



LCLS Week – **SPRING** 2005  
April 4-6, 2005

## Agenda

### Monday April 4 – PLENARY SESSION

| Location: Redwood Rooms |   | Presenters    |
|-------------------------|---|---------------|
| 9:00                    | Welcome                                   | Dorfan        |
| 9:15                    | DOE Overview                              | Lee           |
| 9:45                    | LCLS Project Overview/ Status / Budgets   | Galayda       |
| 10:30                   | <i>Break</i>                              |               |
| 10:45                   | LCLS Project Management                   | Reichanadter  |
| 11:30                   | LCLS ES&H                                 | Scharfenstein |
| 12:00                   | <i>Lunch</i>                              |               |
| 1:30                    | Injector/Linac Systems Overview/Status    | Bong          |
| 2:00                    | Undulator System Overview/Status from ANL | Milton        |
| 2:30                    | XTOD System Overview/Status from LLNL     | Bionta        |
| 3:00                    | X-Ray End Station Overview/Status         | Moeller       |
| 3:30                    | <i>Break</i>                              |               |
| 4:00                    | Conventional Facilities Overview/Status   | Saenz         |
| 4:30                    | Controls Overview/Status                  | Dalesio       |
| 7:00                    | <i>TBD</i>                                |               |



LCLS Week – **SPRING** 2005  
 April 4-6, 2005

Tuesday, April 5<sup>th</sup> — Breakout Sessions

|   |  |                      |
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| Project Office Breakout: Preparation for DOE “Lehman” Review<br>(Redwood A) |  | <i>Reichanadter</i>  |
|   | <b>Project Office (PO):</b> Galayda, Reichanadter, Sisson, RM Boyce, Scharfenstein, Mast, McGiven, QA Mgr, O’Donnell |                      |
| 9:00  | LCLS Project Overview – Galayda (Dry-run DOE Presentation)   | PO, System Mgrs      |
| 9:30  | LCLS ISMS – Scharfenstein (Dry-run DOE Presentations)  | PO, System Mgrs      |
| 10:00   | LCLS Project Management – Reichanadter (Dry-run DOE Presentations)   | PO, System Mgrs      |
| 10:30   | <i>Break</i>   |                      |
| 10:45   | Injector / Linac Overview – Bong (Dry-run DOE Presentation)  | Bong, CAMs, PO       |
| 11:15   | Undulator Overview – Milton (Dry-run DOE Presentation)   | Milton, CAMs, PO     |
| 11:45   | XTOD Overview – Bionta (Dry-run DOE Presentation)  | Bionta, CAMs, PO     |
| 12:15   | <i>Lunch</i>   |                      |
| 1:30  | XES Overview – Moeller (Dry-run DOE Presentation)  | Moeller, CAMs, PO    |
| 2:00  | Conventional Facilities Overview – Saenz (Dry-run Presentation)  | Saenz, CAMs, PO      |
| 2:30  | Global Controls Overview – Dalesio (Dry-run Presentation)  | Dalesio, CAMs, PO    |
| 3:00  | PIXEL Project Status and Overview – Arthur (Dry-run Presentation)  | Arthur, Hastings, PO |
| 3:30  | Wrap-Up Comments – Galayda   | PO, System Managers  |



LCLS Week – **SPRING** 2005  
 April 4-6, 2005

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| <b>Conventional Facilities Breakout (<i>Redwood B</i>)</b>             |   | <b>Saenz</b> |
| 9:00   | CF Overview (Dry-Run DOE Presentation)  | Saenz        |
| 9:30   | Title II Status/Building Program Requirements   | Saenz        |
| 10:30  | <i>Break</i>  |              |
| 10:45  | CM/GC Overview  | Saenz        |
| 11:15  | MMF Status  | Sevilla      |
| 12:00  | <i>Lunch</i>  |              |
| 1:00   | Construction Safety   | Hislop       |
| 2:00   | Project Office Breakout ( <i>Redwood A</i> )  |              |
| 2:45   | Sector 20 Status  | Folger       |
| 3:15   | Linac Status (3:15 to 3:45)   | Sevilla      |
| 3:30   | <i>TO Project Office Breakout – Wrap-Up Comments (Redwood A) System Managers only</i> |              |
| 3:45   | MCC Status  | Folger       |
| <b>Accelerator Systems: Injector/Linac Breakout (<i>Redwood C</i>)</b> |   | <b>Bong</b>  |
| 9:00   | Update on 3D Ellipsoidal Distribution   | Limborg      |
| 9:20   | Impact of RF Modifications on Beam Dynamics   | Limborg      |
| 9:30   | RF Modifications for Linac Structures   | Li           |
| 9:45   | Design of the Modifications to the Linac Structures                                   | Chan         |
| 10:00  | <i>Break</i>  |              |
| 10:15  | Drive Laser R&D   | Loos         |
| 10:30  | Drive Laser Update  | Gilevich     |
| 10:40  | Project Office Breakout ( <i>Redwood A</i> )  |              |
| 1:30   | LCLS Beam Tuning Simulation   | Emma         |



LCLS Week – **SPRING** 2005  
 April 4-6, 2005

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| 2:00   | Beam Collimation and Dark Current Simulations  | Wu             |
| 2:30   | RF Gun Design Status / Plan  | Schultz        |
| 3:00   | Break  |                |
| 3:15   | Future Guns (3:15 to 3:45)   | Dowell         |
| 3:30   | <i>TO Project Office Breakout – Wrap-Up Comments (Redwood A) System Managers only</i>  |                |
| 3:45   | BNL Bunch Length Measurement and FieldEye/Trafic4 Simulation Results                   | Rosenzweig     |
| 4:00   | Beam Energy Spread and Longitudinal Emittance for RF Guns                              | Huang          |
| <b>Undulator Breakout (Madrone, Room 224B)</b> |  | <b>Milton</b>  |
| 9:00   | AC Conductivity Wrap-Up: <i>Wakefield Summary</i>                                      | Bane           |
| 9:20   | AC Conductivity Wrap-Up: <i>Sample Preparation Summary</i>                             | Milton/Walters |
| 9:30   | Chamber Dimensions: <i>General Discussion</i>  | Nuhn           |
| 9:50   | Chamber Transitions: <i>Transition Wakefields at Short Bunches</i>                     | Bane           |
| 10:00  | Earth's Field Correction (Delta): <i>Earth Field Correction Plans</i>                  | Wolf           |
| 10:10  | Earth's Field Correction (Delta): <i>Error Mitigation by Variable Shimming</i>         | Milton/Emma    |
| 10:20  | BPM Locations: <i>Cradle Alignment Issues</i>  | Nuhn           |
| 10:30  | BPM Locations: <i>Undulator End Alignment with Wires</i>                               | Milton         |
| 10:40  | BPM Locations: <i>Discussion</i>   |                |
| 11:15  | Project Office Breakout (Redwood A)  |                |
| 12:30  | Wire Scanner Use (Type): <i>Wire Scanner Use as Presently Envisioned</i>               | Milton         |
| 12:40  | Wire Scanner Use (Type): <i>Discussion – Alignment Wire and Need for Wire Scanners</i> |                |
| 1:00   | Commissioning: <i>Draft Commissioning Plan</i>   | Nuhn           |



LCLS Week – **SPRING** 2005  
 April 4-6, 2005

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|---|---|----------------|
| 1:10  | Commissioning: <i>Discussion of Plan</i>  |                |
| 1:30  | BPM (System Integration/Planning): <i>Discussion</i>                                      | Krejcik/Milton |
| 2:30  | Alignment/Assembly (The Process/Requirements):<br><i>Alignment/Assembly Issued</i>        | Ruland         |
| 3:30  | <i>TO Project Office Breakout – Wrap-Up Comments<br/>(Redwood A) System Managers only</i> |                |
| <b>Photon Systems Breakout: XTOD / X-Ray End Stations<br/>(Cedar, Room 101)</b> |   | <b>Arthur</b>  |
| 9:00  | X-Ray Low-Pass Mirror System  | Arthur         |
| 9:30  | Revised XES Scope   | Moeller        |
| 10:00   | XTOD Layout and Diagnostics   | Bionta         |
| 11:45   | XTOD Project Office Breakout ( <i>Redwood A</i> )   |                |
| 1:30  | XES Project Office Breakout ( <i>Redwood A</i> )  |                |
| 3:00  | PIXEL Project Office Breakout ( <i>Redwood A</i> )  |                |
| 3:30  | <i>TO Project Office Breakout – Wrap-Up Comments<br/>(Redwood A) System Managers only</i> |                |
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LCLS Week – **SPRING** 2005  
April 4-6, 2005

| CONTROLS Breakout ( <i>Redwood D</i> ) |   | <i>Dalesio</i> |
|--|---|----------------|
| 9:00                                   | Motion Control  | Stein          |
| 10:00                                  | Vacuum  | Lewis          |
| 11:00                                  | Image Control   | Krejci         |
| <i>11:45</i>                           | <i>Lunch</i>  |                |
| 1:30                                   | PPS   | P. Bong        |
| 2:30                                   | Project Office Breakout ( <i>Redwood A</i> )  |                |
| 3:15                                   | SLC-aware IOC (3:15 to 3:45)  | Allison        |
| <i>3:30</i>                            | <i>TO Project Office Breakout – Wrap-Up Comments<br/>(Redwood A) System Managers only</i> |                |
| 3:45                                   | Power Supplies  | Luchini        |
| 4:00                                   | BPMs  | Straumann      |
| 4:15                                   | CF – Wiring, Racks, Power Status  | Ortega         |
| 4:30                                   | Naming  | Allison        |
| 4:45                                   | Group Discussion: Hardware Choices  |                |



LCLS Week – **SPRING** 2005  
 April 4-6, 2005

Wednesday, April 6<sup>th</sup> – Breakouts (*continued*); PLENARY

|  |  |                |
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| <b>CONTROLS Breakout, <i>continued</i> (Redwood D)</b>     |  |                |
| 9:00   | Group Discussion: <i>Cavity BPMs</i>                             |                |
| 10:30  | Group Discussion: <i>Bunch Length Monitors</i>                   |                |
| 11:30  | PLC Standardization: <i>Hardware and Software</i>                |                |
| 12:30  | Drive Laser Controls   |                |
| <b>UNDULATOR Breakout, <i>continued</i> (Redwood C)</b>    |  |                |
| 9:00   | Attend Controls Group Discussion: <i>Cavity BPMs (Redwood D)</i> |                |
| 10:45  | System Integration Test Plan (The Mockup): <i>Plans</i>          | White          |
| 11:00  | System Integration Test Plan (The Mockup): <i>Discussion</i>     |                |
| 11:30  | FYO5 Planning  | Milton         |
| <b>PLENARY – LCLS Week Closeout (<i>Redwood Rooms</i>)</b> |  | <i>Galayda</i> |
| 1:30   | Status / Progress / Issues                                       | Galayda        |
| 2:30   | Management / Cost / Schedule / Resources                         | Reichanadter   |
|  | AOB  | Others         |