

Minutes, 6/02/04 Tevatron BPM Upgrade Meeting
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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 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.

- Status of purchase orders/deliveries:

- VME crates: June 30 delivery expected
- Filters: Still in RFP stage
- Cables: A large set of cables for testing has arrived
- EchoTek: The H/W engineer has a board, the S/W engineer is waiting on a board, the software manual has been available since May 11, new versions of the VME driver is available.

2. Reports from L2 Managers

Mike Martens:

- Mike is looking at the hardware MOU and has a couple of comments.
- Mike is looking at the offline software specification document and the calibration document.
- We discussed the prospect of making a pbar measurement using the A1 EchoTek setup during a coming shot. This would be used to compare the de-embedding technique and the short gate sampling mode.

Margaret Votava:

- We discussed the possibilities for getting the information required to complete the front end software specifications for

diagnostics and calibrations.

Tim Kasza:

- There has not been any cable pull-backs in the service buildings recently. All buildings from A3 through D3 (except for B0 and D0) are finished.

- Stew Bledsoe is working on the timing board. The schematics are finished. The layout is done. Simulation is not yet finished. 5 pilot cards are going to be made in June.

Jim Steimel/Dehong Zhang: Test Stand

- Worked on the teststand, debugging the timing system with the help of Craig McClure. The firmware was modified to work at the Tevatron frequency and MDAT was disabled.

- A pattern generator is now available to make various measurements and to fake up coalesced and uncoalesced bunches. Two 53 MHz bandpass filters are being used in the setup.

- Also working on amplitude modulation to mock up betatron and synchrotron oscillations.

- R25 has been run on the teststand.

- New beam synch clocks for turn by turn and first turn measurements would be very useful. Jim will talk to Greg Vogel about getting an opportunity to enable these clock signals.

Jim Steimel: Technical Coordinator Report

- A discussion of short gate sampling mode is scheduled for Monday, June 7 at 11 A.M.

4. AOB.