

Minutes, 3/24/04 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. Report from Bob and Steve.

- Requisitions are moving along. The EchoTek order is placed and we are trying to get firm dates on the delivery of the first 4 modified boards. Once we have firm dates we will update our wbs to reflect these dates.

- The service building task force has done a fantastic job in looking through and documenting all 27 service buildings and locations for the Tev BPM upgrade system. A full report will be given next week, probably on Thursday April 1.

- The VME crate specification is now finished and is ready for sign-off. There was a question of how much the front is recessed given the tight space in many of the buildings and the number of cables connected to the front of the crate. The front is recessed a little and the cables will be dressed.

- We will be looking at the project's milestones and wbs in the next weeks and will update based on things like delivery dates, specification document dates, review dates, etc.

2. Reports from L2 Managers

Vince Pavlicek:

- Bill Haynes is working on the timing board. An internal review will be held soon. The layout is pretty far along.

- Some of the issues relevant to the front end will be discussed at the meeting on Thursday.

- Steve asked who in the project will be the expert on the EchoTek

board. In other words who is the Peter Prieto of this project. At the moment there is no answer to the question but we as a project have to ensure that such an expert (or experts) is identified and soon learns the necessary skills. Boards will be coming sooner than we think!

- Vladimir asked about the bench tests that are still needed to show the intensity dependence, among other things, of the BPM using the EchoTek and 53 MHz filter. Jim Steimel will actually set up and make that test within a month.

Margaret Votava:

- Margaret was busy with Temple review preparations.

- Luciano has submitted document 1067, the software design document for the front-end software. The document uses uml notation. (But most of it is in English, as far as I can tell.)

Brian Hendricks:

- A new version of the online software specification was released. Comments are welcome.

Rob Kutschke:

- Rob was absent but sent an email report: Here it is verbatim:

Most of the past week has been spent on BTeV TDR work which was completed Wed noon. The first draft of the offline soft specs will be available on Friday. I have done some more analysis of the data collected so far.

- There is a small bug fix in the material I showed last Wed but it does not change any of the conclusions.

- One data set I had not looked at before was the Mar 9 data which had a shot measured with both the damper board and the echotek. This is the only data we have with both the damper board and the echotek working properly. Everything looks fine.

- I have a few writeups underway which should be done early next week.

Technical Coordinator: Jim Steimel

- New beam synch events will be added during the next opportunity, probably a short (day or so) shutdown. We discussed the possibility of reading out the BPMs during a pbar only store (a rare occurrence).

- The commissioning plan draft will be discussed on Thursday March 25 at the 1:30 meeting.

- The pbar ends of the BPMs A35 and A36 are connected in the tunnel and are terminated in the service building A3. This was done with the knowledge and consent of the Tevatron Department. These are good candidate BPMs for prototyping our "Plan B" for measuring antiproton positions using timing.

- Jim will give a short status of the project at the Tevatron Department meeting this Friday, March 26.

### 3. AOB.

- There will not be a meeting next Monday, March 29.