

Minutes of RESULTS, PITZ Physics Seminar, 28.04.2016

Project: PITZ

Participants: F. Stephan, M. Krasilnikov, O. Lishilin, T. Rublack, G. Loisch, T. Rublack, D. Dettmann, A. Oppelt, H. Huck, Y. Renier, J. Good, Q.Zhao, S.Weisse

Agenda:

- 1) S. Weisse, "EmWiz-2016a"
- 2) F.Stephan, RC (short kind of update)
- 3) M.Krasilnikov, Update emittance and QE analysis 2015 data
- 4) AOB

Results:

1. New version of EmWiz was presented (test version 2016a). Drift length is now part of the must-haves. Tests to be scheduled as soon as beam is produced.
2. Gun resonance temperature SP changed remarkably at currently reached power levels. To be observed and adjusted.
3. - Emittance depends not only on QE but is also very sensitive to the steering.
 -Coupler / solenoid kick studies to be intensified; more simulations for core shape understanding needed (Igor, Quantang).
 - Drop of measured QE due to transparency decrease of vacuum view port to be considered in the presentation of QE (e.g. error bar on last point).
4. - Due to the new group structure, the content of your publications (e.g. conference contributions) have to be agreed with your group leader (Mikhail, Anne). Thus, the paper should be distributed 4 weeks before the submission deadline to them and the co-authors. (2 weeks later is goes to the collaboration board.)
 - GO is enabled in Mikhails group (electronic holiday requests etc.).

What is to be done?	By whom?	Until when?	Done on
1.1. Find an easy way to implement L_drift for the 3 EMSY stations (automatic calculation) within the .must files	S.Weisse	a.s.a.p	
1.2. Test new EmWiz version (beam needed)	S.Weisse	2 nd half of June	
1.3. Next steps: algorithm to find actuator range for beamlet scans (calibration); preset maximum beamlet; automatic gain adjustment; 1 print button 'report to logbook'	S.Weisse + some physicists		

Protocol prepared by A.Oppelt

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