

Installation & Startup Tasks (May 18-25)

DAILY Toolbox Meeting after 8AM meeting

Vacuum – install cooled target ladder, viewer extension, solenoid magnet

DC Power – solenoid magnet PS hookup

Software – Magnet control software, electrometer application

Diagnostics – Get collimator current read backs working

Installation – Move palettes of lead bricks

Survey/Alignment – Align solenoid, Compton; survey beam line elements

Readiness – interlock checks, hot checkout, light up INJ/NL

Fri, May 18

- ID18-Prep
 - Lock out plug power for MPC5D02, MPD5D03, MPA5D05
 - Pull trim MPT5D04
 - Use NAB elevator to bring new solenoid MPT5D04 to tunnel
- ID18-Target
 - Remove target ladder
 - Mount targets, target clamps, viewer on copper ladder
 - Mount ladder to viewer actuator, fiducialize ladder to actuator
 - Install target ladder, aligned normal incidence
- ID18-Viewer
 - Measure distance from end of viewer assembly to chamber
 - Remove viewer assembly
 - Measure distance from end of viewer assembly to target center
 - Confirm difference to chamber centerline $U=0$.
 - Add spacer to achieve $U=X$.
 - Reinstall viewer assembly
- ID18-Solenoid
 - Disconnect magnet leads
 - Fix region 3 cross 2 w/ additional support
 - Release fixture plate nuts
 - Break old solenoid spool joints, slide cup downstream
 - Swap old solenoid for new solenoid
 - Make up vacuum joints w/ rough 1A alignment
- ID18-Higgins
 - Add polarity channels for MPC5D02, MPA5D05
 - Remove MPT5D04 from NL01
 - Install magnet wrapper to iocinmag1

- Install electrometer application
- ID18-Lead
 - Voutier/PEPPo load 150 lead storage bricks to 2 palettes
 - Brisel forklift 2 palettes to NAB
- ID18-Hansknecht
 - Pull second heliax cable from ISB to T2

Sat, May 19

- Open House – no work planned that I'm aware of
- Grames – Monitor beam line pump down (+1 day)

Sun, May 20

- Voutier/Fanchini – See ID1, ID2
- Grames – Monitor beam line pump down (+2 day)

Mon, May 21

- ID21-Vacuum
 - Leak check beam line with RGA
- ID21-Gelhaar
 - Connect LCW to solenoid
 - Connect/test klaxon and LCW interlocks
 - Connect magnet leads and safety shield to magnet
 - Perform functional test
- ID21-Collimator
 - Freyberger/Delacruz – Investigate current readback
- ID21-Shielding
 - Wilson/Install – Move 2 palettes of lead from NAB to PEPPo
 - PEPPo – As permits, begin installation of lead masks
- ID21-Readiness
 - 1430 – Arne leads Readiness Review walk though

Tue, May 22

- ID22-Survey/Alignment –
 - Alignment MPT5D04 solenoid to design ($x=y=pitch=yaw=0$)
 - Survey BPM's 0L02, 0L03, 5D01, 5D02 and nearest quads
 - Survey fiber array frame edges to exit vacuum window flange
 - Align Compton magnet centerline to region 3 beam line
- ID23-Shielding
 - Install lead bricks on polarimeter table

- Complete lead mask installation
- SAF132 tunnel walkthrough opportunity, see Mike Aiken

Wed, May 23

- ID23-Survey/Alignment
 - Alignment MPT5D04 solenoid to design ($x=y=pitch=yaw=0$)
 - Survey fiber array frame edges to exit vacuum window flange
 - Align Compton magnet centerline to region 3 beam line
- PEPPo – Start final lead shielding
- ID23 – Scintillators
 - Install dE, E detectors
 - Assign signal/HV cables
 - Complete lead enclosure
- 1400 – PEPPo briefing to operators + shift workers) @ MCC Conf
- ID23 - Update readiness checklist
- ID23-Forest
 - Annihilation detector calibration w/ source STARTS

Thu, May 24

- SAF132 tunnel walkthrough opportunity, see Mike Aiken
- ID24-Forest
 - Annihilation detector calibration w/ source ends
- 1500 - HCO w/beam
 - Lock-up INJ/NL PSS
 - Bring up gun HV, capture, cryo unit
 - If beam gets to FC2 OK then
 - Test injector diagnostics (BPM, BCM, Apertures, 2D harp)
 - PSS BLM test?
 - PSS BCM test?
 - PEPPo 5D line
- Schedule RadCon survey (not checklist)

Fri, May 25

- Fix things or...
- 0800 – OPS lock up INJ/NL