Status Report

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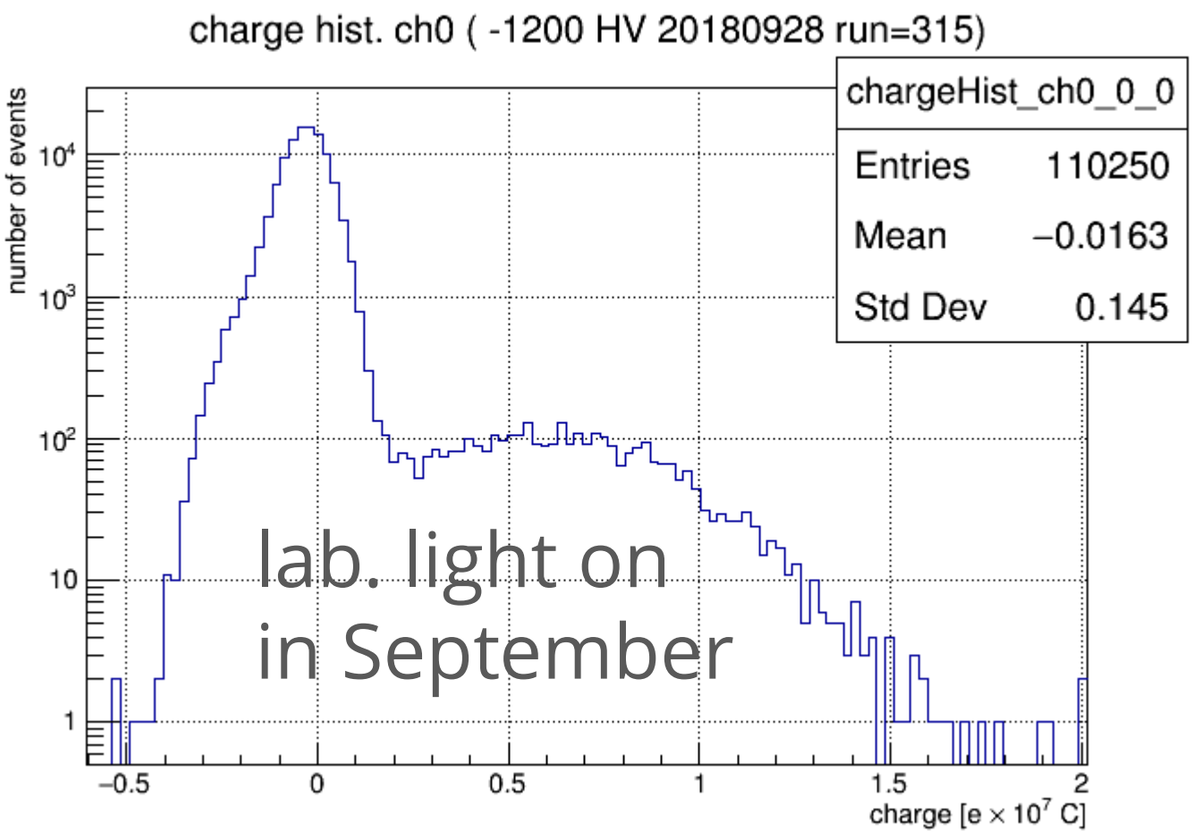
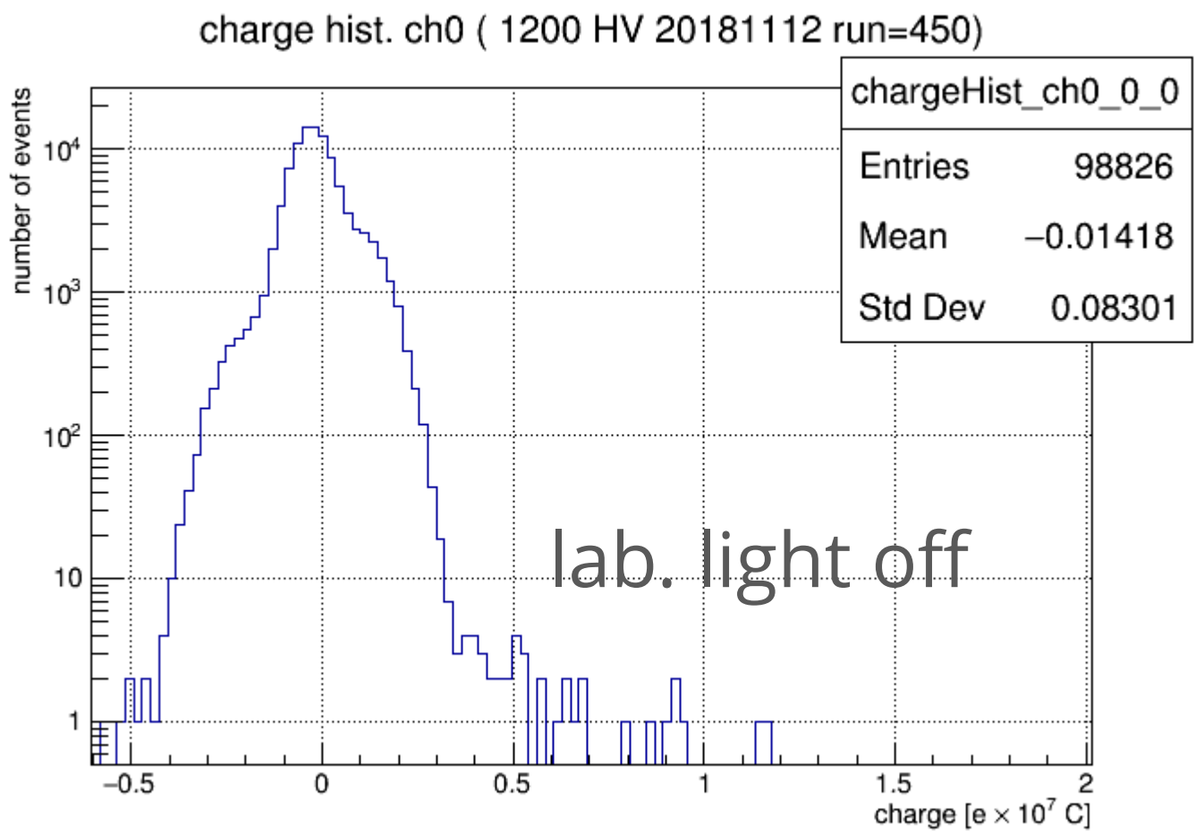
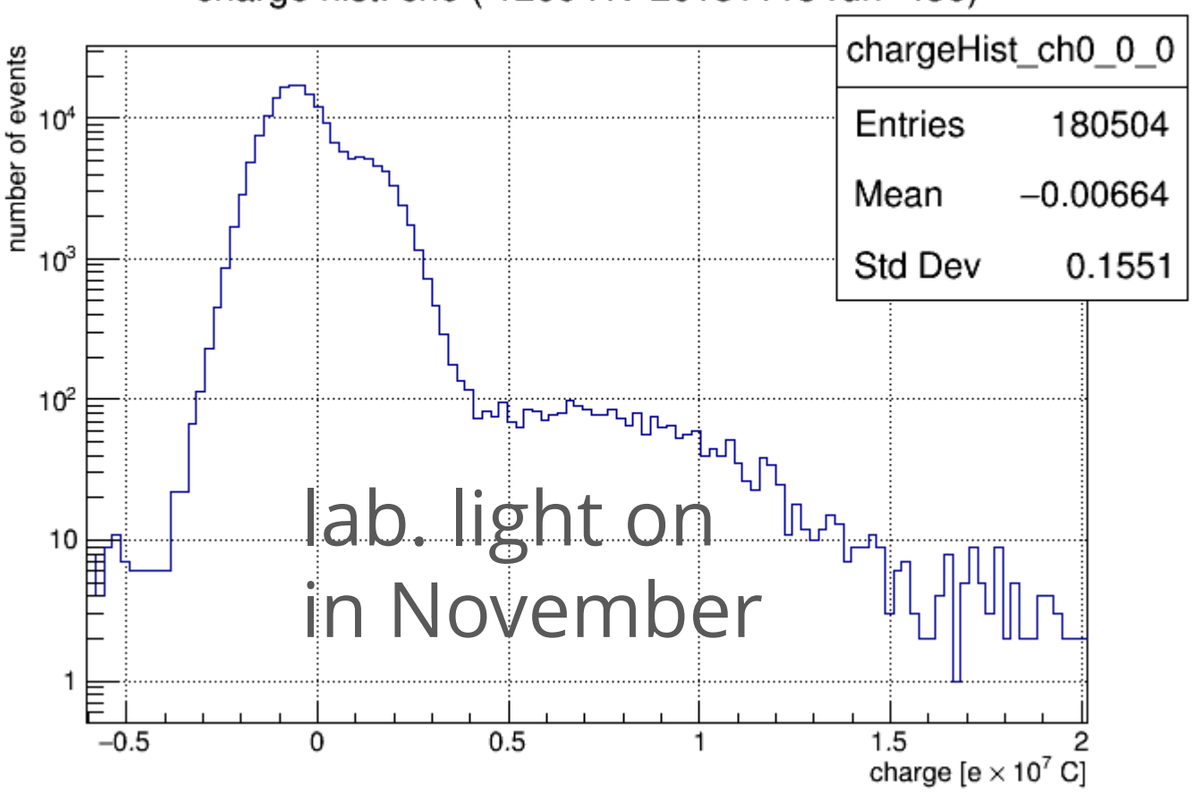
So far

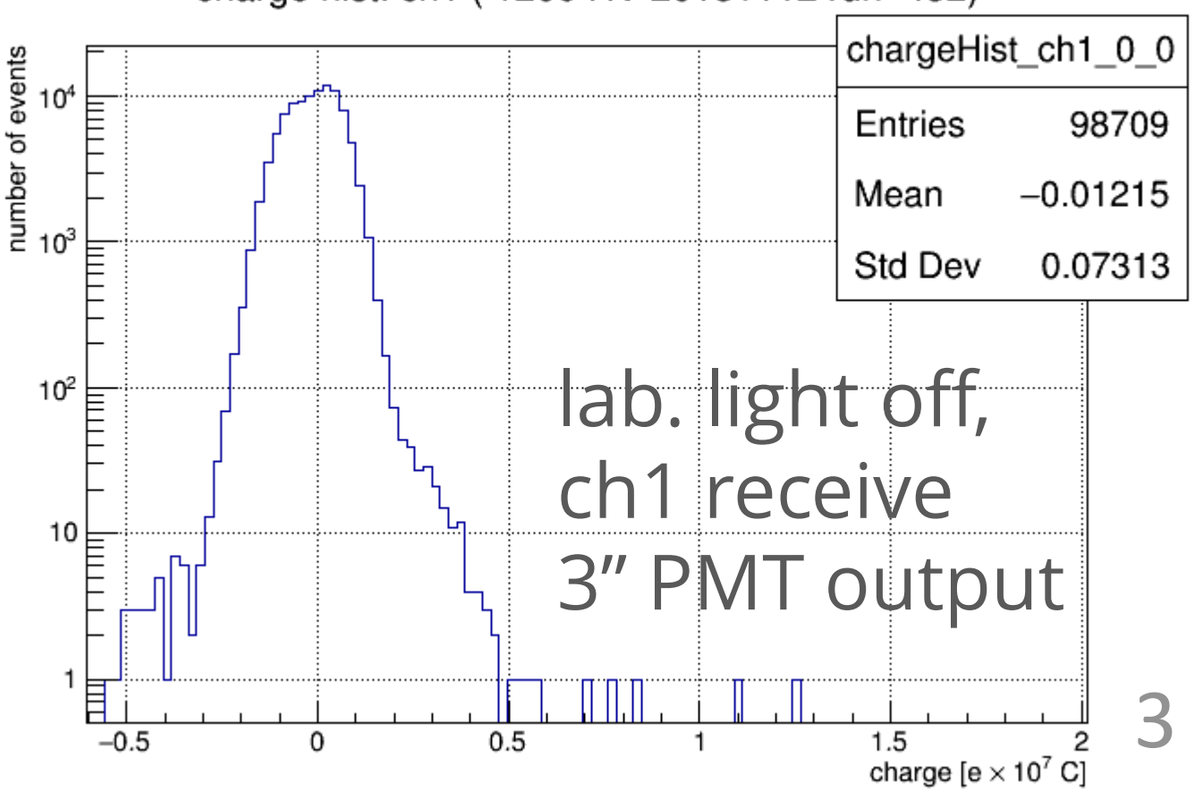
- Thanks to Benjamin, the problem of the bump around pedestal distribution was solved.
- When a baseline of each event is calculated, he used a Gaussian fit for a adc histogram.

3”PMT BC0038 (LED off)

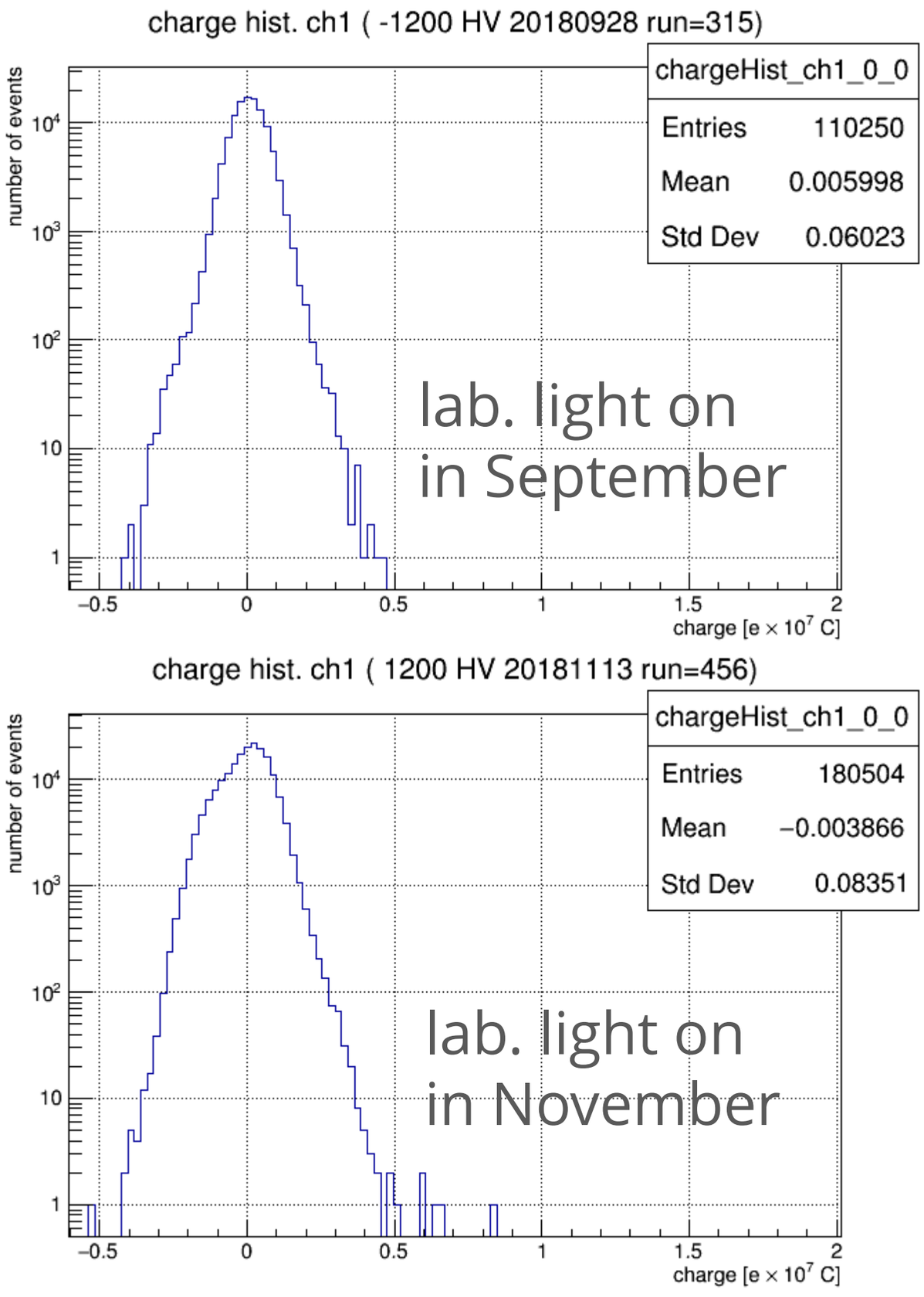


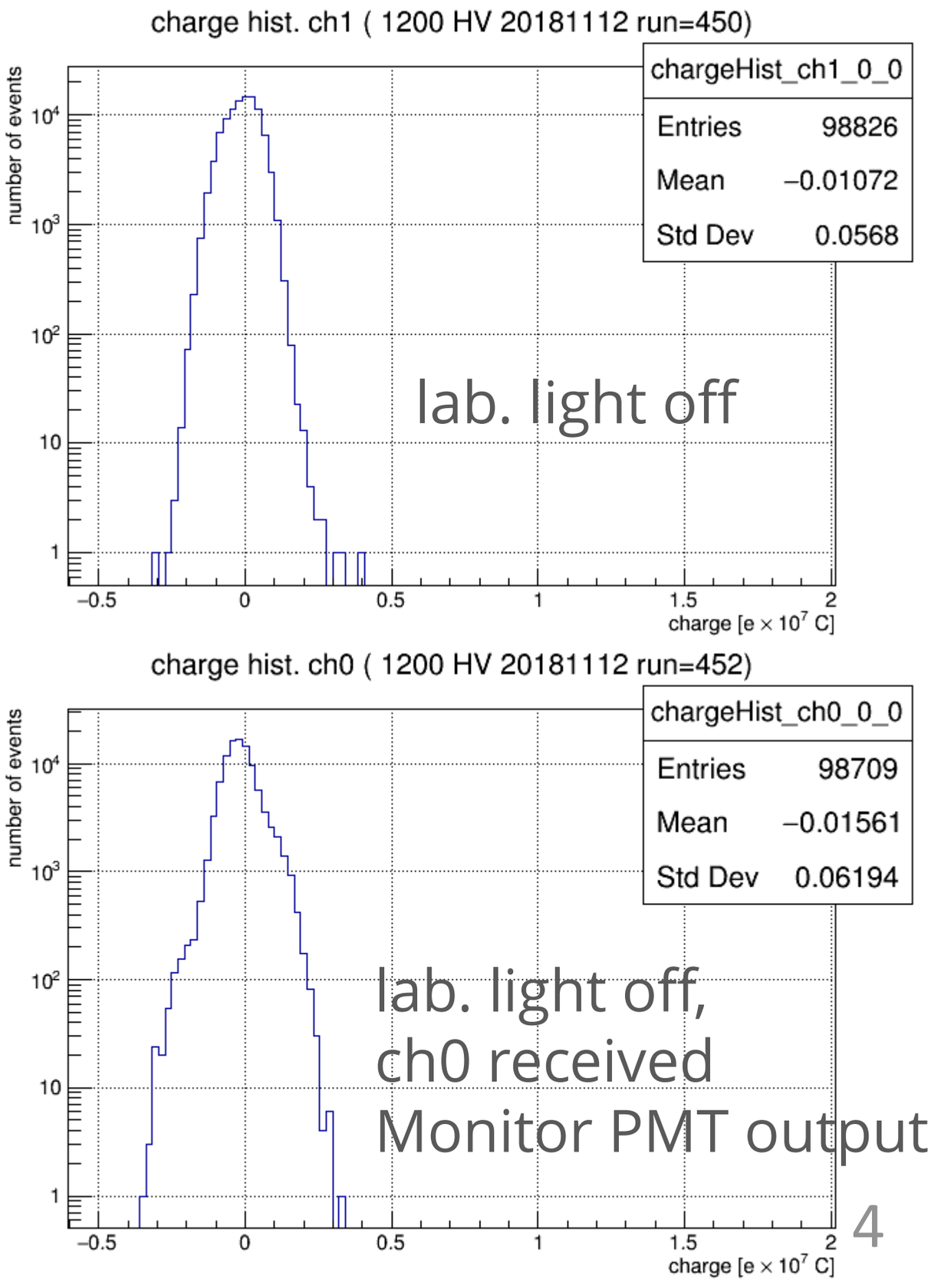






Monitor PMT (LED off)





To do

1. Stability of Monitor PMT (or LED)
   - Leave Monitor HV on all night.
   - Look for the stable region of the mean.
2. Stability of 3”PMT
   - Look for the stable region of Poisson mean.
3. Make TTS plots:
   - number of p.e. vs. TTS
   - and fit with the function: y = parameter / $\sqrt{x}$
4. Confirm whether after-pulses are included, or not.
   - enlarge the time window of each event, and check the time histogram.