

Minutes, 1/07/04 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.

- Bob has developed a program (in Mathcad) to visualize the bunch locations and crossings in the Tevatron. It has been deposited in the Beams Doc DB #959.

- The Damper Board is active again taking measurements in the Tevatron. It is connected to the outputs from BPM A15. This BPM output is split and the scope will be connected to the other set of outputs.

- The Recycler BPM, set up to process the 53 MHz frequency, is attached to the A14 BPM pickup outputs. There is ongoing work to optimize the setup.

- The old Echotek setup has been requested by the Tevatron Department to be reconnected somewhere. This will be done once a location is decided.

- We are still awaiting the final report from the December 16 BPM review.

- We are preparing the requisition for the Echotek boards, including the supporting documentation. It is hoped that we can get the requisition into the system sometime this week.

- There are two reviews coming -- the Temple review on Jan 20-22 and the DOE review on Feb 24-26. We will be participating in both of the reviews and will learn the details soon, we hope.

2. Reports from L2 Managers

Margaret Votava:

- Margaret's group is starting to work on the Echotek software, becoming more familiar with it, etc.

- The current version of the wbs has a FE software review on January 23. Given the need for more information about calibration and diagnostics it was thought that this review date should be delayed some.

- A meeting is to be held Wednesday, Jan 7, to discuss getting ACNET into FCC for the teststand.

Jim Steimel:

- Jim showed some empirical results from the Tevatron BPM pickup simulation that he has been working on. The model uses some measurements (from Jim Crisp) and reflections included. Jim showed some results which in some cases were quite interesting and encouraging. Jim will continue work and will be thinking of using a teststand with a Tevatron BPM to compare against the simulations.

Mark Bowden:

- Mark is working on the text for the supporting documents for the Echotek requisition.

Brian Hendricks:

- Brian was on vacation for the holidays and is getting up to speed.

Rob Kutschke:

- Rob is restarting work on the Damper Board data.
- We talked a little about how to get the Recycler board data into a form that can be analyzed.

3. AOB.