

RHIC BPM Meeting

September 4, 2008

Minutes

Attendees: Mei Bai, Chris Degen, Justin Gullotta, Rob Michnoff, Michiko Minty, Bob Olsen, Gang Wang

1. Gang presented methods for analyzing the quality of BPM measurements. BPM turn-by-turn data were acquired while the beam was excited by the AC dipole. Each BPM measurement was then analyzed by:
 - Generating the χ^2 for a fit to the expected excitation frequency
 - Generating an FFT of the measured data and comparing with the excitation frequency.

Although the main purpose of this analysis was to eliminate bad BPM measurements from Mei and Gang's linear optics analysis, this technique may be very useful as an additional BPM system quality check.

The presentation is provided separately.