

Minutes, 4/29/04 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 Steve and Bob.
2. Reports from L2 managers.
3. Report from Dehong on EchoTek testing.
4. AOB.

1. Report from Bob and Steve.

- The filter specification is finished and has been turned over to Vince, Ken, Bill, Bob. The prototype filters ordered earlier have arrived and were measured. The impulse response is not as good as expected and therefore the filter specification has specific wording about this response requirement. About 1000 filters will need to be ordered (possibly more depending on the exact layout of the diagnostic boards). If there are 9 filters per diagnostic board and we purchase 150 diagnostic boards (one for each EchoTek board) then we will need 1350 filters.

2. Reports from L2 Managers

Dehong Zhang:

- The test plan writeup in AD doc 1114 has been updated with the most recent status and results.

- Dehong is running the Recycler EchoTek board tests that check various aspects of the board. He showed some results and there was some discussion about how to interpret the results. An update will be given next week.

Rob Kutschke:

- Rob has released a new note AD doc 1149. This document shows how to use the quadratic term to measure the electric center of the BPM. The results are consistent with the data that Jim showed on Monday.

Bob Forster/Mark Bowden:

- Bob asked about cables, cable lengths, locations, etc. It was agreed that Bob and Jim should get together to look at a typical service building and get a better feel for the layout.

- The VME crate bid closes Friday April 30. The crates should be ordered during the week of May 3.

- Mark mentioned that there are some questions about the use of smb instead of sma connectors with RF signals. The consensus that I heard at the meeting is that smb is just fine with 53 MHz signals.

Brian Hendricks:

- Brian has written responses to Jim S. about the online software specifications.

Margaret Votava:

- There was a followup meeting from the design review. The final comments are in hand and the design document will be updated next week.

Mike Martens:

- The BLM committee report is finished. There will likely be some impact on the Tev BPM project, depending on how the BLM upgrade will proceed. This should be known reasonably soon.

Jim Steimel: Technical Coordinator Report

- Marv Olson will coordinate the effort in the service buildings. Work has begun on releasing the antiproton (old Main Ring) cables in preparation to move them to the new Tev BPM electronics location.

- Other work includes moving the cable TV.

- The calibration specification document should be released the week of May 3.

4. AOB.