



# ***ILC GLOBAL SYSTEMS MEETING***

## ***CONVENTIONAL FACILITIES AND SITING GROUP***

### ***Status Report, Near and Longer Term CFS Plan***

***V. Kuchler, J. Osborne, A. Enomoto***



## *General Overview*

- *Current Resource Status*
- *CLIC Collaboration*
- *XFEL Collaboration*
- *JINR Efforts*
- *Near and Longer Term Plan*



## Current Resource Status

- **FNAL**

- ***V. Kuchler Plus 1 FTE From FESS Engineering Through Sept 2008***
- ***Sept - April 2009 May Remain Constant Due To Continuing Resolution for US Budget (However Increased Funding Levels Remain a Possibility)***
- ***Level and Timing of Consultant Support in FY 09 is Yet to be Determined***

- **KEK**

- ***A. Enomoto and M. Tanaka to Continue at Current Levels***
- ***Potential for Additional Conventional Facilities Help Through M. Yoshioka (J-PARC)***
- ***3 KEK Personnel to Visit FNAL in November (as well as SNS and BNL)***



## Current Resource Status cont.

- **CERN**
  - ***J. Osborne Remains Funded at 25%***
  - ***CLIC/ILC Collaboration is On-going and Productive with Increased Potential for the Coming Year***
  - ***Teleconference Planned for Sept 19***
- **DESY**
  - ***Initial Collaboration Meeting Scheduled Aug 24-27 with T. Hott***
  - ***Although No Formal ILC Funding Exists at DESY we will Continue to Work with the XFEL Project in the Coming Year***
- **JINR**
  - ***Attempts to Engage JINR Continue***
  - ***Teleconference Planned for Sept 17 (?) with JINR and GSPI***



## **ILC/CLIC Collaboration**

- ***Established at initial CLIC/ILC Collaboration Meeting in February 2008***
- ***CFS/CES Working Group has Met Once Each Month***
- ***Co-conveners J. Osborne, C. Hauviller and V. Kuchler***
- ***Teleconference on ILC/CLIC Collaboration Progress and Workshop Plans is Scheduled for Sept 19***
- ***CLIC 08 Conference Scheduled for Oct 14-17***
- ***Information Exchange and Discussion Continue***
- ***Topics Discussed to Date Include Civil Works, Material Handling and Transport and HVAC and Air Handling***
- ***CLIC/ILC Activities will be Addressed at Both the CLIC 08 and LCWS 08 Upcoming Meetings***



## **ILC/XFEL Collaboration**

- *Preliminary Idea Initiated at the Dubna Meeting*
- *Initial Points of Contact T. Hott and V. Kuchler (With M. Ross and W. Bialowons)*
- *First Meeting at DESY, August 24-27*
- *Focus of the First Meeting will be to Understand the Cost Estimate Structure for Both the ILC and XFEL Projects*
- *Working to Identify Common Elements of Both ILC and XFEL Conventional Facilities Design and Learn from the Practical Experience of the XFEL Construction Project*
- *Will Try to Meet Quarterly with the Next Meeting Scheduled for December*



## JINR/GSPI Efforts

- *W. Bialowons is the Acting Point of Contact with the JINR Effort*
- *European Union is Working to Supplement Funding to the JINR Effort*
- *Contracts with GSPI are in the Process of Being Finalized Although Details are Not Known at this Time*
- *A Teleconference is Scheduled September 17 to Report on GSPI Process*
- *The CFS Group will Continue Efforts to Develop a More Formal Collaboration with JINR*



## Near-Term Planning

- **First Priorities are the Items Outlined in the GDE R&D Plan to be Completed During TDP I**
- **Resource Limitations Require the CFS Group to Currently Focus on the Process Cooling Water System (Including the New Alternative Proposed by C. Adolphsen) and the Comparison of Alternate Tunnel Configurations**
- **New Equipment Configuration (C. Adolphsen) Allows More Latitude for Alternative Tunnel Configurations**
- **November LCWS 08**
  - **Resolution for the Process Cooling Water Design is a Milestone for this Meeting**
  - **Preparation for the AAP Review in April 2009**
  - **Continue Organization of Work for Tunnel Configuration Comparison**
- **Continued and Expanded Collaboration with CLIC and XFEL Projects**





## Longer Term Planning

- ***A Strong CFS Program for TDP I needs to be Presented at the AAP Review in April 2009***
- ***CFS Goals for TDP I will Focus on Continued Value Engineering and Cost Reduction and Review of the Proposed Minimum Machine Specification Toward the Overall Goal of the Development of a New CFS Baseline Design***
- ***CFS Goals for TDP II will Focus on Refining the Details of the Conventional Facilities Baseline Design and the Development of a Revised Cost Estimate Based on the New CFS Baseline Design and the Development of the Technical Design Report***