

LCWS 2010

CONVENTIONAL FACILITIES AND SITING GROUP

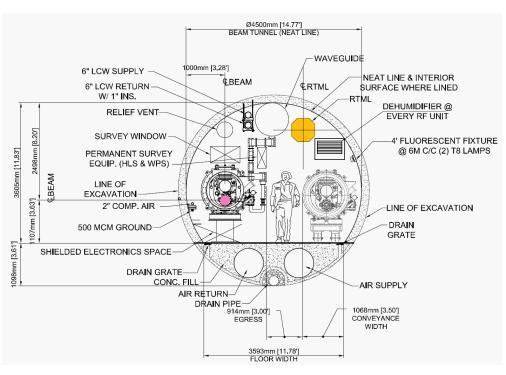
Parallel Session Overview

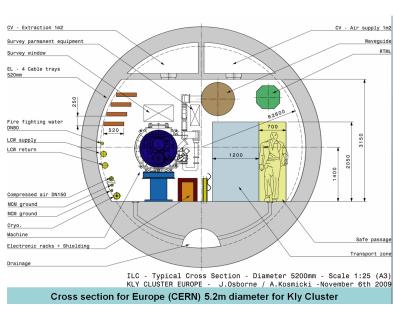
A. Enomoto, V. Kuchler, J. Osborne

Primary CFS Goals for LCWS10

- Single Tunnel Solution for Main Linac
 - Joint Parallel Sessions with Main Linac and HLRF Working Groups
 - Klystron Cluster System (KCS)
 - Distributed RF System (DRFS)
 - Update Criteria for Physical Equipment Size and Spacing
 - Cyromodule and RF Support Equipment
 - Waveguide Configuration
 - Installation and Maintenance Access
 - Electrical Support, Cable Trays
 - Electronics Racks Location, Spacing and Shielding
 - Update Criteria for Cooling and Electrical Requirements
 - Cooling Water Temperature and DT
 - Electrical Loading and Access to Connections

Current ML KCS Tunnel Cross Sections



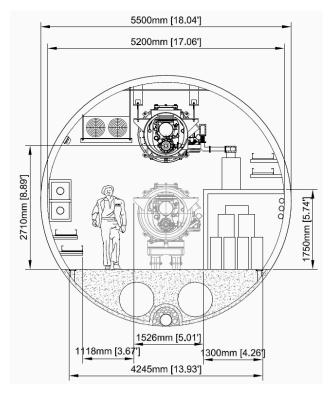


Americas Region 4.5 m Dia.

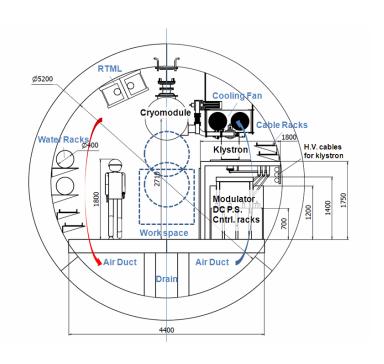
European Region 5.2 m Dia.



Current ML DRFS Tunnel Cross Sections



Americas Region 5.2 m Dia. Asian Region 5.2 m Dia.



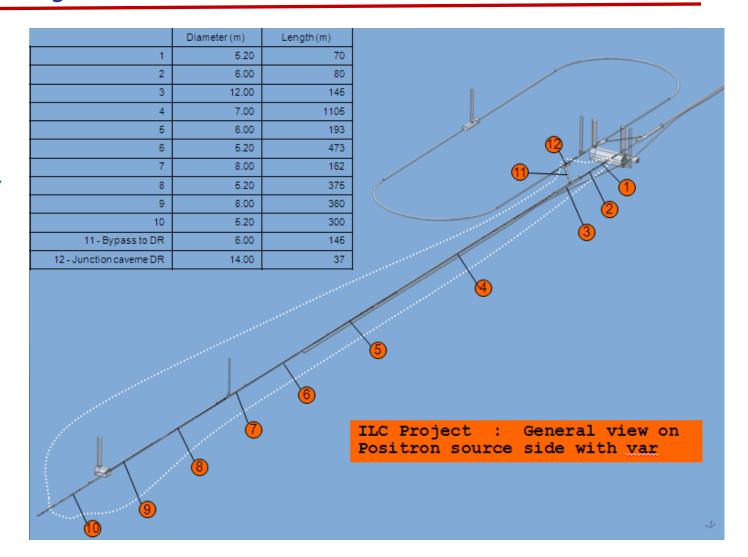
03-26-10 **LCWS 2010**

Primary CFS Goals for LCWS10

- Central Region SB 2009 Layout
 - Joint Parallel Sessions with Sources, RTML, Damping Ring and BDS Working Groups
 - Update Criteria for Physical Equipment Size and Spacing
 - Area System Beam Lattices and Equipment Layout
 - Aisle Spacing and Required Clearances
 - Installation and Maintenance Access
 - Electrical Support, Cable Trays
 - Electronics Racks Location and Spacing in Support Tunnel
 - Absorber and Dump Locations and Requirements
 - Update Criteria for Cooling and Electrical Requirements
 - Cooling Water Temperature and DT
 - Temperature Stability Requirements in Common Areas
 - Electrical Loading and Access to Connections

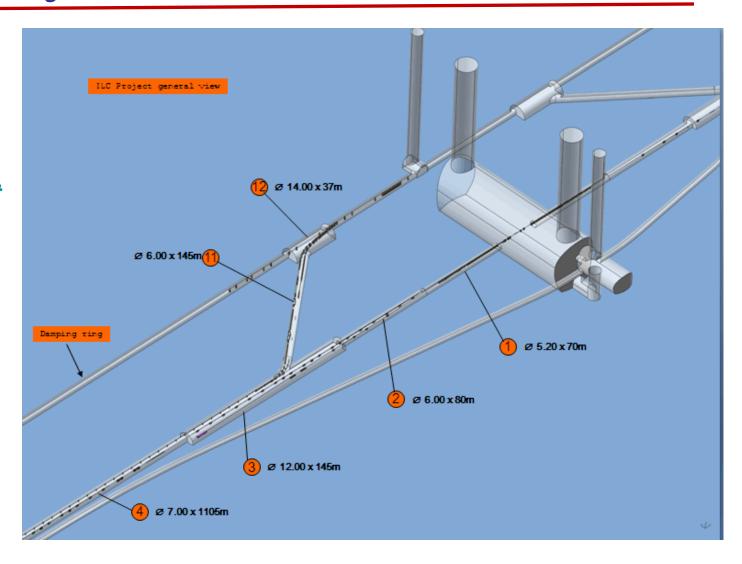


3D Examples Of Central Region Layout



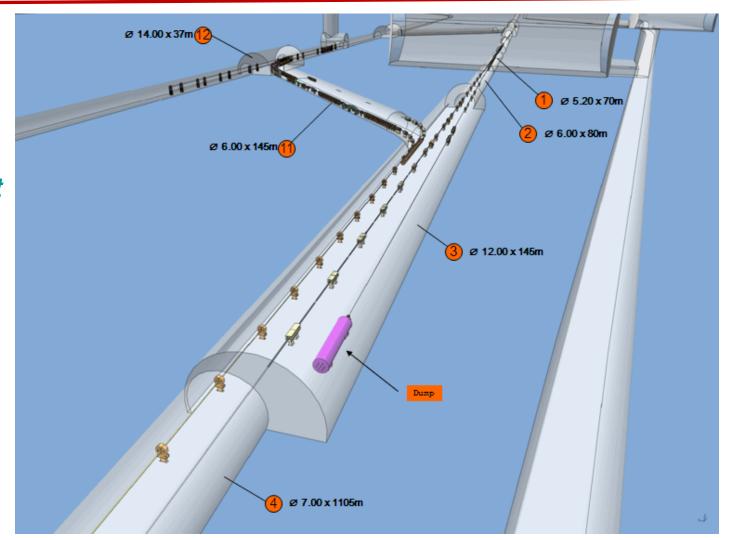


3D Examples Of Central Region Layout





3D Examples Of Central Region Layout



Specific Goals for CFS Working Group

- General CFS Topics
 - Re-establish Area System Contact Network
 - Joint Session with MDI
 - Distributed CFS Attendance at Area System Parallel Sessions
 - Planning for CFS Regionally Specific Utility Design
 - Finalize Dubna Site Investigation Report
 - Discussion and Assignment of 2D and 3D Regional Drawing Efforts
 - Review of Regional Single Tunnel Life Safety and Egress Solutions and Future Work
 - CFS TDP II Planning Including Resource Availability and Allocation

Specific Goals for CFS Working Group cont.

- CFS Focused Workshops Summer 2010
 - CFS w/Area Systems at SLAC
 - CFS w/Area Systems at Daresbury (?)
 - □ CFS w/ MDI and Detector TBD
- At LCWS 2010
 - Verify Locations
 - Verify Dates
 - Re-establish Participation and POC's