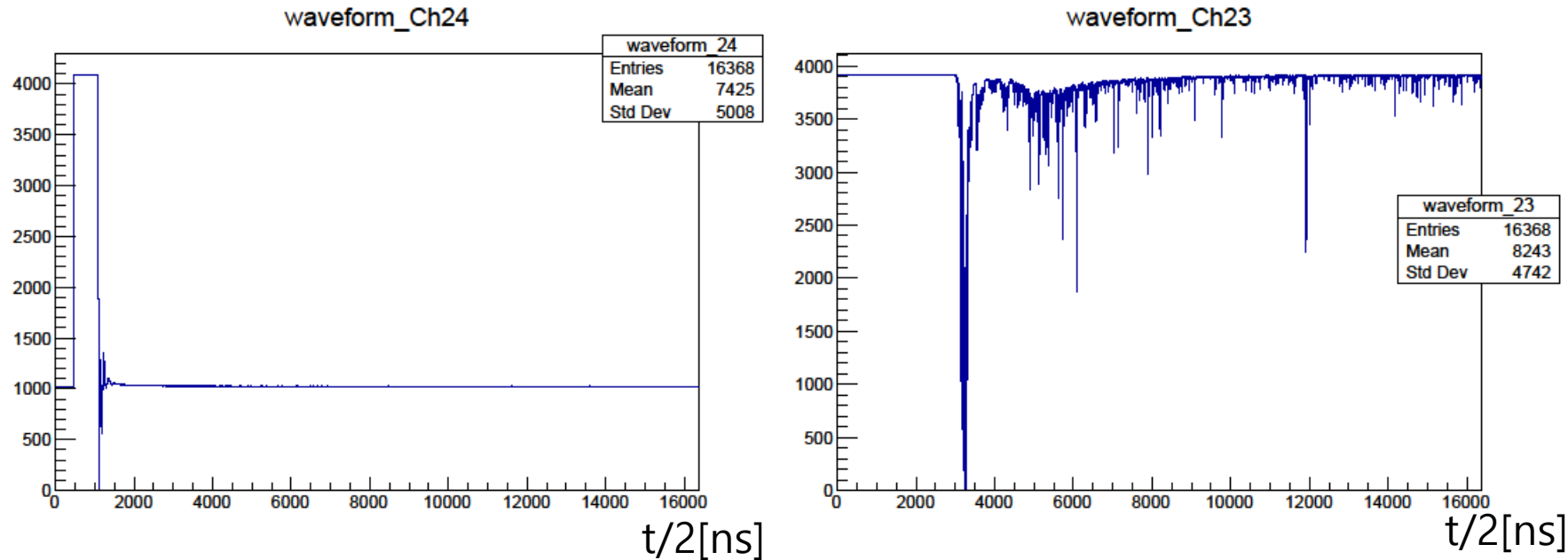


# Weekly report

SNU

BongHo Kim

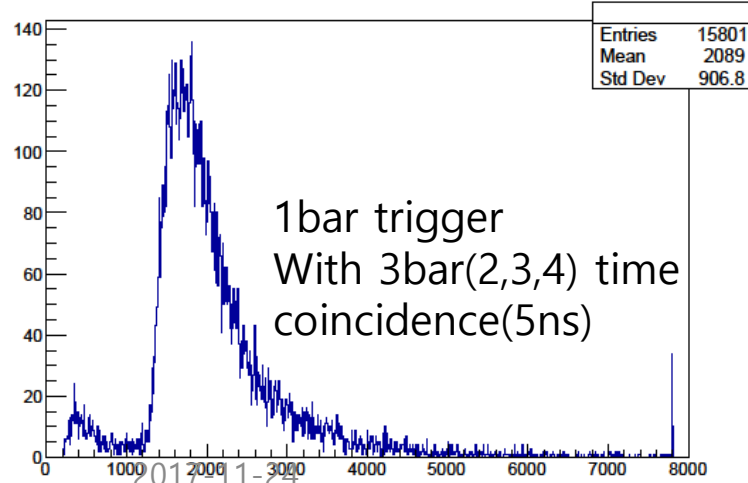
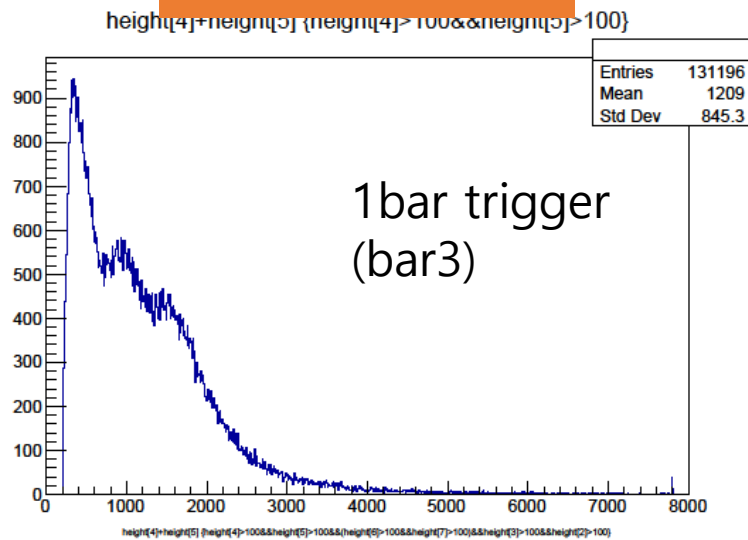
# Burst check (AD injection)



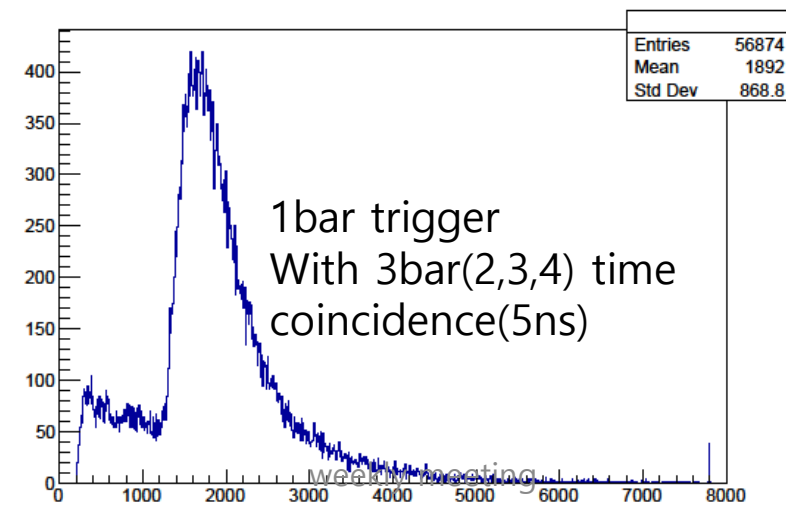
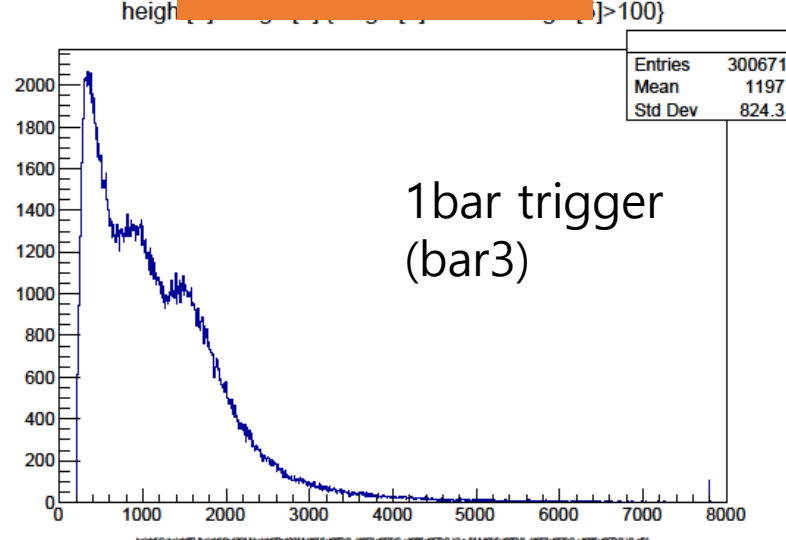
- Burst is shown after  $\sim 5\mu\text{s}$  from AD injection trigger.
- Need to check after extend record length(sample size)

# Linac background check

Linac ON



Linac OFF



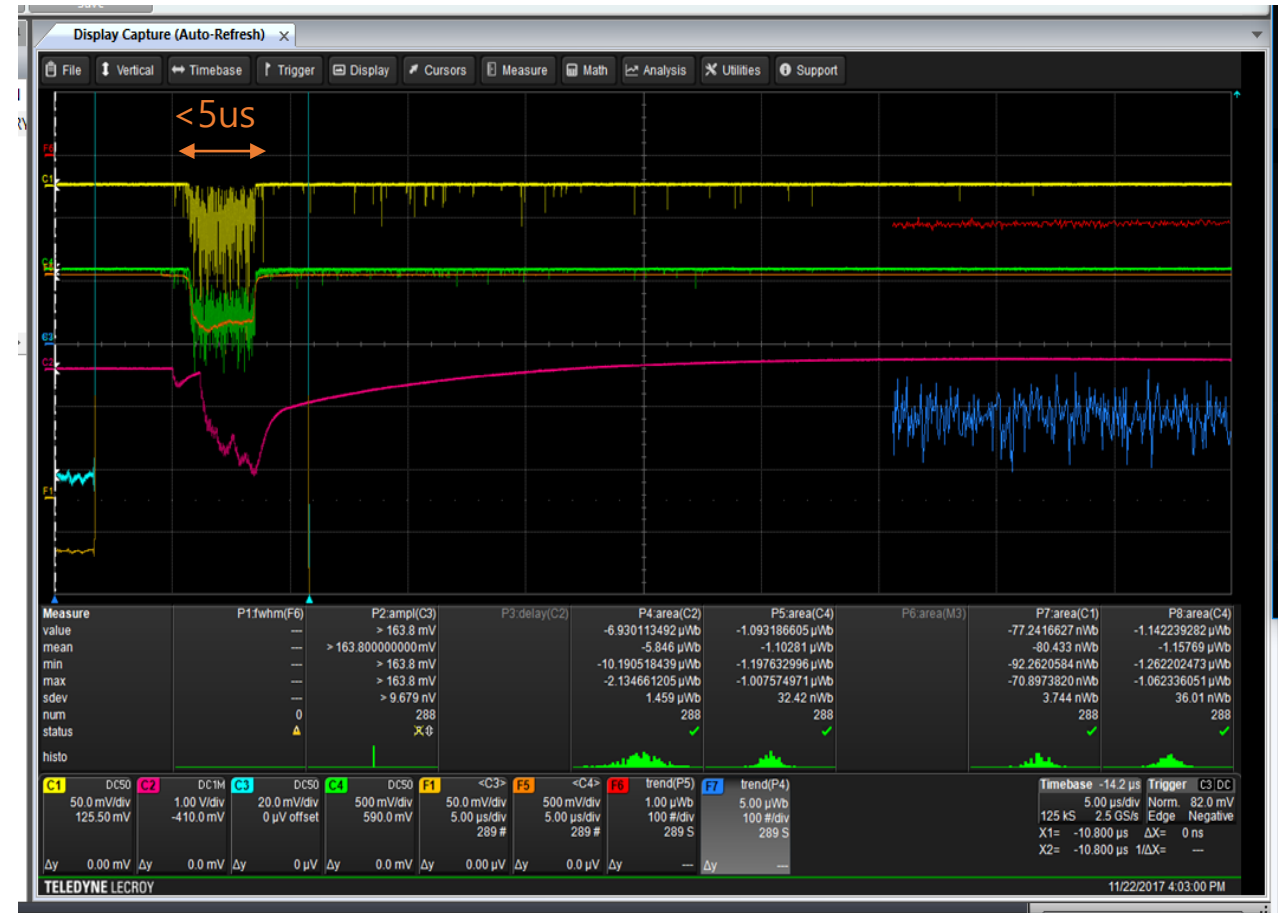
- Test data was taken during test operation of linac (3Hz test)
- No effect was shown in TOF data but more test is required.
- 6bar trigger test was also done and no difference is shown.

# Status in CERN

- Question from others
  - Expected energy spread from anti-P trap.
  - Expected date for delivery of other TOF wall
- Status in CERN
  - Positron beam is shown.

(about  $\sim 1.e7$  positron/s expected for 300Hz)

- Test with increasing frequency from 3Hz to 150Hz was done and will be continued until 300Hz.
- Condition (70mA, 8.2MeV electron beam)



# To do list

- Collaboration meeting slide for TOF will be prepare
- Simulation for positronium has been prepared.
- John yves looks too busy to ask about relay issue