

Minutes of RESULTS, PITZ Physics Seminar, 09.02.2016

Project: PITZ

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Agenda:

- 1) M. Gross: Simulation of new beamline between BSA and cathode
- 2) Q. Zhao: Simulation of beam asymmetries
- 3) M. Krasilnikov: - “Solenoid Imperfections modelling” -

Results:

1. Simulations leave doubts whether new 4f, XFEL-like beamline will improve laser imaging
2. Representation of coupler fields with an additional overlaying skew quad field show agreement with experimental data; quadrupole field centered at the solenoid position gives different results
3. Quad field in solenoid field can reproduce a skew/rotation in the wings of the asymmetry; cases are not consistent for different solenoid focusing
4. Magnetostatic simulation of solenoid shows asymmetry

What is to be done?	By whom?	Until when?	Done on
Check status of beamline components with Kundoch	TR		

Protocol prepared by
G. Loisch 2016.02.09