

Minutes, 5/26/04 Tevatron BPM Upgrade Meeting
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The agenda as announced consisted of:

1. Report from Bob and Steve
(including new baseline schedule)
2. Update from Dehong on the teststand
3. Reports from subproject leaders
4. Report from Jim Steimel
5. AOB

1. Report from Bob and Steve.

- Nothing this week.

2. Reports from L2 Managers

Brian Hendricks:

- We had a short discussion about the need/requirement for a Turn-by-turn application to be a part of the TeV BPM upgrade. We discussed what such an application would do, what would be required of it, etc. It was thought that Roger Tokarek's TeV BPM TBT application is a good model for such an application. The question(s) left unanswered are whether Roger's application is good enough, will it function, etc. Jim and Brian have agreed to discuss this with Roger.

- Brian has read the offline software specification and has sent out comments. One issue to be resolved is how to handle the calibrations.

Rob Kutschke:

- Offline specification v4 has been released. Everyone should read and comment soon.

Margaret Votava:

- Luciano is back.

- The front-end design document is finished with the exception of the diagnostics and calibrations. Coding is proceeding.

- Software diagnostics are being thought about. This will mainly consist of trace buffers which can be used under expert control. In addition debug mode will be turned on early in the development and deployment of the software. A series of test programs will also be available. All of this will be written up soon.

Dehong Zhang:

- Continuing work on the VME driver. Thinking about how to test it before the modified EchoTek boards come in.

Mark Bowden:

- No new news from EchoTek on delivery dates for the modified boards. (Since the meeting Mark has heard from EchoTek that things are proceeding and there have been no holdups. We hope that means that the first 4 modified boards will show up in mid-June at the latest.)

- Thursday at 1:30 we will meet to discuss the Brian Chase hardware review.

Jim Steimel: Technical Coordinator Report

- The service buildings A3 through D4 (except C2, I think) have had the pbar cables pulled back and to the final TeV BPM crate positions.

- Jim has measured signal levels coming from the tunnel and will have a write-up soon for people to read and comment on.

- Jim is working with Dehong on the teststand. They are installing a signal generator, have locked the trigger to 53 MHz, and are trying to use R25 to measure the response.

- A discussion of fast-gate sampling (and probably other) modes is tentatively scheduled for Thursday June 3 at 1:30 P.M.

4. AOB.

- We had a short discussion about the main ring cables in the F sector. We all believe that we can use those cables for the Tevatron BPM upgrade as soon as the shutdown begins. We will make sure that all the necessary parties know this in case there are any issues we are not aware of.

- We will pursue the BLM status again.