

Minutes of RESULTS, PITZ Physics Seminar, 01.11.2012

Project: PITZ

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Agenda:

- 1) PITZ Colloquium talks: G. Kourkafas, "Improvement of the tomographic reconstruction procedure at PITZ"; I. Isaev, "Multipacting simulation for the PITZ RF photo gun"; D. Kalantaryan "My current activity"; M. Khojojan, "Simulations for 3D ellipsoidal laser shape at InC: current status"; M. Gross, "Studies for particle driven plasma acceleration at PITZ"; G. Vashenko, "Emittance optimization for various machine parameters at PITZ for 250 pC bunch charge".
- 2) Y. Ivanisenko, "CDS booster operation program".

Results:

- 1) See the talks for the status of the activity of the Pitz group members;
- 2) First version of the procedure for the CDS booster measurements is described in the talk of Yevgeniy: comments from the group have suggested some changes/improvements collected by Yevgeniy;

Next steps:

What is to be done?	By whom?	Until when?	Done on
Long time discussion about tomography is planned after the arrival of Galina. An email will be sent to invite the group.	Georgios	First half of November	
Ask Nicoleta (HH) about how the alignment procedure and the calculation of booster transport matrix is performed at FLASH.	Marek		
Who wants to join the workshop about plasma acceleration that takes place on the 29 th of November must communicate it to Frank within today	everyone	today	
It should be clarified why the optimization of the 250 pC bunch coincides with a low gradient setup for the booster. E.g.: is space charge effect not dominating because of the long pulse length and small charge so the acceleration does not help anymore (compared to the InC case)?	Grigorij		
Write down a list of the main points	Grigorij		

(agreement/disagreement) concerning the comparison between simulations and measurements, including suggestion for further measurements.			
Get in contact with HH in order to perform some measurements with LOLA to add to the PhD thesis	Dmitriy		

Protocol prepared by
Barbara Marchetti, 1.11.2012