

## Minutes of RESULTS, PITZ Physics Seminar, 10.04.2014

Project: PITZ

Participants: D.Riecher, M.Krasilnikov, D.Kalantaryan, I.Isaev, J.Goods, G.Kourkafas, G.Asova, M.Gross, G.Pathak, M.Otevrel, M.Khojoyan, D.Malyutin, L.Bifeng, B.Petrosyan, F.Stephan, G.Trowitzsch, P.Boonpornprasert, G.Vaschenko

### Agenda:

- 1) D.Kalantaryan, "*TINE subscriber for MATLAB*"
- 2) G.Trowitzsch, "*Discussion about AFS measurement data*"
- 3) M. Khojoyan, Paper review "*Formation and acceleration of uniformly filled ellipsoidal electron bunches obtained via space-charge-driven expansion from a cesium-telluride photocathode*"
- 4) G.Pathak, Paper review "*Ultralow emittance electron beams from a laser-wakefield accelerator*"
- 5) I.Isaev, "*SINEMP meeting*"
- 6) RC
- 7) AOB

### Results:

- 1) - Matlab function, *Tine\_subscriber*, is created.  
- For now, this function is valid only for string data and the Tektronix scope.
- 2) New scheme of AFS data collection is introduced.
- 3) -
- 4) -
- 5) -
- 6) - Conditioning the gun with the new cathode spring is started.  
- Current status (Thursday morning), 6.6MW at 50us in the gun.
- 7) -

### Next steps:

What is to be done?	By whom?	Until when?	Done on
Use <i>Tine_subscriber</i> with PhasescanGUI.m	G.Vaschenko		
Lecturer for summer student			
Note about the stability measurement	I.Isaev		
Quarterly report of PhD students			

Protocol prepared by  
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(Name, Date)