

Minutes of PITZ Physics Seminar, 30.01.2013

Participants:

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Agenda:

- 1) RC meeting (M.Krasilnikov)
- 2) Space-Charge matching of the FODO Lattice Using the Smooth -approximation Theory (G.Kourkafas)
- 3) Emittance Growth in the matching Section (G.Kourkafas)

Results:

- 1)
 - Booster firmware problem was solved.
 - Bugs in FastScan3 were solved.
 - QE maps were measured.
 - Thermal emittance measurement plan was announced.
 - Laser BBA was done several times.
 - Kapton foil test was done. Electron beam still scattered strongly.
 - Screen position was moved after server restarted.
 - Momentum measurement summary
 - DC measurement and $T_{\text{gun, res}}$ measurement were done.
- 2) Smooth-approximation theory can be combined with MAD to get a space-charge compensated matching of the FODO lattice.
- 3) Emittance growth in the matching section with difference focusing strength was studied.

Next steps:

What is to be done?	By whom?	Until when?	Done on

Protocol prepared by Prach Boonpornprasert
30.01.2014