

Main Linac Tunnel Discussion

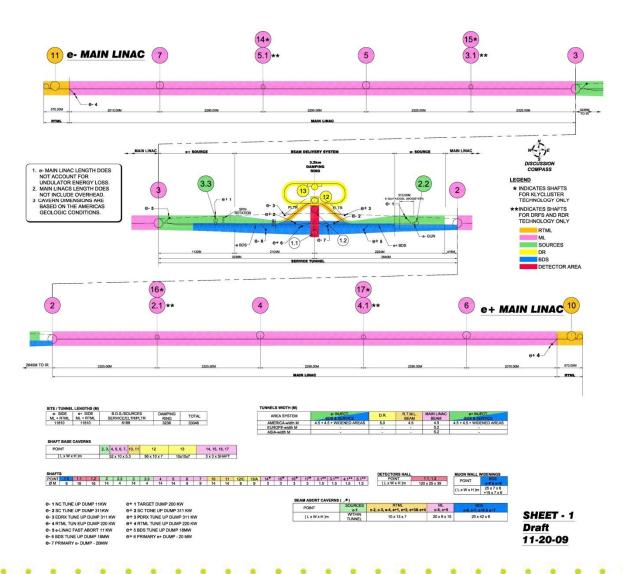
Tom Lackowski

Date Event

Global Design Effort

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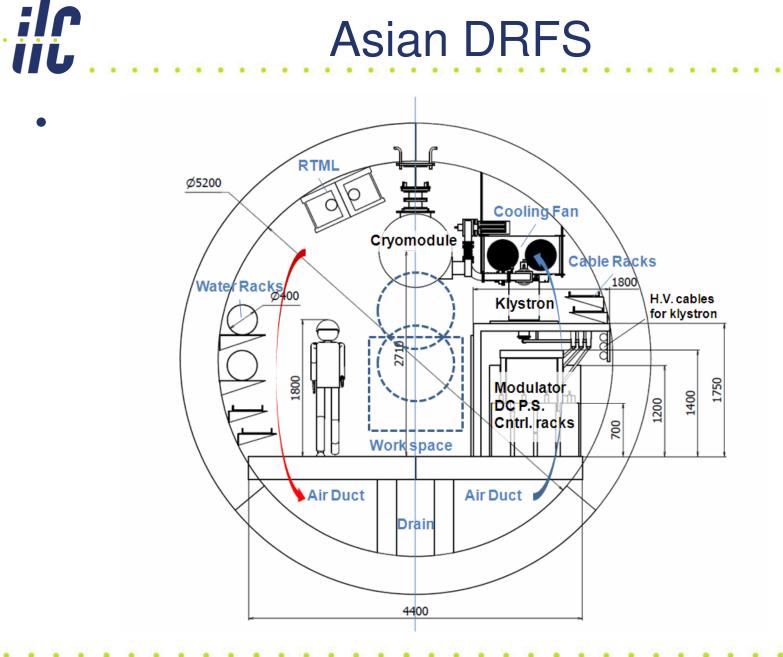
Overall Plan



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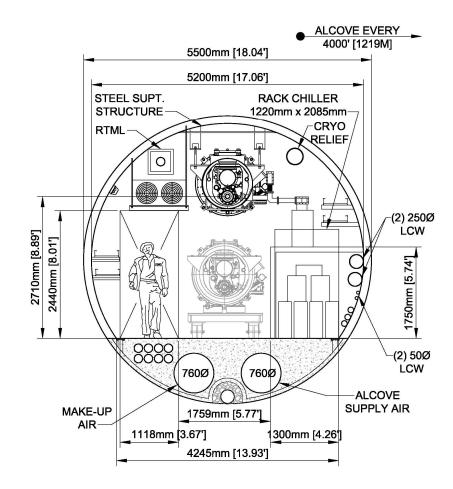
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Asian DRFS



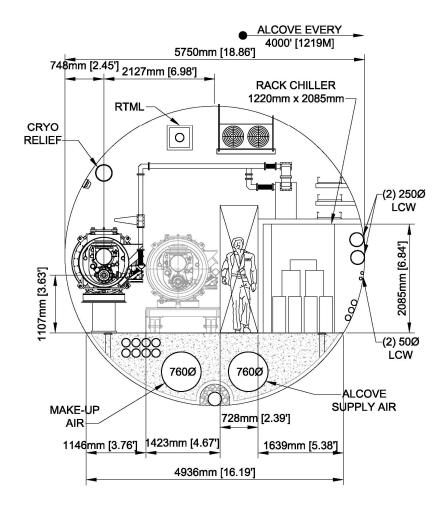
March 27, 2010

Americas DRFS Ceiling Mount



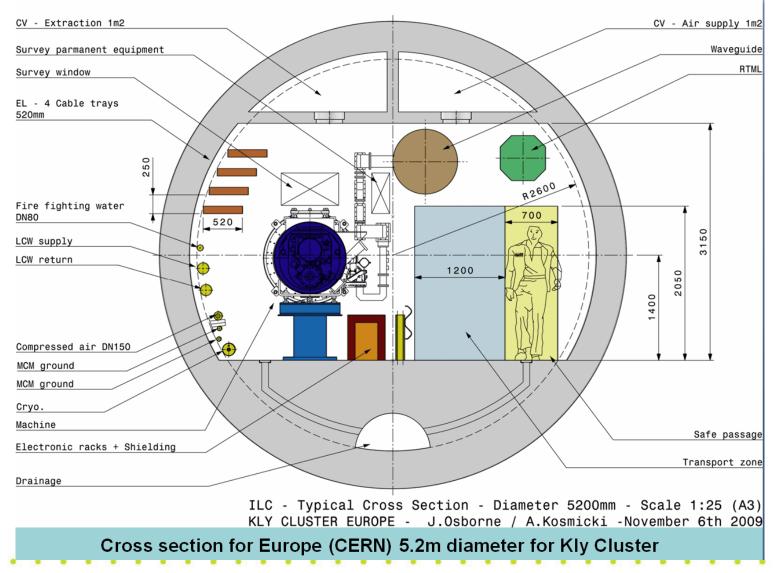
Date Event

Americas DRFS Floor Mount



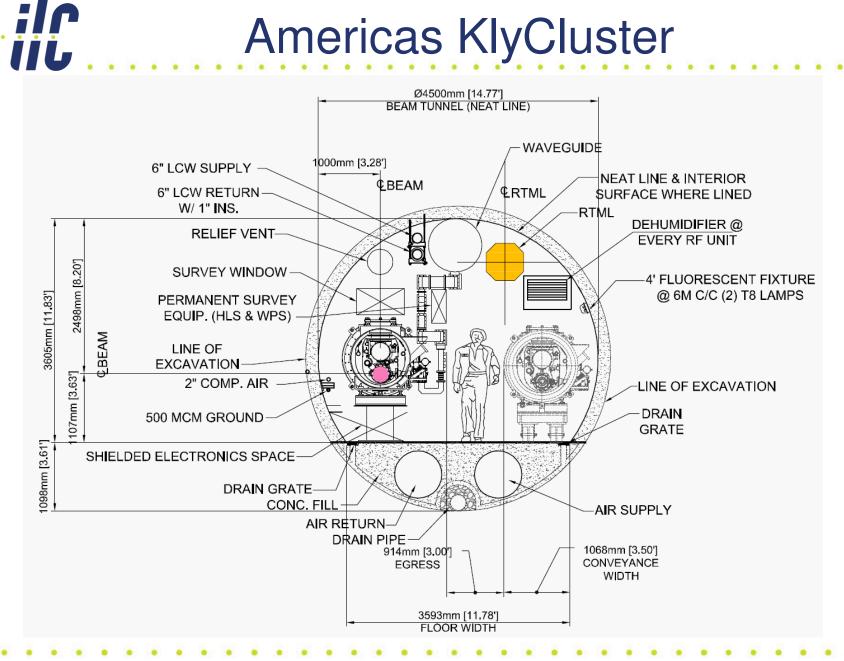
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Europe KlyCluster



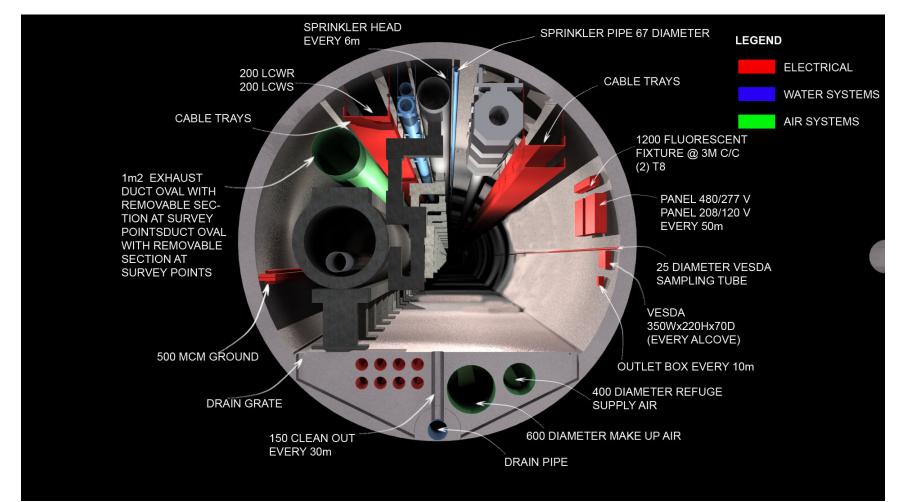
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Americas KlyCluster



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Americas KlyCluster 3D

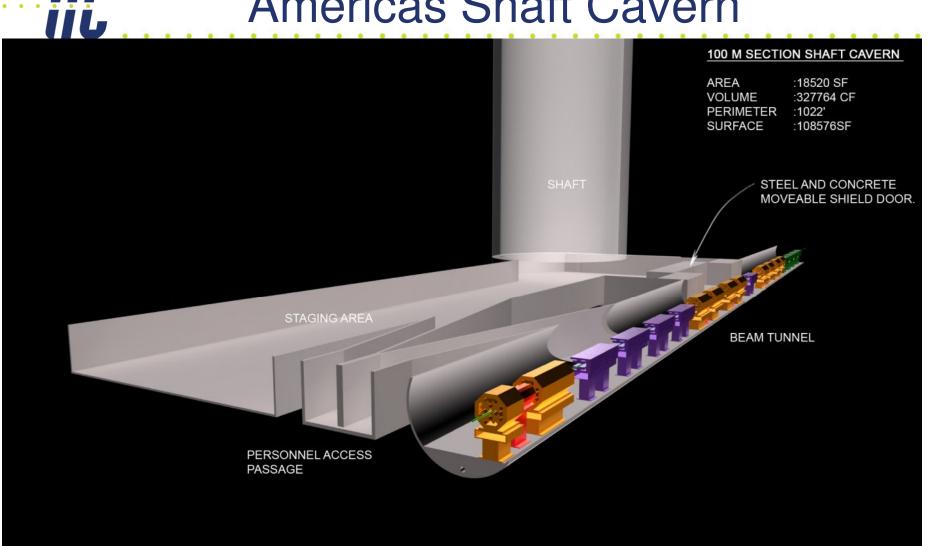


Draft In Progress Drawing

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Americas Shaft Cavern



Draft In Progress Drawing

March 27, 2010

Global Design Effort

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Discussion Areas

Tunnel

IIL

- KlyCluster
 - Overhead for Undulator RF Units
 - Overhead for Reliability RF Units
 - Cryo Plant Locations (shafts)

– DRSF

- Overhead for Undulator
- Overhead for Reliability
- Cryo Plant Locations

Discussion Areas

Tunnel

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- KlyCluster

- Cabling
- Racks- Surface/alcove/in tunnel
- Power Supplies (Main Linac / RTML)
- Waveguide Cooling
- Waveguide Size
- 2.5 km shaft spacing
- Cryo Plant Spacing

Looking Ahead

- The transfer of technical information for the RDR started slow then ramped up to an intense pace.
- Due to funding, or other manpower limitation, CFS will need to develop the TD 2 effort in an even methodical pace.
- Requirements, requirements, requirements;
 - We need to transition from cartoons without firm basis (2D or 3D) to cartoons based on Area System and Technical System solid requirements.