

## Minutes of RESULTS, PITZ Physics Seminar, 18.4.2013

Project: PITZ

Participants. Mikhail Krasilnikov, Frank Stephan, Anne Oppelt, Igor Isaev, Galina Asova, Matthias Gross, Martin Khojyan, Georgios Kourkafas, Gaurav Pathak, Barbara Marchetti, Grygorii Vashchenko, Dmitriy Malyutin, Mikhail Nozdrin, Prach Boonpornprasert and 2 guest students

### Agenda:

- 1) R. Martin, “Characterization of the Transverse Profile of the PITZ Photocathode Laser”
- 2) M. Krasilnikov, “Physics and Application of High Brightness Beams: Toward a Fifth Generation Light Source”, ()
- 3) B. Marchetti, “Summary of HBEB Workshop”

### Results:

- 1) - Algorithm for automatic AOI definition was developed.  
- Characterization of parameters (general form of laser spot, statistical distribution of inhomogeneities and spatial distribution of inhomogeneities) was done.  
- Next works : study impact of the suggested parameters on emittance, high resolution measurement of quantum efficiency distribution of the photocathode
- 2) Overview some presentations from HBEB-2013.
- 3) Overview some presentations from HBEB-2013.

### Next steps:

What is to be done?	By whom?	Until when?	Done on
DESY open day	M. Krasilnikov A. Oppelt I. Isaev R. Martin G Galina Dmitry		2 June 2013

Protocol prepared by  
Prach Boonpornprasert, 18.04.2013