

DRAFT for comment

Meeting Minutes: Booster BLM and BPM Front-End Processing Issues

1:30pm Monday, October 18, 2010

BTE Cooler Meeting Room

In Attendance:

Dennis Nicklaus, AD/Controls
Charlie Briegel, AD/Controls
Sharon Lackey, AD/Controls
Robert Goodwin, AD/Controls
Mike Sliczniak, AD/Controls
Todd Sullivan, AD/Proton Source
Craig Drennan, AD/Proton Source

Discussion:

Beam Loss Monitors

1. Craig Drennan opened the meeting with some slides reviewing how the new VME BLM Digitizer module works and described the various sums (integration intervals) that are derived currently from the BLM integrator output. He described and received input on which type of sum was used by which ACNET BLM application/plot.
2. Mike asked for clarification on the request for Snapshot plotting capability for the BLM data. Todd Sullivan gave an explanation of how Snapshot plots are used to monitor and tune the Booster. After the meeting Todd, Mike and Bob Goodwin spent some time in the AD Control Room for a demonstration of how plots are used.
3. Bob Goodwin stated that he had been giving some thought to the new requirements for plotting BLMs.
4. Craig Drennan made a request to have the draft BLM specification reviewed and feedback offered.

Beam Position Monitors

5. Todd Sullivan reported that the Snapshot plotting of the Beam Position Monitor data, digitized by the Turn-by-Turn VME system appeared to be working satisfactorily. Just before the meeting Charlie Briegel and Sharon Lackey had corrected an error in the code relating to starting plots at times other than $t=0$. Sharon stated that the corrected code was running in only one house (one processor) and asked Todd Sullivan for the go ahead to reboot all of the other nodes with the new code. Todd say to go ahead.

The meeting ended at 2:35pm and the Control Room Demonstration of the BLM plotting was completed by 3:00pm.

Another meeting has not been scheduled. Future meetings may be necessary to review software progress, and specify and arrange for testing and installation of hardware into the Booster Gallery.