

Compton Test Plan

Previous Accomplishments

- Observed individual pulses with FADC
- Observed Compton Edge
- Observed difference in integral between beam on and off

Goals for the Run

- Measure noise when integrating (15 Hz width)
- Evaluate noise due to big bremsstrahlung pulses
- Evaluate other sources of noise
- Measure an asymmetry

Preparation

- New ADC with integrals with cuts
- Understand noise on the bench
- Demonstrate statistics-limited integrals on the bench
- Mounting Hardware
- Accumulator software
- Software coordination (old, detail [5Mbyte], accumulated)

Compton Hardware During Test

- Get IR laser cavity working
- Tune beam with old array
- Swap to crystal with 12-stage PMT
- Background monitor—Old array nearby?