

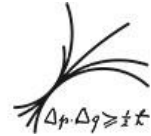
Wigner Research Center for Physics / Max Planck Institute for Physics

AWAKE workshop

"Laser plasma generation for particle acceleration" , April 08.2016



Wigner Research Center for Physics,
29-33. Konkoly Thege str., Budapest
1121 Hungary



Program

9:30-9:45. G. Djotyan (Wigner RCP): Introduction and overview.

9:45-10:00. A. Czitrovsky (Wigner RCP): Laser Physics at Wigner Research Center.

10:00- 10:30. P. Muggli (MPP): Laser source for extremely homogeneous plasma generation at Max-Planck-Institute for Physics.

10:30 -11:00: Coffee break

11:00 -11.30. M. Kedves (Wigner RCP): Laser plasma generation and real-time diagnostics at Wigner Research Center.

11:30 -12:00. J. Moody (MPP): Results on laser plasma generation at Max-Planck-Institute for Physics.

12:00-12:30. Anna-Maria Bachmann (MPP): Laser plasma radius measurement.

12:30 -13:45. Lunch

13:45-14:45. Visit to the Wigner Laser Lab (B. Raczkevi)

14:45-15:15. J. Kasparian (University of Geneva): Filamentation of ultrashort laser pulses.

15:15-15:45. G. Demeter (Wigner RCP): Solving the Maxwell-Bloch equations of resonant nonlinear optics on computers.

15:45-16:15. Mathias Hüther (MPP): Laser Damage Measurements.

16:15-16:45. Coffee break

16:45 - 17:15. I. Barna (Wigner RCP): An effective theory for electron acceleration in underdense plasma.

17:15 - 17:45. M. Pocsai (Wigner RCP): *Ab initio* studies of Rubidium ionization processes.

17:45-18:30. Roundtable: Summary and Discussions

Dinner