

## Minutes of RESULTS, PITZ Physics Seminar, 25.04.2013

Project: PITZ

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### Agenda:

- 1) Galina Asova: "Chromatic effects in quad scans @ PITZ"
- 2) Dmitriy Malyutin: "Longitudinal phase space tomography at PITZ part III"
- 3) run coordination

### Results:

- 1) ASTRA results for emittance are systematically bigger than analytical simulations, for beamsize they are smaller (space charge excluded in simulations)
- 2) MENT has serious problems reconstructing experimental data @HEDA1, Setup resolution needs to be understood
- 3) thresholds of e-detectors need to be adjusted, sensitivity of ADC's needs to be the same, changes in interlock need to be announced and checked

### Next steps:

What is to be done?	By whom?	Until when?	Done on
1) Documentation of chromatic effects simulations	G. Asova	?	
2) check scaling and binning in ART reconstruction	D. Malyutin		
2) compare with LEDA measurement	D. Malyutin		
2) check MENT reconstruction of ASTRA data with 50 iterations	D. Malyutin		
2) reconstruction of higher resolution data	D. Malyutin		
3) set history filters	?		
AOB: summer students shall test picture processing algorithms	?		

Protocol prepared by  
Igor Isaev, 21.02.2013