

NSLS-II Experimental Facilities Division  
Feb 23, 2009

**Mini-workshop on X-ray Beam Monitors  
Feb 26-27, 2009**

**Charge to the Participants**

The National Synchrotron Light Source-II (NSLS-II) which is planned to be built at Brookhaven National Laboratory has recently passed the Critical Decision 3 (CD3), and the start of construction is approved. The NSLS Team is now carrying out detailed engineering designs for many key accelerator and beamline components. The immediate goal for the spring of 2009 is to complete the front end designs which, in turn, require the XBPM designs to be defined to the extent that any future changes and upgrades can be easily implemented. We may also need to refine a cost estimate and to provide a high level of confidence that the ambitious design goals and anticipated performance parameters can be achieved.

We therefore wish to review the current state of the art in XBPM designs and consider ideas for future developments.

The participants of the mini-workshop are therefore asked

- to present their experiences and outline current performance, problems, solutions, successes and failures.
- to share development plans for the future and any opportunities for collaboration.
- to comment on the current NSLS-II XBPM plans and make suggestions.
- Last but not least, the participants are invited to comment on alternative choices and value engineering.

The mini-workshop includes a summary discussion and participants are expected to contribute to a written report (to be produced by NSLS-II staff) which should be submitted to the director of the NSLS-II Experimental Facilities Division, Qun Shen, on or before March 30th, 2009. We anticipate that copies of the presentations will be included as an Appendix to the report.