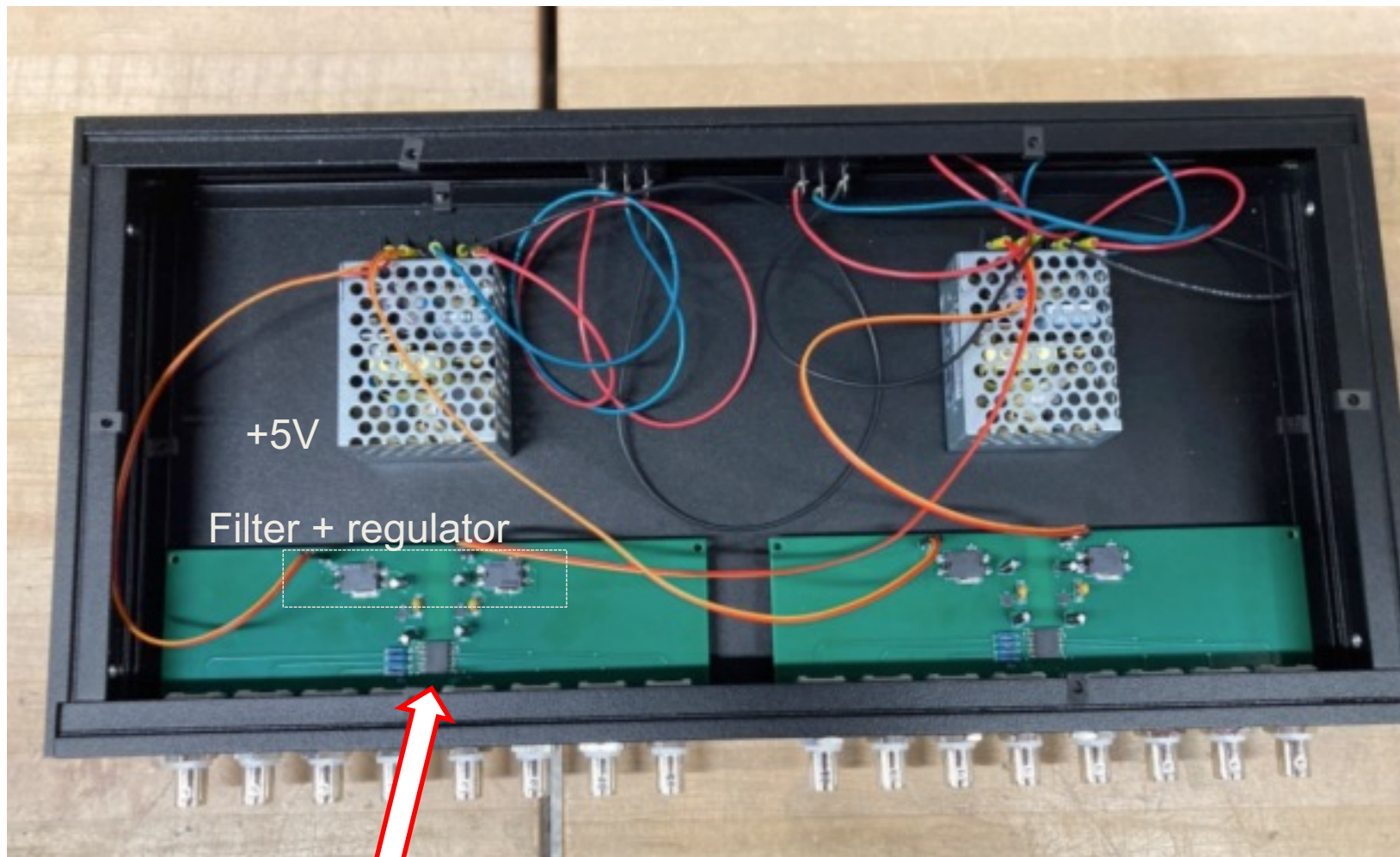


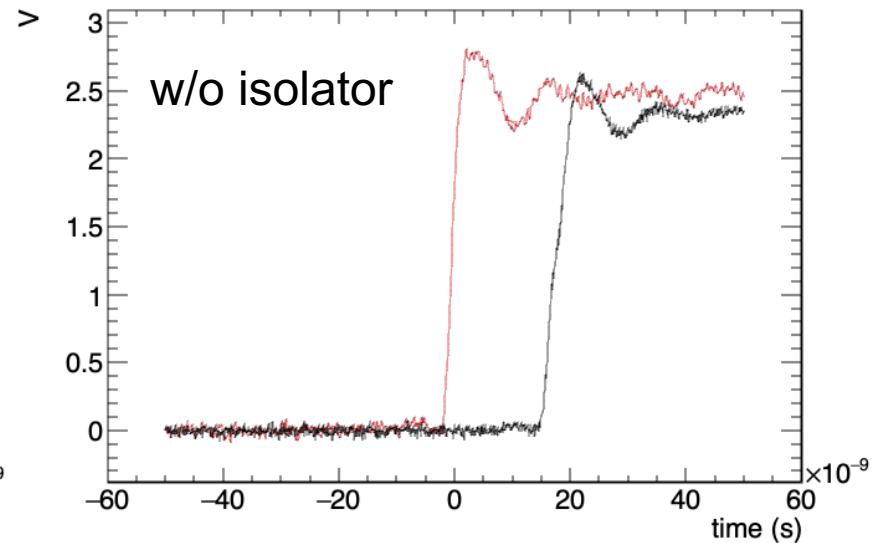
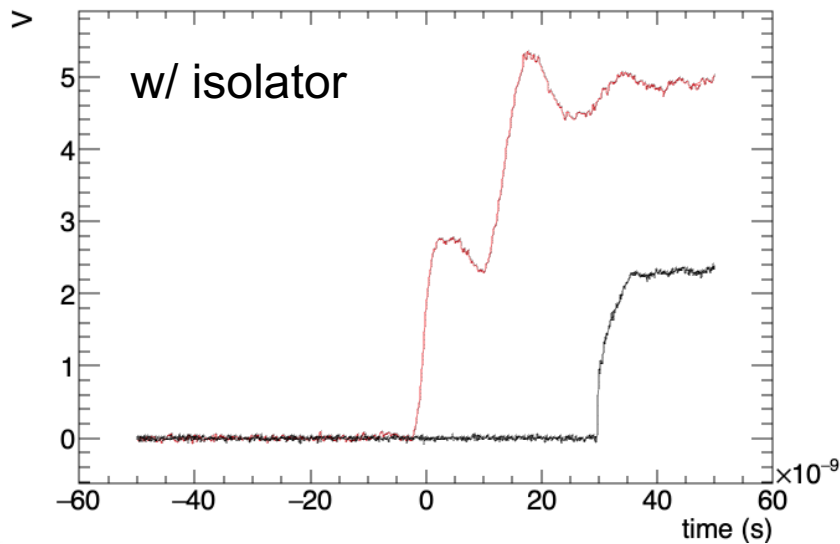
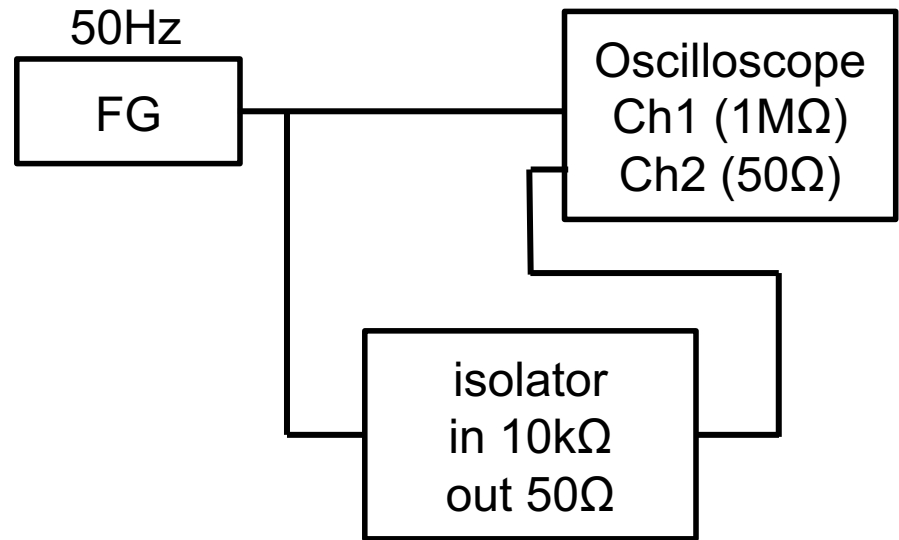
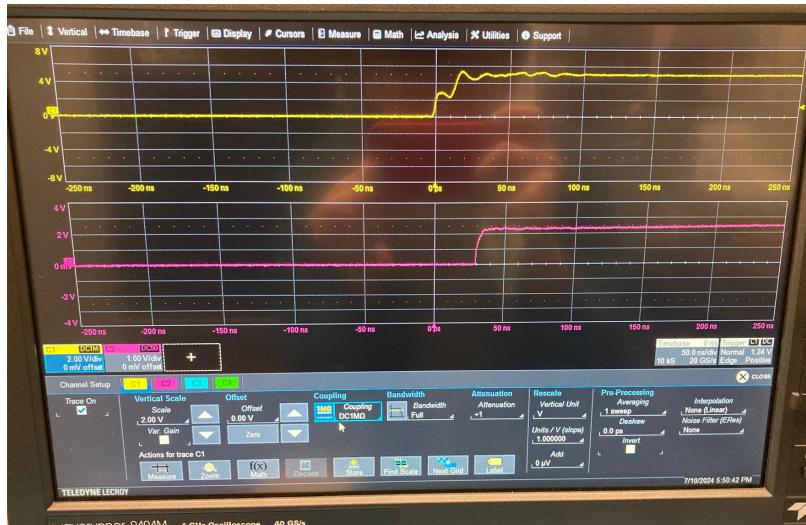
Isolator



Toshiba DCL540
(Magnetic coupling)

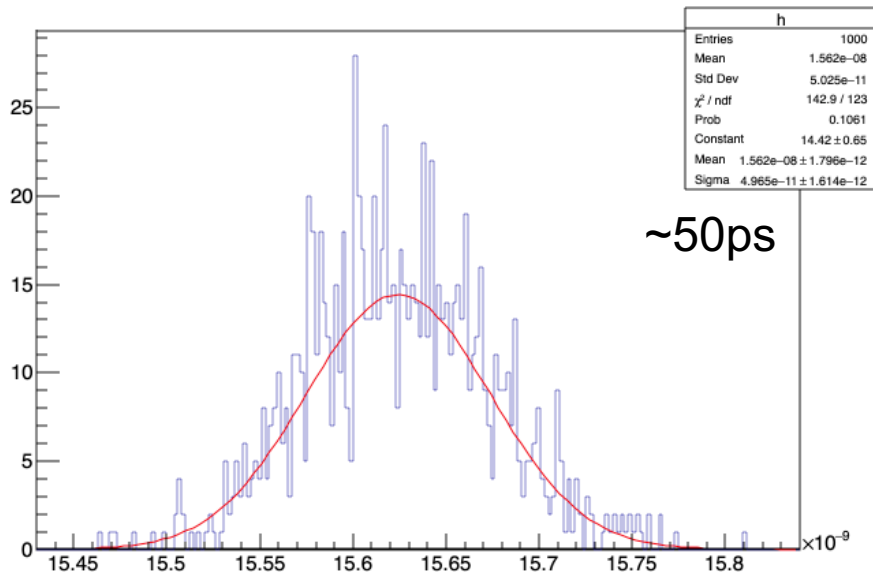
Jitter ~0.2 ns

Jitter test

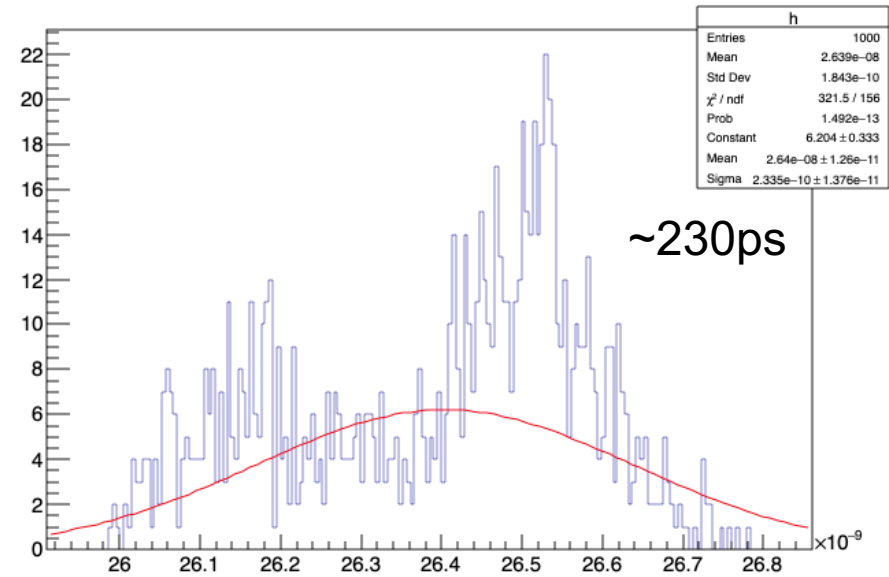


Jitter

w/o isolator



w/ isolator

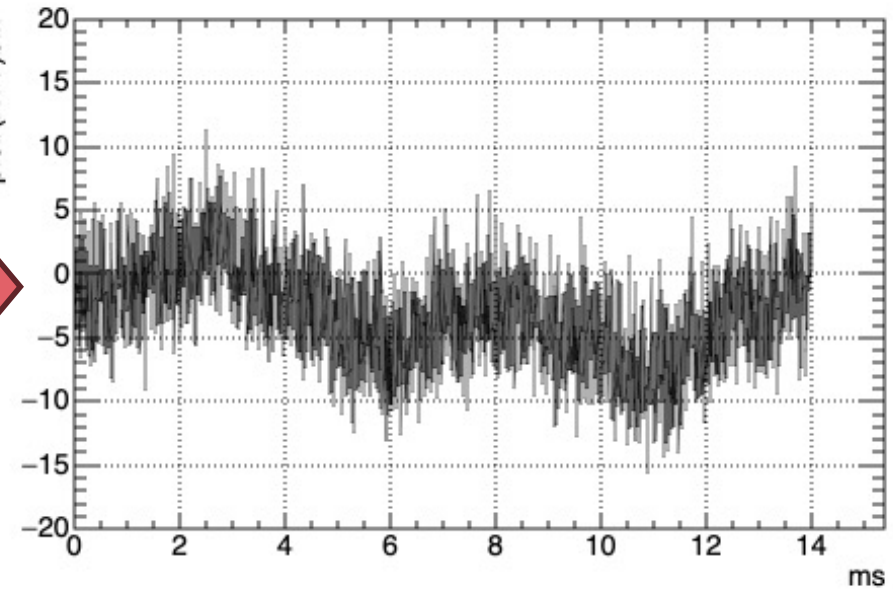
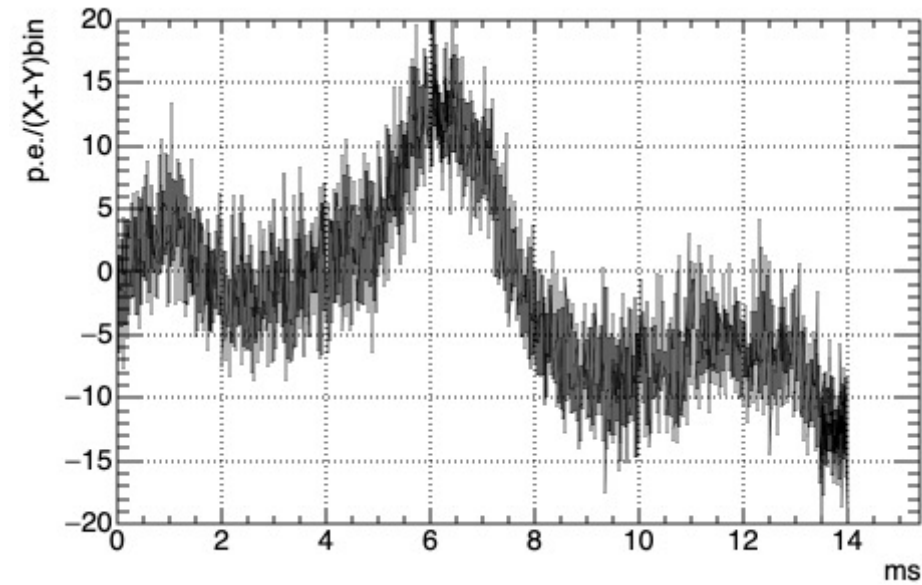


Baseline fluctuation (5Vpp)

single shot

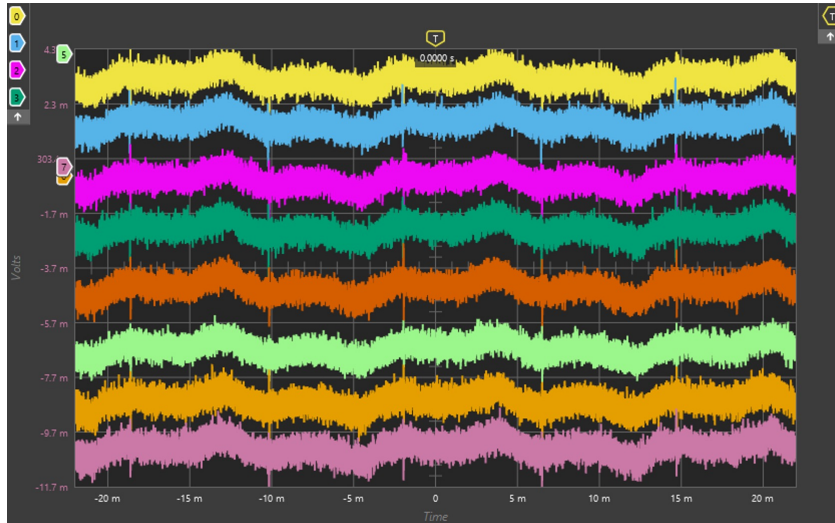
w/o isolator

Q switch + Flash lamp isolated

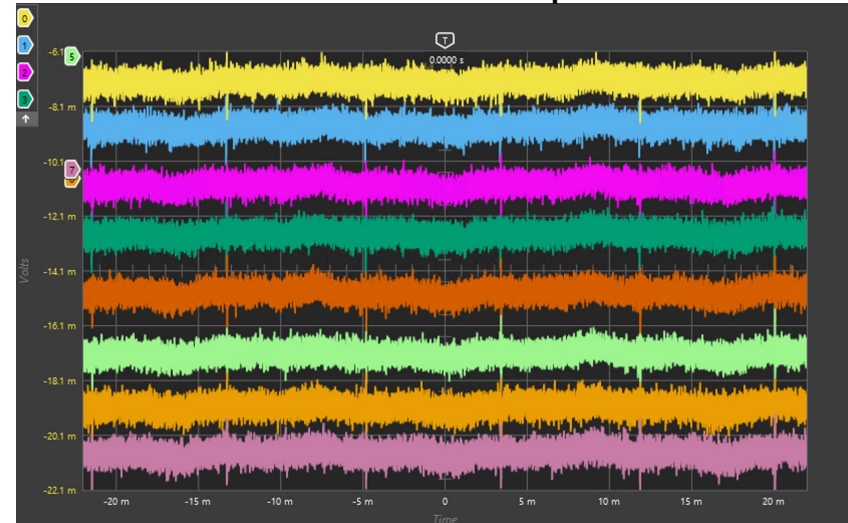


How they look like in oscilloscope

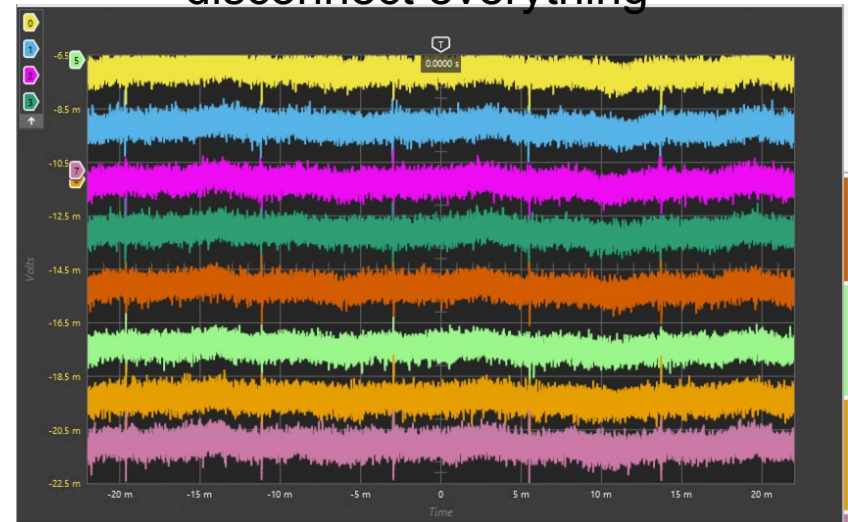
w/o isolator



Q switch + Flash lamp isolated

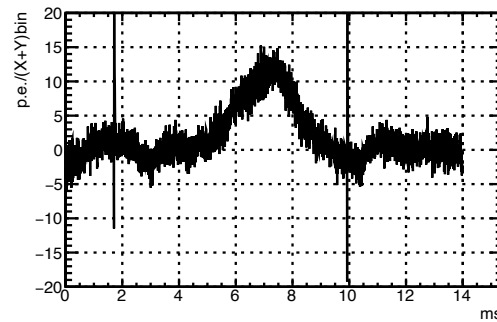
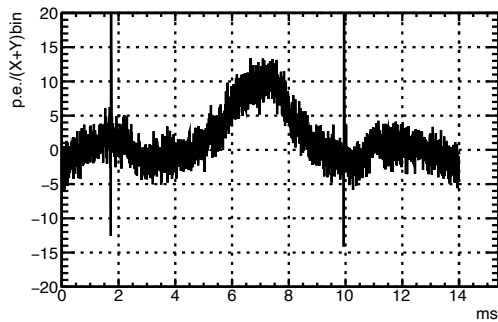
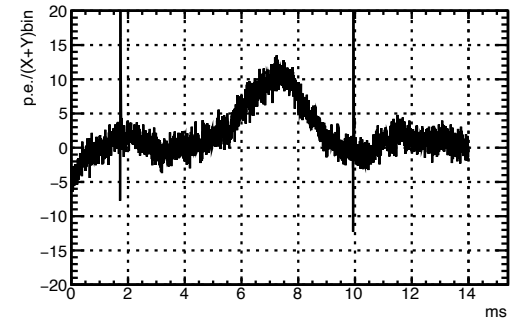
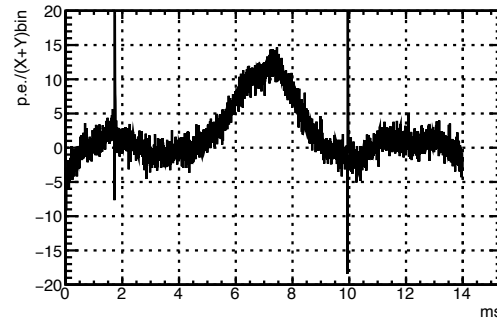
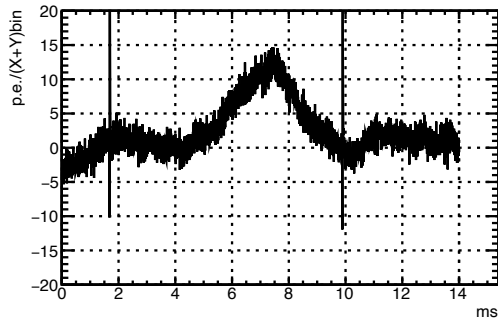
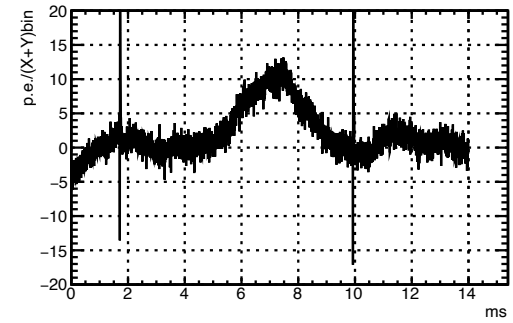
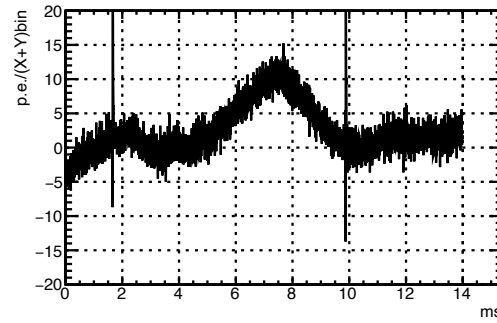
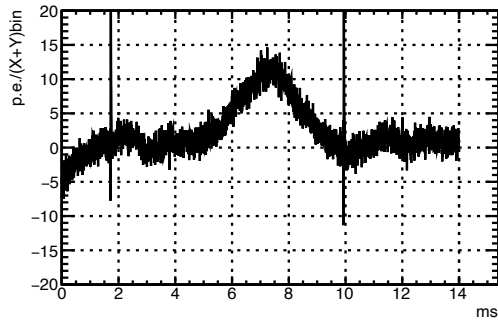


disconnect everything



Noise reduction (test board, 2Vpp)

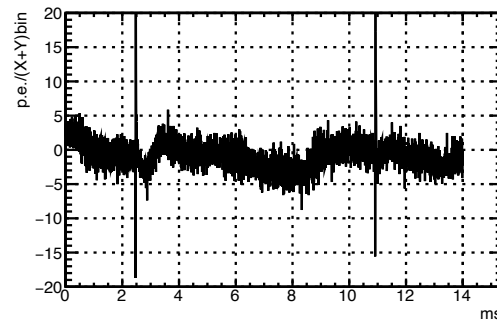
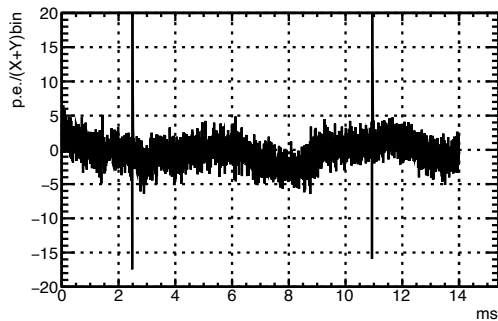
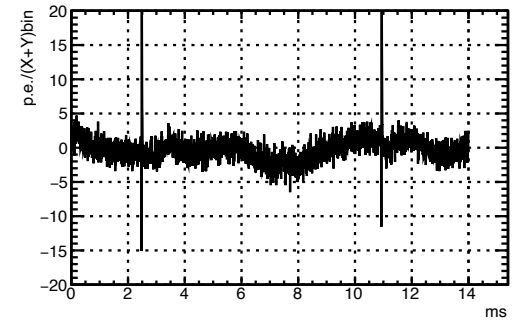
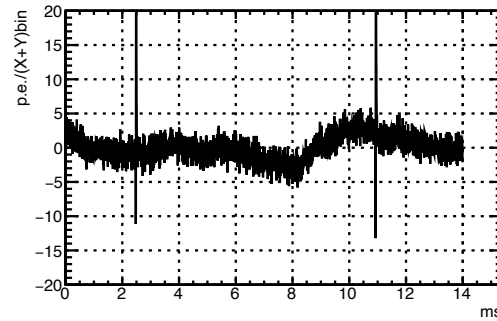
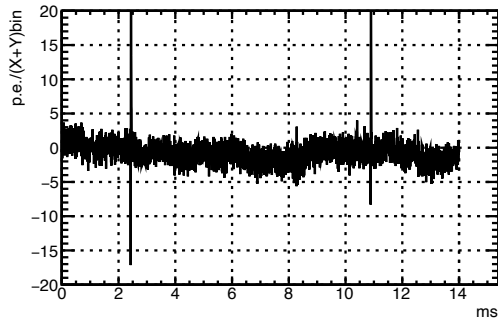
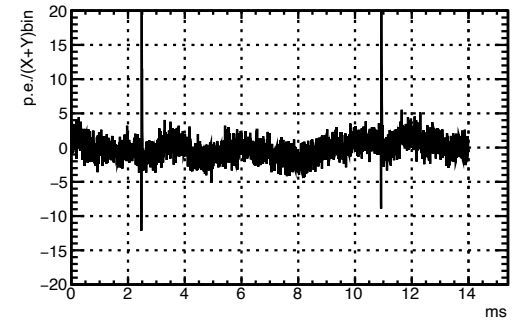
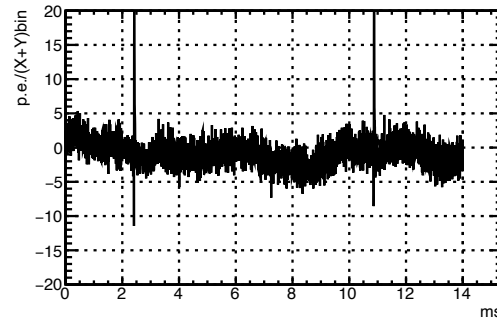
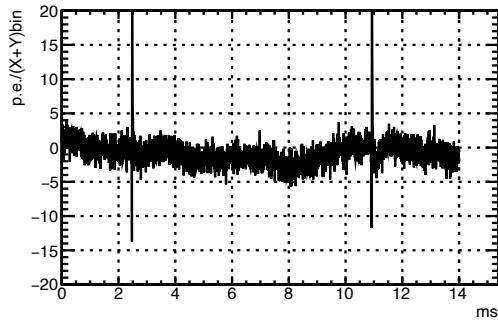
8 channels



w/o Isolator

Noise reduction (test board, 2Vpp)

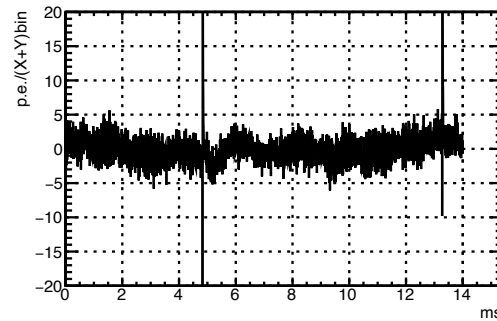
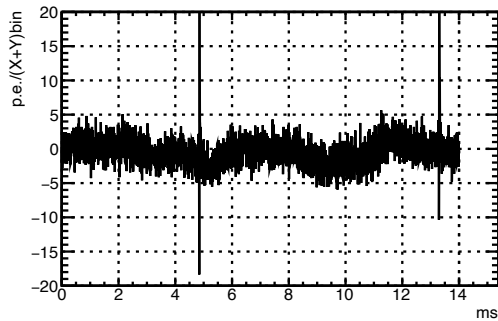
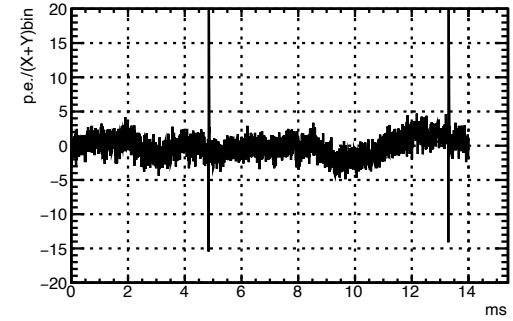
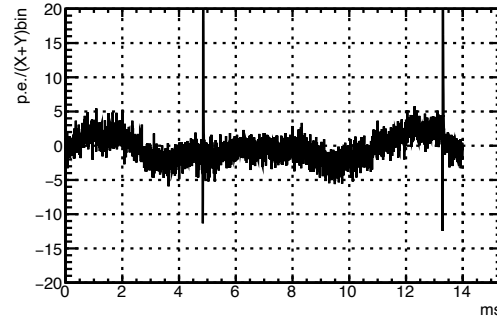
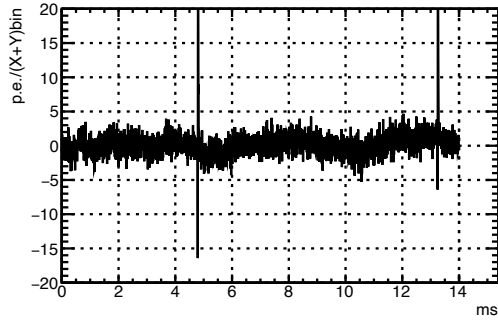
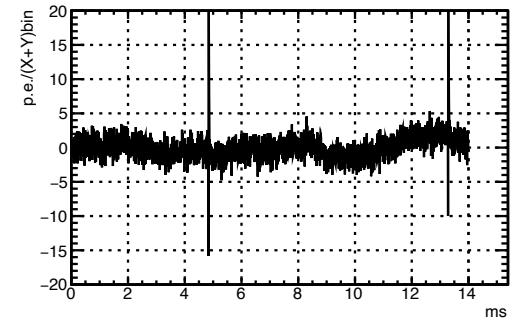
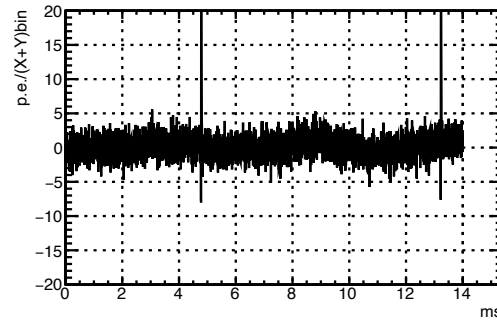
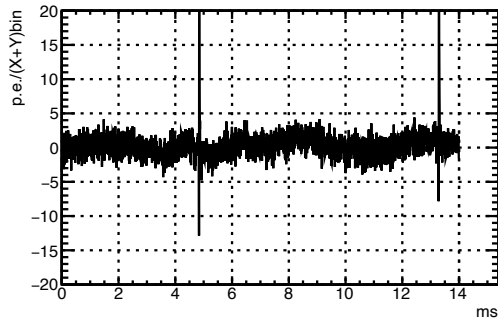
8 channels



w/ Isolator
Q switch + Flash lamp isolated

Noise reduction (test board, 2Vpp)

8 channels

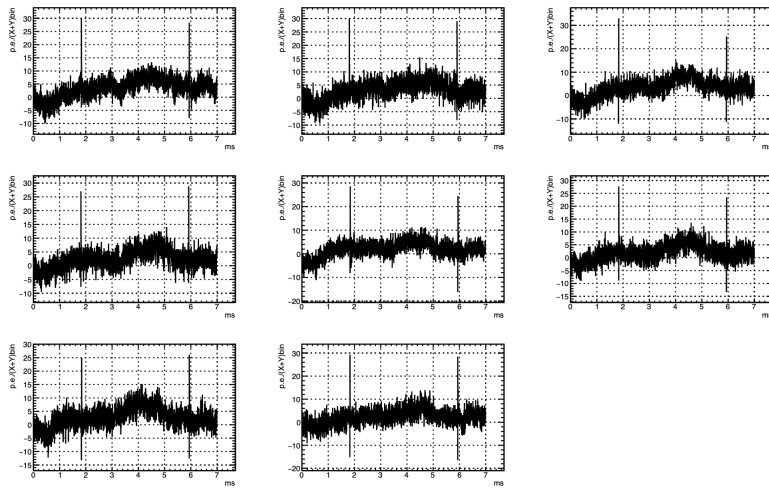


w/ Isolator
Q switch + Flash lamp isolated
others are disconnected

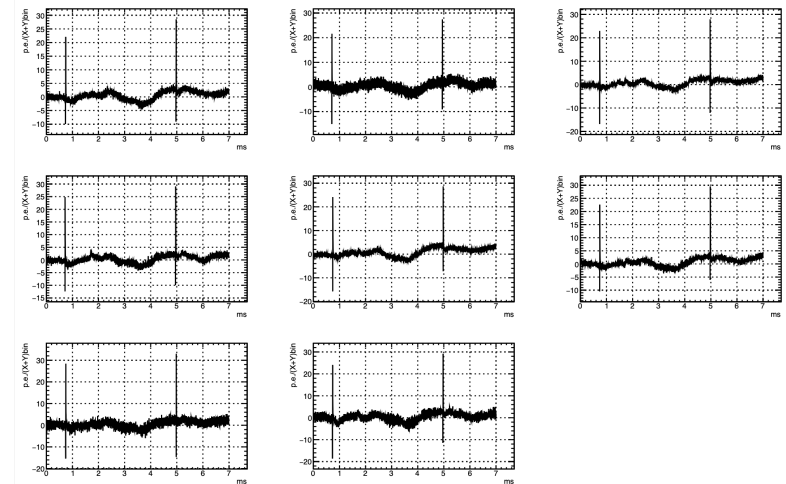
5Vpp vs 0.2Vpp

single shot

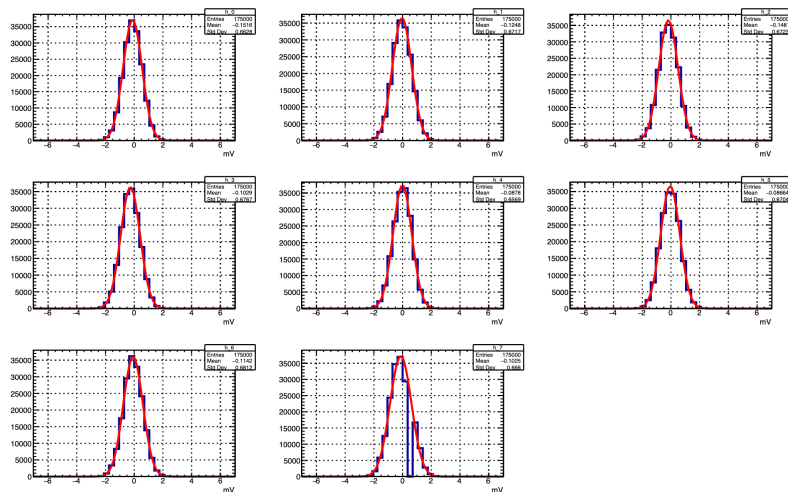
5Vpp 1 shot trace



0.2Vpp 1 shot trace



5Vpp RMS



0.2Vpp RMS

