



ILC CFS & GLOBAL SYSTEMS MEETING

CONVENTIONAL FACILITIES AND SITING GROUP

CFS Status Report

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Overview

- *Update from Previous Meeting*
- *CFS Planning Toward the DESY AD&I Meeting*
- *CFS and the EDMS System*
- *CLIC 09*
- *Summary*



Update from Previous Meeting

- **AD&I Central Region Layout**
 - **A New Machine Layout has been Developed and Provided to the CFS Group by N. Collomb**
 - **A Preliminary 2D Enclosure Layout has been Developed at FNAL and Initially Reviewed for Accuracy**
 - **In the Current Layout, the Main Linac Dumps and Fast Aborts Point Away from the Damping Ring**
 - **While the Beamline Layout will Remain Unchanged, the CFS Group is Investigating Repositioning the Service Tunnel to the Damping Ring Side of the BDS Tunnel**
- **Klystron Cluster and DRSF Alternatives**
 - **Each Region has Developed a Preference for the RF System that is More Appropriate for the Regional Application**
 - **This, as Well as Other Factors, will Affect the Details of the CFS Enclosure and Cavern Layout in Each Region**



CFS Planning Toward the DESY AD&I Meeting

- *The CFS Group at FNAL is Leading the Analysis of the New Beamline Layout with E. Paterson and M. Ross*
- *A New 2D Drawing is Being Developed, Based on the New Beamline Layout, at FNAL*
- *When Finalized, the New 2D Enclosure Drawing will be Made Available to the Area System Representatives for Review*
- *Each Region will Develop a 2D Layout that Reflects Local Geologic Configurations, Life Safety Criteria and RF System Preference*
- *Each Region will Develop 3D Enclosure Layouts, but the European Region will Provide the 3D Enclosure Information for the Overall 3D Machine Drawings Being Developed at DESY*
- *FNAL (M+W Zander) will Provide the 3D Drawings for the Mechanical and Electrical Support Systems for the Overall 3D Machine Drawings*



CFS EDMS Effort

- ***At ALCPG 09 a Parallel Session was Held to Review the Current Status of CFS Members w/Respect to Accounts and Needed Password Revisions***
- ***Las Hagge is Currently Providing the Necessary Password Updates and Accounts that are Needed for the CFS Group***
- ***The New Beamline Layout and CFS AD&I Layout will be the First Documents Posted into the EDMS System by the CFS Group***
- ***Don Mitchell will Provide Help as Needed to the CFS Group for the Utilization of the EDMS System***



CLIC 09 Collaboration Meeting

- ***CLIC 09 Collaboration Meeting was Held at CERN Last Week***
- ***Much of the Discussion Centered of the CLIC Design, However Tunnel Diameter, Life Safety and Egress and Ventilation Issues Remain Common to Both the CLIC and ILC CFS Design Solutions***
- ***The European Region Continues to Prefer the Klystron Cluster RF Scheme***



Summary

- *Work is Proceeding Toward the Development of a New CFS Enclosure layout Based on the Newest Version of the ILC Beamline Layout*
- *Once Established and Reviewed, the New Layout will be the Basis for the AD&I Proposal*
- *The New Layout will Also be Used to Develop Regionally Specific Layouts for Each Sample Site*
- *CFS will Continue to Utilize the EDMS System as the Review Tool for CFS Documentation*