

Minutes of RESULTS, PITZ Physics Seminar, 26.01.2016

Project: PITZ

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Agenda:

- 1) G. Vashchenko “Emittance simulations versus gun gradient”
- 2) AOB

Results:

1. Gaussian cathode laser profile of the photocathode laser and various gun gradients (from 45MV/m through 53MV/m to 60MV/m) were used for the ASTRA simulations
2. Average slice emittance for optimized projected emittance case is higher for the optimized booster gradient than for the fixed one
3. The averaged mismatched parameter is smaller for the optimized booster gradient

Next steps:

What is to be done?	By whom?	Until when?	Done on
Check the same studies for the flattop profile			
Slice emittance measurements to be commissioned as soon as possible – first results to be discussed	H. Huck	Next PPS	

Protocol prepared by
M. Krasilnikov, 26.01.2016