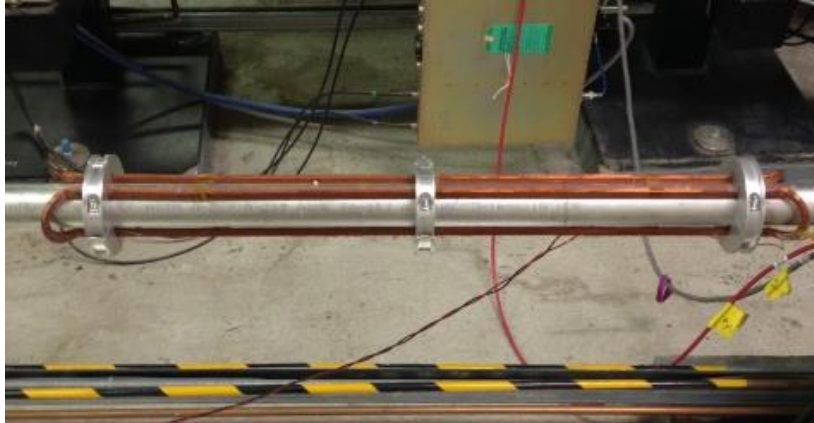
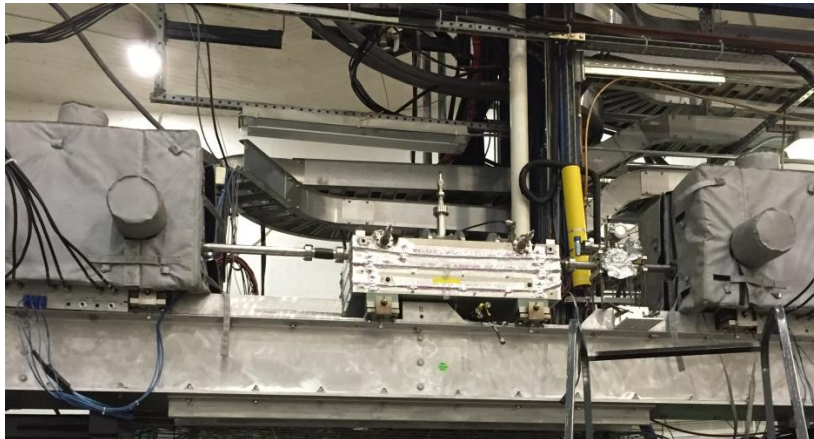


Parity beam line work 9/21 update

- Hall A beam modulation system
Air core coils in multiple positions along the beam line to tweak the beam
 - Electronics hardware, coils and software are still installed and functional. Thanks Pete Francis, Simon Wood, Jay and Bob.



- Beam charge monitoring
2 XYQ cavities and their enclosures located on the aluminum girder upstream of the target.
 - XYQ cavities near the target are installed and are equipped with new electronics and temperature controls.
- Install new XYQ cavity
 - Cavity assembly has been installed between the two existing cavities on the aluminum girder upstream of the target.
 - Supporting cables are being installed but controls for this cavity assembly have not been installed at this time.
 - Install temperature controls.
 - Run 3 signal cables and one control cable to Hall A counting house. Done
 - Still needs to be aligned
 - Still needs leak check



- Qweak halo monitor
 - Installed and aligned
 - Cables for controls are installed and operational Thanks Tony Dela Cruz.
 - Detectors need cables and controls. Need specs on cables for procurement
 - Will use old mounts for actuator and detector as much as possible.
 - Still needs new target
 - Still needs alignment
 - still needs leak check



- Cryogenic Moller Polarimeter

This is a new self-contained cryogenic magnet. It has been tested and set up Ethan and Javier.

- **The rest of this is on hold for operational Hold for operational Cryogenic Moller Polarimeter Magnet is currently in magnet test being mapped**
- Disassemble old Moller target.
- Remove upstream girder
- Install new support
- Re-install upstream girder
- Install new Moller Polarimeter
- Align magnet
- Rout and connect magnet and target power and controls
- In place operational checkout of mechanism
- Close up beam line and leak check
- Align target
- Cool down and operational checkout of magnet in place

- Raster.

- Existing tubes have been removed and installed in Hall C
- New tubes need to be coated in September/ October and installed
- If problems arise with ceramic tubes we have a SS tube to install in the interim/
- Coils need to be reinstalled and tested
- Will need leak check
- Will need to be aligned