



2009 Linear Collider Workshop of the Americas - ALCPG 09

Parallel Session Report

Conventional Facilities and Siting Group

V. Kuchler, J. Osborne, A. Enomoto



Sept 30, Wednesday

08:30 – 10:00 Initial Plenary AD&I

- ***The CFS Group Provided an Overview of Regional Life Safety and Egress Solutions for a Single Tunnel Main Linac***

10:30 – 12:00 CFS w/Area System Representatives

- ***Reviewed CFS Baseline Layout Provided for Review Prior to the Start of ALCPG 09***
- ***Comments and Revisions to the Baseline Layout were Discussed, Consensus was Reached and Needed Adjustment to the Drawings were Identified***
- ***A Corrected Set of Drawings will be Developed in ~3 Weeks and Made Available to Area System Representatives***



Sept 30, Wednesday cont.

13:30 – 15:30 Joint CFS/Cost Mgt Group

- **Americas Region Costs for Corrected RDR, Process Water VE, Tunnel Alternative Study and AD&I SB 2009 were Provided to and Discussed with the Cost Management Group**
- **European Region Costs for Single Tunnel Alternatives were Also Provided to the Cost Management Group**
- **Asian Region Costs are in the Process of Being Developed**

16:00 – 17:30 Heat Loads and Temperature Stability

- **S. Fukuda Provided an Overall Discussion of Heat Loads for the DRFS Option**
- **L. Hammond and E. Huedem Provided an Overall Discussion of Heat Loads for the Klystron Cluster Option and Other Area Systems**



Oct 1, Thursday

08:30 – 10:00 Regional Tunnel Configurations

- ***Each Region Provided an Update of Progress on the Development of Single Tunnel Designs with Configurations Suited to Local Geology***

10:30 – 12:00 Life Safety and Egress Issues

- ***Each Region Provided an Update of Progress on the Development of Single Tunnel Designs with the Specific Distinctions and Elements Required to Provide a Life Safety and Egress Scheme that is Compliant with Regional Requirements and Guidelines***



Oct 1, Thursday cont.

13:30 – 15:30 Regional Tunnel Costs

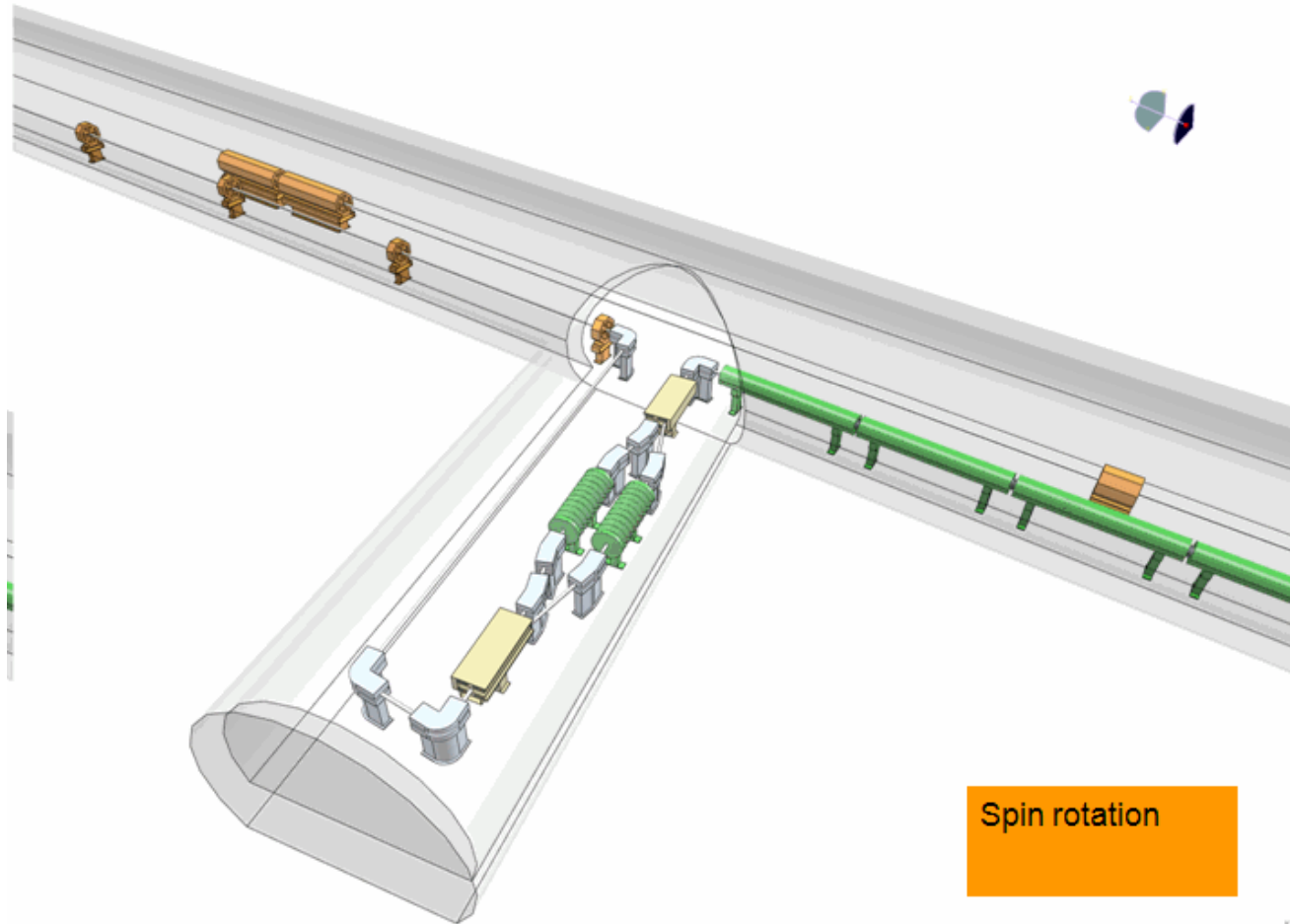
- ***Each Region Provided an Overview of Unit Cost Development and Plans for the Development of Complete AD&I Cost Estimates***

16:00 – 17:30 2d and 3D Drawings

- ***Each Region Provided an Update of Local 3D Effort***
- ***CERN Continues to Lead the Group in Expertise for the Enclosure Drawings***
- ***FNAL has Gained Expertise in Producing the Mechanical System Drawings***
- ***KEK has Made Good Progress in Beginning Their 3D Drawing Effort***



Example of CERN 3D Progress





Oct 2, Friday

08:30 – 10:00 CFS and EDMS

- ***L. Hagge Provided and Overview of EDMS System***
- ***Accounts, Passwords (and/or the lack of) for the CFS Group were Reviewed and Identified***
- ***A Plan was Developed to Provide Needed Accounts and New Passwords***
- ***The CFS Group will Develop a File System and Begin to Move Documents into the EDMS System with the Next 4 Weeks***

10:30 – 12:00 Continued Discussion of CFS Baseline Layout

- ***General Discussion with N. Collomb and N. Solyak to Finalize the CFS Baseline Drawing Set***



Oct 2, Friday cont.

13:30 – 15:30 Joint CFS/Main Linac and HLRF

- ***CFS Participated in a Discussion Regarding Life Safety and Egress Issues for a Single Main Linac Tunnel***
- ***A Consensus was Reached that a Viable Life Safety and Egress Solution Exists for a Single Tunnel in All Three Regions***

16:00 – 17:30 Heat Loads and Temperature Stability

- ***CFS Provided an Overview of Discussions, Revisions and Conclusions Reached During ALCPG Parallel Sessions Regarding a New Baseline layout to be Included in the AD&I Proposal***