
ILCTA-MDB Status
1.3 GHz RF Power
3.9 GHz RF Power
Meson Detector Building
May 18, 2006

[John Reid]

1.3 GHz RF Update

Capture Cavity II Status

- No Change from last month.
- Cavity warmed up on 3-29-06 for Cryo modifications to operate at 1.8 K.
- Changed power limited klystron (YK-1240) with rebuilt tube.
- Starting to condition rebuilt klystron.

Work in Progress

- 3.9 GHz 80 Kwatt Klystron
 - Klystron & Solenoid in house
 - Presently assembling components into relay rack.
 - Klystron
 - 50 KV Isolation transformer
 - Filament transformer + Sola
 - Solenoid power supply
 - Water manifolds, turbine, hoses, etc.
 - Klystron interlocks
 - Ready for installation at Meson Detector Building June 1.
- 3.9 GHz waveguide components
 - Most components in house, ordering some additional components for coupler testing & Horizontal Dewar.
 - WR-284 waveguide switches
 - Stub tuner
 - Dummy loads

Work in Progress

- Two additional small 60 KV modulators.
 - At 25 % complete.
 - No progress the past 3 weeks. Work will restart at end of present accelerator shutdown.
- Building one additional 70 KV charging Supply.
 - At 15 % complete.
 - No progress the past 3 weeks.
 - Work will restart at end of present accelerator shutdown.