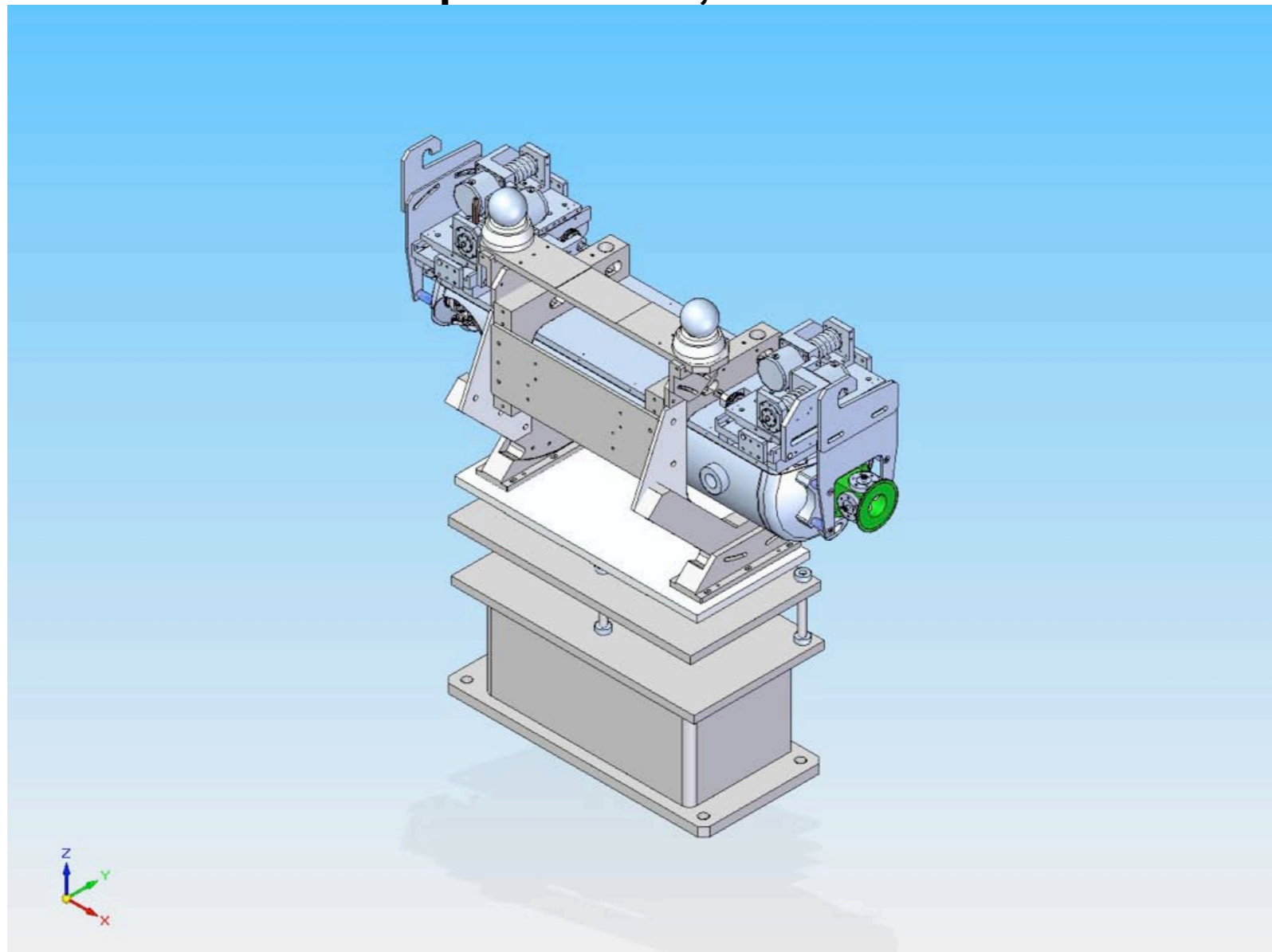


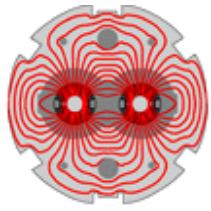
LARP

LARP Phase II Secondary Rotatable Collimator

5 minute status report

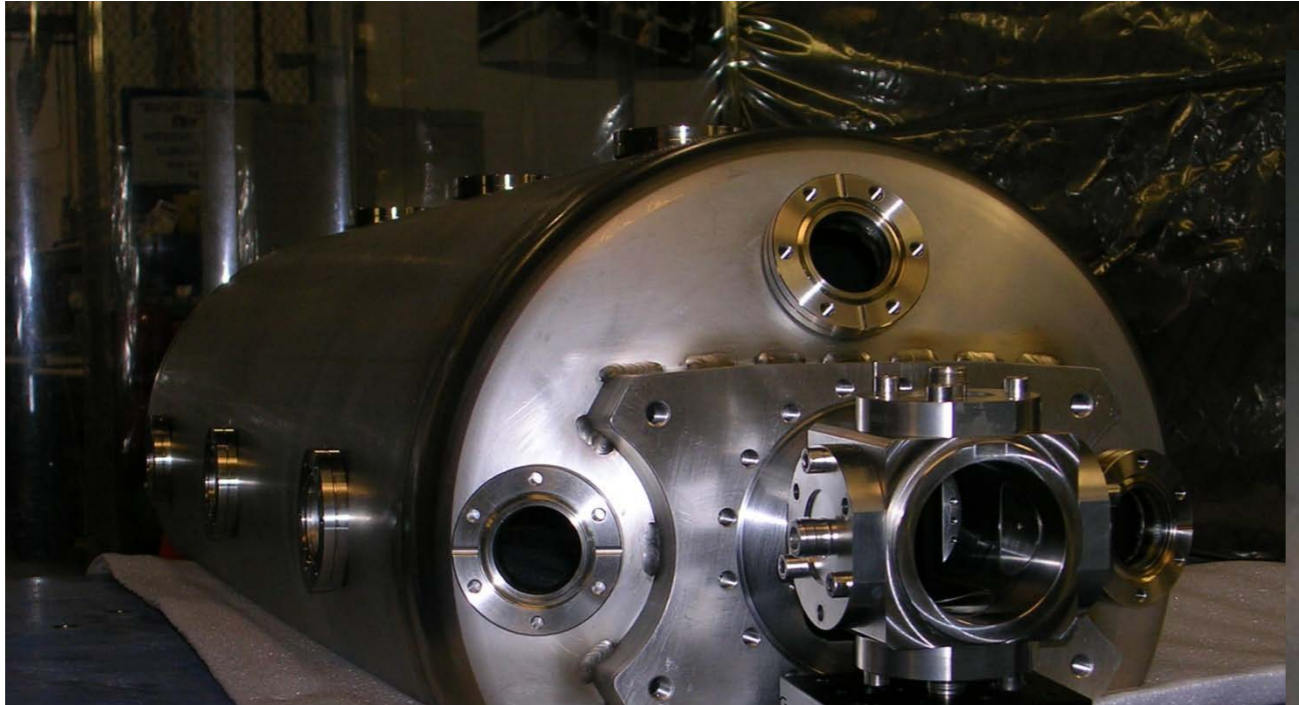
April 26th, 2010

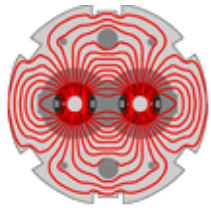




LARP

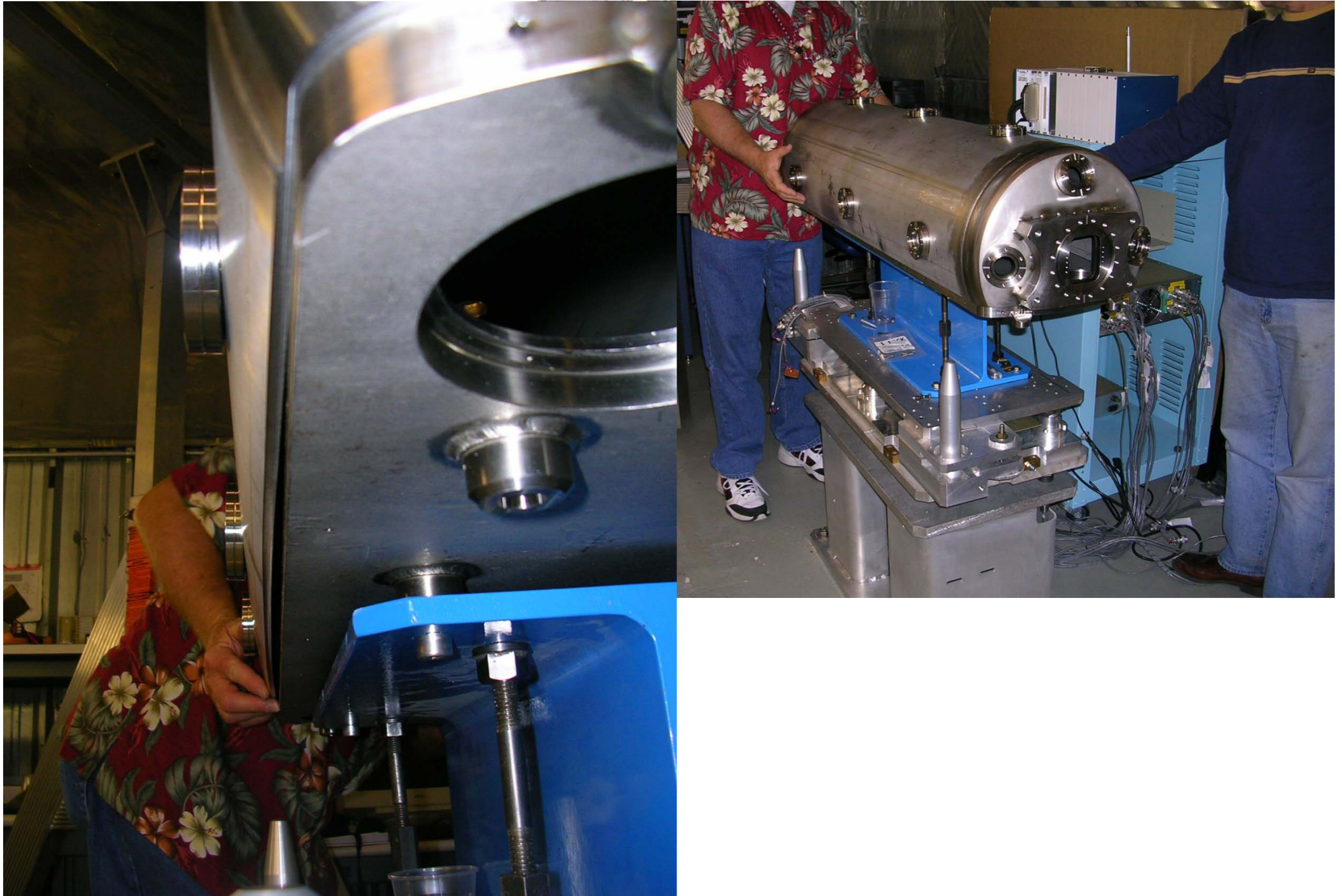
SPS Tank and BPM housings

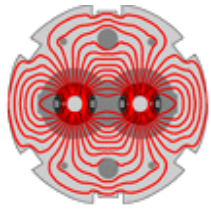




LARP

Resting on Base Plate





LARP

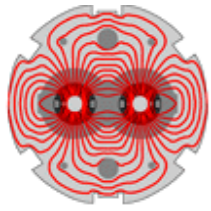
RF Foils



- BeCu and Glidcop

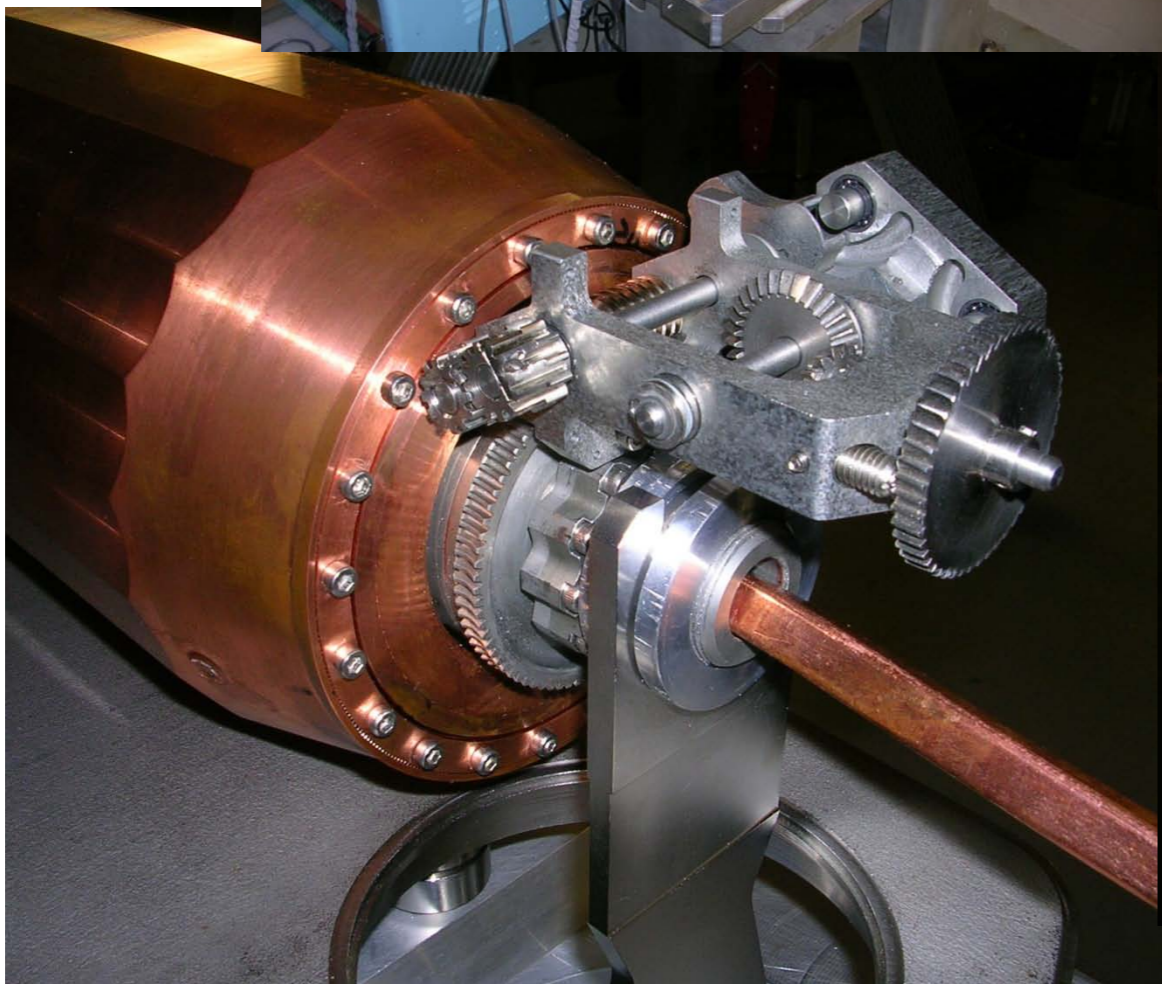
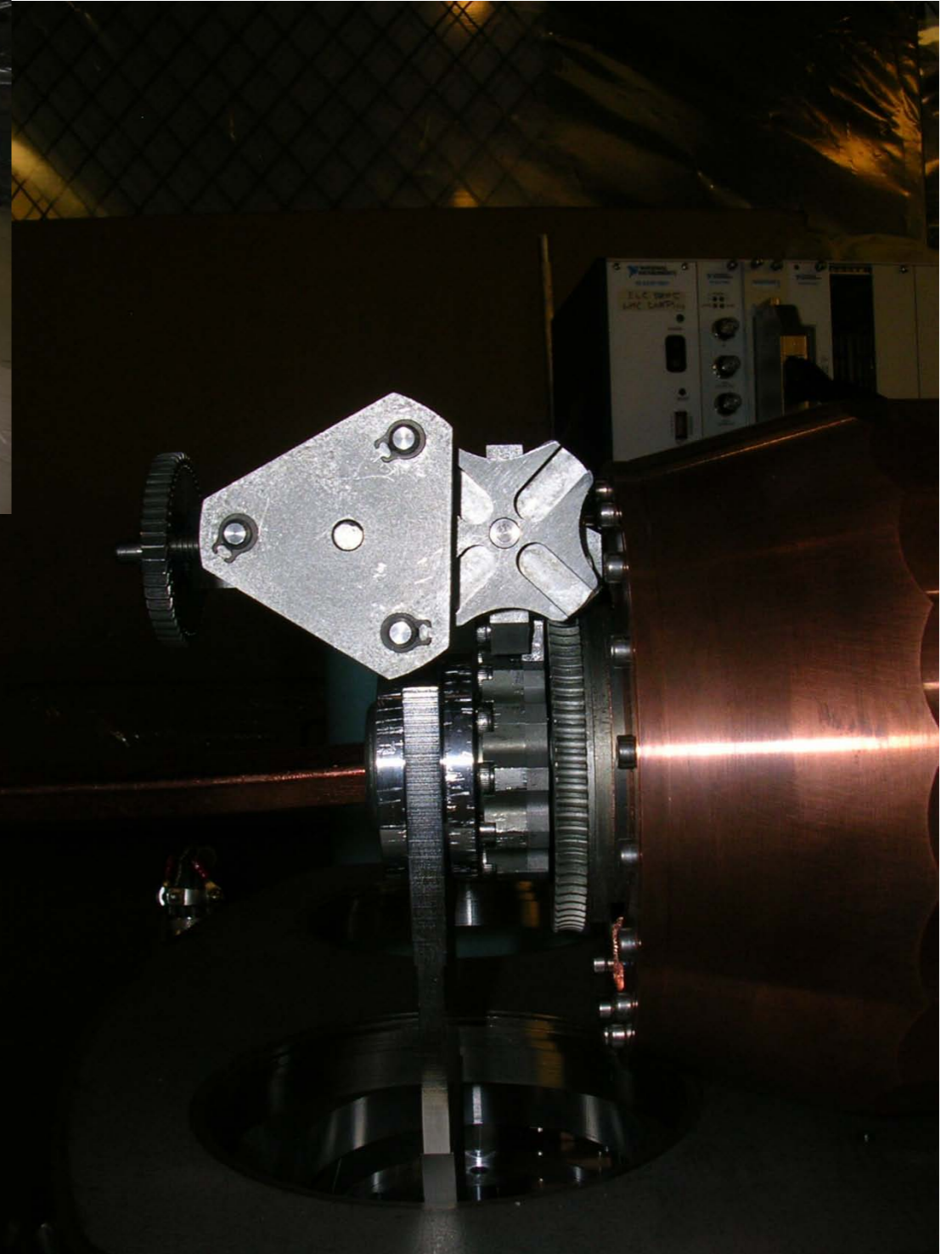
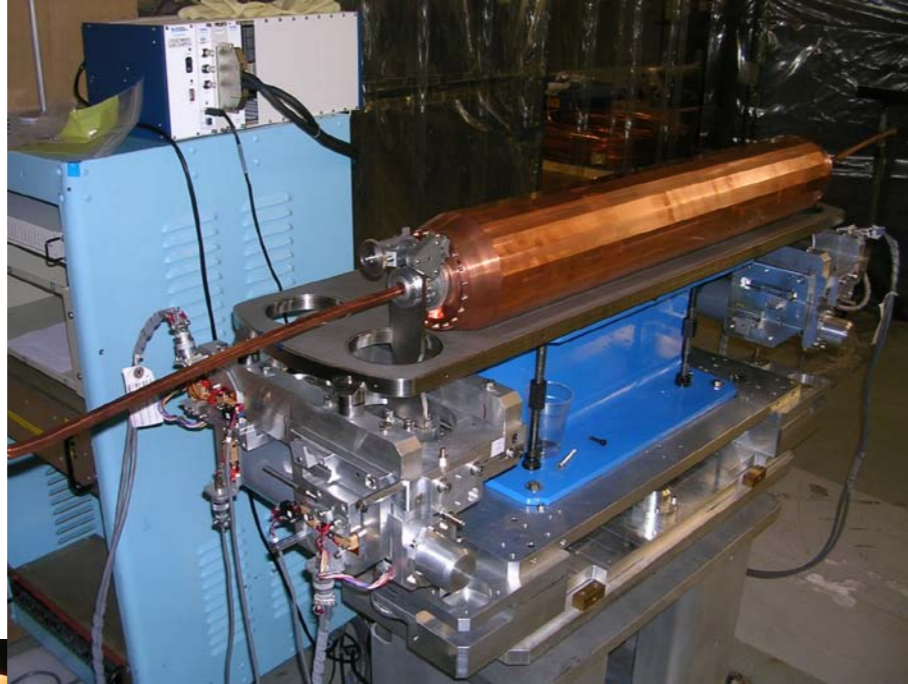
0.25 and 0.2mm thick





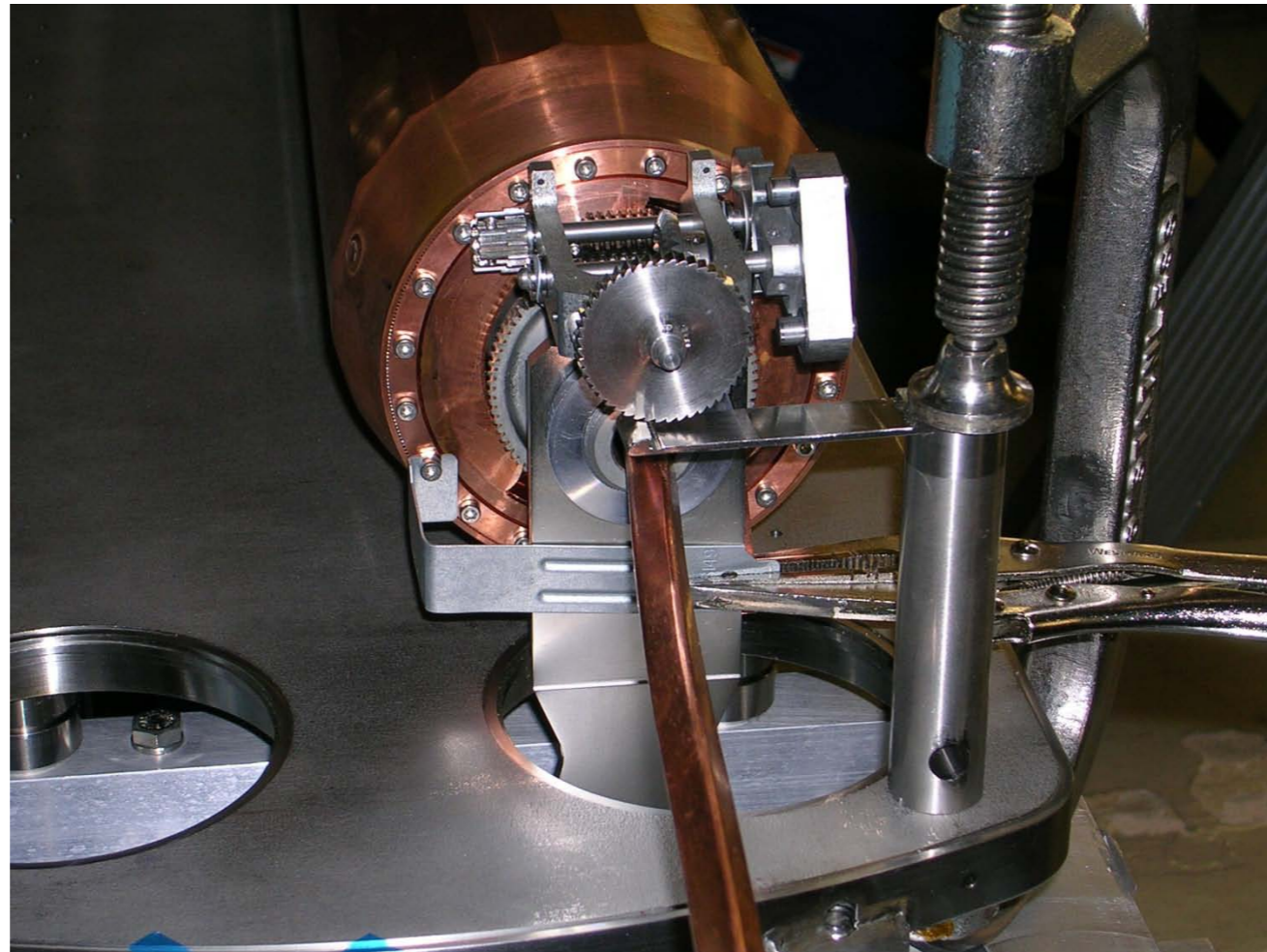
LARP

Rotator mounted to Jaw



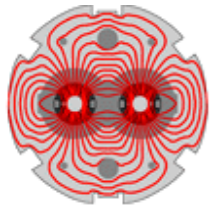


Rotator/actuator set-up for prototype tests



http://www-project.slac.stanford.edu/ilc/larp/rc/Photos/2010-04-22_rotation_mechanism_test/DSCN2398.MOV

http://www-project.slac.stanford.edu/ilc/larp/rc/Photos/2010-04-22_rotation_mechanism_test/DSCN2400.MOV

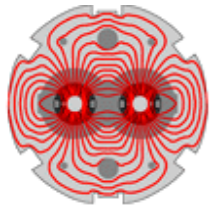


LARP

Next :Rotator qualification



- Align Rotator worm with respect to Jaw facet and pin worm to axle
- Grip inlet cooling tube and twist to test Rotator “stiffness” and facet backlash
- Grip outlet cooling tube and twist together with the inlet tube to simulate total backlash load
- Grip inlet cooling tube and actuate Motor drive to rotate Jaw against half the torque load
- Add outlet tube and repeat for total load required on Ratchet Actuator and Rotator



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Coming up:



- Mount RF Foils to RF bearings and determine which material and thickness is most suitable
- Weld Flanges on to BPM Housings
- Mount both Jaws, Tank and BPMs for Stretched Wire tests