

# S7 operation update

Eric Dufresne, TRR group meeting, Sept. 14, 2004

Follow up from July 20, TRR meeting

- The month of August was a productive month with several successful experiments.
- Items purchased for 7BM are nearly all in.
- Mirror was received and will be installed on the week of September 27 by Oxford.
- Old 7BM-A beamline design was taken apart in preparation for the mirror installation.

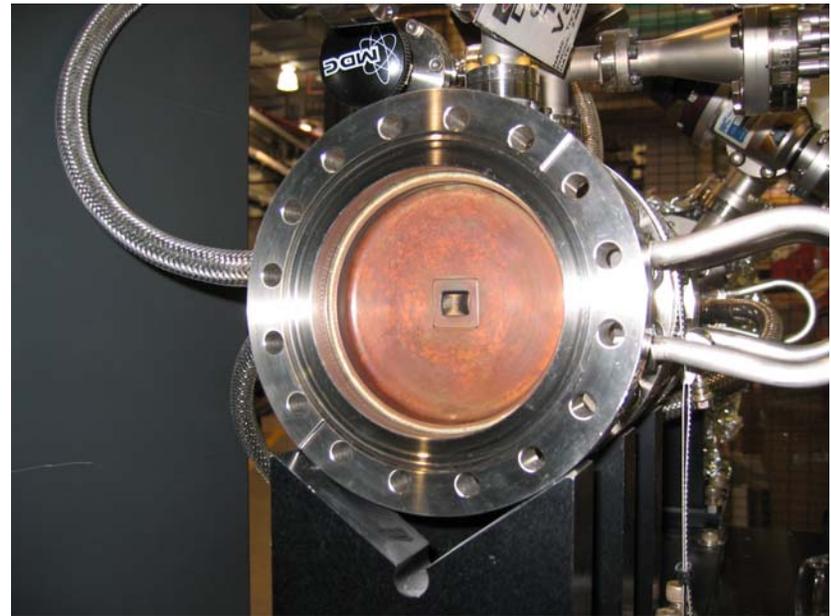
# September shutdown activities

- The 7ID DI water skid was turned off and all the 7ID and 7BM DI water piping was hooked up to the APS DI water system. The water group is now in charge of all Sect. 7 DI water work.
- Don Walko is currently working on installing the broken water pipe inside the micromono tank in 7ID-B. The installation should be completed before the end of the shutdown.
- We have a new Front End small Be white beam window, 10 mils thick, 2 mm x 3mm opening in 7ID-A. ED and BA took careful measurements of the beam profile in 7ID-B in late Aug. and plan to take another set of measurements in the first week of operation to compare the beam profile with the new and old window. (photos next)
- The 7ID-A monochromator was warmed up to air and will be cooled down again at the end of the shutdown.
- Ongoing work by Dohn Arms on the 7ID-A and the motor crate at the end of the sector to upgrade the IOC to PPC.
- EL designing laser labyrinth for 7ID-E.

## Shutdown in pictures: old commissioning window

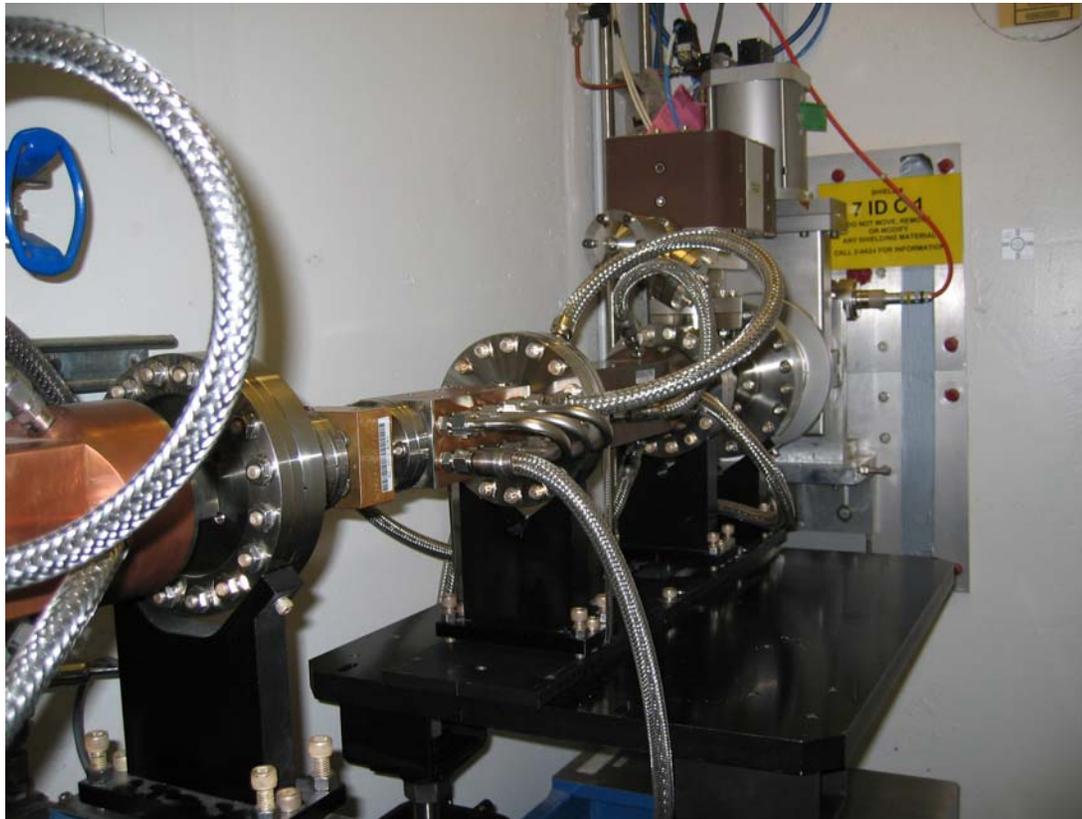


Old-CW: Input CVD diamond  
And graphite window and mask.



Old-CW: downstream Be window.

# New commissioning window in 7ID-A



New FE Be window design for 7ID

# Shutdown in pictures (cont.)



New optical table (left) replaces motorized table (right) that will be installed in 7ID-D.