

2nd Wigner/MPP AWAKE workshop: Laser plasma generation for particle acceleration

Wigner Research Centre for Physics, Budapest 2017. May 05.

Program

9:15-9:30. Gagik Djotyan. Introductory remarks

9:30-9:45. Péter Lévai: Wigner Research Center: Research directions

9:45-10:15. Patric Muggli: Summary of the first SMI results of AWAKE

10:15-10:45: Coffee break

10:45-11:15. Béla Ráczkevi: Laser plasma diagnostics in rubidium vapor cell

11:15-11:45. Joshua Moody: First Full Scale Laser Propagation Results Through the 10 Meter Rb Vapor Source at AWAKE

11:45-12:15. Chen Lin: Recent progress of Compact laser plasma Accelerator (CLAPA) at Peking University

12:15-12:45. Anna-Maria Bachmann. Determination of the plasma frequency

12:45-13:45. Lunch

13:45-14:30. Visit to the Wigner Laser Lab (Miklós Kedves)

14:30-15:00. Gábor Demeter: Modeling the interaction of ionizing laser pulses with rubidium atoms for the AWAKE project

15:00-15:30. Andrea Armaroli: Efforts for modeling dispersive non-linear polarizability

15:30-16:00. Mikhail Martyanov: Proposal of plasma ionization front propagation diagnostic

16:00-16:30. Coffee break

16:30-17:00. Mihály Pocsai: Ionization of rubidium with ultrashort intense laser pulses

17:00 - 17:30. Fabian Batsch: "Interferometer-based white light measurement of neutral rubidium density and gradient at AWAKE".

17:30- 18:00. Mathias Hüther: "Concept of SMI-seeding with an electron bunch"

18:00-18:45. Round table discussions

Dinner: 19.15-22.15