

# DVCS weekly meeting

September 7th, 2010

# Installation in Hall A

- ▶ All calorimeter channels operational (tested with LED)
- ▶ Most of the survey done
- ▶ LED working
- ▶ DC monitoring working
- ▶ ...

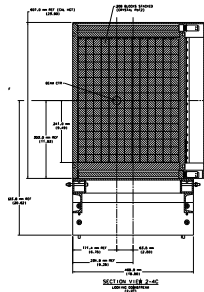
# Calorimeter survey

- ▶ Block positions surveyed last Tuesday (no results yet)
  - ▶ Front face flat within 0.5 mm
  
- ▶ Calorimeter aligned last Friday (preliminary results below)

# Calorimeter alignment

Location	X (m)	Y (m)	Z (m)	dx (mm)	dy (mm)	dz (mm)	dYaw °	dPitch °	dRoll °
1.1 M	-32.0883	100.0220	-393.7041	-0.22	0.46	0.27	-0.004	-0.093	0.010
5.5 M	-28.6079	100.0220	-396.3960	-0.70	1.92	0.41	-0.026	-0.134	0.076

- ▶ Z=0 interception at 1.1 m (at 14.78 deg):
  - ▶ X = -0.07 mm
  - ▶ Y = -1.22 mm
- ▶ Z=0 interception at 5.5 m (at 14.78 deg):
  - ▶ X = -0.59 mm
  - ▶ Y = +1.92 mm



- ▶ If satisfied, Ed will bolt the permanent stand
- ▶ Might need resurvey, after load is transferred from cartridges to stand

# Decoding scripts

- ▶ Decoding scripts ( "onlana.C" ) working:
  - ▶ Output ROOT file contains both HRS & DVCS tree structure
  - ▶ Decoding of calorimeter ARS implemented
  - ▶ TODO: calorimeter trigger information
- ▶ Scripts setup to (automatically) decode runs in the batch farm

# DAQ

- ▶ CODA configuration with 2 ARS crates working
- ▶ New ARS firmware (faster readout)
- ▶ Logic unit implemented into trigger control FPGA

## Plan for the week

- ▶ Re-cable calorimeter and re-test channels
- ▶ Adjust HV with cosmics
- ▶ Time calorimeter signal with cosmic paddle
- ▶ DAQ & software development