

Notes from October 21, 2004 TeV BPM Upgrade Meeting
Stephen Wolbers

Gustavo Cancelo -- Further Progress

- Gustavo has made some changes to Echotek configuration files and is starting to make measurements on the teststand. The input is Jim Steimel's 36 beam pulses. Gustavo showed some slides from the diagnostic output and there was a long discussion of what was being plotted, what was missing, whether the plots showed what people expected, etc. Further updates and new results will be presented at the next meeting.

Jim Steimel -- Test stand measurements

- Jim showed some more results on his studies of beam position and resolution as a function of the number of bunches, the intensity, the pattern of bunches, etc. His slides may be found in AD doc #1407-v2, see the last two slides for updates.

- There are still a few mysteries or non-understood effects. These will be further investigated.

Jim Steimel -- Outline of a commissioning plan

- Jim showed a list of tasks required for commissioning. There are 5 tasks which must be finished, 2 that will come soon after and 3 more that are more along the lines of wishes for the future. The project should focus on the 5 required tasks for the commissioning of the A3 service building BPMs.

- The 5 required tasks are:

1. Closed orbit measurements.
2. First turn.
3. Turn by turn.
4. Diagnostics.
5. Calibrations.

- The 2 next tasks are:

1. "Safe" mode.
2. Narrowband closed orbit.

- The wish list is:

1. Short gate sampling mode.
2. Very fast abort buffer.
3. Wideband digitized down converted closed orbit.

- Jim's list can be found as AD doc #1421.
- After some discussion this plan was accepted.
- Jim will further develop the plan and future meetings will be devoted to detailed discussions.