

# S7 operation update

Eric Dufresne, TRR group meeting, July. 31, 2007

- 2 new 3-phase outlets were installed in mid-June 2007 to allow commissioning of the sector 7 displacer in the wet lab.
- The new laser chiller was installed June 14 and has been working well since. The old chiller was repaired and should provide a useable spare.
- One of the Pockel cell drivers burned out in the regenerative amplifier. EL borrowed a driver from SLAC, then received a new driver from Coherent and repaired the amplifier. Although we had x-rays, we were not able to do pump-probe experiments from June 21-26, 2007. X-ray only experiments went on with the Pilatus instead.
- In preparation for the lab wide Safety day on July 19, the sector labs and area were cleaned up extensively.

# S7 update (cont.)

- The 7ID-C is now running EPICS 3.14 since Jul. 11. This upgrade fixed a bug to the XIA filter unit control program.
- Work is on-going to design an exhaust system for hazardous gases on sector 7. EL and Steve Southworth have specified the system being engineered by APS-AES.
- Dohn Arms set up a web interface for the 7ID-E Tektronic scope. This is a helpful diagnostic for the laser.
- Some new electrical outlets will be installed in 7ID-B to improve cable management in this hutch. The work was completed today.
- DA set up paint can in every hutch to dispose of used Pb tape. Please encourage our users to use these cans for Pb disposal.
- DA has set up a new web cam server for the 7ID-C hutch.
- EL has submitted a purchase order for an upgrade to the laser oscillator. The new oscillator from Coherent should improve timing and power stability of the amplified laser system.