

- **Week 6 of 10 of the Long Shutdown:**

- Mechanical

- Leak Check (4)
 - AP3 to be done
 - *Finished checking D/A, A40, A30*
 - *D:ESEP, A30 IP fixed*
- *D:ISEP Shielding*
- Ion Chamber removal
- Deb DCCT motorized stand
 - Ready for alignment
- D:EKIK ceramic tube
 - New tube on stand; ready for alignment
 - 2nd module is being readied to be put on the stand.
- AP2 Water Hose Replacement
 - In progress -
 - Water indication on EQ18 is probably evidence of hose work.
- Leaking LQA
 - *Surveyed into place*
- *Replaced leaking Deb Sextuple*
- SMA water leak
 - *Surveyed into place*
- 4 water leaks to fix
 - *IQ8 fixed twice*
- A10 Obstruction Search
 - Aperture opened, no obstacles found, components are being shuffled.

- Cryo

- *Valve Stem replace*
- **Leak Check (1 of 2)**
- **LN2 transfer line maintenance**

- Target Station

- *Water Systems (2)*
- *Temperature Monitoring (2)*
 - *1 wiring done*
- *Target Rotation*
- *Storage*
- *SEM Module*
- **LVDTs**
- *Sample Retrieval*
- **Lens motion**
- **Air Exhaust Stack**
- **10mm-2 into transformer**
 - *Prepping; await tools*
- **10mm-3 into transformer**
 - *Prepping, installing*
- **Lens replacement**
- **Pictures of PMAG**

- Cooling Systems

- *Deb 3&4 Trans Notch Filters*
- *Deb Double Notch Filters*
- *Core 4-8GHz Equalizer*

- TWT balance & trip points
 - Need cryo for 1 week
- Stacktail Filter 3 cable change
 - Need cryo for 1 day
- Electrical (Pbar & EE Support)
 - Shunt Move
 - Progress
 - Shunt Repairs (6)
 - Removed and rebuilding
 - PS Maintenance
 - Started
 - *Lens SCRs*
 - Regulation Electronics
 - Started by EE
 - Ion Pump maintenance
 - Started; await fans
 - Deb Shunt re-arrangement
 - Deb Extraction kicker load adjustment
- Other
 - Interlocks/Safety System (3)
 - Repair cathodic protection
 - Holes under buildings
 - Water dripping from tunnel ceiling
 - DCCT calibration
 - *Baking System checkout*
 - *RF & TWT filters maintenance*
 - *Lights Checkout*
 - *Fluorescents done*
 - *Emergency & Exit lights to be fixed*
 - Acc BPM repairs
 - *Activation Survey*
 - Inductance checkout
 - *Acc & Deb done*
 - PM ODH Fans & Sumps
 - *Tunnel Wireless*
 - Install Leak Detector
 - SEM maintenance
 - Clogged sump line – Transport
 - Berm dug- FESS to replace entire line