Third Weekly Microboone Meeting
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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

Entries 391966
Mean 95.83
RMS 55.23

Entries 396403
Mean 94.71
RMS 55.8
Overlayed Pulses (500 pulses)
Normalized Pulses (500 pulses)

Channel 1

Channel 2

Normalized Pulses_ch1

Normalized Pulses_ch2

Entries 84289
Mean 95.83
RMS 55.23

Entries 57793
Mean 94.72
RMS 55.79