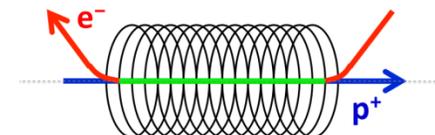


# Electron Lens

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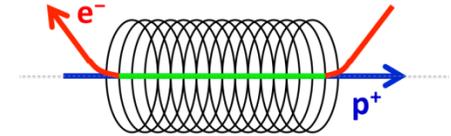


## Electron Lens Superconducting Solenoid Status

Michael Anerella

July 31, 2012

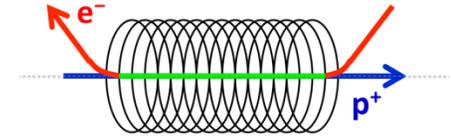
# eLens - Cold Test Assembly



## Magnet #1:

- LE fringe field coil re-assembled, welded, electrically tested, hung on top hat
- Maintenance to top hat needed (caps, level probes to be installed, etc.)
- Wiring needed - to start after electrical testing of cold mass #2 (manpower limitation) - tomorrow

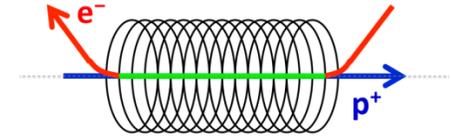
# eLens - Cold Test Assembly



## Magnet #2:

- New LE FF coil support restraints installed
- Diode assembly cold test completed
- Wiring complete (DM/SD/MH)
- Electrical testing today (observation by C-AD personnel)
- Installation into vertical test dewar tomorrow

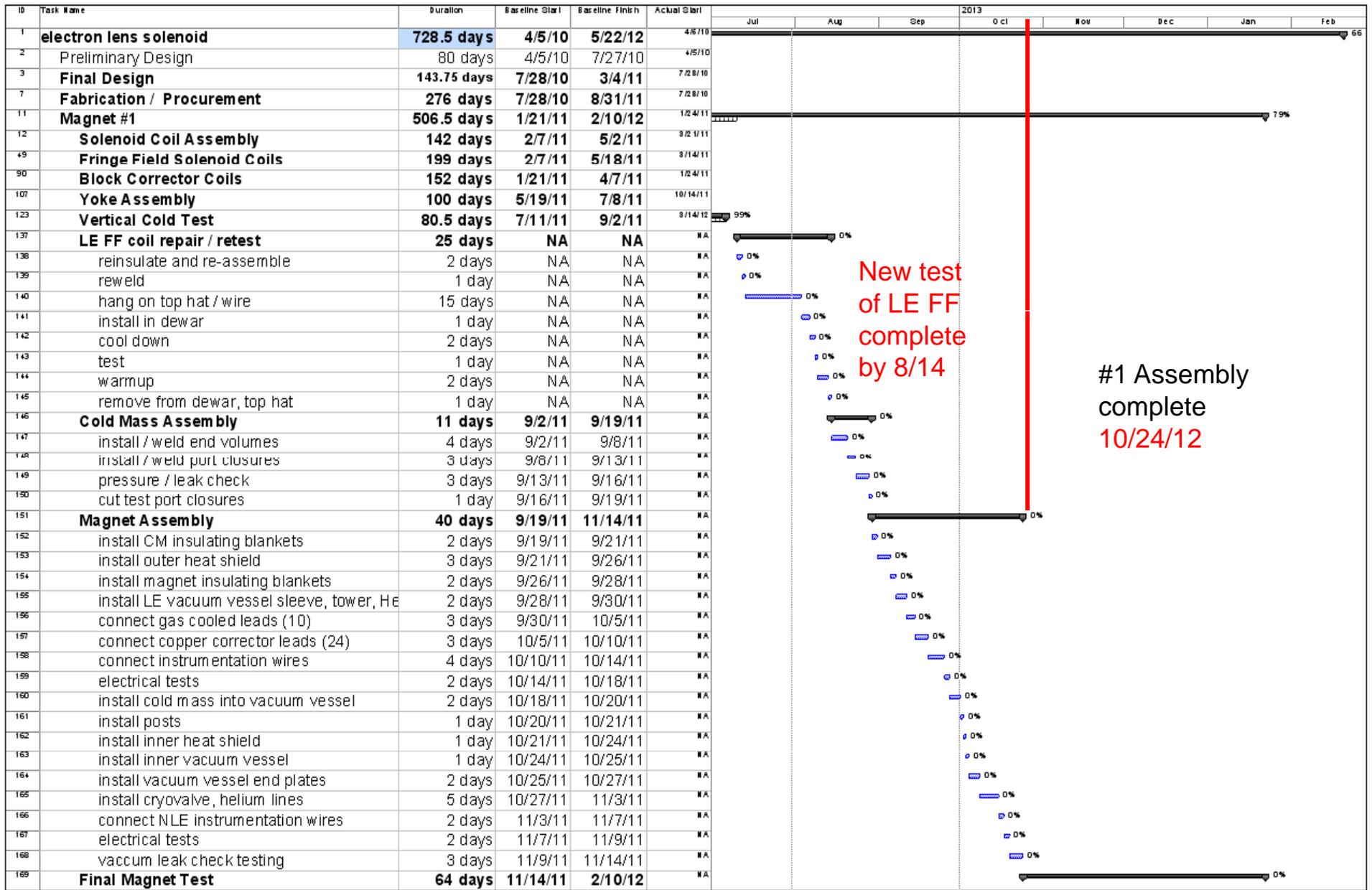
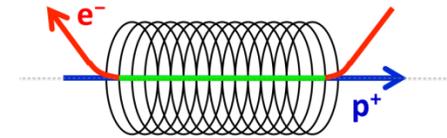
# E-Lens Magnet Drawings, Parts



## Magnet

- Design work continues - (SP/SS/FC)
  - insertion assy (38010200) - check print complete
  - cryostatted assy (38060200) - check print complete
  - electro-mechanical assy (38060406) - in checking
  - e-lens top assy (38060001) - in checking
  - Insertion fixture additions - complete, parts order in CS (SS)
- Cryostats delivered
- new heat shield vendor - technical details **RESOLVED** with vendor; promised delivery date 8/12
- (some) Cryostat parts in CS, supporting schedule

# Magnet #1 schedule



# Magnet #2 schedule

