

Long Shutdown Integration Meeting

September 27, 2012

F224-225, 10 am

MINUTES

- **Intro** **D. Napier**
 - RPM next Wednesday 3 Oct – Fulvia back

- **FEL Ring Resonator** **R. Walker**
 - See presentation for full details
 - Uses a near-confocal resonator (current one is near-concentric)
 - Plan to put in the center of the FEL (between beam line/columns).
 - Majority of work within FEL, optics & I&C groups
 - When: working on it now & want to run in Feb 2013
 - Scope with resources needed is included in the FEL CR being developed for re-submission to the board.

- **LSDD Report** **M. Spata**
 - See presentation for full details
 - S&A 2B complete CM & girder through NL17
 - EA 2B alignment beyond halfway point
 - WA last 4 girders installed
 - Removed stack 16 in WA to allow for OL/OR girder installation
 - ER magnets and girder installation
 - Stands in ES being assembled
 - Steel plates in tagger area being installed
 - All EA Dipoles installed!!! Last 3 installed yesterday
 - 1st curved dipole installed in SE recombiner
 - FML penetration in SL complete and moving to HC truck ramp
 - **still some tunnel leaks (not penetrations).
 - 1st half of HD BPMs on girders installed
 - NAB/SAB power panel work all completed

- 12geV I&C cables in the ring generally complete
- Cable tray installation planned for tagger ramp in late Oct.
- EPICS 3.14 upgrade. Checkout with beam (FEL is the first up).
- Most of the equipment for ODH Hall D has been roughed in.
- All stand material for HD beamline has come in.

- **Updates**

- **CTF/VTA/TLA/CMTF operational**

E. Akers

- Temp Power/HVAC/network to CMTF/CTF/VTA areas (by Sept 24). Supposed to get back into test lab today and reco starts for the systems.
- CM into cave planned for a few weeks.
- CTF cool down (start Oct 15). There is a boarded up structure over the VTA. Plan was to valve off the VTA, but a cryogenic review of the enclosed space in the event of the valve failing/leaking is being done. If they have to wait for entire structure to come down (by Mortenson), this may impact CMs. The current plan is for the structure to come down in late Oct – this will impact the current schedule.
- CMTF down (2 July to 14 Sept) → (now Oct 22)
- Cryomodule cool down (start Oct 22)
- VTA cool down (start Oct 29)

- **Cool-down planning/CM maint & comm.**

W. Oren

- Meeting tomorrow. Still planning North linac/FEL cooldown first, then SLinac following. Stable 4K before Christmas is the plan.

- **Schedule, 3 months look-ahead**

D. Napier

- See presentation for full details
- Changes discussed from presentation:
- Towers coming in soon with steel
- Tunnel penetrations repairs: Waveguides done, then HC, then injector and others to be added that have been identified – can start FY13

- MCC was supposed to go out last week – bob working to push this – but there are plans to keep control room operational and access as planned
- Admiral cavity processing not started. But not an issue due to budget.
- HA:
 - Girder alignment on track
 - Compton polarimeter is filler work
 - Moeller beam line alignment on hold
- HB: panel 2 & 3 waiting on tooling not here until tomorrow, then can start
 - South clamshell – end of oct
 - R1 out and in storage
 - Now focusing R3 due to delays in panel 2/3TOF
 - Torus removal moving to Dec
 - ~1 month behind
 - HB space frame now mid March
- HC:
 - QWeak coils for QTOR magnet are left – just need final washing. Large and heavy – working next week for removal
 - Rad surveys to review rad waste for concrete pads
 - SOS lead panels being removed, then dipole (end of Oct), then steel structure/doors (before X-mas) and entire chassis in Jan.
 - Clean up efforts still in place

- **Around the room**

- 12 GeV accelerator L. Harwood
- 12 GeV physics G. Young
- Physics R. Ent, J. Gomez, W. Akers
- FEL R. Legg
- Operability S. Suhring, A. Freyberger
- Commissioning, CASA M. Spata
- Engineering W. Oren
 - Cooldown meeting tomorrow
 - Maintenance manpower going well, major problems is the tie ins between the two plants. Material delivery and people/welders. HD dist can under vacuum now

- Facilities
- ESH&Q
- PMI
- Integration

B. Sperlazza
M. Logue, D. Owen
P. Collins, K. Krug
D. Napier

- **Next meeting**

D. Napier