

## Minutes of PPS, 07.08.2014

Project: PITZ

Participants:

F. Stephan, G. Vashchenko, M. Gross, G. Asova, P. Boonpornprasert, I. Isaev, D. Malyutin, J. Goods, L. Bifeng, G. Pathak, and our new members:

1. Renier Yves
2. Holger Huck
3. Carlos Hernandez

### Agenda:

- 1) L. Bifeng: Summary of the work at PITZ (September 2013 – August 2014)
- 2) D. Malyutin: Rehearsal for the PhD thesis defence in the title: “Time resolved transverse and longitudinal phase space measurement at the high brightness photo injector at PITZ”

### Results:

1. - Summary of courses at HU Berlin was presented.  
- The works about ASTRA simulations for Plasma cell at PITZ were presented.

#### Comments

- a. The beam energy at each position of the beamline in the simulations have to clarified.
- b. The limitation of practical QMs focusing strength should be checked.
2. Comments
  - a. 32 minutes was used in the presentation,
  - b. Problem with using of the word “your” in the speaking.
  - c. Present more about the motivation.
  - d. Use the word “time resolved measurement” instead of “bunch length” in the slide #4.
  - e. The RF deflector is developed by I&R. This information should be added in the slide #6.
  - f. Explain that what does the word “TDS” mean?
  - g. For the slide #11, make the layout more general because PITZ isn’t intrudoce yet
  - h. Explain that what does the word “ART” mean?
  - i. Include table of the laser and electron beam parameters for each measurement.

### Next steps:

| What is to be done?                                                                                                   | By whom?  | Until when? | Done on |
|-----------------------------------------------------------------------------------------------------------------------|-----------|-------------|---------|
| Studies on sensitivities of the electron beam parameters to the efficient of energy modulation inside the plasma cell | G. Pathak |             |         |
|                                                                                                                       |           |             |         |

Protocol prepared by  
P. Boonpornprasert, 07.08.2014