

Meeting Jorg, Yannis, Jean-Pierre and Frank, 4. June, 2004

Action items:

- Check with Gianluigi possibility of access in 3 weeks
- Check electric and water connections & interlocks of present BBLR
- Check if present BBLR power converter can be switched on
- Check that 'self' exists
- Check if Q kicker + damper leads to emittance growth

MD(s) without 1st BBLR:

- Tune sensitivity of final emittance with BBLR on and without BBLR
- Scraper at fixed amplitude. Kick beam with Q kicker to 1-2 sigma to cut part of the beam, then switch on damper to move beam back to nominal orbit, for fast measurement of diffusion rate
- 1000-turn data
 - vary distance wire-beam and determine decoherence
 - 2-dim. amplitude scan in x & y
 - try LHC tune? (may need adjustment of damper phase in the few cases where the damper should be used)
- beam & PMT lifetime vs. beam-wire distance (repeat 2002 experiment)

MD(s) with 2nd BBLR:

- measure final emittance with & without 2nd wire at optimum setting
- measure PMT vs. distance with & without 2nd wire at optimum setting
- change strength of 2nd wire by 10%, 20% and repeat the above two measurements
- change distance wire-beam by 1σ and repeat