

Minutes of RESULTS, PITZ Physics Seminar, 20.08.2015

Project: PITZ

Participants: G.Vashchenko, F. Stephan, M. Krasilnikov, H. Huck, O. Lishilin, G. Loisch, G. Pathak, J.D. Good, I. Isaev, T. Rublack, P. Boonpornprasert, summer students

Agenda:

- 1) Talk of G. Vashchenko for FEL 2015: “Emittance measurements with the gun and laser operated close to E-XFEL start-up conditions” (rehearsal)
- 2) G. Pathak “Results from gas density measurement for plasma cell”
- 3) J. Good “Camera spectral filtering”
- 4) H. Huck, Recent TDS measurements
- 5) AOB: annual PITZ Betriebsausflug

Results:

- 1) Talk given by GV for FEL2015; suggestions from the audience given for optimization
- 2) G.Pathak:
 - a. first measurements of the density measurements in the plasma cell performed: using hook’s and spectral methods. Measurements after adding of 6.5g Li shows better spectral dependence on the temperature
 - b. Kapton windows are destroyed after dismounting (and atmosphere exposure), new kapton windows are in preparation
- 3) J. Good: Filter for flickering frames
- 4) H. Huck: Bunch length dependence for 100pC bunch vs. booster phase – measurements vs. simulations.

Next steps:

What has to be done ?	By whom ?	Until when?	Done on
Correction suggested by audience for FEL2015	G.V.	Before talk	
Measure density of the plasma in the plasma cell in the lab	G.P.	Monday, 24.08 noon	

Protocol prepared by
M.Krasilnikov, 20.08.2015