

Minutes of RESULTS, PITZ Physics Seminar, 13.10.2016

Project: PITZ

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1) Agenda: Y. Chen, X.Li

2) Results:

- a. (FLASH, PITZ) Charge profile along bunch train not flat.
- b. (FLASH) Spike always shown in the beginning of emission. Higher power gets higher spike. Spike depend on laser intensity and RF
- c. (PITZ) Imperfection of laser intensity profile.
- d. QE drops along the bunch train.
- e. PMT needs to be further checked.
- f. LT increases, train slope becomes more flat.
- g. Q train slope depend on laser energy and RF power (charge density).
- h. Schotthy effect was considered.
- i. The laser intensity changes along the bunch train at each BSA.
- j. Lower RF frequency gets lower ICT offset.
- k. ICTs were calibrated at 10 Hz and cable losses were gotten.
- l. The RF frequency does not significant for the cable loss.

What is to be done?	By whom?	Until when?	Done on
The camera gain and camera transmission should be checked.	Y. Chen		
PMT measurement	Y. Chen		
Beam damp need to be prepared for the measurement.	Y. Chen		
The wake field and beam cut should be checked.	X.Li		
Gun gradient and solenoid strange should be varied and considered.	X.Li		
The effect of the position changing of the scope	X.Li		
The cable length in the tunnel should be checked.	X.Li		

Protocol prepared by N.Chaisueb
on 20.10.2016