

Meeting minutes of Beam Stability Team for 6/18/2002:

Attendance: G. Decker, H. Friedsam, B. Lai

The turnout to the survey was very high: 11 ID beamlines (or 14 ID stations) and 3 BM beamline responded within a week. There is sufficient information for us to get started while waiting for other responses to come in. Most beamlines are not satisfied with beam stability at the sample, but they are not sure about whether the instability is caused by the source or the beamline optics, and have experiments that are difficult to be performed with the present level of stability. About half currently use some feedback mechanism, but most are willing to use APS service to diagnose beam stability.

Action items:

1. Start a web site (Decker) first with limited access.
2. Write up meeting minutes (Lai) and statistical summary of the survey result (Freidsam), and post them on the web site.
3. Start with first talking to D. Robinson at Sector 6 (MU-CAT) next week, then maybe talk to Bob Fischetti at Sector 23 (GM/CA) and Reinhard Pahl at Sector 14 (BioCARS).
4. Provide a list of questions to ask the CATs (Lai)
5. Send a second reminder to CATs that hasn't answered the survey (Lai)

Notes:

1. We should talk to CATs which are doing well and learn from their experience, while also talk to CATs which desperately needs help.
2. G. Decker is about to release a medm display of beamline steering, which should provide useful info of the storage ring BPMs and x-ray BPMs to the users
3. We can cross-correlate beamline motions with source BPMs to learn whether the beam motion is related to the storage ring or not.
4. Almost every beamline end with a Be window which is usually not that far from the sample. If a BPM can be incorporated into the chamber of the Be window, most beamline should have no problems for this change.