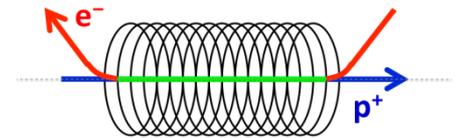


## Electron Lens Superconducting Solenoid Status

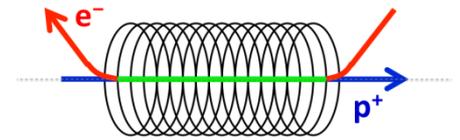
Michael Anerella

June 21, 2011



- Redesign for larger diodes underway (SP/PK)
- Cold mass, cryostat drawing (& some coil correction) work continues (LR/SP/AM)
- Yoke material - on order
- Coil status - following slides

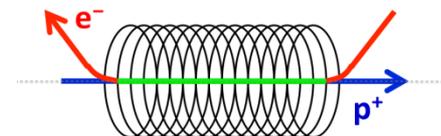
# Corrector coils



- 1<sup>st</sup> Corrector:
- Being prepared for initial cure (DM/MH)
- OVEN - need "retort" for cure (AM/RC)



# Main Solenoid Coils



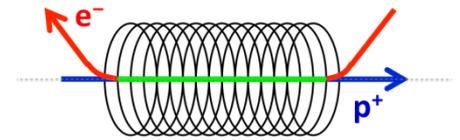
## 1<sup>st</sup> Main Solenoid

### last "double" layer underway

- NLE layer 24 complete
  - NLE layer 25 today
  - NLE layer 26 + center, LE layer 22 Wednesday
  - LE layer 23 Thursday
  - LE layer 24 Friday
  - LE layer 25 Monday
  - LE layer 26 Tuesday 6/28
- (wait time for hardening of Stycast 2850FT epoxy before application of POR-15 epoxy putty between conductor and flange)



# AFF, FF Solenoid coils



## FF coil #1

- Rework to flanges for exiting lead, O.D. reduction **complete** for 1<sup>st</sup> coil
- Kapton insulating of hub, 1<sup>st</sup> flange complete
- **2<sup>nd</sup> flange to be installed today, insulated next**
- Winding to start after insulation is complete

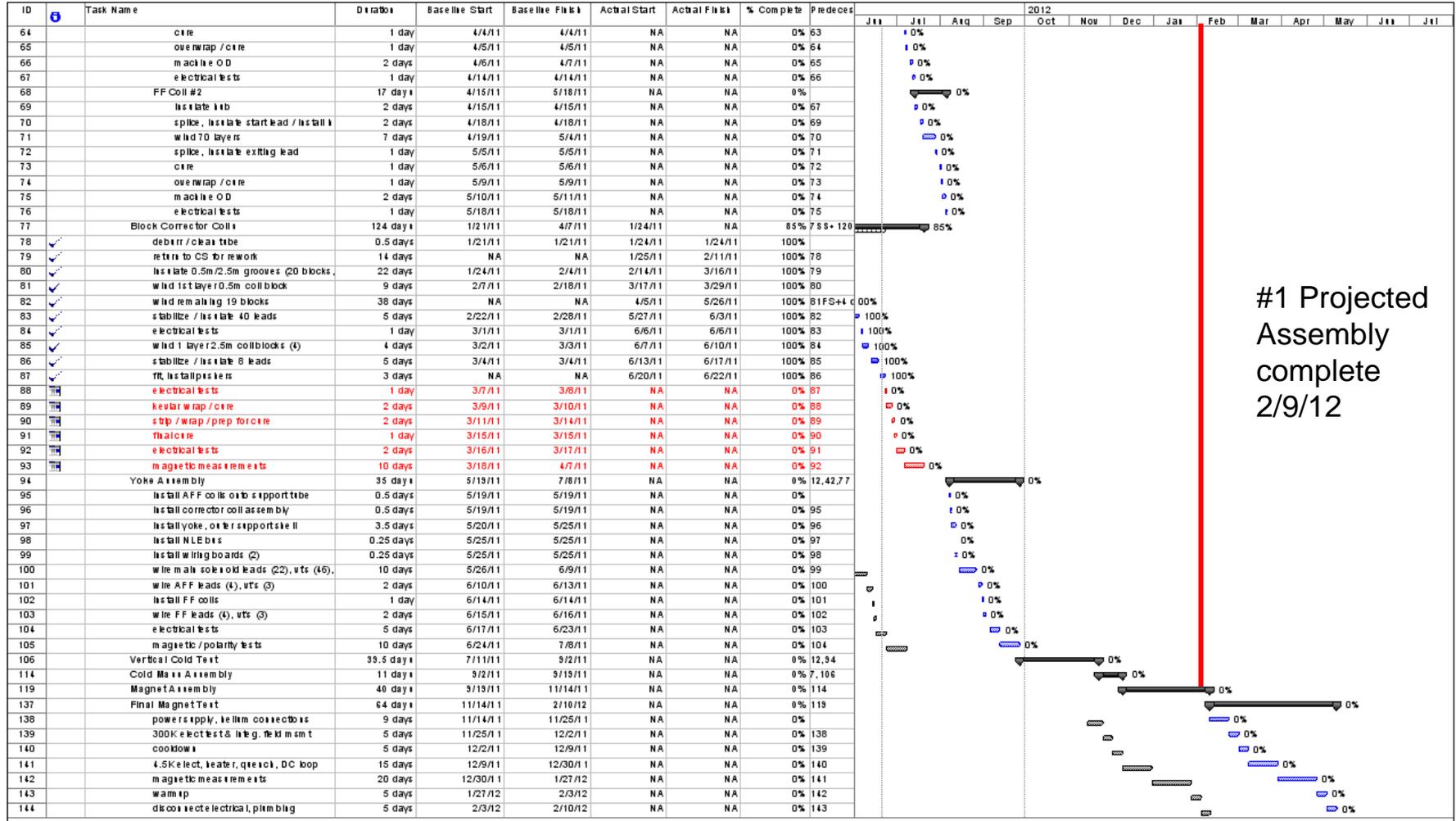
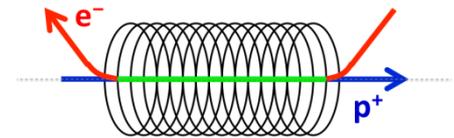
## FF coils #2-4

- Prep work started





# schedule p.2



#1 Projected Assembly complete 2/9/12

