

Minutes of RESULTS, PITZ Physics Seminar, 27.03.2014

Project: PITZ

Participants: M. Krasilnikov, J. Good, G. Pathak, T. Rublak, M. Gross, I. Isaev, D. Malyutin, P. Boonpornprasert, G. Vashchenko, G. Asova, M. Otrevel, B. Lei.

Agenda:

- 1) P. Boonpornprasert, "Simulation of Undulator Radiation for the THz Source Project at PITZ", Rehearsal for DPG-conference
- 2) J. Good, "Ionization laser optics design for the generation of plasma", Rehearsal for Master defence.
- 3) RC.

Results:

- 1) Calculation of electron beam Momentum for different APPLE/II gaps and different undulator wavelength between 20 and 40 mm had been made, wavelength of radiation 5, 10 and 20 μm . (PB)
- 2) Simulation of undulator length for wavelength of 20 $\mu\text{m} = 4\text{ m}$ and for 100 $\mu\text{m} = 2\text{ m}$. (PB)
- 3) Possible set-up for laser plasma excitation had been found. (JG)
- 4) Simulation of excitation limits using MATLAB had been done. (JG)
- 5)

Next steps:

What is to be done?	By whom?	Until when?	Done on
Cathode laser beam measurement at vc2 with pinhole 1.2 mm	M. Gross, T. Rublack	a.s.a.p.	

Protocol prepared by
T. Rublack, 27.03.2014
(Name, Date)