

Cryogenics for ILC TA

- Current Status
- Plans and issues

Current Status

ILCTA MDB

- CapCav II operation – active, shutdown is set for 9/11/06
- HTC cryogenics
 - Feed box - done
 - Pumping line - done
 - Supply transfer line – done
 - Controls - 95% done
 - Warm-up lines – done
 - Final installation and safety review – in progress
 - Test cryostat work - in progress

Current Status (cont'd)

ILCTA NML

- Remove oil from the NML heat exchanger and the valve box— **done**
- Install the Valve Box to heat exchanger transfer line — **in progress**
- Start Lab B Mycom compressor piping— **bids are due September 9th, 2006**
- Start NML heat exchanger piping work — **in progress**
- Finish the FRICK compressor testing— **done**
- Start APACS crates assembly and installation - **done**
- Installed LN2 bayonet can — **done**
- Finish LN2 transfer line fabrication — **done**
- APACS to local PLC communication tests— **done**
- APACS configuration and channels assignment- **in progress**
- Electrically connect UPS, wet and dry engines — **on hold**
- Repair Helium gas storage tanks
- Installation of the gas storage tanks foundations - **in progress**
- Install Helium gas inventory piping - **in progress**

Plans and issues

Plans

- Dual refrigerators testing and operation
- Finish cryogenics infrastructure for HTC
- Safety panel recommendation to approve HTC operation
- Start Lab B Mycom compressor piping
- Install the Valve Box to heat exchanger transfer line
- Finish NML heat exchanger piping work
- Electrically connect UPS, wet and dry engines
- Finish APACS crates assembly and installation
- Continue with layouts and mechanical design

Issues

- Resource availability