

Minutes, 7/07/04 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
2. Reports from subproject leaders
3. AOB

1. Report from Bob and Steve.

- Filters. There is progress on procuring appropriate analog filters for the project. Three vendors are still working with us. Vince brought in the latest data from Lark, as well as a sample matched pair that was sent overnight from Lark. Measurements will be made on these samples to find out how they perform.

2. Reports from L2 Managers

Vince Pavlicek:

- Two Dawn VME crates have arrived and are being carefully looked at for mechanical and electrical capabilities. There is one change needed in the airflow at one place in the rack. There is some discussion of purchasing additional crates for the transfer line/NUMI BPM projects. Bakul will help gather information to see if this can be accomplished.

- A requisition for cables and connectors/adapters should be ready by the end of this week.

- One filter board is assembled and is being tested and a second one is being assembled. Measurements so far show 42 dB reflection and 1.3 dB insertion loss. The 1.3 dB insertion loss is not understood. Noise/crosstalk measurements are yet to be made.

- The timing card is being profiled and assembled. All parts are available and this should be completed this week.

- Three loaner modified EchoTek boards arrived last week. Everything works so far. Dehong is working to get the data into labview and is working out some technical issues that are preventing that. The VME driver is working as far as Dehong can tell. The Prep diagnostics

test seems to work.

Luciano Piccoli:

- Working on the Tevatron-specific part of the front end code. This is being integrated iwth the driver and is being tested on one of the test stands.

Rob Kutschke:

- Working to complete a note about data presented a couple of weeks ago.

- Needs to update the offline software specification to take into account a few last comments and the timescale for work.

- Talking to Margaret about calibrations.

- Marc Mengel might be available for console programming if required/requested.

Dehong Zhang:

- Working on the VME driver for the modified EchoTek boards.

- Has plans to run the acceptance/validation tests for the EchoTek boards on the 3 boards that we have in hand.

- There was some discussion of the strategy for accepting/approving the boards and how we move forward with the full order. Discussions will continue as we learn more about how to program and use the board.

- There is still a need to understand how we can reprogram the FPGA. Work continues there.

3. AOB.

- A task force meeting will be held Thursday July 8 at 1:30 in the Penthouse.