

FIRST ANNOUNCEMENT

XFEL Short Bunch Measurement and Timing Workshop

Stanford Linear Accelerator Center, July 26 – 30, 2004

This workshop will focus on the issues of measuring and synchronizing ultra-short bunches in linac-based FELs.

The workshop will take place from Monday July 26 to Friday July 30 at the SLAC site. Registration and a reception will be held Sunday evening July 25.

Three primary themes will be addressed at the workshop:

- Measurement techniques for the determining the electron bunch length and arrival time.
- Measurement techniques, theory and simulation for diagnosing spontaneous undulator and XFEL radiation to determine its temporal profile.
- Issues of timing and synchronization of ultra-fast lasers to the electron bunch and RF.

The format of the workshop will be to have a number of invited talks followed by an extensive discussion session with some brief contributed talks selected by the discussion group facilitators. Approximately one day will be given to each of the themes listed above, with the first day dedicated to overview talks introducing each topic, plus talks on recent results from short bunch measurements from the various facilities, the final day will be for workshop summaries.

An invitation to participate in this workshop is extended to you and your colleagues from

John Galayda, LCLS-SLAC
galayda@slac.stanford.edu

Joerg Rossbach, DESY-Uni. Hamburg
joerg.rossbach@desy.de

Questions regarding the program and additional suggestions for speakers or topics can be addressed to the workshop organizers

Jerry Hastings SSRL
jbh@slac.stanford.edu

Patrick Krejcik SLAC
pkr@slac.stanford.edu

Holger Schlarb DESY
holger.schlarb@desy.de

Attendance will be limited so please reply to this email as soon as possible if you, or colleagues suggested by you, would like to be included in future mailings for this workshop.

A second announcement and web site link will follow soon with a tentative program, registration particulars and further details regarding travel and accommodation.