

New rooms of the Detector Lab..

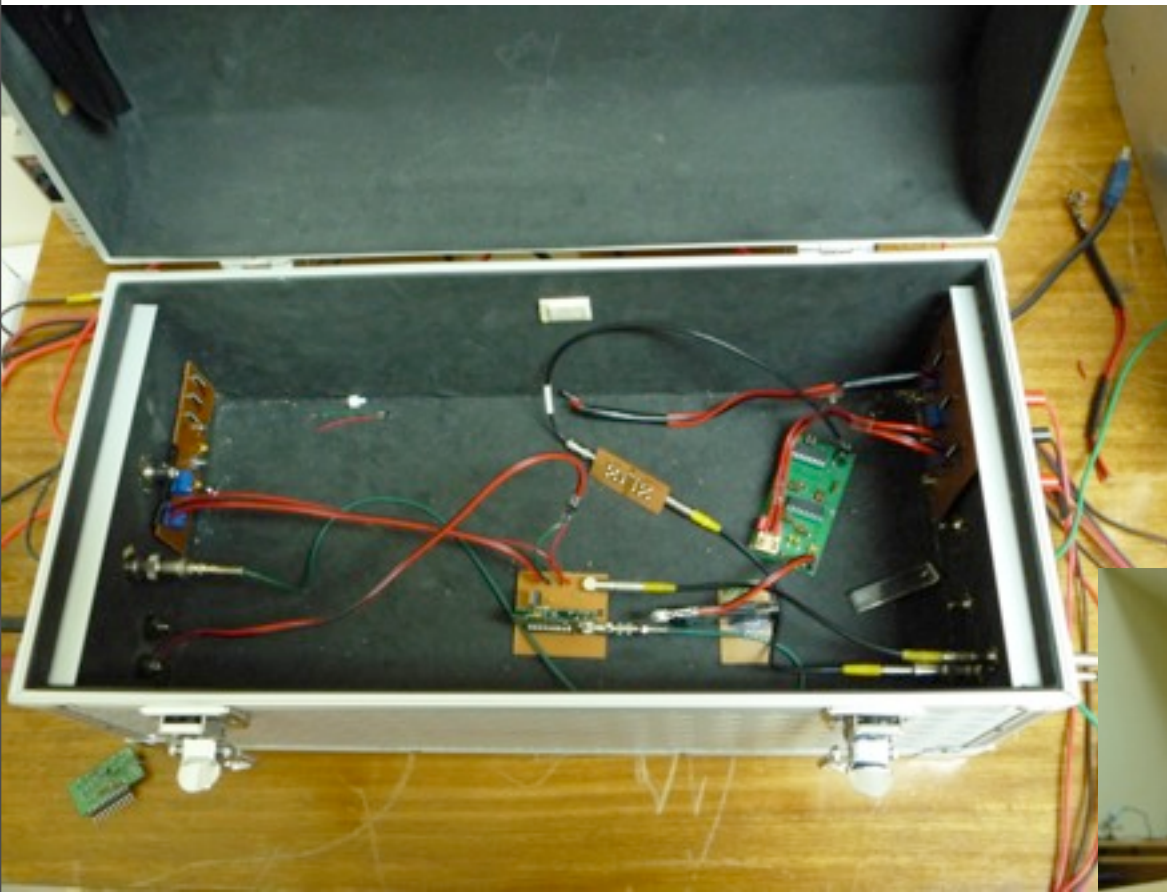


← Here is the clean room.

The test set up.



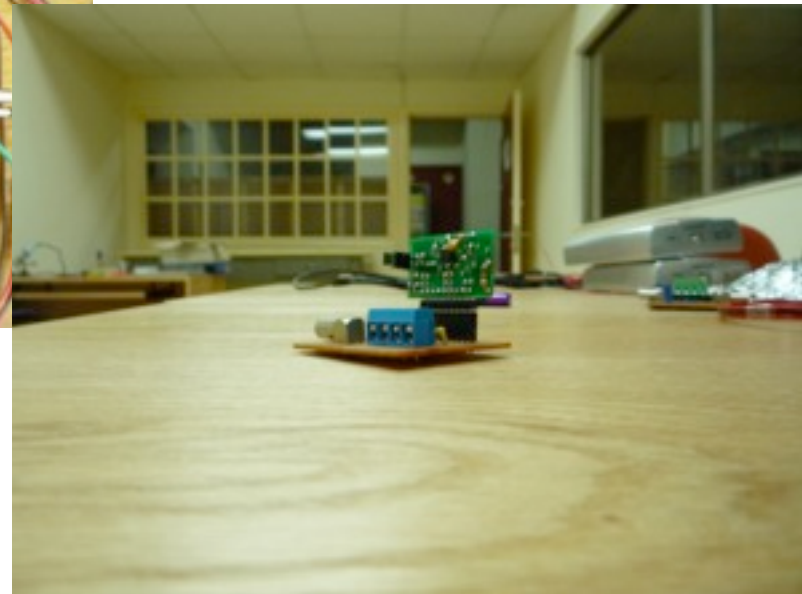
The test set up.



The current amplifier with
1 K feedback and 39Ω in
the output.

On the scope we see
 $V = I_{mppc} * 1000 * 50 / 89 \text{ (v)} =$
 $= I_{mppc} * 561.$

LED pulse duration was stettered $< 10 \text{ nS}$.

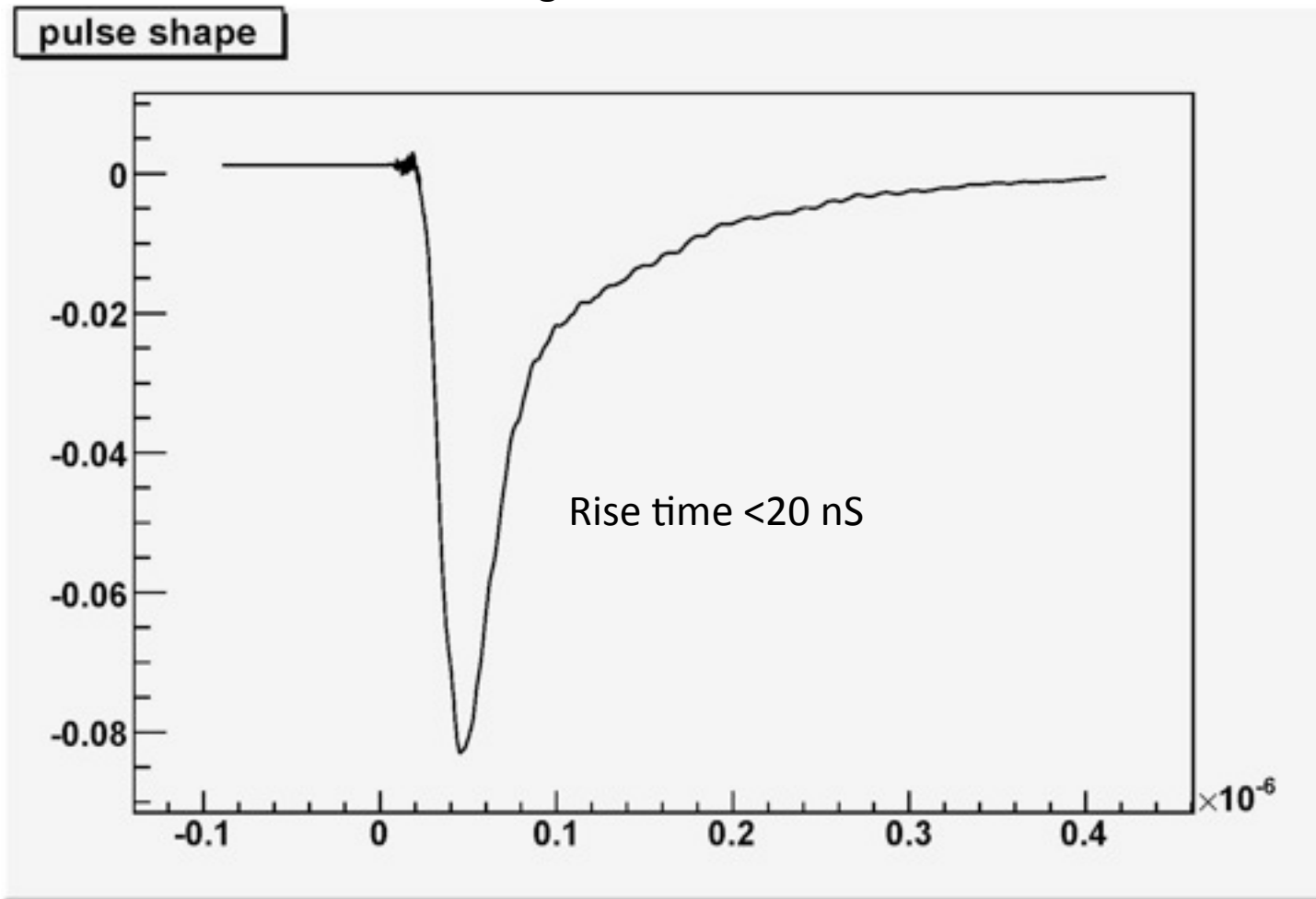


HAMAMATSU MPPC



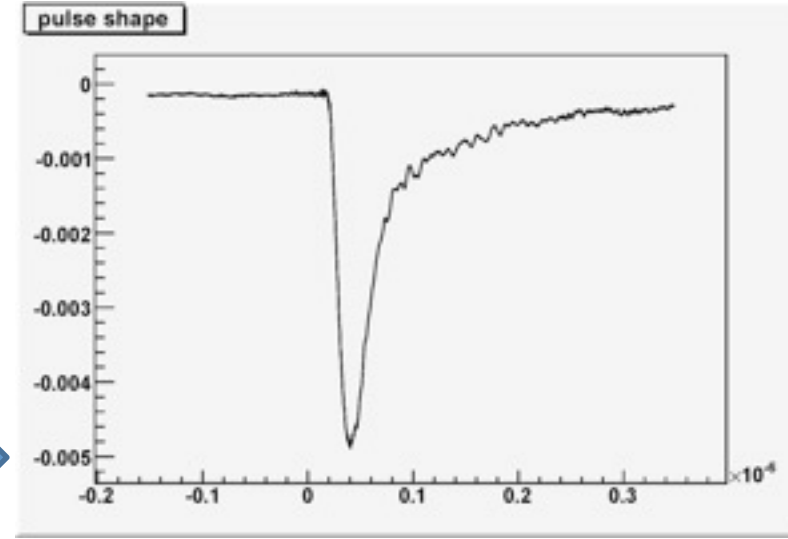
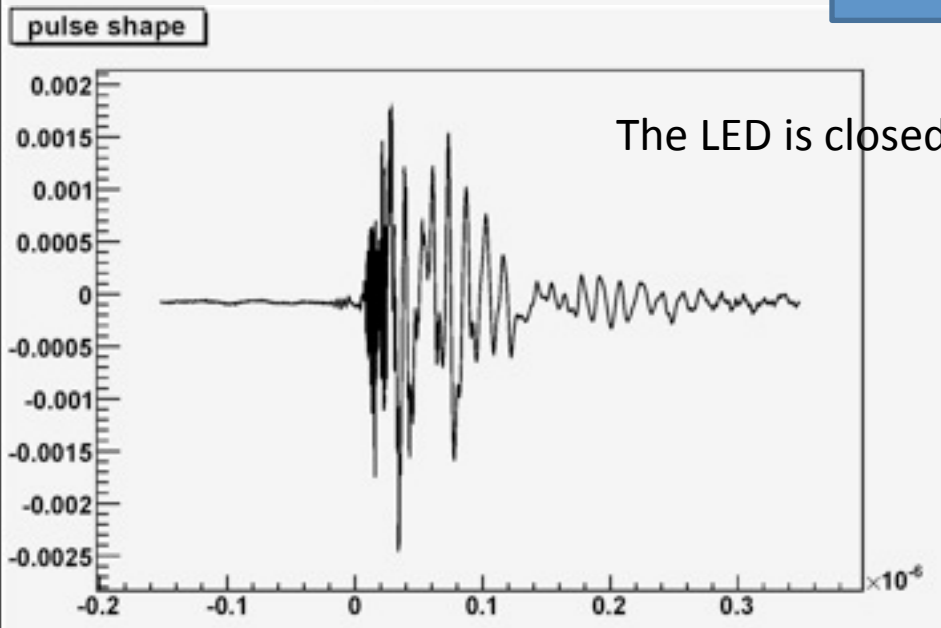
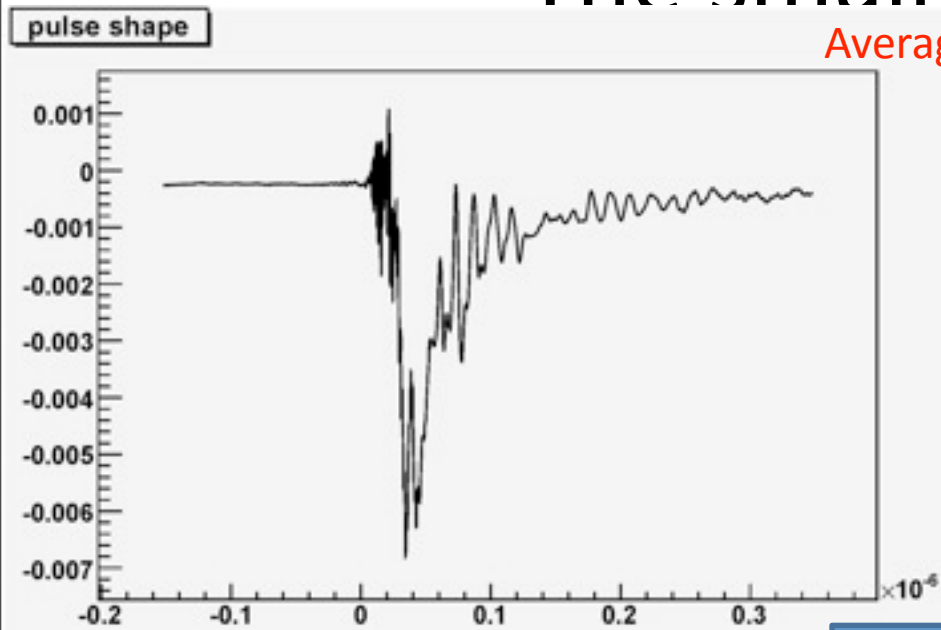
The large signal pulse shape.

Averaged 10^4 events.



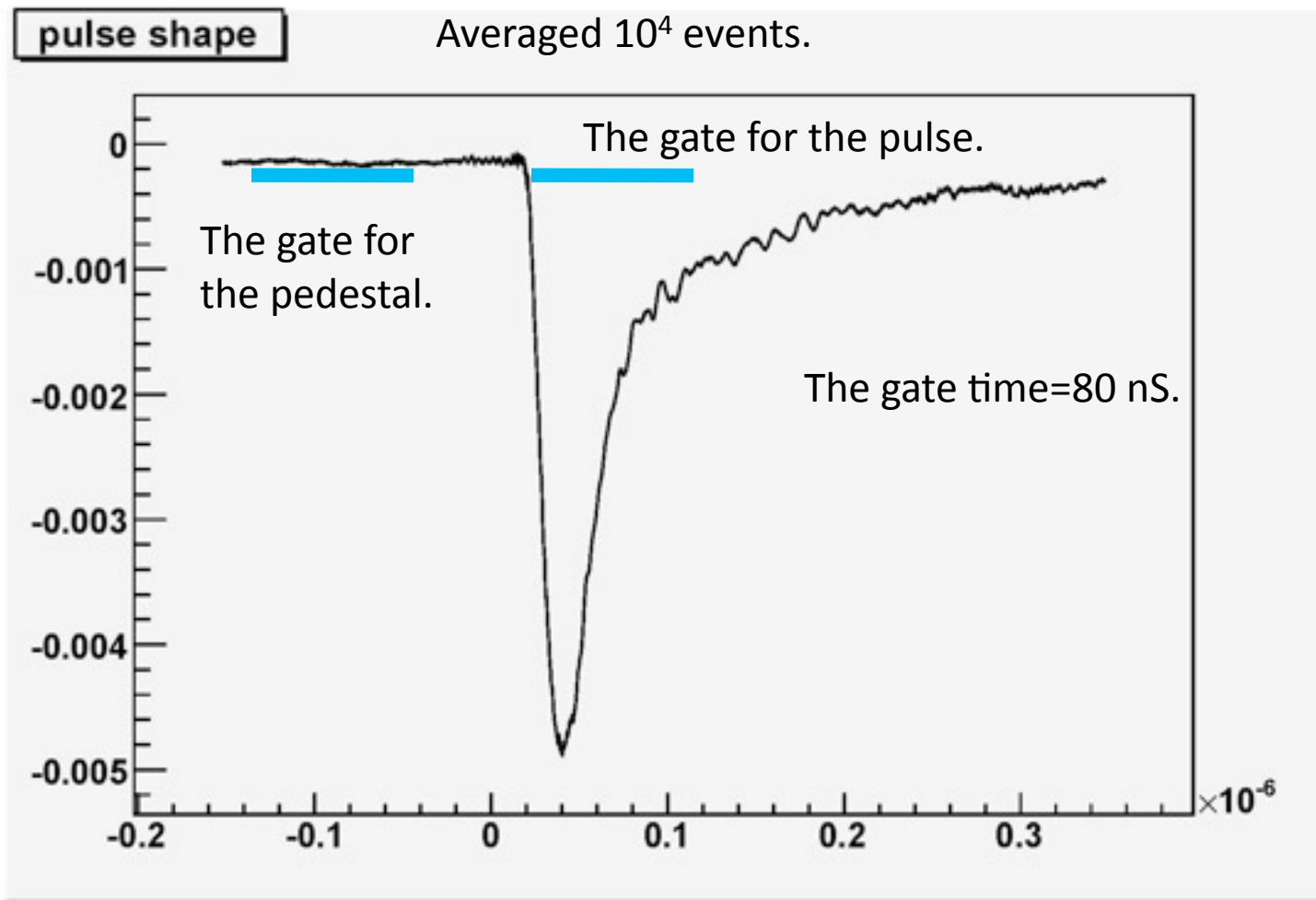
The small pulse shape.

Averaged 10^4 events!!!

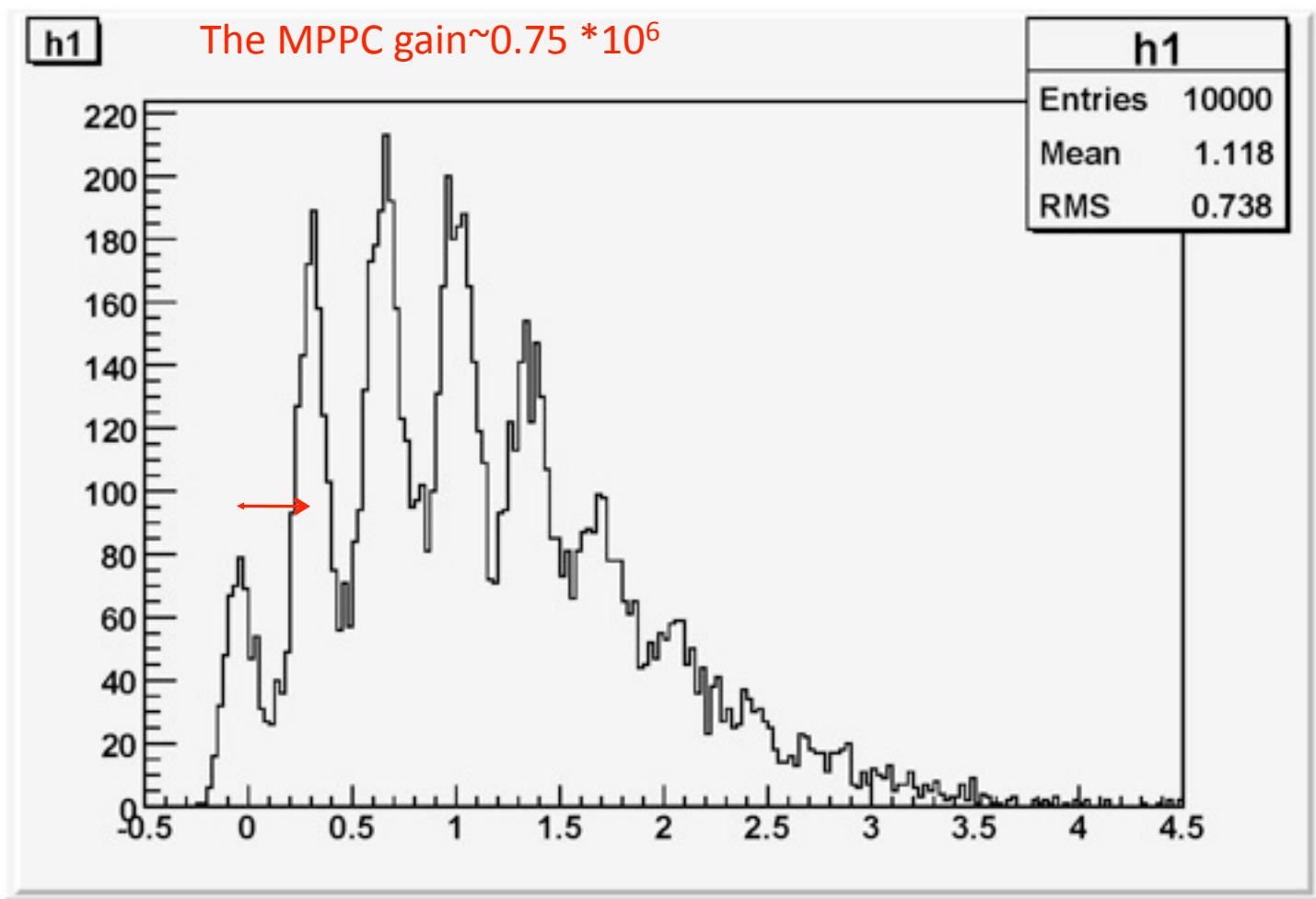


The LED is closed with black paper.

The small signal pulse shape.

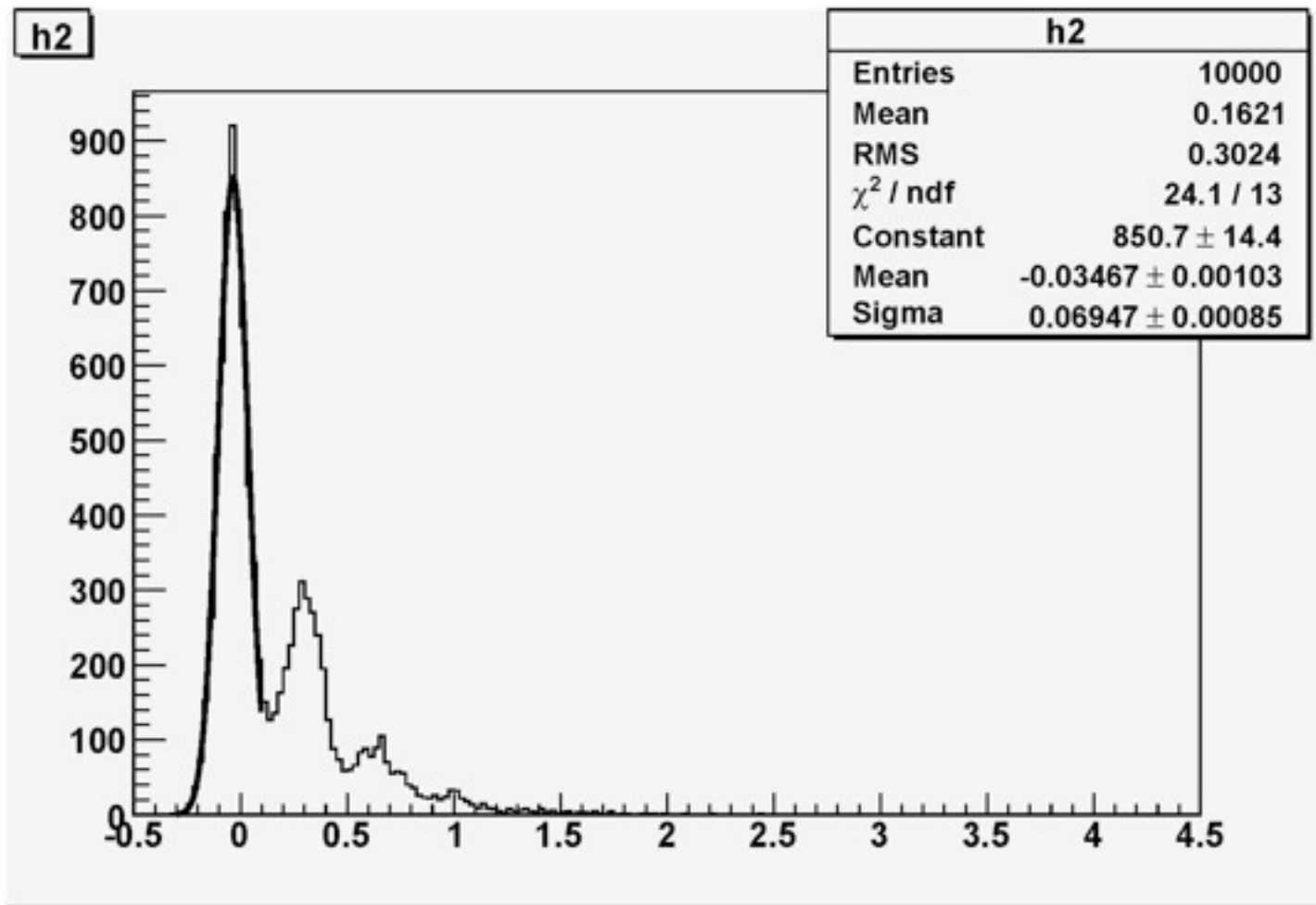


Q in the gate.

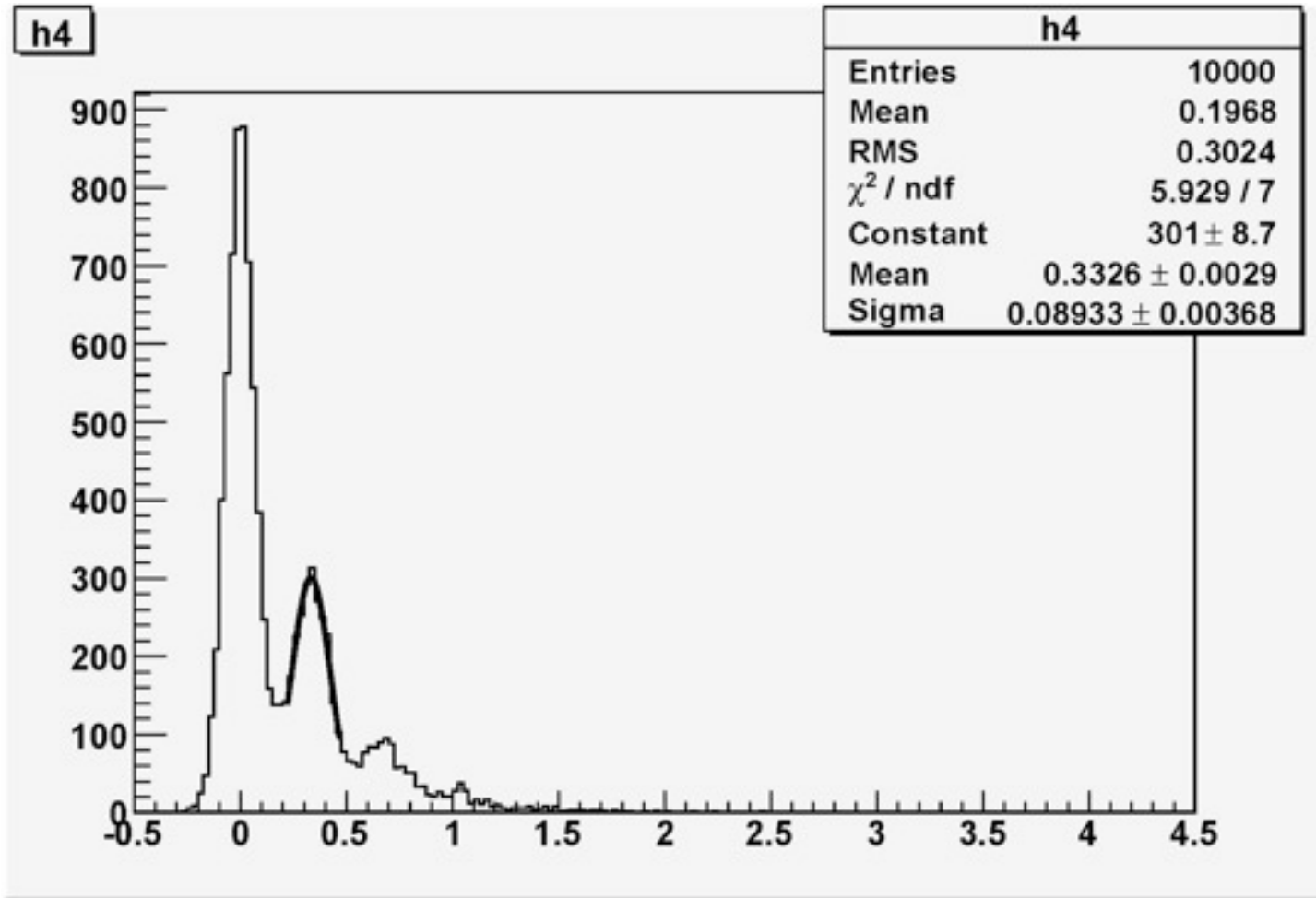


"Q" = $V_{in} \cdot 200 \text{ pS}$

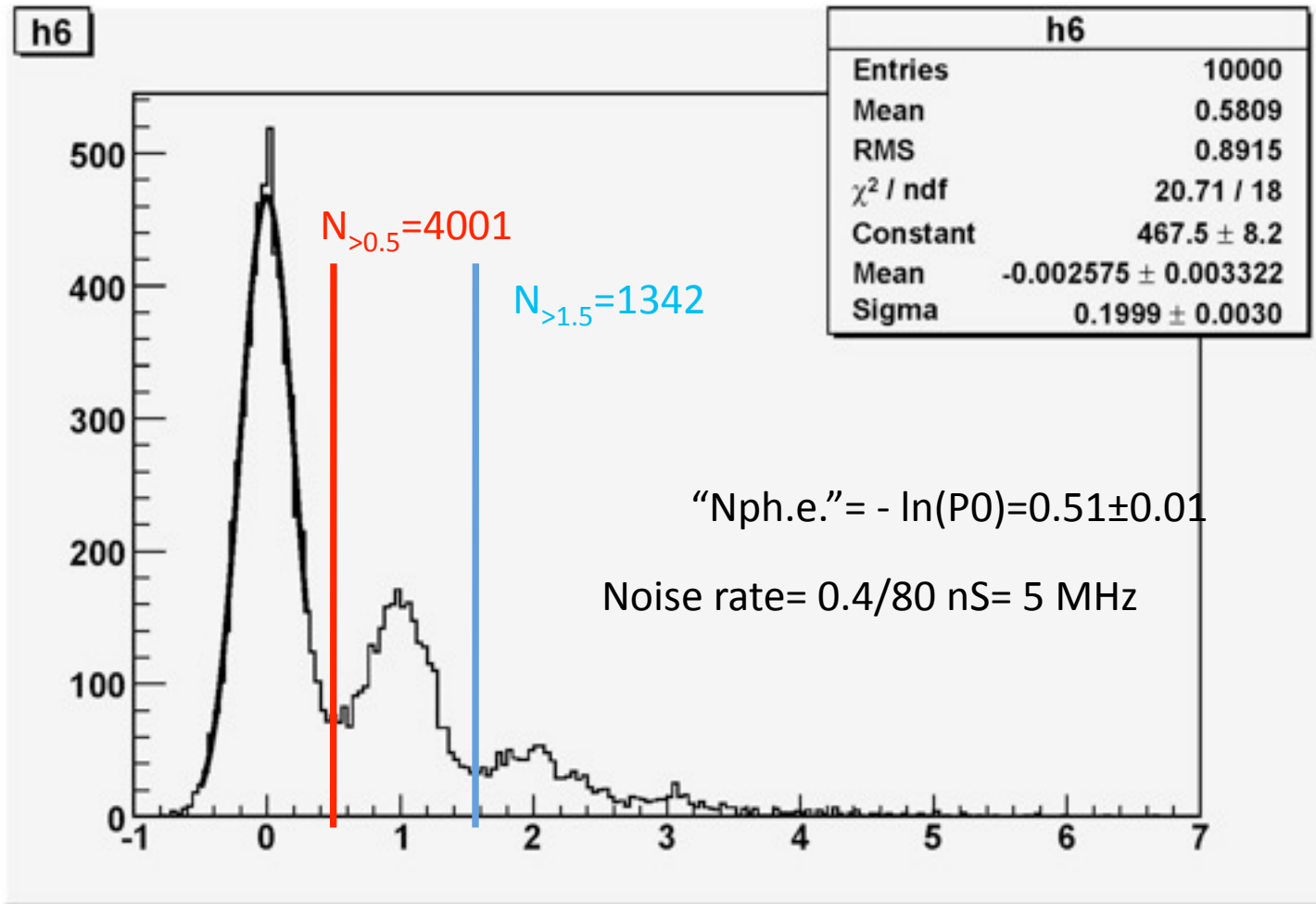
The pedestal.



The pedestal.



The pedestal in ph.e..



The response from LED in ph.e..

