

FACET Laser Update

14th March 2013

(Put together by Christine Clarke but with many thanks to Selina Li for the content!)

The laser transport line is nearly completed- all the components in the tunnel have been installed and leak-checked. The transport line in the Klystron Gallery is due for completion on the 27th, to coincide with a LCLS PAMM day for good work planning and control.

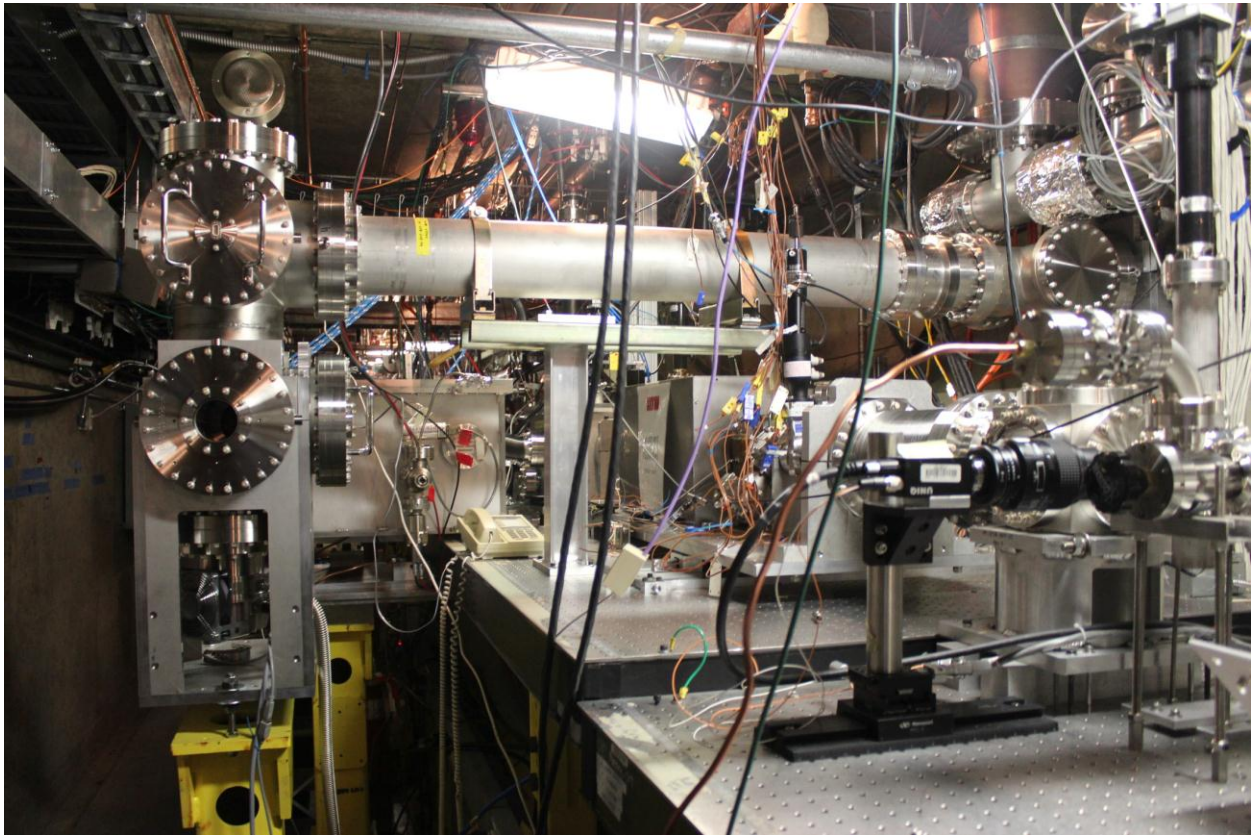


Figure 1: Laser Transport line in the tunnel is installed along with the compressor box and a chamber for integration with the FACET beamline.



Figure 2: Laser transport line in Klystron Gallery.

Work is also ongoing in the new FACET Laser Room to prepare the tables and infrastructure for the lasers. Power and water is due to be complete on the 27th to coincide with an LCLS PAMM.



Figure 3: FACET Laser Room with three optical benches for FACET and also LCLS laser work (One Lab!).

In the next week, we expect to receive delivery of the mirror mounts and picomotors plus the compressor components (gratings, retro and pickoff assembly).

Project completion and Commissioning is anticipated on April 19th.