

Minutes, 4/15/04 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. Commissioning Plan: Jim Steimel
2. AOB

2. AOB.

The meeting began with a long-ranging discussion of the analog front-end, in particular the question of the design and specification and requirements of the diagnostic part of the system. Ken Treptow showed a diagram of a board which has 2 relays. These two relays allow for quite a large number of combinations of diagnostic signals into the Echotek front-end directly, into the BPM pickups, or both, on each channel. It looks at first glance that this will fulfill all of our diagnostic requirements. This does need to be spelled out and signed off on but it looks reasonably close.

There was a question of whether amplifiers will be required on the pbar signal path, given the current and future expected size of the pbar signal. After a fairly long discussion the answer was not found -- the board should be designed with a place for an amplifier. Further discussions will be used to decide whether it will be needed or not.

1. Commissioning Plan: Jim Steimel

Jim has placed the plan as it stands in the doc DB as doc #1116. Refer to that document for details that aren't covered in these minutes.

- Jim covered all of item 2 of the specification document. Item 2 covers all of the work that is done in the service buildings in preparation for commissioning the system. A few issues that came up include:

= Should we connect the pbar cables in the tunnel as soon as possible?

= 2 ethernet connections are needed for each crate. We need to tell AD networking that these requests are coming.

= The need for diagnostic applications analogous to the Recycler BPM electronics

applications.

2. AOB (again)

The next meeting to discuss the commissioning plan will likely be Thursday, April 22 at 1:30 P.M.