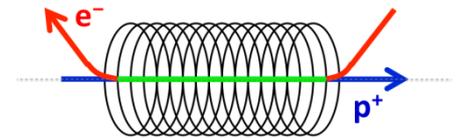


Electron Lens Superconducting Solenoid Status

Michael Anerella

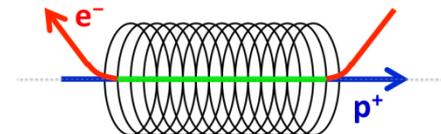
February 1, 2011

Outline



- Corrector coils
- Main solenoid coils
- Anti-Fringe field, Fringe Field coils
- Schedule

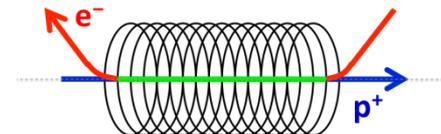
Corrector coils



- aluminum tube machining:
 - Sent back to CS for re-machining of lead slots, to be complete this week? KC needs DRAWING (AM)
 - Winding table complete
- Coil winding travelers being reviewed
- Assembly Drawings, parts, in progress
- Need creased Kapton (also Nomex?) parts to be made ASAP - RC needs drawings (AM/FC)
- OVEN! (AM/MA)

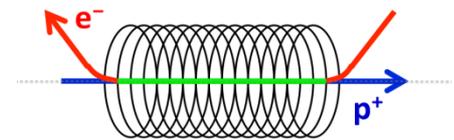


Main Solenoid Coils



- Gantry tested, ready to use
- Main support tube on order, due ~~1/6/11~~ ~~1/14/11~~ ~~1/21/11~~ ~~1/28/11~~ **2/3/11?** Concentricity tolerance relaxed, TUBE SHIPPED
- Machining drawing signed off, released, work order released to CS and estimated.
- Superconductor shipped to NEWT
- Kapton insulating of sc - order placed, delivery promised **2/2/11** (partial quantities sooner)
- Assembly drawing, parts drawings - underway (LR)

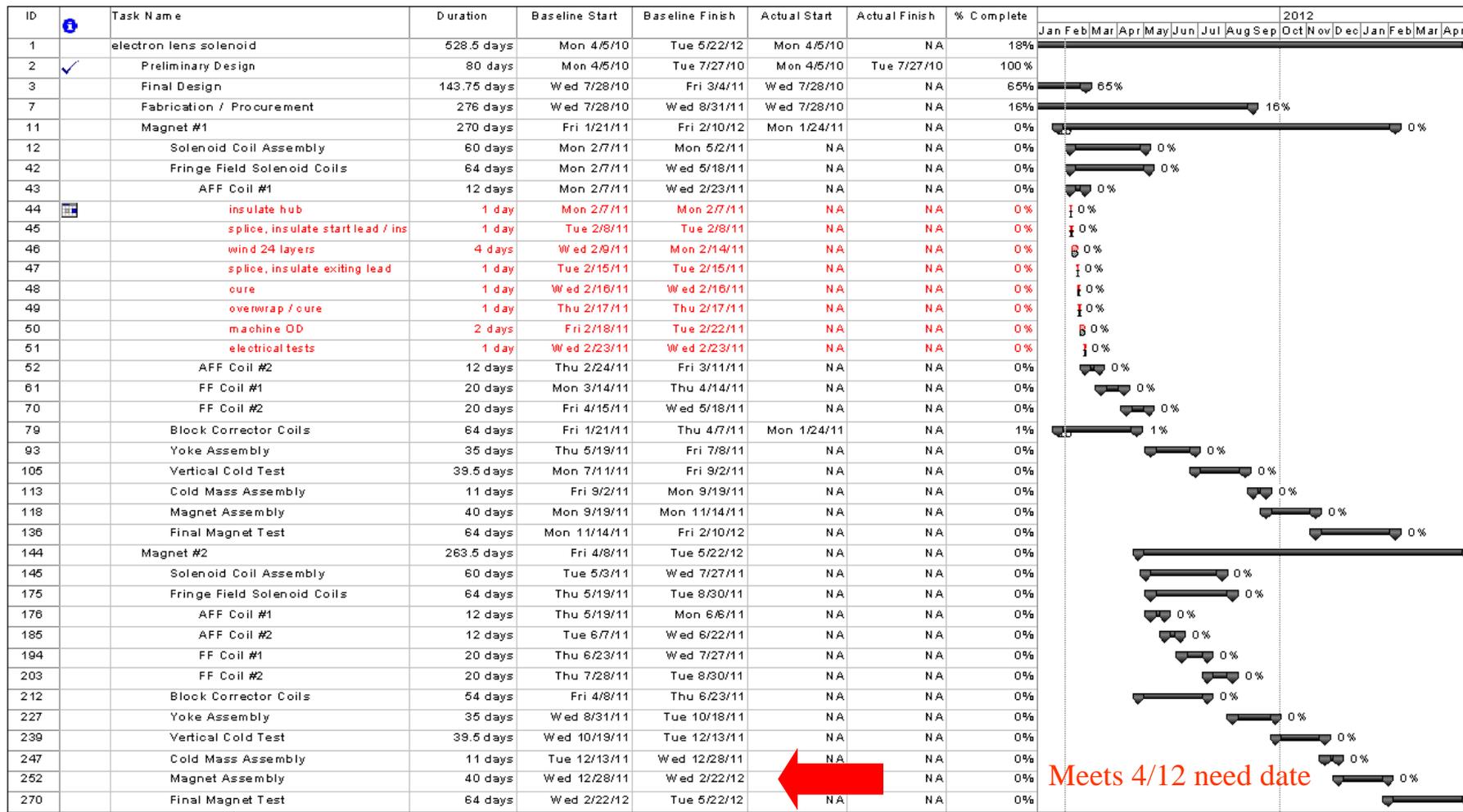
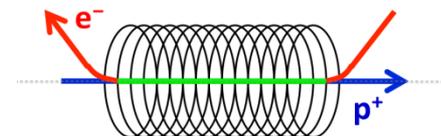
AFF, FF Solenoid coils



- AFF conductor is “drop-offs” from main solenoid so delivery is the same
- AFF support hub
 - Model / drawings finished
 - Material received
 - Machining of 2 hubs and flanges finished (FT)
- Assembly drawing completed, being reviewed
- Winding machine upgrade - hardware received, installation started (RC)
- FF work to follow AFF



Latest schedule



Meets 4/12 need date