

Minutes, 11/05/03 Tevatron BPM Upgrade Meeting
Stephen Wolbers

This set of minutes, and all future minutes, are or will be deposited in the Beams Document Database as document number 792.

The agenda as announced consisted of:

1. Report from Steve and Bob.
2. Reports from L2 managers.
3. AOB.

1. Bob and Steve:

- The project will be writing monthly reviews beginning now (October, 2003). A draft of this month's report was shown (and mailed to everyone). Each subproject leader will write a section that will be added to the overall report.
- A letter was received from Jeff Spalding and Vladimir Shiltsev concerning the requirements review and giving the next steps for the project. One issue that is raised is a review of the "key specification parameters for the design and the technical plan for the project." After some discussion we decided to continue to work hard to reach a design and to have a review near the end of November (likely Nov 24 or 25).
- The work on the wbs continues, thanks to everyone. The updates to the wbs will be necessary to understand what the project will take (in dollars and people) and to give an estimate of the timescales involved.

2. Subproject Leader Reports:

Jim Steimel:

- Jim has finished a draft of a document showing the data required in various buffers as part of understanding of the hardware/readout requirements. This will be iterated quickly and added to the Beams Doc DB.
- Jim is working on the "Anatomy of a closed orbit measurement"

- The hardware discussion meetings continue. These meetings have focussed on 3 architecture candidates:

Echotek
Damper Board
Brian Chase Board

There was a discussion of where we are now and how we will make a decision to achieve a final design. There was a discussion of capabilities, cost, other uses for the board, schedule, etc. These discussions (and investigations of the specific hardware) will continue in earnest since we need to make rapid progress here.

Brian Hendricks:

- Nothing new. Waiting on some information on the metadata required (from Jean Slaughter and Mike Martens, among others).

Margaret Votava:

- Thinking about the project plan and the time estimates for accomplishing various tasks.
- Reworking specification document for software and data format.

Vince Pavlicek:

- Looking for commercial boards that could be used for the TeV BPM system.

Rob Kutschke:

- Talking with Jim Patrick about Java applications and the controls system.
- Looking at and interpreting some of the damper board plots taken with beam before the shutdown.

3. AOB.

Dedicated hardware discussions continue, mostly in the Monday at 11 and Thursday at 2:30 timeslots in the Penthouse.

