

Minutes, 10/15/03 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 will find out which task number in the Beams Division is appropriate for the Tev BPM project and send the information to the group. This task number will be used for purchases of "stuff". Effort will be handled somewhat differently. In CD, the effort will be captured by the CD effort reporting system. In BD it will be handled however BD does their effort reporting. It would be good to capture as much of the effort as we believe is legitimately part of the project in any case.
- Steve has been asked to give a short report at the Tevatron Dept. meeting on Friday, October 24. Steve will develop the talk and circulate it before then.
- The question of long-term support for the hardware and software developed by this project is an important part of the operation of the system into the future. The discussion of this important issue will be pursued with BD and CD management so that a clear and well-defined path can be defined and hopefully followed.
- A question of a "mini-review" of the Tev BPM design, or pre-design has been brought up recently. This led to an interesting discussion of the usefulness or appropriateness of such a review. We will pursue a review when the project is ready and will be open to discussions of other possibilities.

2. Subproject Leader Reports:

Vince Pavlicek:

- Vince showed some diagrams of a BLM board. Bill Haynes is working with Al Baumbaugh to ensure that the proper implementation

is achieved. There was some discussion of software drivers. This looks like a project that will proceed quickly.

- There is a teststand in CD with an Echotek card over at FCC. Dehong is working on the software. A question of the controller card was discussed and a version compatible with BD standard cards should be procured.

Margaret Votava:

- Working on BTeV preparing for the Temple review.
- Studying the class hierarchy of the Recycler BPM software.

Brian Hendricks:

- A new document, BD doc 860, has been released and should be read and commented by all who are interested. The document is concerned with ACNET metadata, data formats, etc. for the Tevatron BPMs. This is a working document and will be updated regularly as changes are made.

Rob Kutschke:

- There was a discussion of the damper board files that Rob has posted. Jean will talk to Eric James (the provider of the files) to see about getting them cleaned up and learning how best to use them.
- Rob will continue his cartoon talk on Thursday at 1:30 P.M.

Mike Martens:

- Mike is starting to prepare for the Tevatron startup. This includes discussions of smoothing orbits.
- Mike will work on updating the requirements document and will send it around when it is ready (with change bars).

Jim Steimel:

- Jim is writing a document giving an approach for extracting the pbar signal. When ready it will be placed in the Doc DB.
- The specification document will slowly grow as sections are added. In particular, calibration and monitoring sections will

be part of the document.

3. AOB.

- Thursday the 16th at 1:30 Rob Kutschke will give the second half of his talk.
- Monday the 20th at 11 there will be a talk by Tom Shea about the RHIC BPM system.