

Minutes of RESULTS, PITZ Physics Seminar, 05.11.2015

Project: PITZ

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Agenda:

- 1) RC
- 2) Planning the Gun 4.2 report: distributing tasks
- 3) AOB

Results:

- 1) Fixed some emittance and brightness calculations from previous RC. No definite conclusion yet about what conditions yield highest brightness, except that 1 nC and 4 nC are worse than 500 pC.
- 2) TDS short: magnetic fields of about $H_0=50$ kA/m are obtainable at 1 nC.
- 3) Main purpose of gun4.2 report is to collect information for internal reference.
- 4) MK will provide a *Word* template to be used for the report.
- 5) Deadline for report contributions is 15th of December.

Next steps:

What is to be done?	By whom ?	Until when?	Done on
Report4.2: RF conditioning	YR	Dec. 15	
Report4.2: Dark current	GV	Dec. 15	
Report4.2: e-beam momentum	MK	...	
Report4.2: transv.PS	GV/PB/GK/YR		
Report4.2: Cathodes	MK		
Report4.2: RF system	WK+HH...		
Report4.2: Lasers	MG/TR/JG		
Report4.2: RF gun stability	MK/JS		
Report4.2: Imperfections	MK/QZ/IgI		
Report4.2: TDS	HH/PB		
Report4.2: Plasma	MG		
Report4.2: PITZ beamline and gun history	AO		

Protocol prepared by H. Huck
05.11.2015