Draft Minutes of the July 30, 2003 BPM upgrade project

The purpose of the meeting was to get people working on the Tevatron BPM system together to discuss their present activities and/or roll in the effort. The effort was organized into two areas: effort on the current BPM system and effort on the BPM upgrade.

People working on the current BPM system:

Jean Slaughter - Coordination of recognizing, quantifying, and solving problems with current Tevatron BPM system. Problems include: modifying hardware and verifying performance, quantifying and debugging communications problems, upgrading the data archive system, adding offline analysis features.

Mark Averett - Diagnosis and repair of Multibus boards.

Alan Baumbaugh - Maintains all software on Multibus system.

Tim Bolshakov - Producing Java application for offline BPM data analysis, using data taken with SDA.

Fritz DeJongh - Modifying current hardware and verifying improved performance.

Mark Fischler, John Maraffino - Offline application to analyze BPM data to reveal bad BPMs and gross lattice errors.

Brian Hendricks - Maintains the library of functions used to access data from and control BPMs. Also maintains BPM/BLM display application (T39).

Mike Martens - Tevatron expert BPM user/operator. Improving orbit smoothing algorithm.

Marv Olsen - Hardware maintenance of current Tevatron BPM system. Maintains BPM diag- nostic applications (T37,T38,D40)

Judy Sabo - Board level repair of current BPM system.

Roger Tokarek - Maintains BPM beam orbit diagnostic application (T42) and turn-by-turn data aquisition application (W135).

People working on the BPM upgrade:

Steve Wolbers - Tevatron BPM upgrade project leader.

Bob Webber - Tevatron BPM upgrade deputy project leader, Beams/Instrumentation department head.

Mike Martens - BPM requirements coordinator.

Stephen Pordes - BLM requirements and specifications.

Jim Steimel - BPM specifications coordinator.

Warren Schappert - Quantifying performance of EchoTek and 200MHz FPGA cards on Tev BPMs.

Vince Pavlicek - BPM hardware design coordinator.

Mark Bowden - BPM hardware designer.

Margaret Votava - BPM data acquisition software coordinator.

Luciano Piccoli - BPM DAQ software designer.

Dehong Zhang - BPM DAQ software designer.

Brian Hendricks - Online software coordinator.

Rob Kutschke - Offline software coordinator.