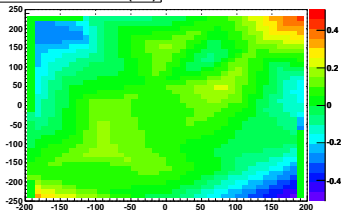


# Mechanical design

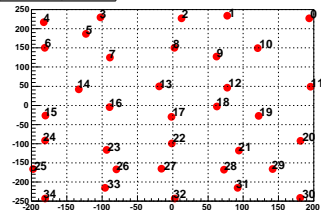
- ▶ Top plate of 1 of the black boxes replaced by aluminum.
- ▶ Survey of the calorimeter block positions performed last Friday.

# Z-coordinate of blocks

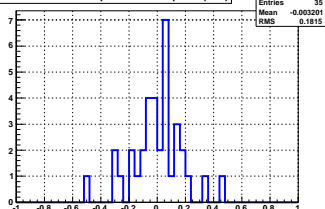
Front face z-coordinate (mm)



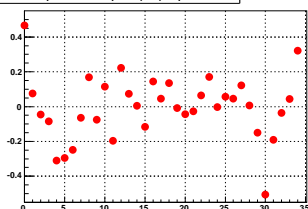
Measured positions



Distance of measured points to best plane (mm)

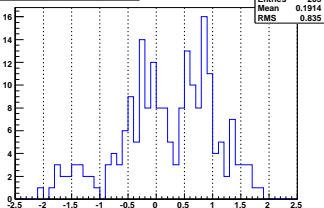


Distance of points to best plane (mm) vs point number

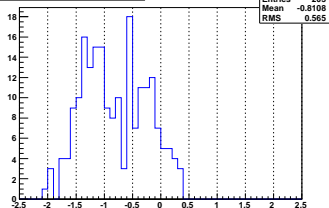


# XY-coordinates of blocks

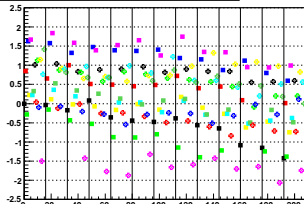
X-position deviations (mm)



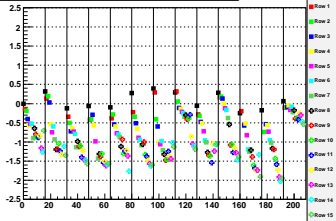
Y-position deviations (mm)



X-position deviations (mm) vs block number



Y-position deviations (mm) vs block number



# Tests with cosmics

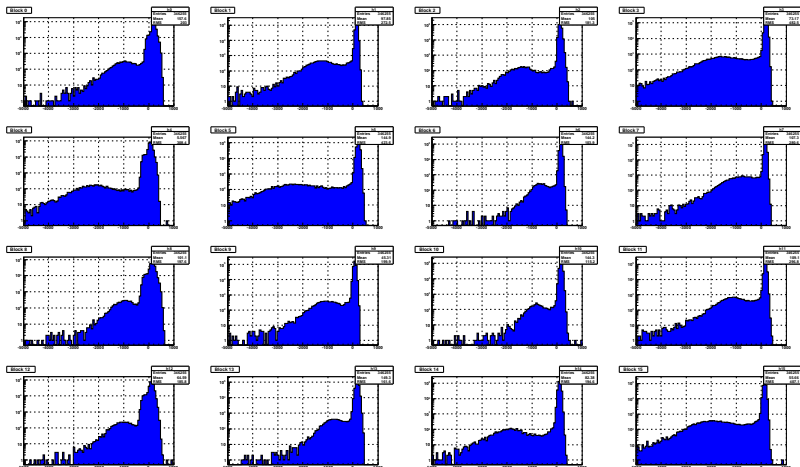
PMT problem (channel 31):

- ▶ Examined by M. Crouau at LPC:  
no current leak observed, no signal observed
- ▶ PMT base was mounted incorrectly (90° turn).  
PMT is working with properly mounted base.

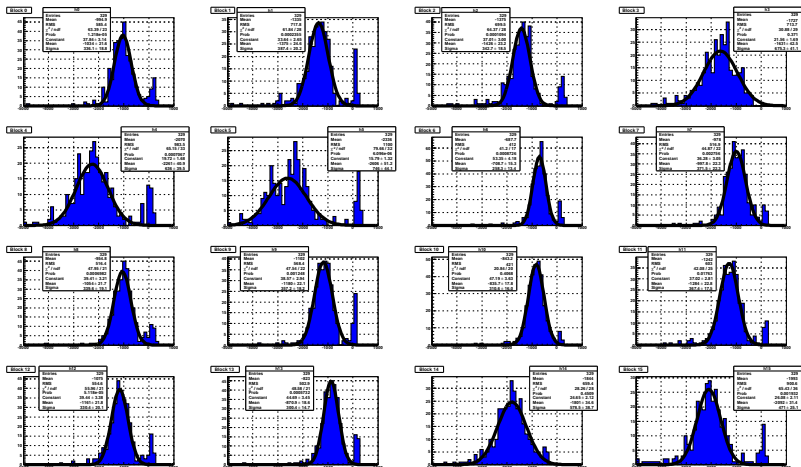
New problems observed:

- ▶ Channel 87: same pb as channel 31 ( $\Rightarrow$  base to be checked)

# Cosmics run (2nd column, HV=650V)

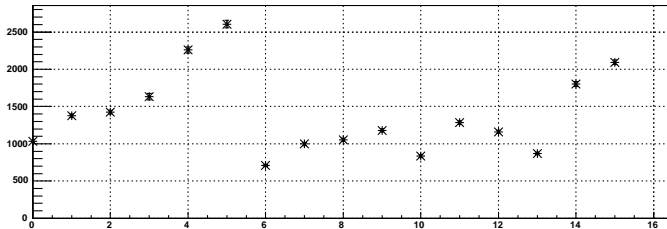


# Vertical cosmics (329 events)

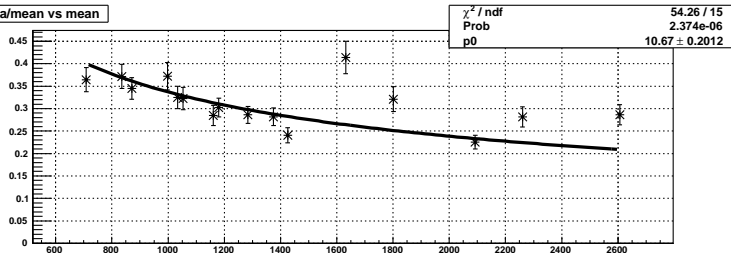


# Fit results

Mean energy deposit (ARS channels)



Sigma/mean vs mean



# DAQ

- ▶ Met with D. Abbott to investigate bus errors in event transfers.
- ▶ Boards (sometimes) not responding when they are required to send data.
- ▶ VME trace sent to Magali for analysis.



## Plan for the week

- ▶ Continue work on DAQ...
- ▶ Move 55m cables to Hall: pull them out & label them