

Third Weekly Microboone Meeting

Connor Callahan
Hardware

TPC Crate Tests

- Things are moving much more smoothly.
- Commencing Crate 7 of 9
- Some DMA timeout errors in crate 4, corrected by replacing the modules
- Running low on FEMs (more on this from Mike)



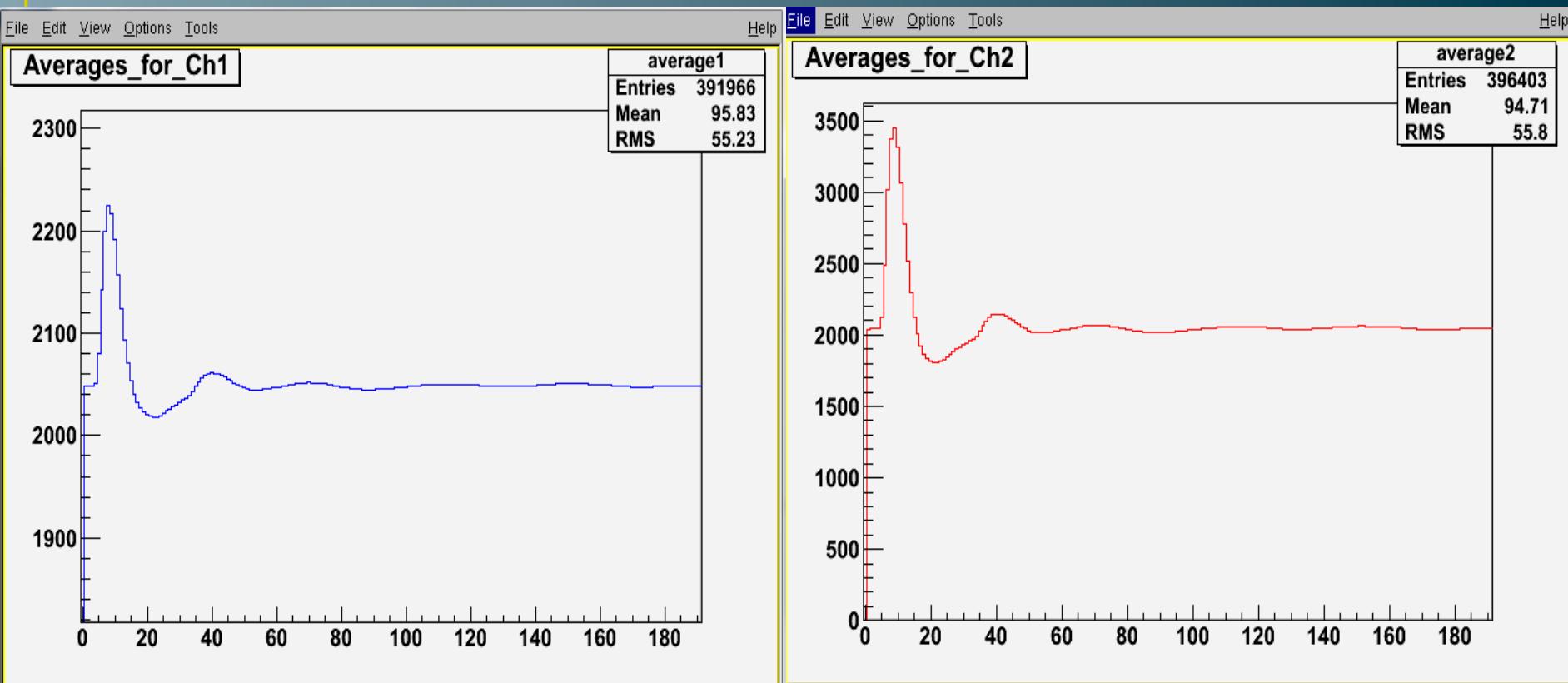
Averages and Normalizations

- Averaging:
 - Takes advantage of the fact we know when the pulse occurs
 - Simple add-up and divide by the number of pulses

Normalization:

- Integrate
- Scale each bin to $1/\text{integral}$
- Get a distribution of the pulse height according to the area of the curve

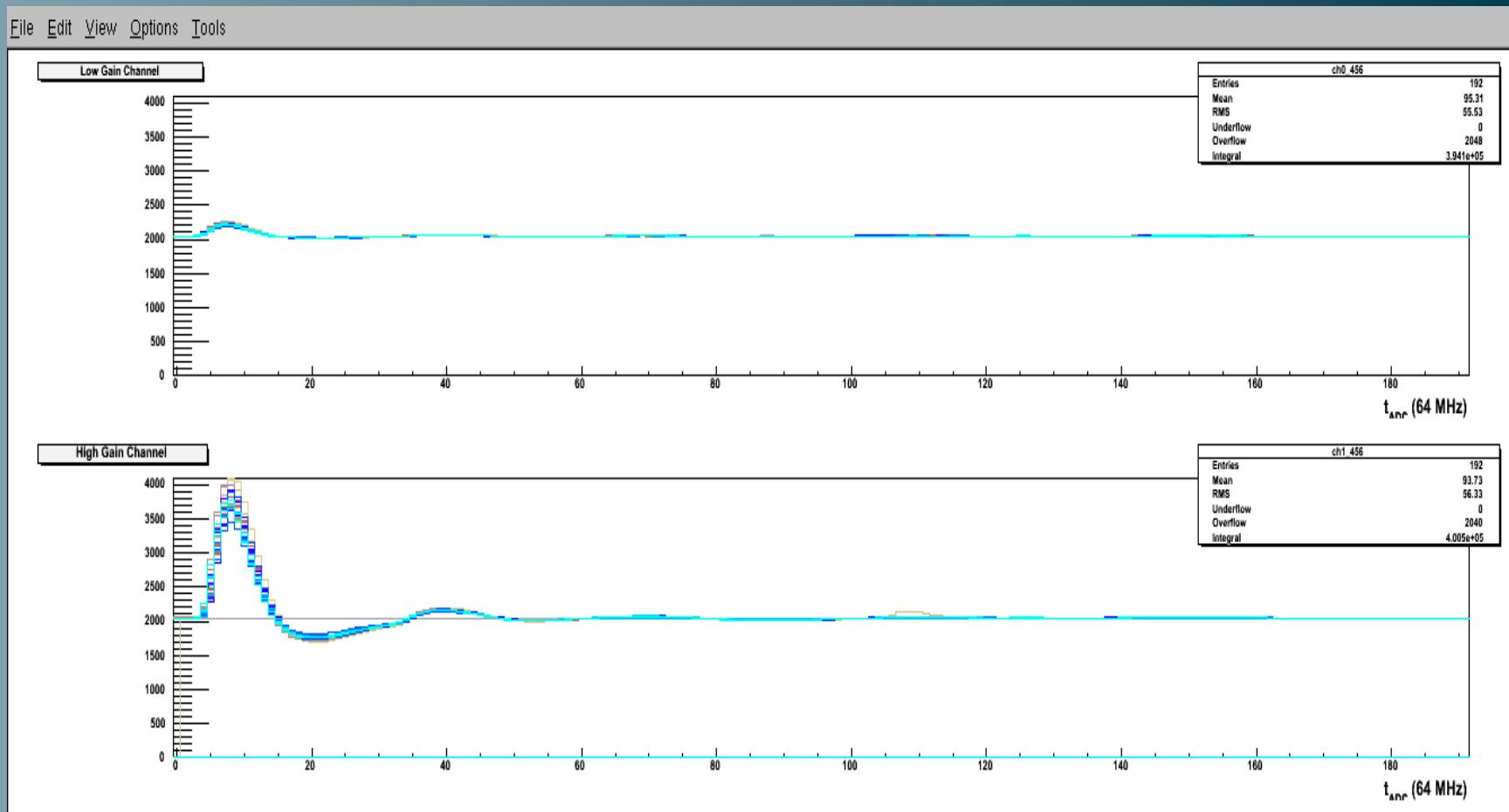
Averages (500 pulses)



Channel 1

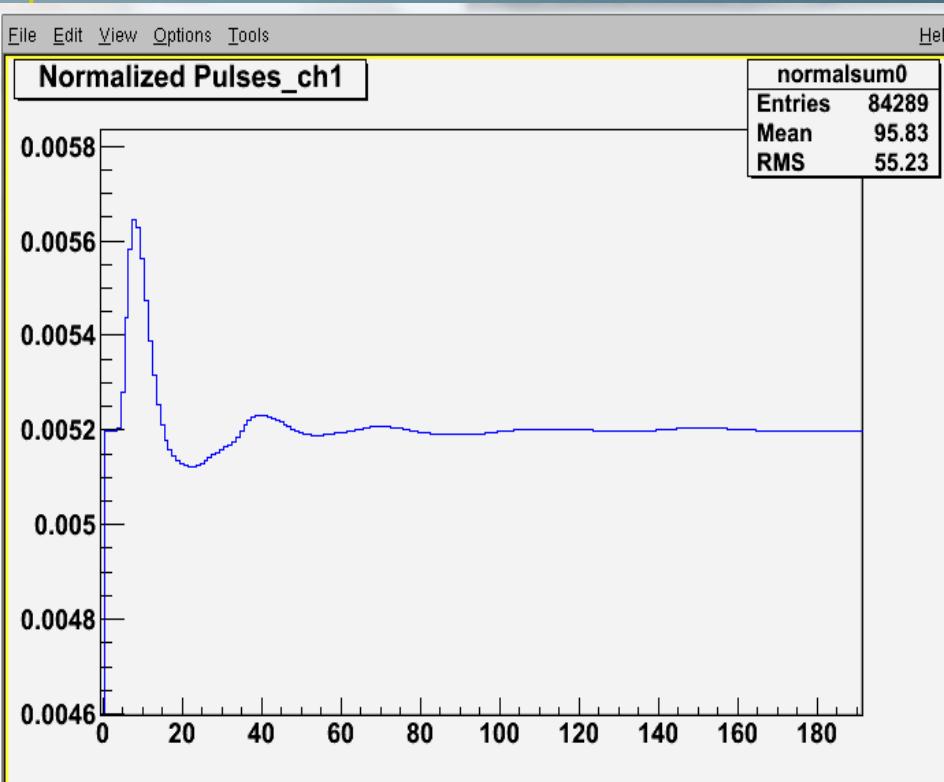
Channel 2

Overlayed Pulses (500 pulses)



Normalized Pulses (500 pulses)

Channel 1



Channel 2

