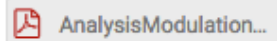
09:30 → 09:40 **Micro-bunching phase stability, transition SSM-SMI**

Speaker: Mr Fabian Batsch (CERN)



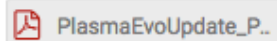
09:45 → 09:55 **Characterization of the SMed proton bunch**

Speaker: Anna-Maria Bachmann (Technische Universität Muenchen (DE))



10:00 → 10:10 **Plasma density decay measurements**

Speaker: Spencer Gessner (CERN)

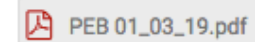


10:15 → 10:25 **Hose instability results**

Speaker: Mr Huether Mathias (MPP)

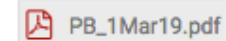
10:30 → 10:40 **Analysis of e- energy gain results Part 1**

Speaker: Marlene Turner (CERN)



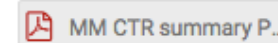
10:45 → 10:55 **Analysis of e- energy gain results Part 2**

Speaker: James Anthony Chappell (University of London (GB))



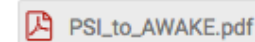
11:00 → 11:10 **Analysis of CTR data**

Speaker: Mikhail Martyanov (Max-Planck-Institut für Physik (DE))



11:15 → 11:35 **e- spectrometer characterization with stripped ion beam**

Speaker: David Andrew Cooke (University of London (GB))



11:40 → 12:00 **Discussion**





THIS TIME




09:00 → 09:10 **Intro**

Speaker: Patric Muggli (Max Planck Institute for Physics)

09:10 → 09:30 **Experimental results on electron acceleration**

Speaker: Marlene Turner (CERN)

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09:35 → 09:55 **Plasma density ramp and other simulation results**

Speaker: Hossein Saberi (Institute for Research in Fundamental Sciences (IR))

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10:00 → 10:20 **Accelerating field enhancement due to ion motion**

Speaker: Konstantin Lotov (Budker Institute of Nuclear Physics (RU))

10:25 → 10:45 **Report on the European strategy meeting and AWAKE plans**

Speakers: Allen Caldwell (Max-Planck-Institut für Physik (DE)), Edda Gschwendtner (CERN)

10:50 → 11:10 **AOB**

Speaker: Dr All All (All)



NEXT TIME(S)



- ✧ Update on papers ...
- ✧ Massimo Ferrario (LNF): small e^- beams for injection into plasma wakefields
- ✧ Amrutha Gopal (U. Jena): plasma density diagnostic for wakefields
- ✧ Suggestions welcome ...

Next PEB July 5, 2019