

Minutes of RESULTS, PITZ Physics Seminar, 16.06.2016

Project: PITZ

Participants: F. Stephan, M. Gross, I. Isaev, Y. Renier, H. Huck, A. Oppelt, M. Krasilnikov, I. Rybakov, J. Good, Q. Zhao, P. Boonpornprasert, G. Loisch, S. Rimjaem, Sargsyan, Zanyan, D. Dettmann

Agenda:

- 1) I. Rybakov: Estimation of Multipacting in CDS Booster
- 2) M. Krasilnikov: Field measurements of gun 4.6

Results:

- 1) Simulations suggest that multipacting can take place in the cut disks of the booster cavity but not for the oxygen free Cu which was used for the structure
- 2) Measurement program to be prepared with V. Paramonov
- 3) Measurements to verify field balance plots for gun 4.6 to be conducted
- 4) RF2 output scaling factor can, in combination with high setpoint gradients, mean dangerous preamplifier output power → a warning and an automatic switchoff are implemented, which protect the klystron from overpowering
- 5) DOOCS history misses some ILs, if this is seen, report to controls group
- 6) RF flattop length lower than 50us will produce ILs at high power because high reflection at pulse end will be inside of the strobe
- 7) Updated slides of PITZ status for workshop at BESSY until 1st of July (commissioning, TDS, 3D laser, plasma acceleration)

Next steps:

What is to be done ?	By whom ?	Until when?	Done on
ORC FB to be put in operation with RF group		On Mo 20.6.	

Protocol prepared by: G. Loisch

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(Name, Date)