



Synchrotron Radiation Center
University of Wisconsin-Madison
3731 Schneider Drive
Stoughton, WI 53589-3097

**Mini-Workshop on WiFEL Diagnostic Suite
August 13—14, 2008**

AGENDA (rev. 8/07/08)

Wednesday, August 13

08:30 – 08:45	Bisognano	Welcome
08:45 – 09:15	K. Jacobs	WiFEL project description
09:15 – 09:45	Kamps	BESSY diagnostics design
09:45 – 10:00		<i>Coffee break</i>
10:00 – 10:30	Dowell	Design Features of the Gun and Commissioning Experience of the LCLS Injector
10:30 – 11:00	Emma	LCLS update, esp. bunch compression
11:00 – 11:15		Discussion
11:15 – 12:00	Legg/Graves	WiFEL diagnostics topics and needs; Strawman layout
12:00 – 13:00		<i>Working lunch</i>
13:00 – 15:00		Discussion of measurements through BC1
15:00 – 15:15		<i>Coffee break</i>
15:15 – 17:00		Discussion of measurements through BC2
17:00 – 18:00		What are “Challenging” Diagnostics?
19:00		<i>Working Dinner, Madison</i>

Thursday, August 14

08:30 – 09:00	Krafft	Longitudinal diagnostics
09:00 – 09:30	Piot	Longitudinal charge density measurements
09:30 – 10:00		Discuss phase space measurement methods
10:00 – 10:15		<i>Coffee break</i>
10:00 – 12:00		Discuss phase space measurement methods
12:00 – 13:00		<i>Working lunch</i>
13:00 – 14:30		Beam Loss and Halos
14:30 – 15:00	Krafft	Beam position measurements
15:00 – 15:15		<i>Coffee break</i>
15:15 – 16:00		Potential Show stoppers
16:00 – 17:00		Summary and next steps
17:00		Adjourn

Participants

William Graves
Thorsten Kamps
Philippe Piot
Ken Jacobs
Kevin Kleman
Joe Bisognano
Geoffrey Krafft
Paul J. Emma
David H. Dowell
Bob Legg