

**Facility Advisory Committee (FAC) Meeting**  
**April 7-8, 2005**  
**Redwood Rooms, ROB, Bldg 48**

**AGENDA**

**Thursday, April 7<sup>th</sup> – Plenary**

*Location: Redwood Conference Rooms, Building 48*

7:30	Executive Session	
8:00	Welcome	J. Dorfan
8:15	Project Status Update, Charge to Committee	J. Galayda
8:30	Safety	M. Scharfenstein
9:00	Project Organization, Executive Status	M. Reichenadter
9:30	Injector/Linac Update	E. Bong
10:00	Laser Update	S. Gilevich
10:15	<i>Break</i>	
10:30	Undulator Systems Update	S. Milton
11:00	Photon Systems Overview	J. Arthur
11:30	Conventional Facilities Update	D. Saenz
12:00	<i>Lunch</i>	
1:00	Breakout Sessions (see <i>Breakout Session Agenda</i> )	
5:00	Executive Session ( <i>Redwood C/D</i> )	
7:00	Dinner – <i>TBD</i>	Committee and Speakers

**Breakout Session 1 – Design & Construction: Accelerator & Undulator Systems**

*Location: Redwood A, Building 48*

1:00	Injector Physics	C. Limborg
1:25	Collimation	J. Wu
1:50	Low Charge Working Point	P. Emma
2:10	AC Resistive Wall Wake Field – Measurement, Theory	K. Bane
2:30	Effect of AC Resistive Wall on SASE- Analytic Treatment	Z. Huang
2:50	Effect of Wake Field on SASE – Numerical Results	W. Fawley
3:10	Undulator Physics Requirements and Alignment	H-D. Nuhn
3:40	<i>Break</i>	
4:00	Installation Alignment, Magnetic Measurements and Fiducialization	R. Ruland
4:30	Undulator Cell Systems Integration Test Plan	M. White
5:00	Executive Session ( <i>Redwood C/D</i> )	

**Breakout Session 2 – Design & Construction: XTOD & Experiment Station Systems**

*Location: Redwood B, Building 48*

1:00	XTOD Layout and Diagnostic Systems	R. Bionta
1:30	X-Ray Low-Pass Mirror System	J. Arthur
2:00	Revised Endstation Systems Scope	S. Moeller
2:30	X-Ray Detector Development Program	J. Arthur
3:00	<i>Break</i>	
3:15	The PIXEL Project	J. Arthur
3:45	Discussion	
5:00	Executive Session ( <i>Redwood C/D</i> )	

**Breakout Session 3 – Controls**

*Location: Redwood C, Building 48*

1:00	Controls Overview	B. Dalesio
2:00	Integration with SLC	S. Allison
2:30	Undulator Controls	J. Stein
3:00	<i>Break</i>	
3:15	X-Ray Transport/Optics/Diagnostics Controls	S. Lewis
3:45	Physics Requirements and Technology Choices for LCLS Instrumentation & Controls	P. Krejcik
4:15	Discussion	
5:00	Executive Session ( <i>Redwood C/D</i> )	

**Breakout Session 4 – Design and Construction: Conventional Facilities**

*Location: Redwood D, Building 48*

1:00	Physics Requirements	J. Welch
1:30	Construction Organization and Schedule	D. Saenz
2:15	Sector 20 Design, Status	J.B. Folger
2:45	Magnet Measurement Facility	J. Sevilla
3:15	Construction Safety	R. Hislop
3:45	Geotechnical Report	J.B. Folger
5:00	Executive Session ( <i>Redwood C/D</i> )	

**Friday, April 8<sup>th</sup>**

*Location: See Room Location listings below*

<i>Time</i>	<i>Topic</i>	<i>Location</i>
7:30	Executive Session	Redwood C/D
8:00 -10:00	Breakout Sessions, continued (if necessary)	
10:00	Executive Session	Redwood CD
12:00	<i>Lunch</i>	
1:30	Executive Session	Redwood CD
4:00	Closeout – Plenary	Redwood Rooms