Progress Report on Shower Calibration and DAQ setup

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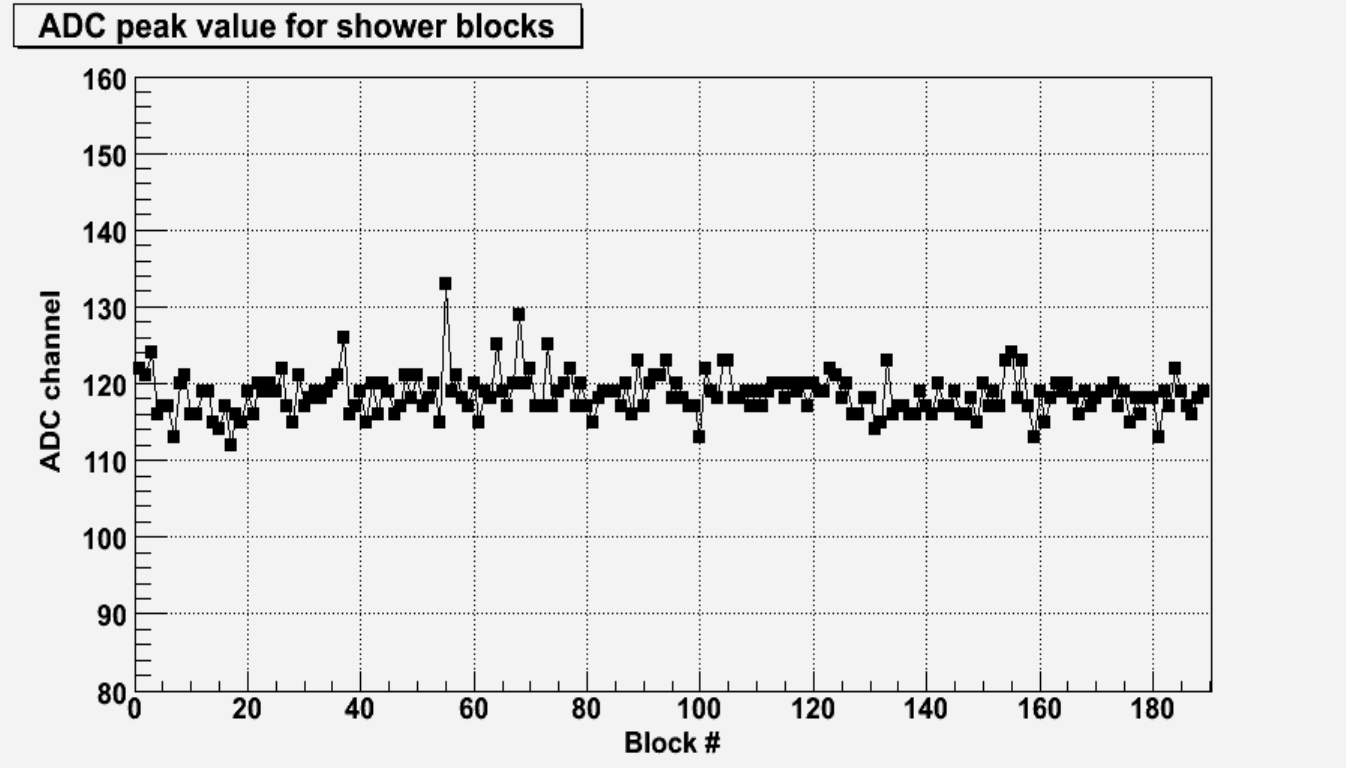
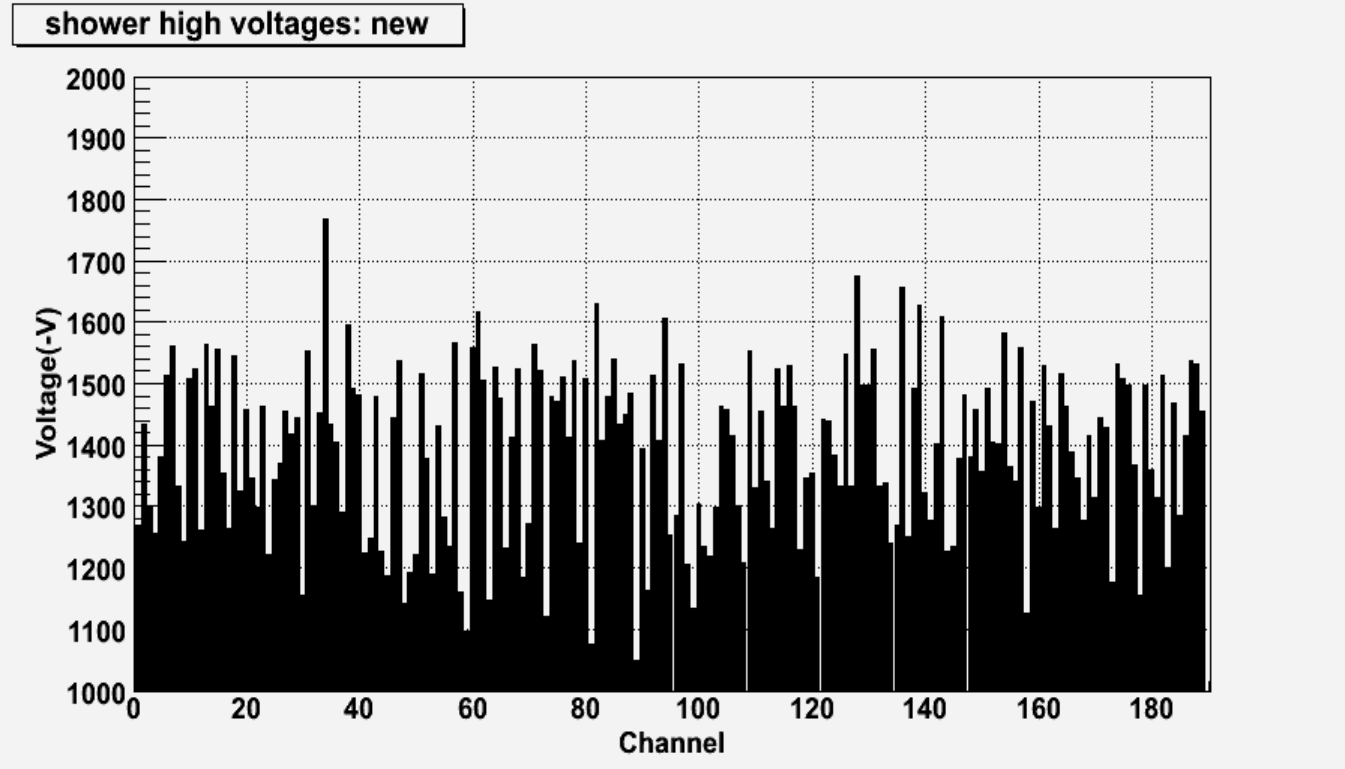
Shower Calibration



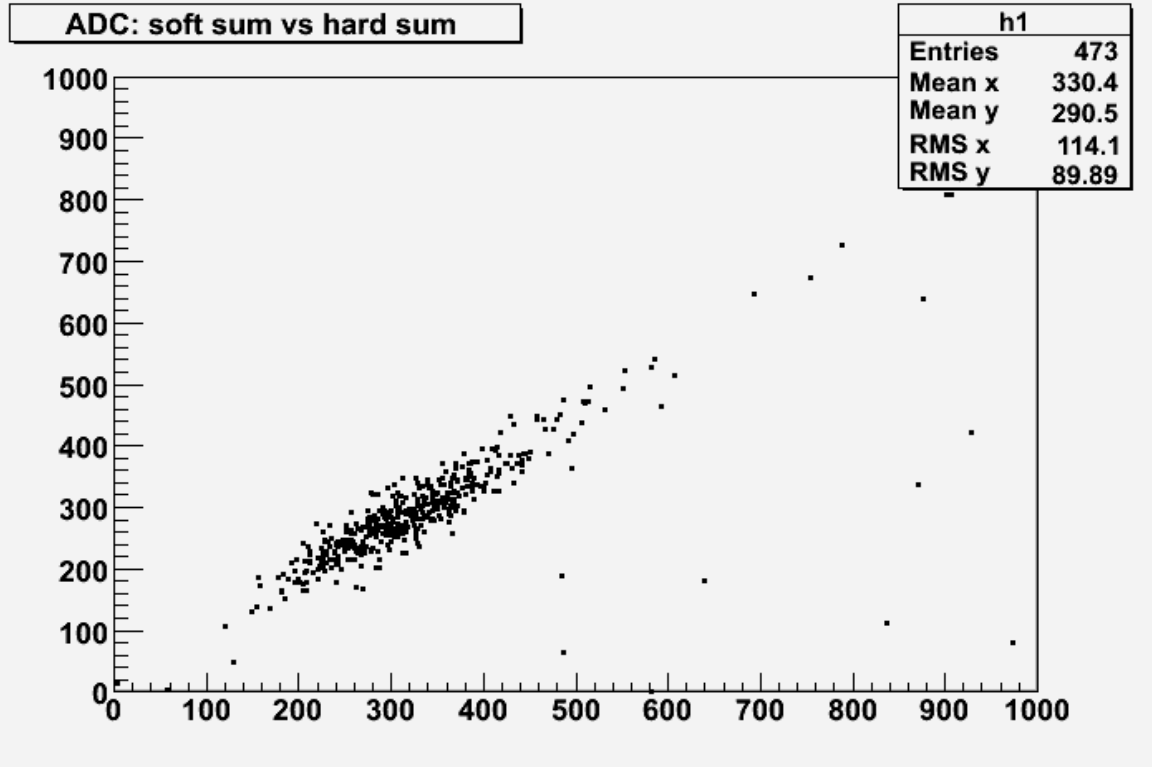
- ADC peaks were adjusted to 120 channel
- All channels are working fine

High Voltage



- pedestals are 5-10 channels wide

Shower Sum



- software sum vs hardware sum for a (vertical) pair of modules passing the near vertical track cut.

Shower Sum

DAQ setup

- Working setup of DAQ with trigger supervisor (any combination of FASTBUS and VME crates) is ready.
- Currently only Bigbite calorimeter is being read
- Chamber II will be connected soon and tested
- SIS 3800/3801: normalization scalers - atleast 32 channels
- Double gating: Target pol = 0 (hel= +, hel= -)
  Target pol = 1 (hel= +, hel= -)
- Test all scalers in the testlab with double gating.
- Other scalers units for diagnostic purposes - need around 100 channels

Conclusions and work to be done before Dec07

- Cosmic calibration/testing of shower package is complete - looks all fine.
- Basic DAQ setup with trigger supervisor have been setup (minor problems).
- Scalers have to be tested in the testlab – currently working on it.
- Preshower have to be tested/calibrated when it is ready - will be quick, analysis scripts are ready.
- Chamber II have to be tested using FASTBUS readout.

Thanks to..

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- Brad Sawatzky
- Albert Shahinyan