

Minutes, 10/29/03 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:

- Bob, Steve and Mark Bowden attended a meeting on Tuesday afternoon which was dedicated to examining the final production version of the damper board. It was an interesting meeting and we learned some things about the board and how it might be used for the Tevatron BPM project.
- Steve gave a talk at the Tevatron Department meeting on Friday, October 24. The talk can be found in the Beams Doc DB #882 and from the Tev BPM web pages.
- There were two meetings in the past week concerning the current BPM system and the work that is going on there. Fritz Dejongh is working with Marv and others on the measurements and analysis.
- Focussed hardware discussions continue. A meeting was held on Monday and a followup on Tuesday Nov 4. Jim sent out mail with details.

2. Subproject Leader Reports:

Jim Steimel:

- The pbar signal extraction document is finished and has been deposited in the Beams Doc DB #884. It is the first draft and future versions will have information about simulations and actual validity using real beam signals.
- Jim is planning to write the "Anatomy of a closed orbit measurements" and "Anatomy of a turn by turn measurement."

Margaret Votava:

- Working on the BTeV review last week.
- Working with others to update the software specification document. Dinker Charak will be working on the TeV BPM project.
- Teststand work continues in FCC3.

Mark Bowden:

- Talked to Echotek. They are willing to update the "Recycler Board" with "no charge" to dual-port memory, Tundra VME. There is some question as to what "no charge" means in terms of the total cost of the board. They would also make the FPGA easier to program.

Rob Kutschke:

- Returned from vacation.
- Meeting with Jim Patrick to discuss Java interfaces, etc.

Mike Martens:

- Discussion of turn by turn measurements and how the beam oscillations affect the measurement and the requirements for the BPM system. Not clear yet how this affects the BPM system or whether it implies some other instrumentation for understanding this phenomena.

Brian Hendricks:

- Working on the software/data format document and welcomes more comments from everyone.

3. AOB.