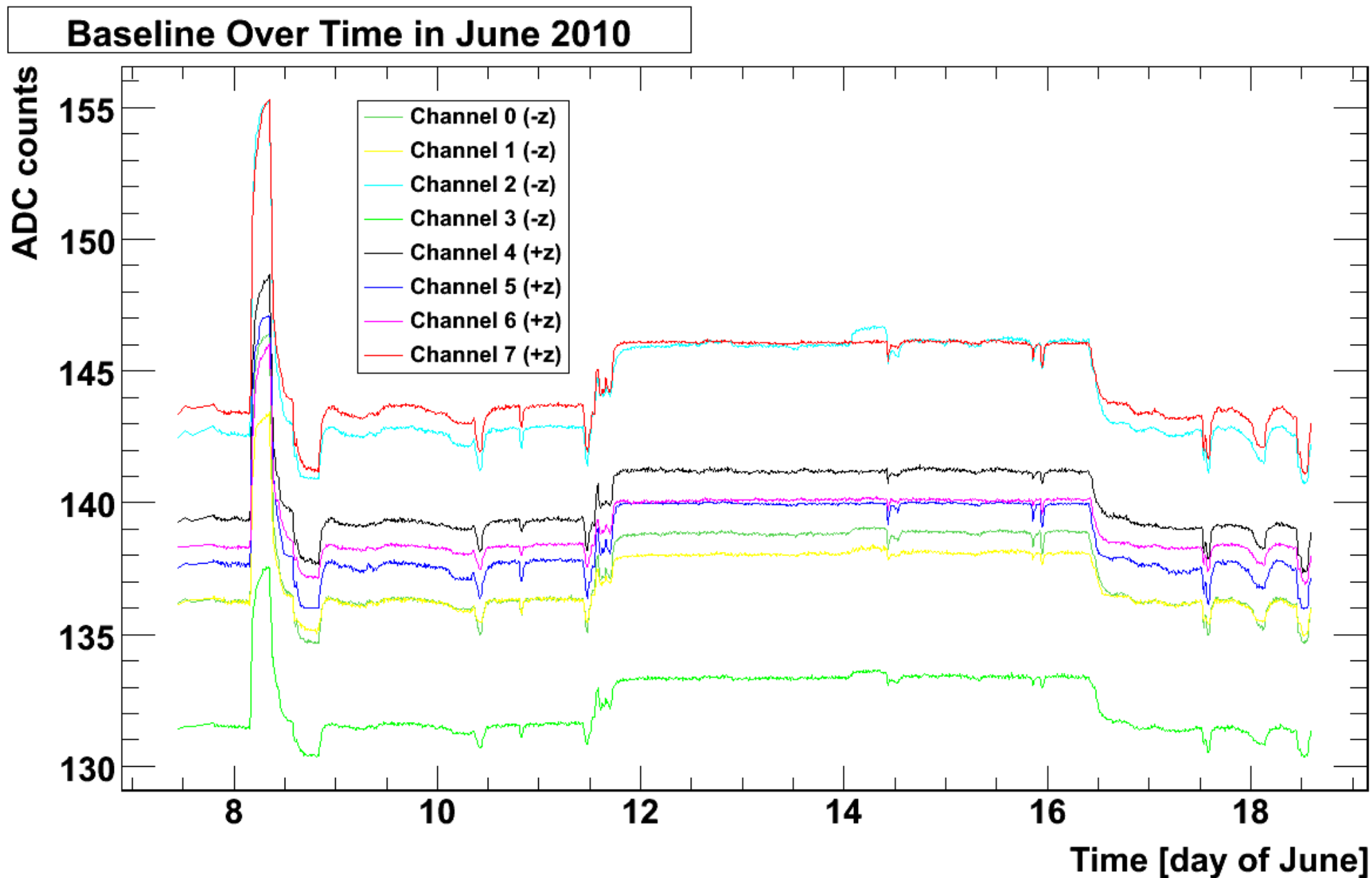


BRM Meeting 2010-06-21

BCM1F ADC Status

- Baseline
- ADC trigger threshold
- Continuous running of the ADC

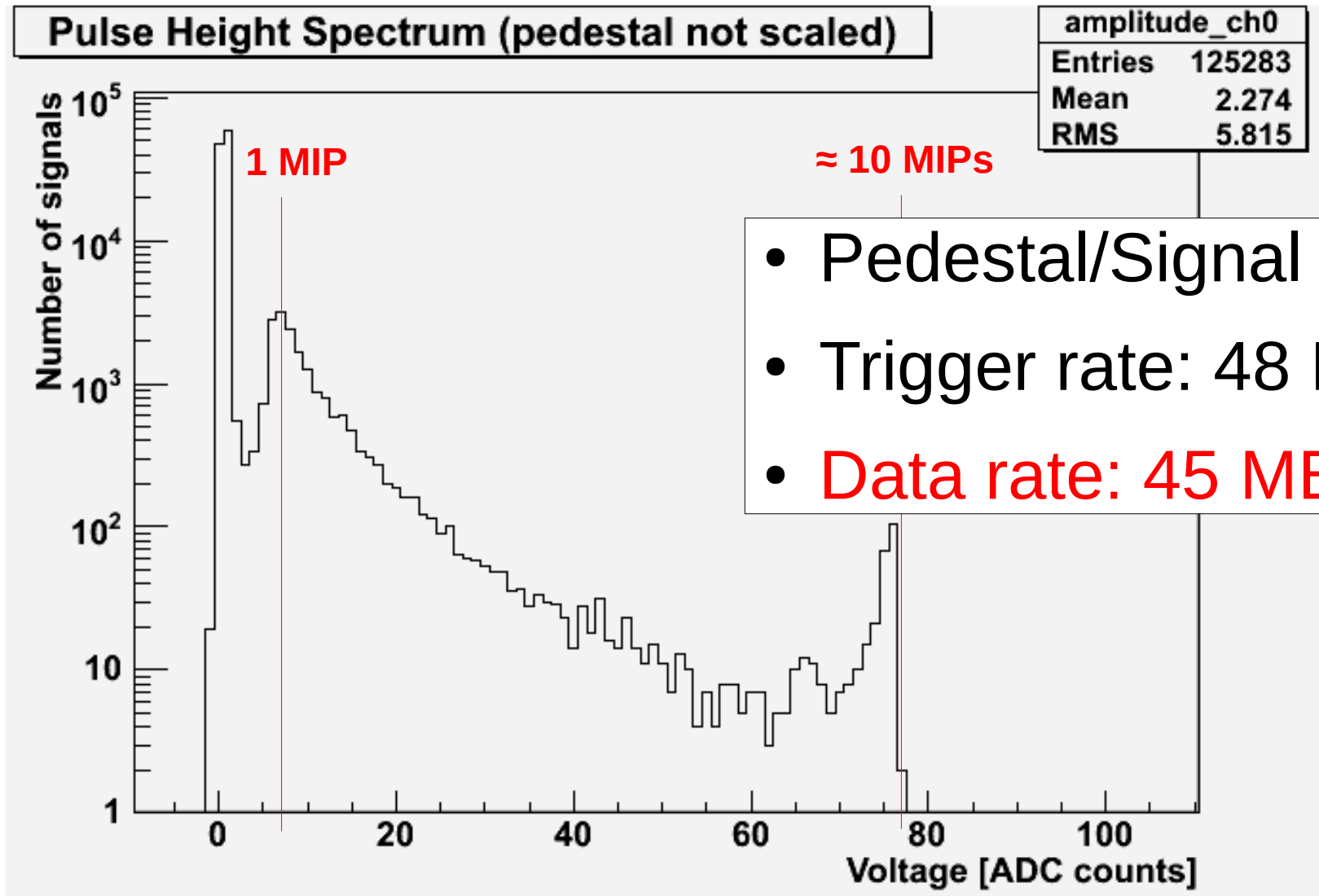
Baseline in June 2010



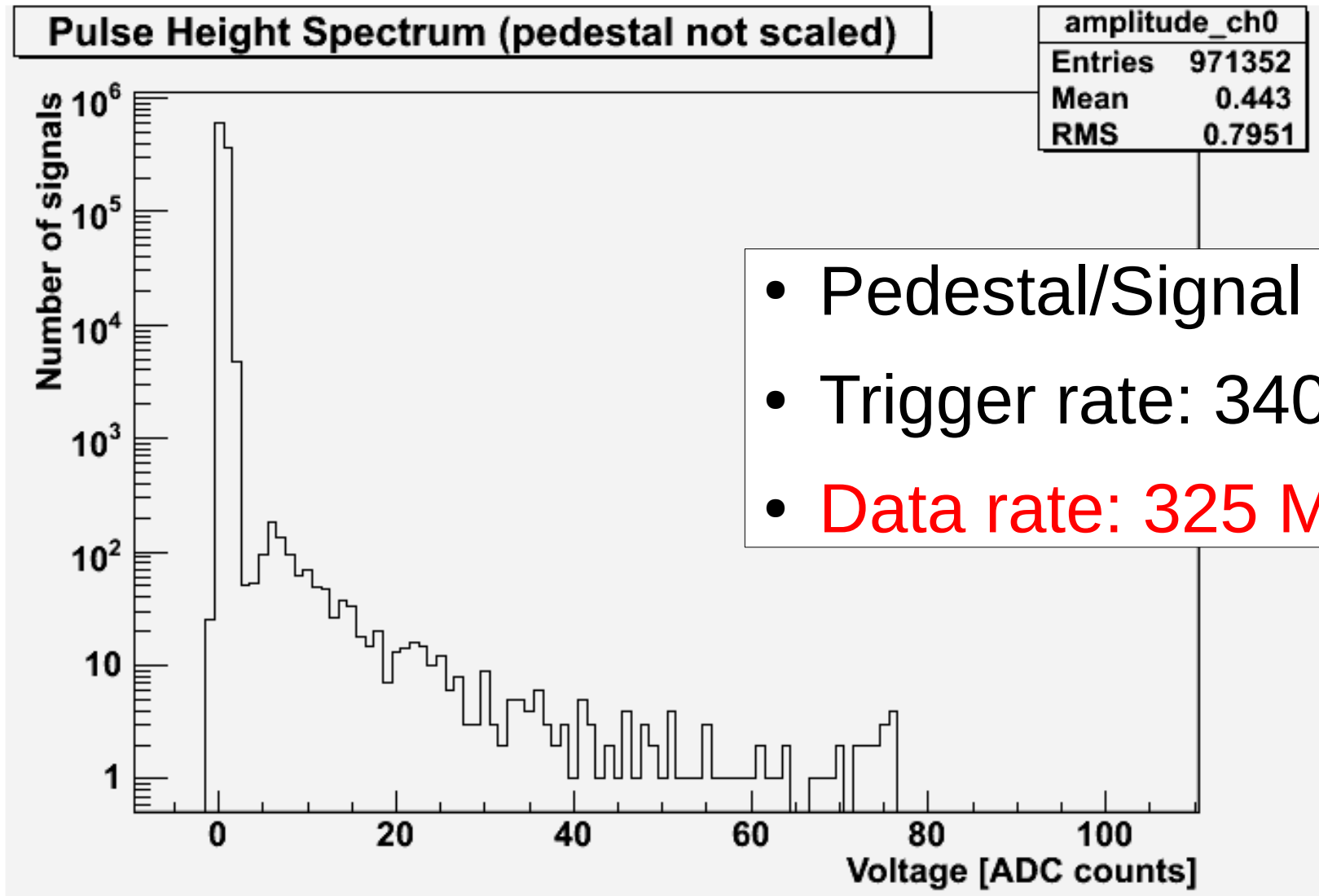
Spectra

- Trigger source for the ADC is BCM1F OR
- Trigger is generated in the VME discriminator
- “Threshold scan” with steady beam conditions
 - 20-06-2010, Fill 1171, $E = 3500 \text{ GeV}$
 - 2×2 bunches, 2 colliding, $I \approx 2 \cdot 10^{11} \dots 1.5 \cdot 10^{11}$.

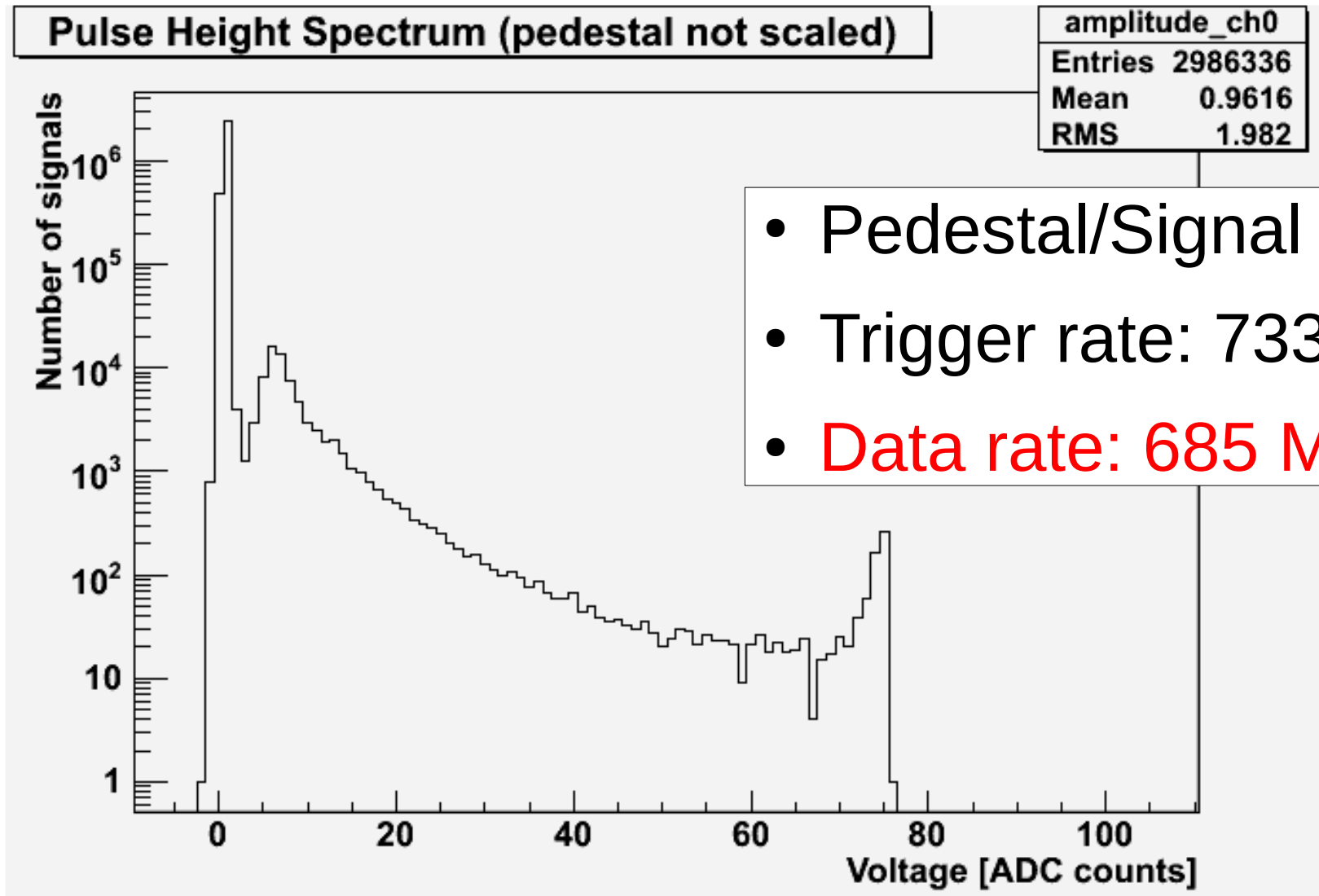
20 June, 4 p.m., -24 mV



20 June, 3 p.m., -20 mV



20 June, 7 p.m., -16 mV

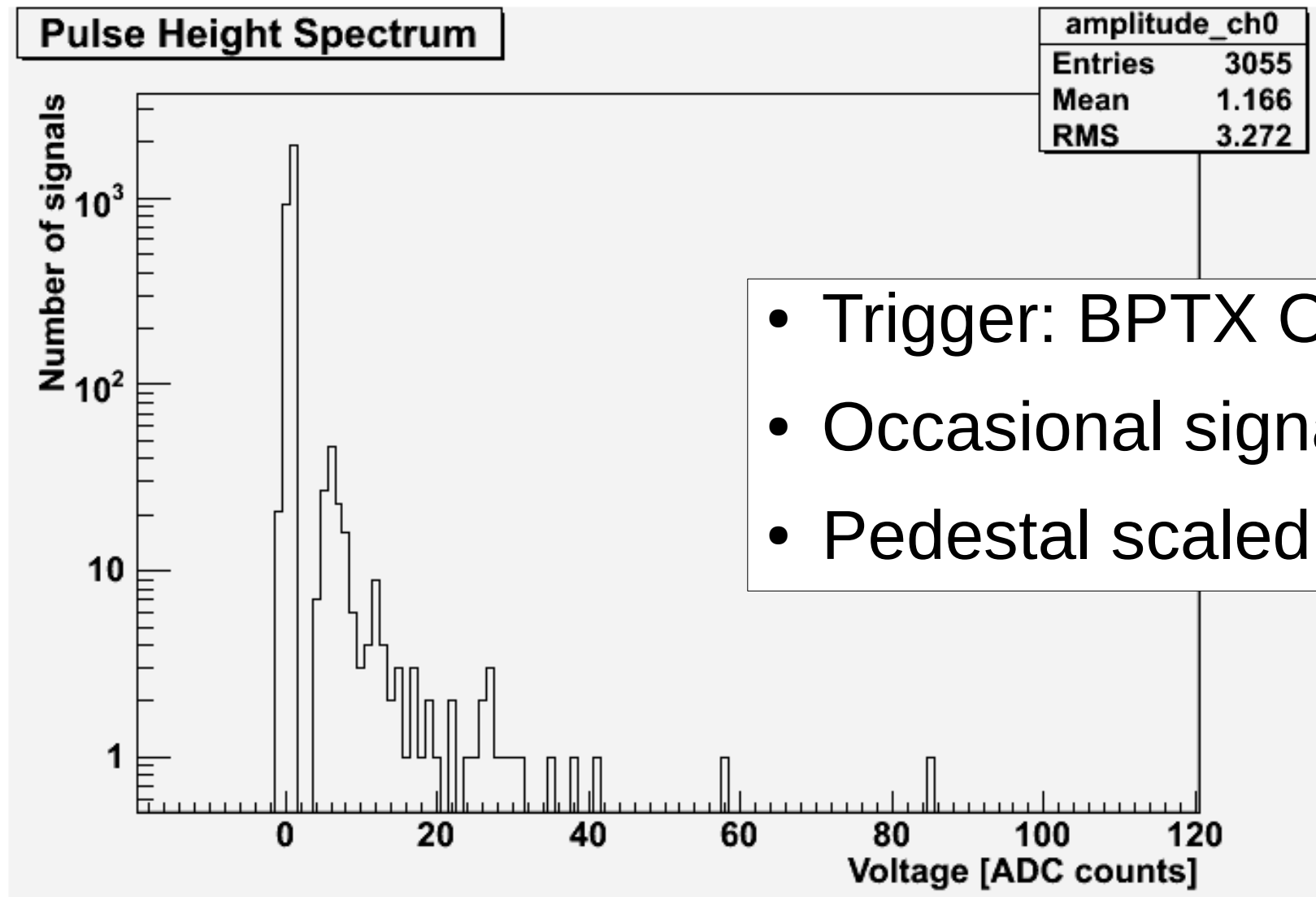


Plan for the Readout

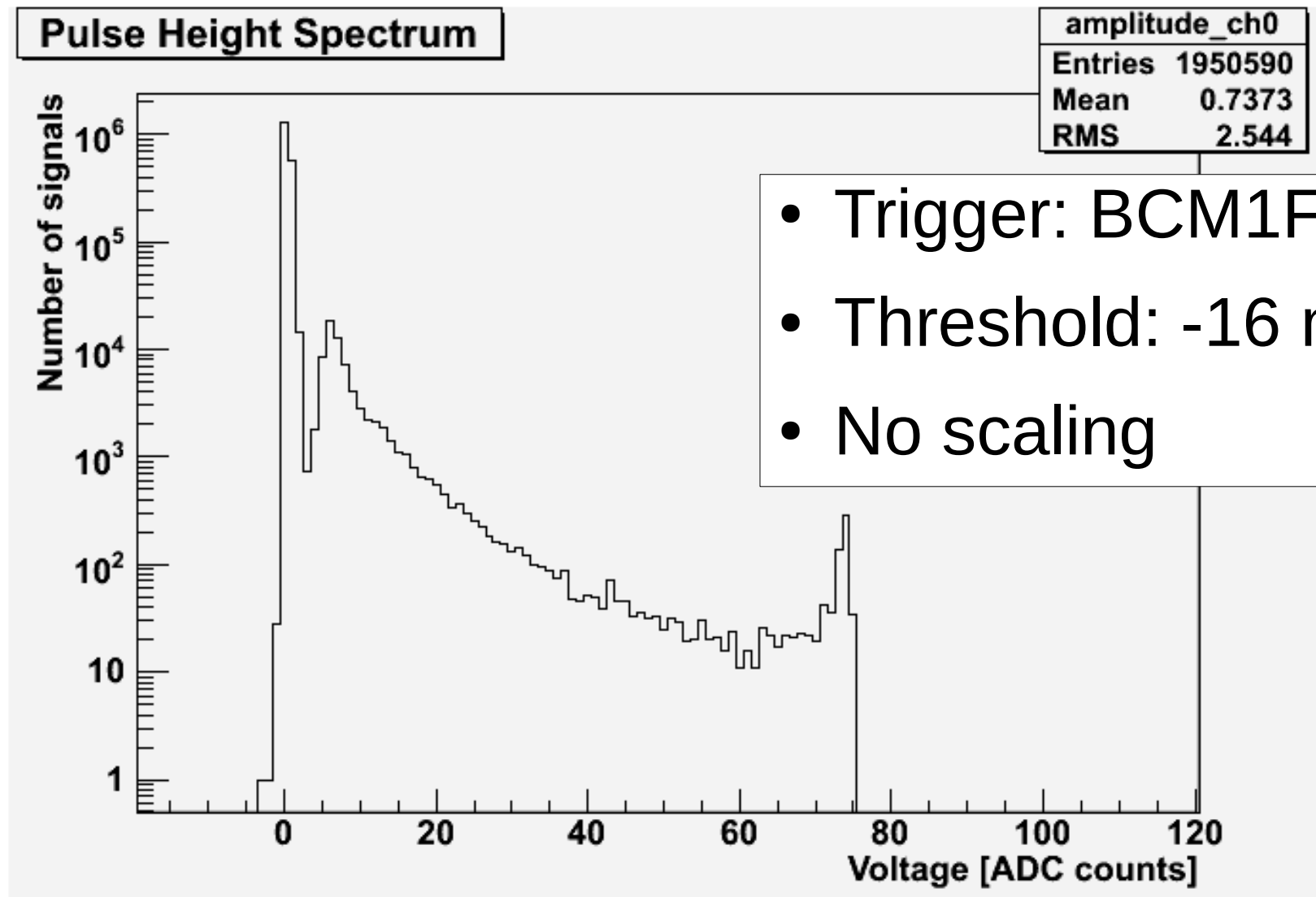
- Continuous readout on BCM1F OR trigger
- Baseline determined from signals and published regularly
- If no trigger in 15 min, read baseline on software trigger

Old Slides...

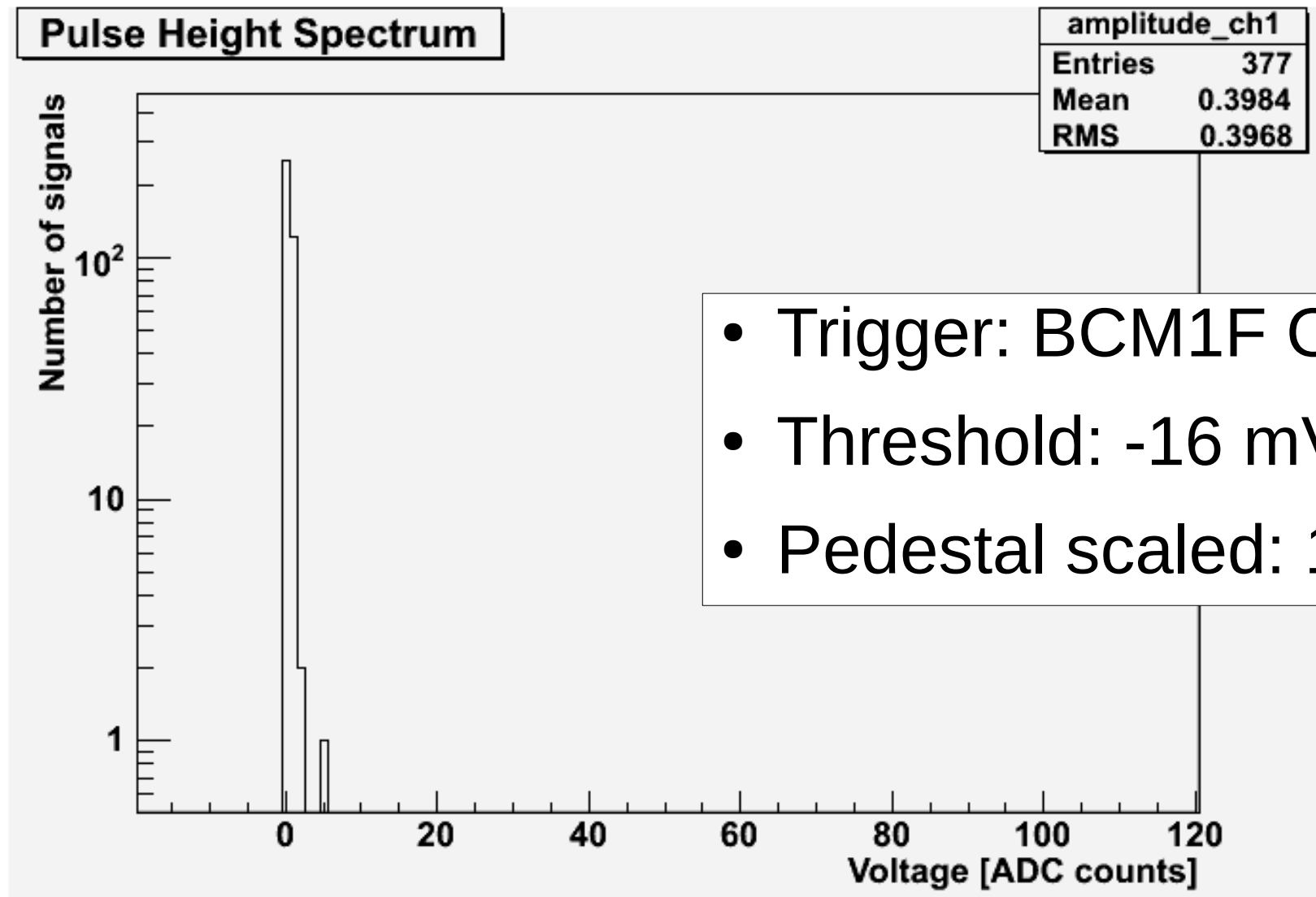
7th April 2010 – Machine Studies



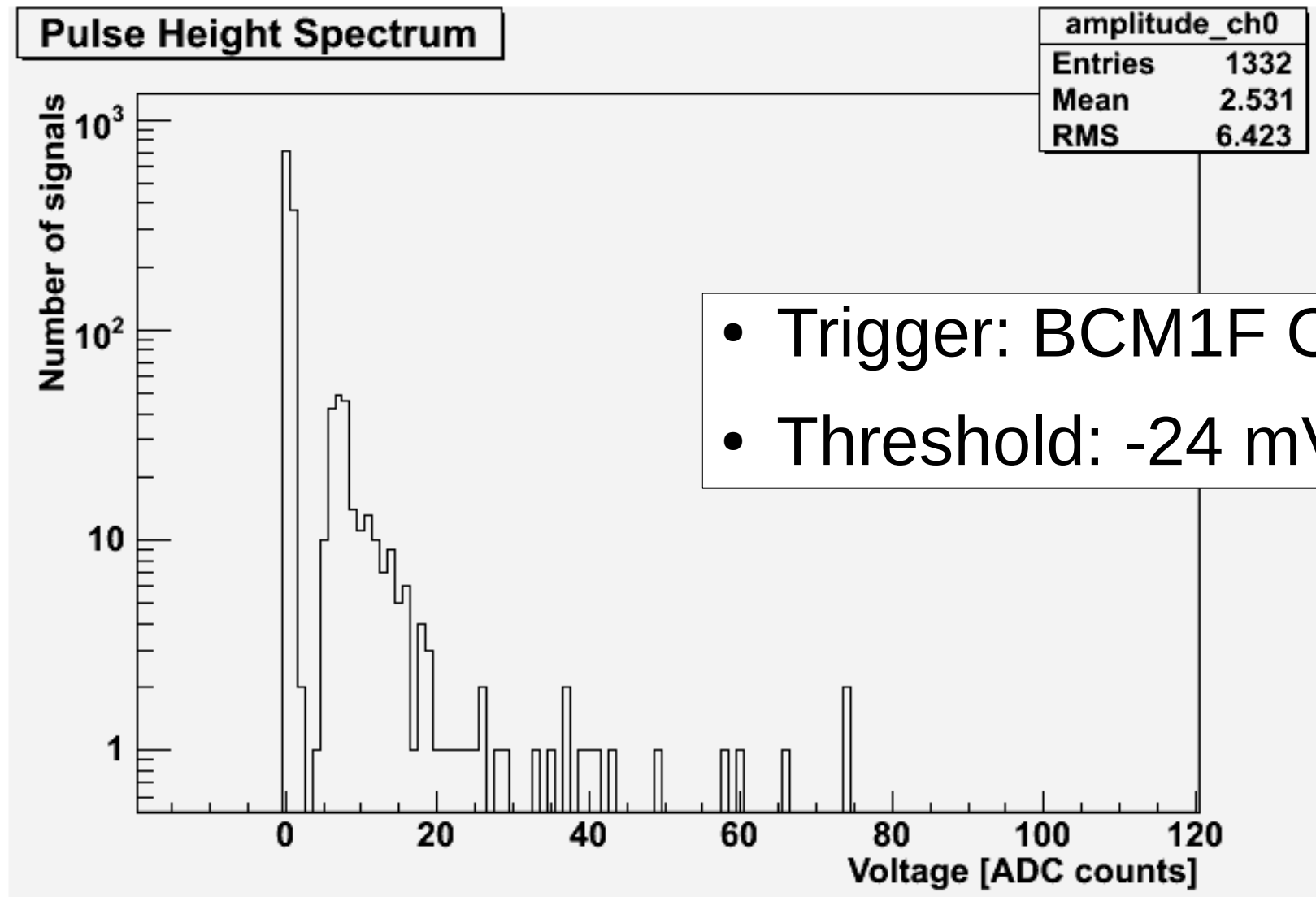
15th May – High Intensity, Collisions



16th May – No Beam



17th May



Corresponding Signal Size

