Minutes of RESULTS, PITZ Physics Seminar, 15.08.2013

Project: PITZ
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Agenda:
1)   Gun 4.3 report discussions.
2)   Summer student intermediate report
3)   AOB

Results:
1) Gun 4.3 report discussion.
   - 2 topics added
        - Study of resonance temperature vs. cathode position
        - Images of the RF spring

   - 1st part not ready yet,
        - Questions about how to report about the conditioning period
             - Conditioning, cathode changes, re-conditioning …
                  -> Compare in terms of the trip rate.
        - Questions about the "resonance temp. changes" enigma
             -> Just describe the situations
        - Phase stability measurements: not done no info
        - Cooling water from the 14 channels:
             - All (pressure, flow) … different even if NO RF. (1deg difference)
                  - Message from Joerg: calibration OK.
                  -> Check correlation temp vs. flowrate
                  -> Suggestion: exchange sensors and re-check.

   - 3st part Momentum,
        -> Fit for $p = f(P)$
        -> Suggestion: standard for LEDA measurements

   - 4th part: Emittance
        - How to comment double beam structure
             -> Show simulated phase space
        - Show some phase space at different solenoid current

   - 5th part: Cathodes
        - QEmap figure (MO)

   - 7th part: Laser
        - Put the schottky scans

- Most important charts show also in the "Introduction" chapter.

2) The intermediate report: Image filtering (VideoClient, Emcalc)
      -> Next steps: TOMO, MAMA/OMA, SliceEmit(?)

3) AOB:
      - All PhD students should inform the personal department at 14 days ahead their defense.
      - We should have a "Welcome package" for newcomers.

Next steps:

What is to be done?	By whom?	Until when?	Done on
Prepare final versions for Gun4.3 according the above mention comments	PITZ	September 1 (Sunday)	
Next PPS is 500th – prepare cake and coffee ☺	MK	Next week	

Protocol prepared by M. Otevrel, 15.08.2013