

Minutes, 8/27/03 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 meeting started with reports from all of the "L2" managers of the Tevatron BPM Upgrade Project. A short summary follows:

- Mike Martens. Mike is responsible for the requirements and has been working to finish up the current version (V3) of the requirements document. Mike mentioned some of the issues that he is still working on. Feedback to Mike is much appreciated and should be given to Mike as soon as possible.
- Jim Steimel. Jim is working with Vic Scarpine on making measurements and storing them for study and use by all. He has been taking raw and filtered BPM information from many beam conditions. He is working on how to extract the pbar signal. There was a discussion of where and how to store this data. Rob Kutschke has volunteered to find suitable space (backed-up) that everyone can access.
- Margaret Votava. Has read requirements documents and will feed back comments. It makes sense to send comments to the mailing list [tev-bpm-project@fnal.gov](mailto:tev-bpm-project@fnal.gov).
- Vince Pavlicek. Vince's group is working on a teststand with an Echotek board. We discussed the possibility of using the A1 setup in addition and looking at signals coming from the accelerator while the beam is still running.
- Brian Hendricks. Brian is analyzing all the applications for the BPM and BLM systems. He is thinking about which can be and should be used as-is and which should be rewritten.
- Rob Kutschke. Rob talked about the applications and how the end-user jobs feed into the requirements. He is spending time investigating all the different applications and how they are used, where the data is stored, what kind of data they use, etc.

The next part of the meeting was a short discussion of the project. Bob and Steve have talked with Jeff Spalding and are acting on the Sept 1 deadline from the DOE review. This led to some discussion of the requirements.

Finally we discussed measurements that can still be made before the

shutdown. Anyone who wants to see signals from the beam should get organized quite soon. The beam goes off Sept 8.

We also discussed the work that is needed in the tunnel during the shutdown of the Tevatron. It is thought that there are two things. First, there will be a careful look at the current BPM system to ensure that it is working properly and to fix anything which can be fixed. Second, cables will be hooked to both ends of the BPMs during the shutdown (does this affect the current BPM signals?). It is thought that all additional work will be on the surface and can be done while the beam is running.

Next week's meetings will be as follows:

Monday, September 1 : No meeting, holiday

Wednesday, September 3 : Mike Martens, Tev BPM requirements  
11:00 A.M. Penthouse

Thursday, September 4 : Brian Hendricks, Programming environment  
1:30 P.M. Penthouse