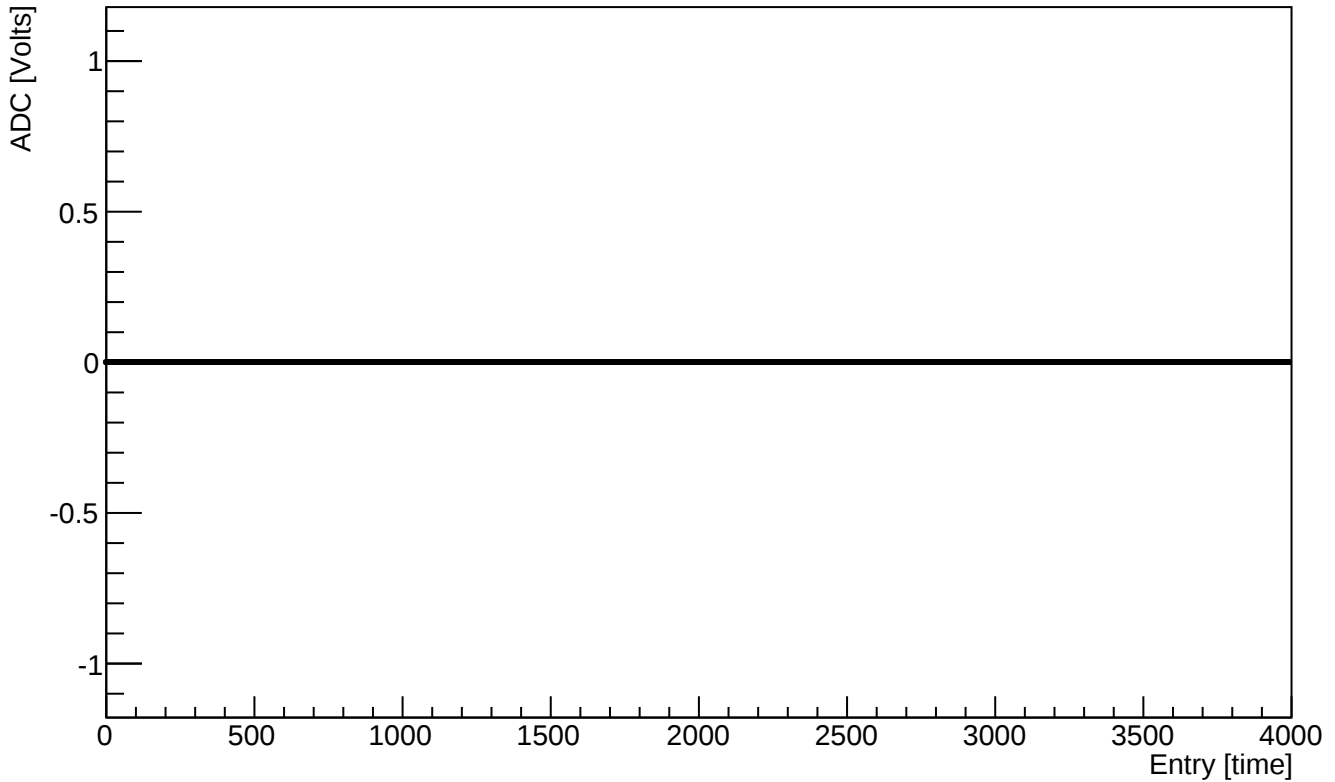


ACQ2006 Noise Measurement Revisited

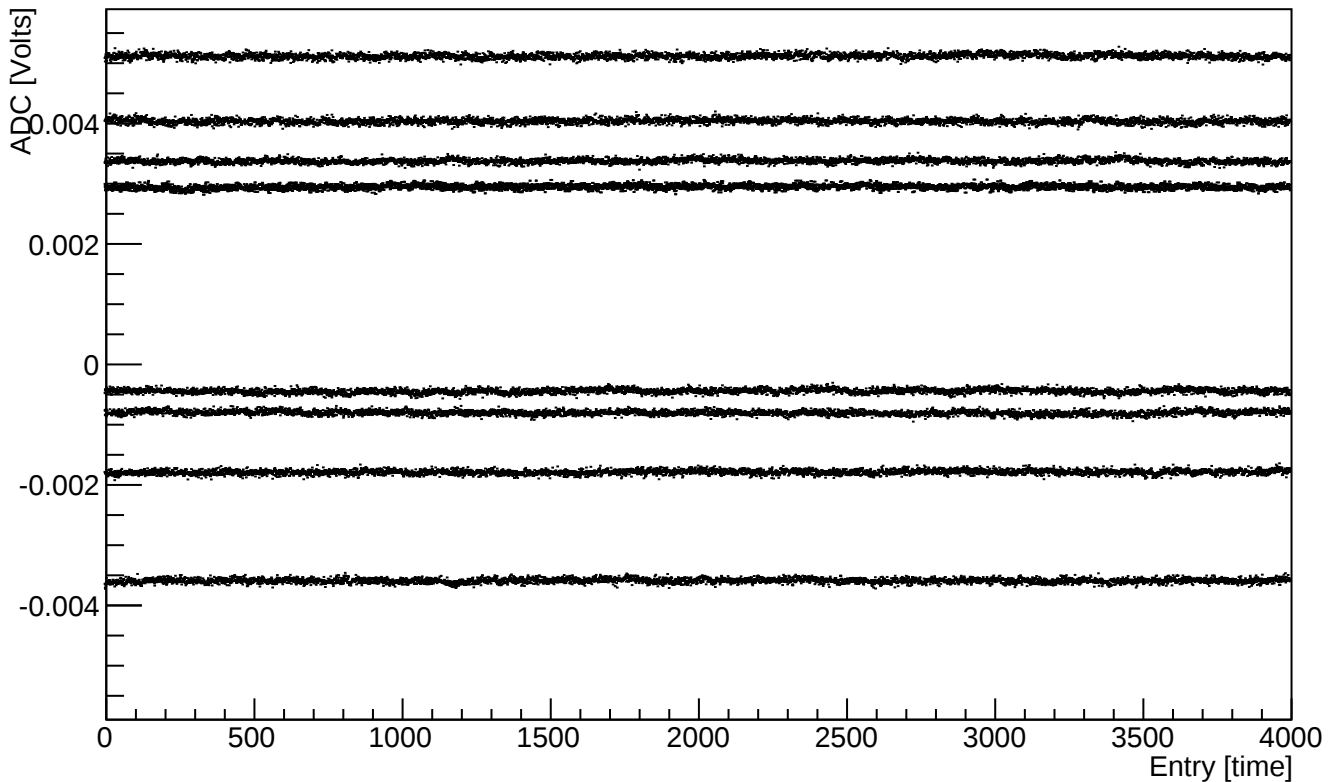
Summery:

- ACQ2006 ADC noise was measured both for High and low resolution mode. (Previous measurement was stuck in low resolution mode).
- Sinusoidal signal(1Volt, 60Hz) was applied to one channel using twisted cable(used for old DAQ) connected via an adapter to the ADC(previously it was a bundle cable).
- At low resolution mode the ADC noise ~ 39 micro Volt for ~48KHz Sample rate.
- At high resolution mode the ADC noise ~ 27 micro volt for ~48 KHz sample rate.
- Small cross talk observed even with twisted cable.

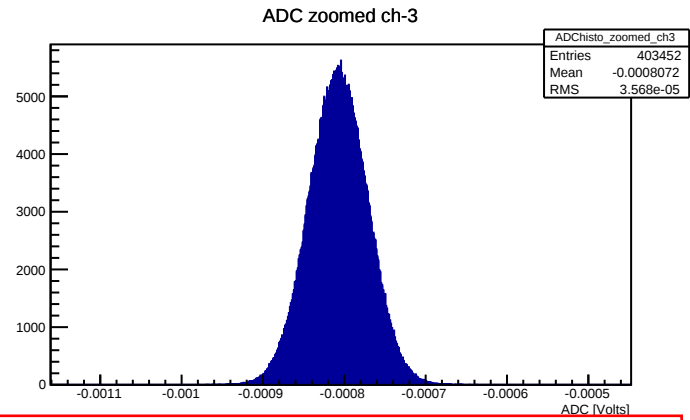
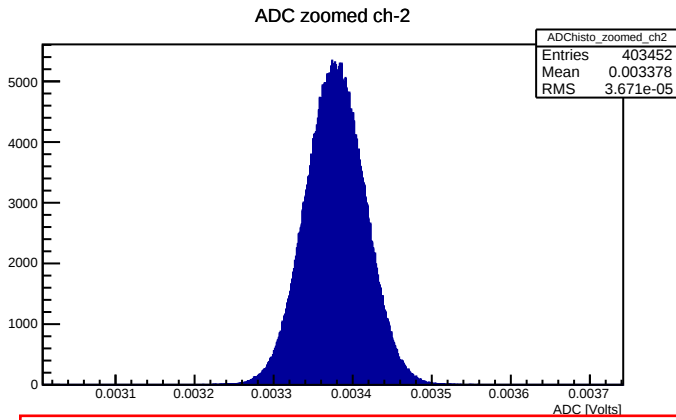
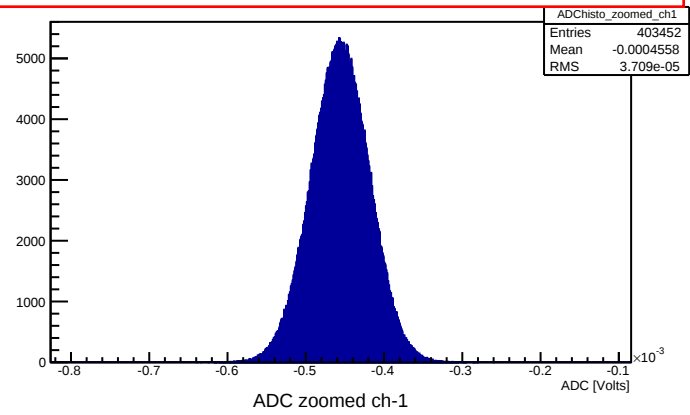
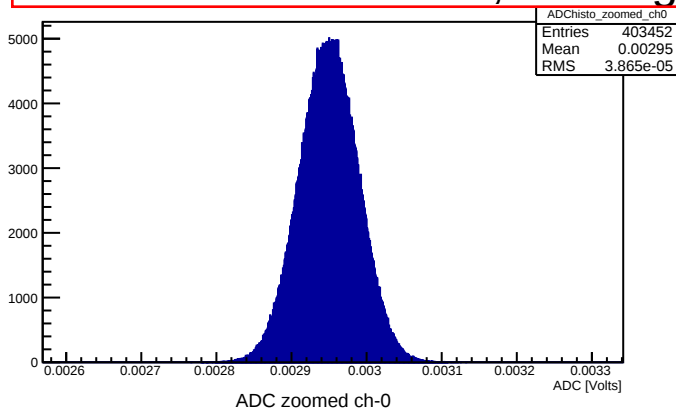
Low resolution mode , running at 48KHz with no cable connected



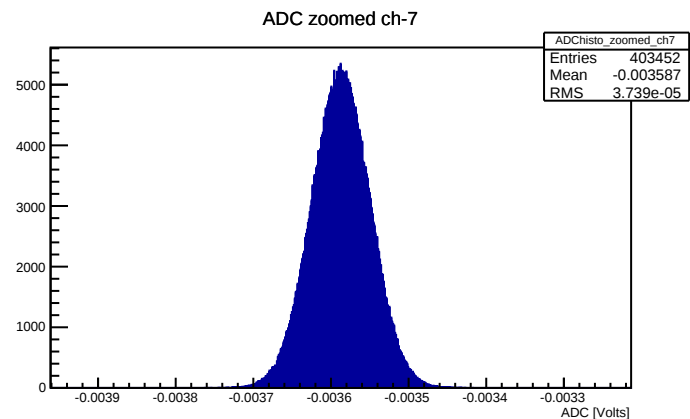
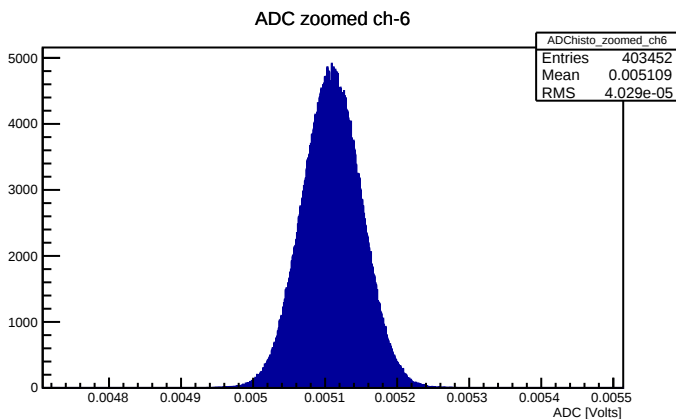
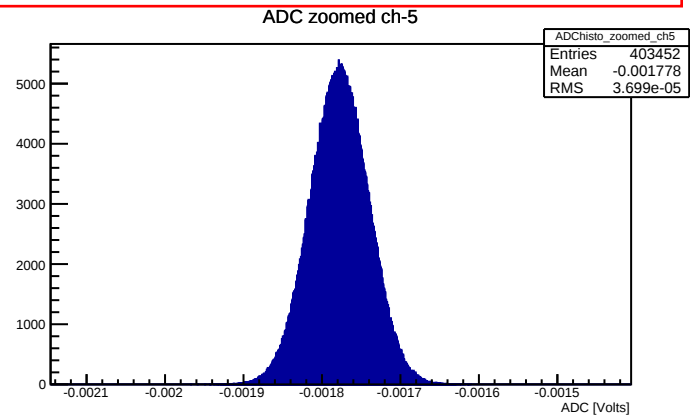
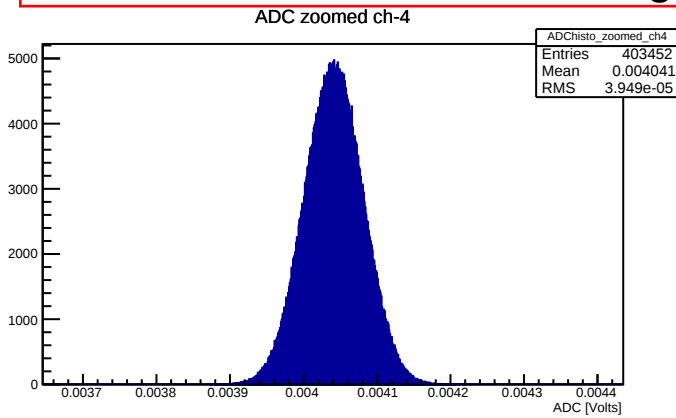
Low resolution mode , running at 48KHz with no cable connected
Zoomed



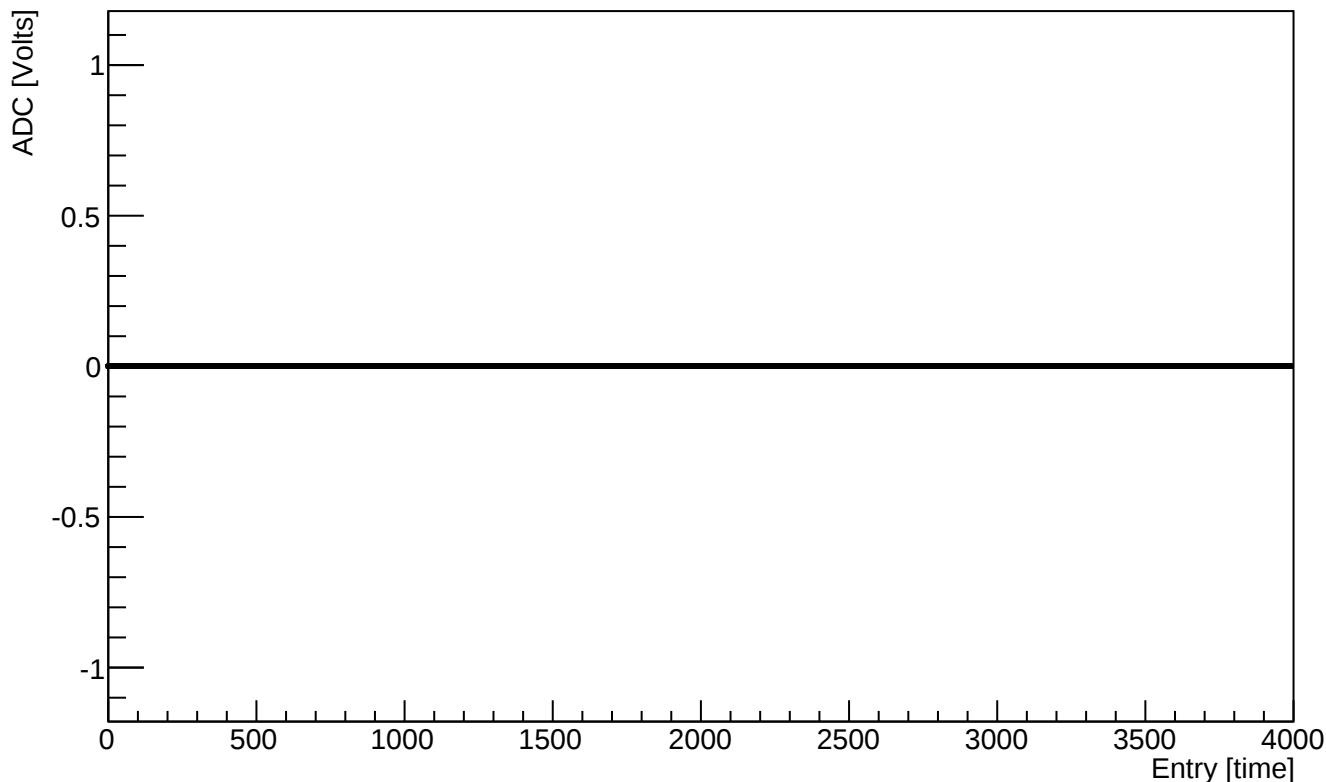
Low resolution mode , running at 48KHz with no cable connected



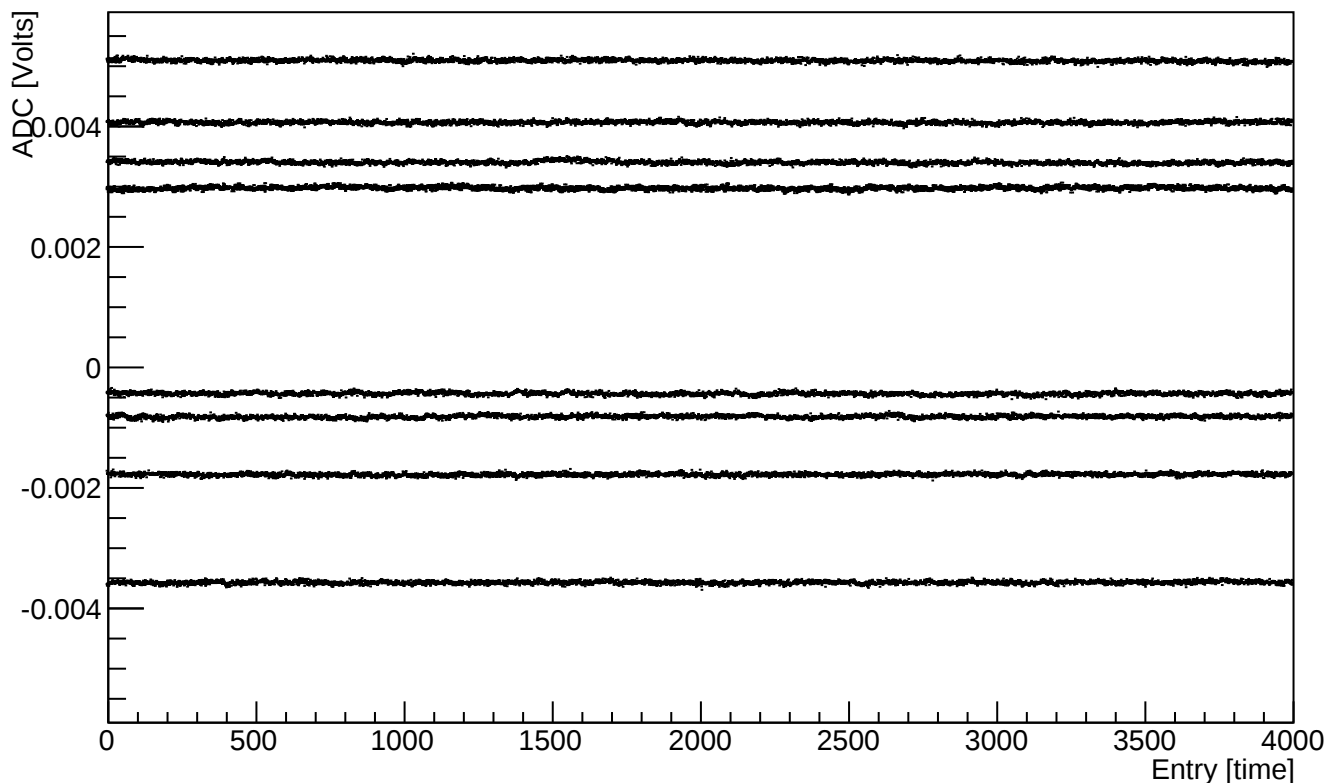
Low resolution mode , running at 48KHz with no cable connected



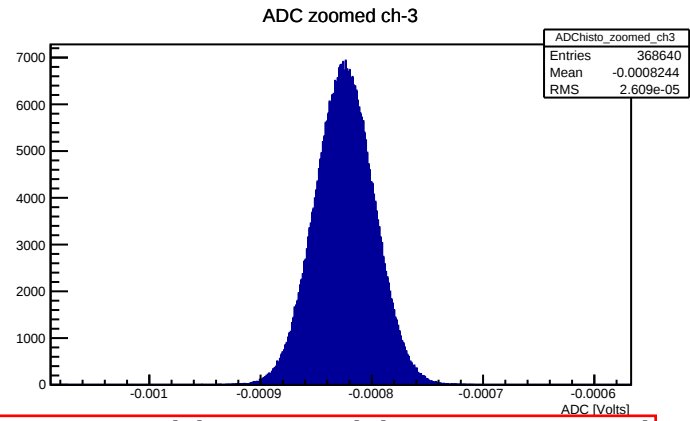
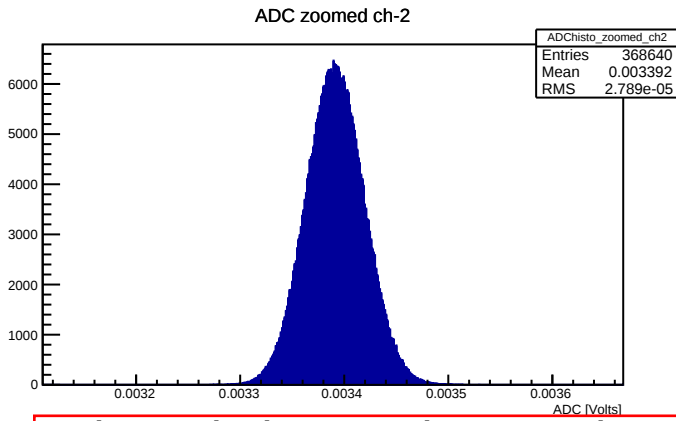
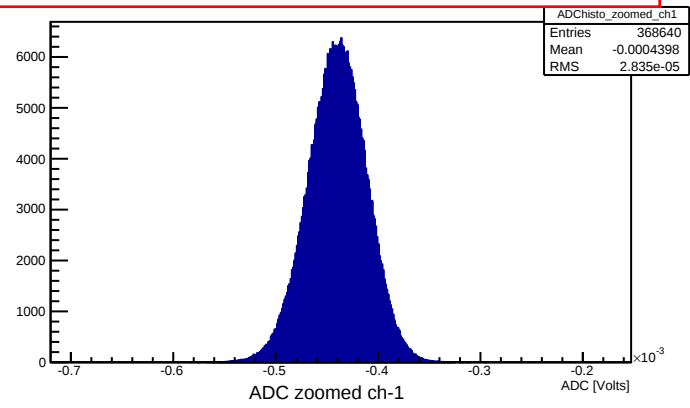
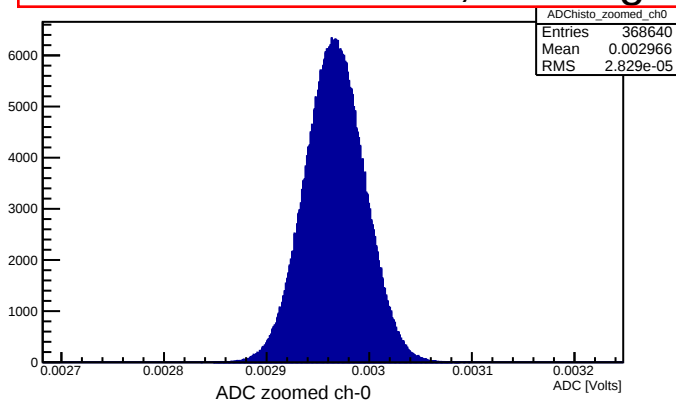
Hi resolution mode , running at 48KHz with no cable connected



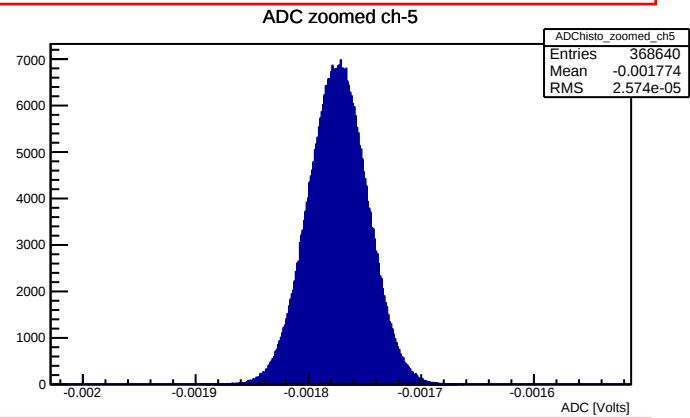
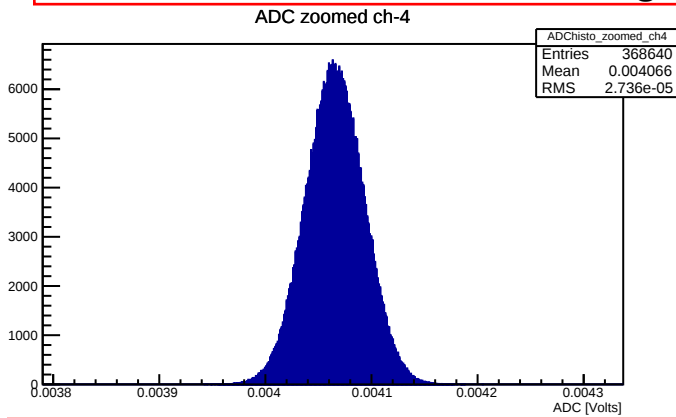
Hi resolution mode , running at 48KHz with no cable connected
Zoomed



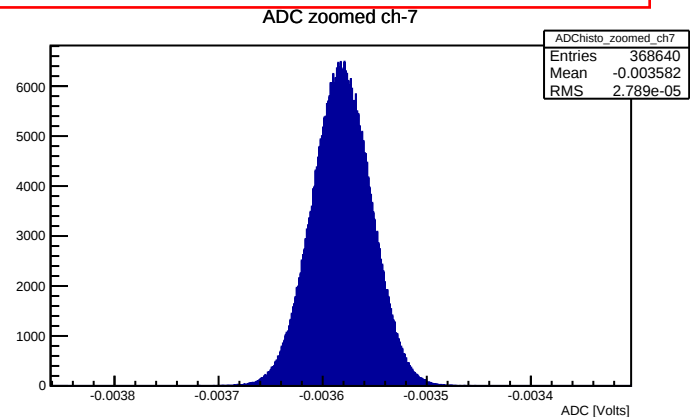
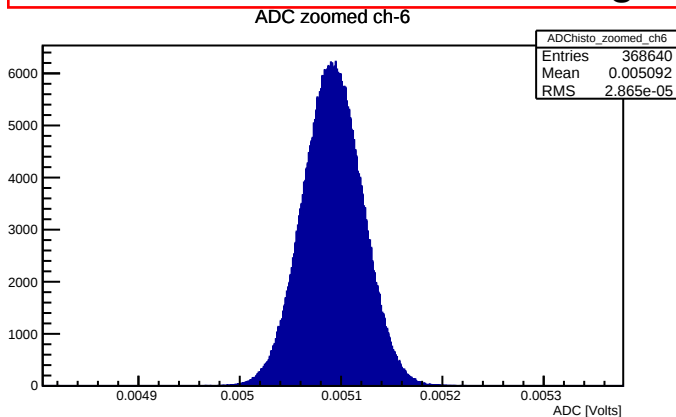
Hi resolution mode , running at 48KHz with no cable connected



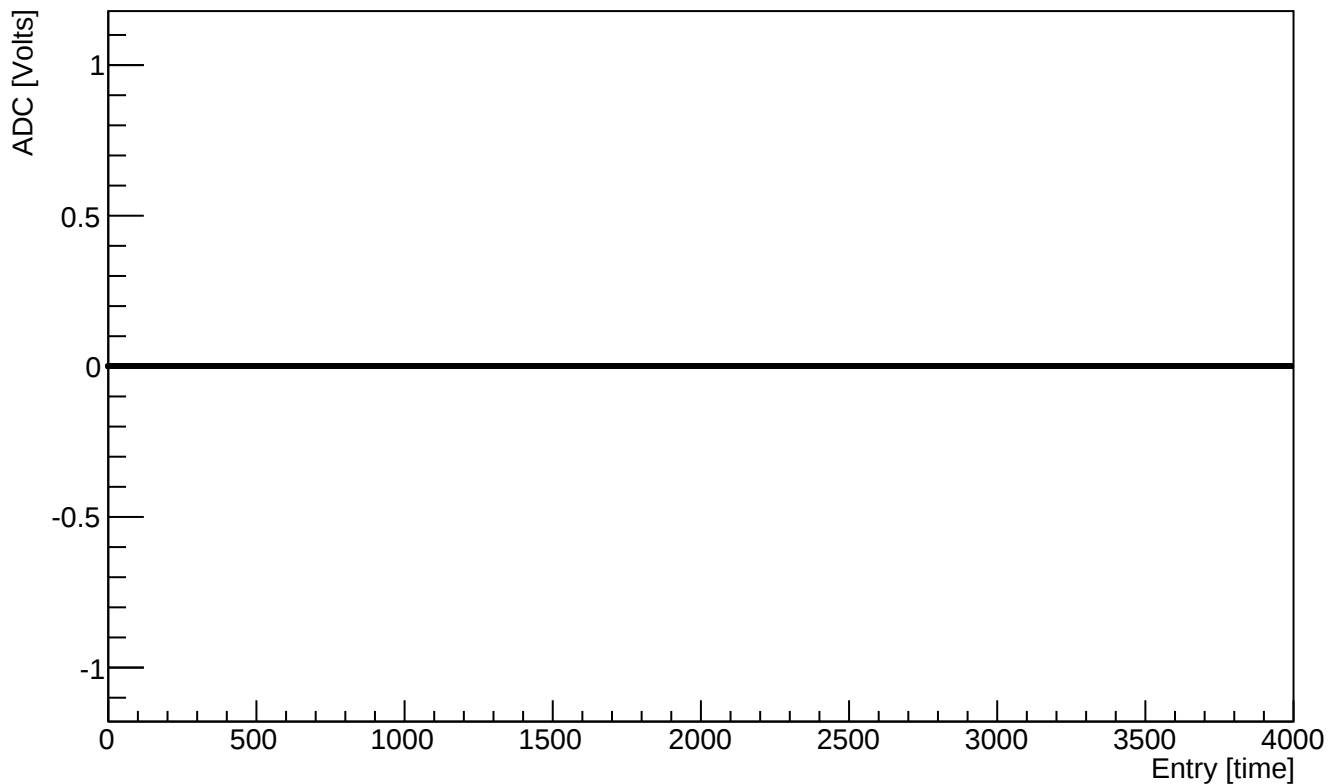
Hi resolution mode , running at 48KHz with no cable connected



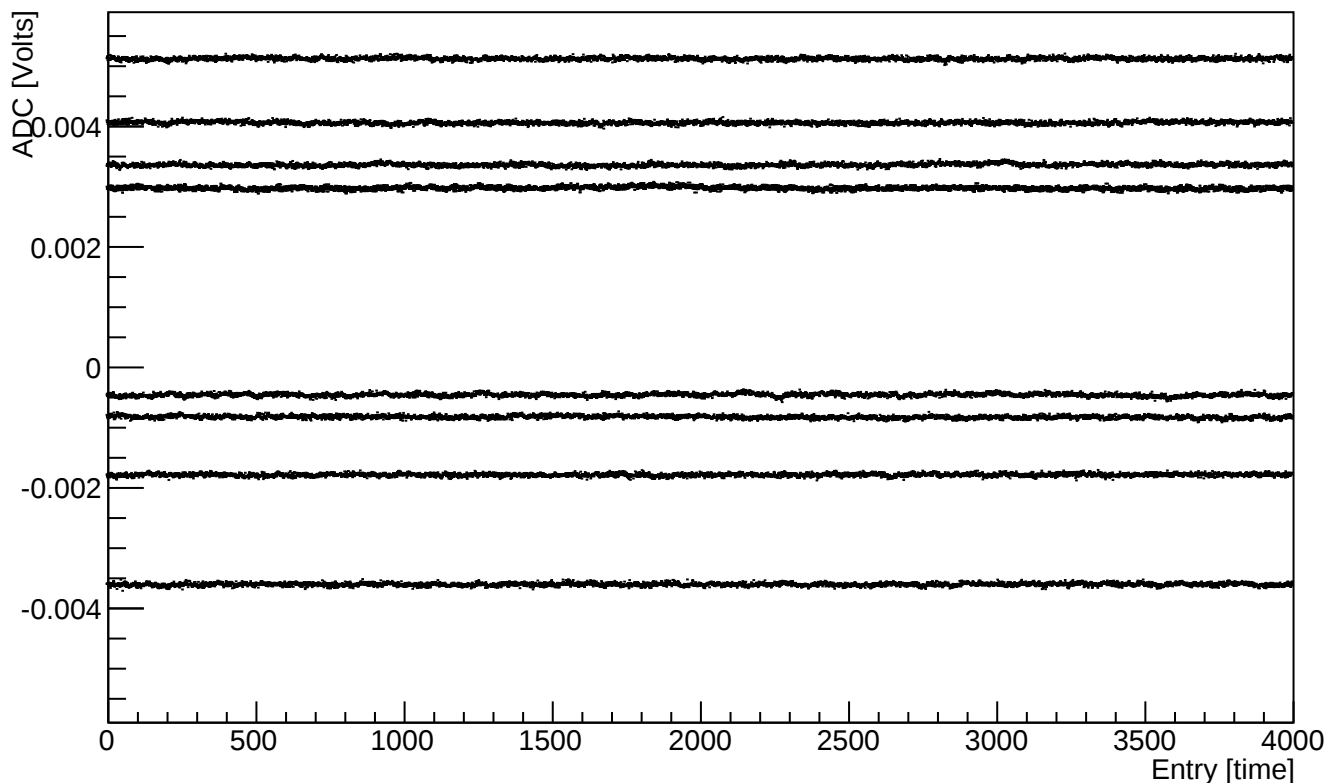
Hi resolution mode , running at 48KHz with no cable connected



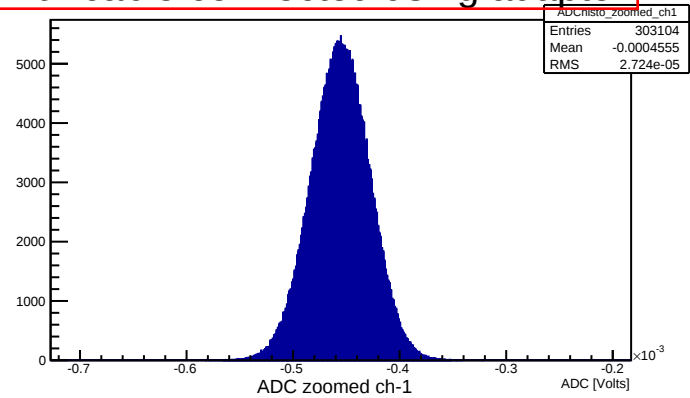
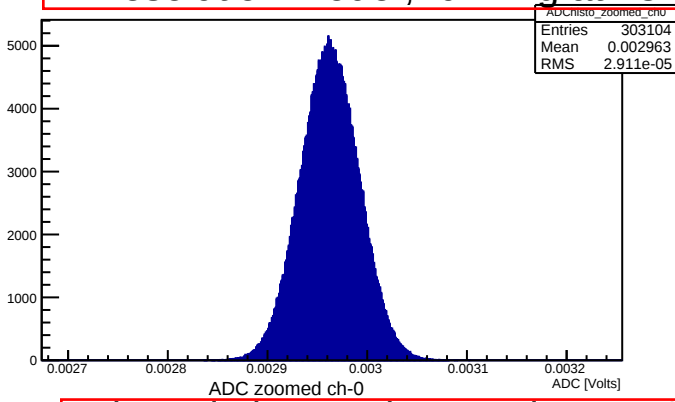
Hi resolution mode , running at 48KHz with cable connected using adapter



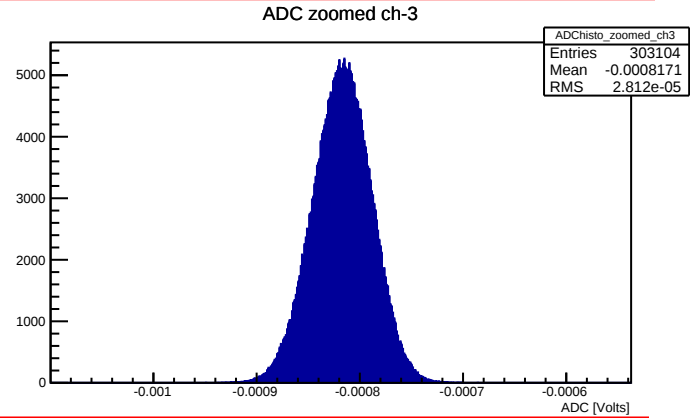
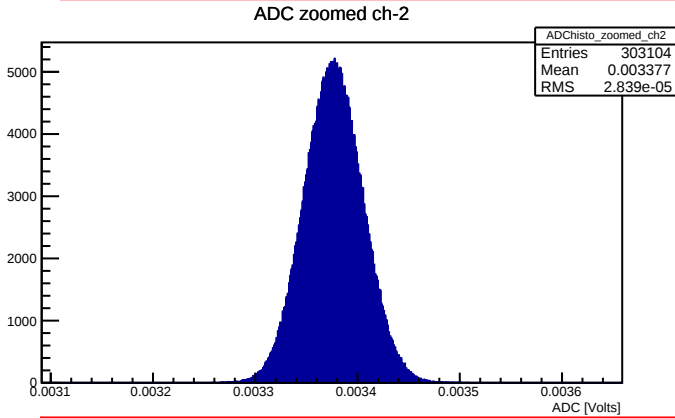
Hi resolution mode , running at 48KHz with cable connected using adapter
Zoomed



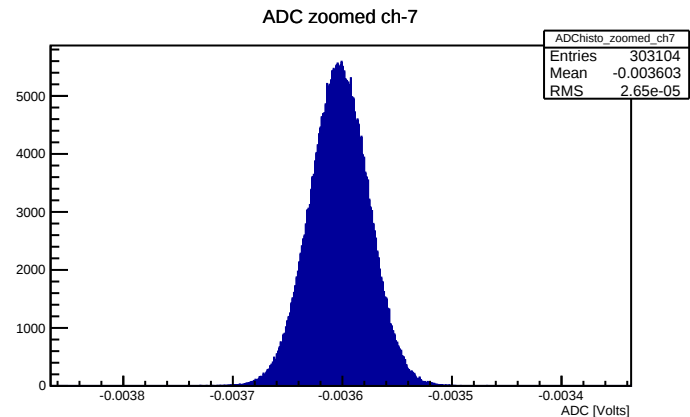
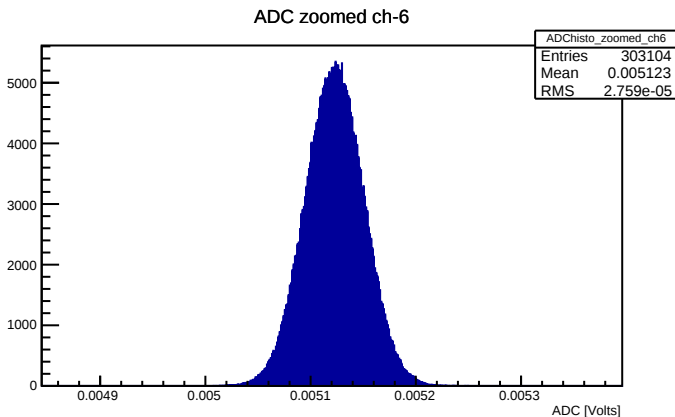
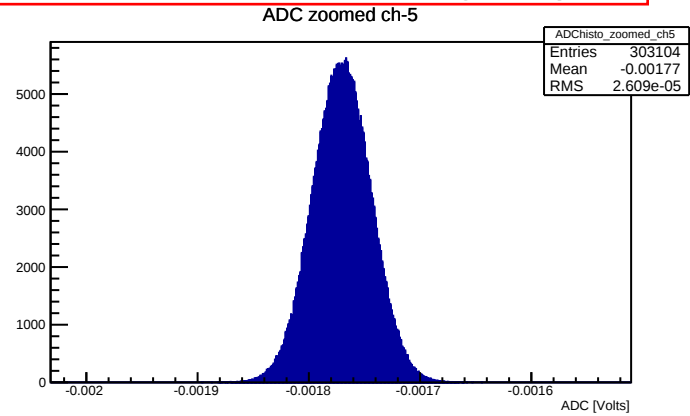
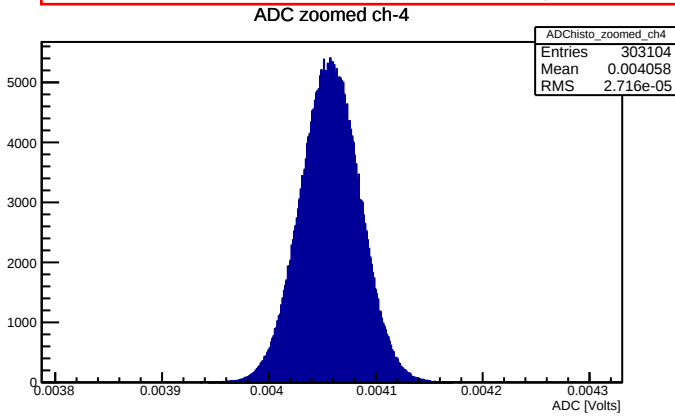
Hi resolution mode , running at 48KHz with cable connected using adapter



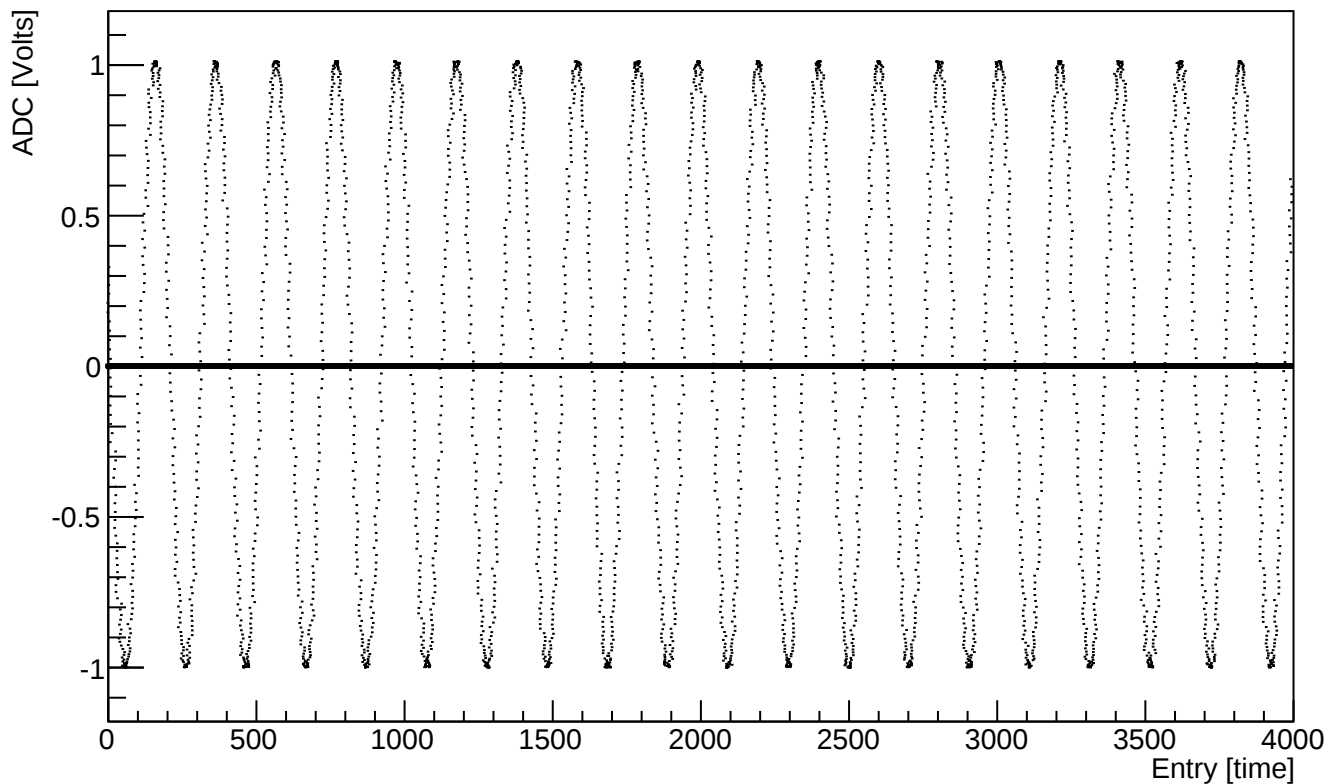
Hi resolution mode , running at 48KHz with cable connected using adapter



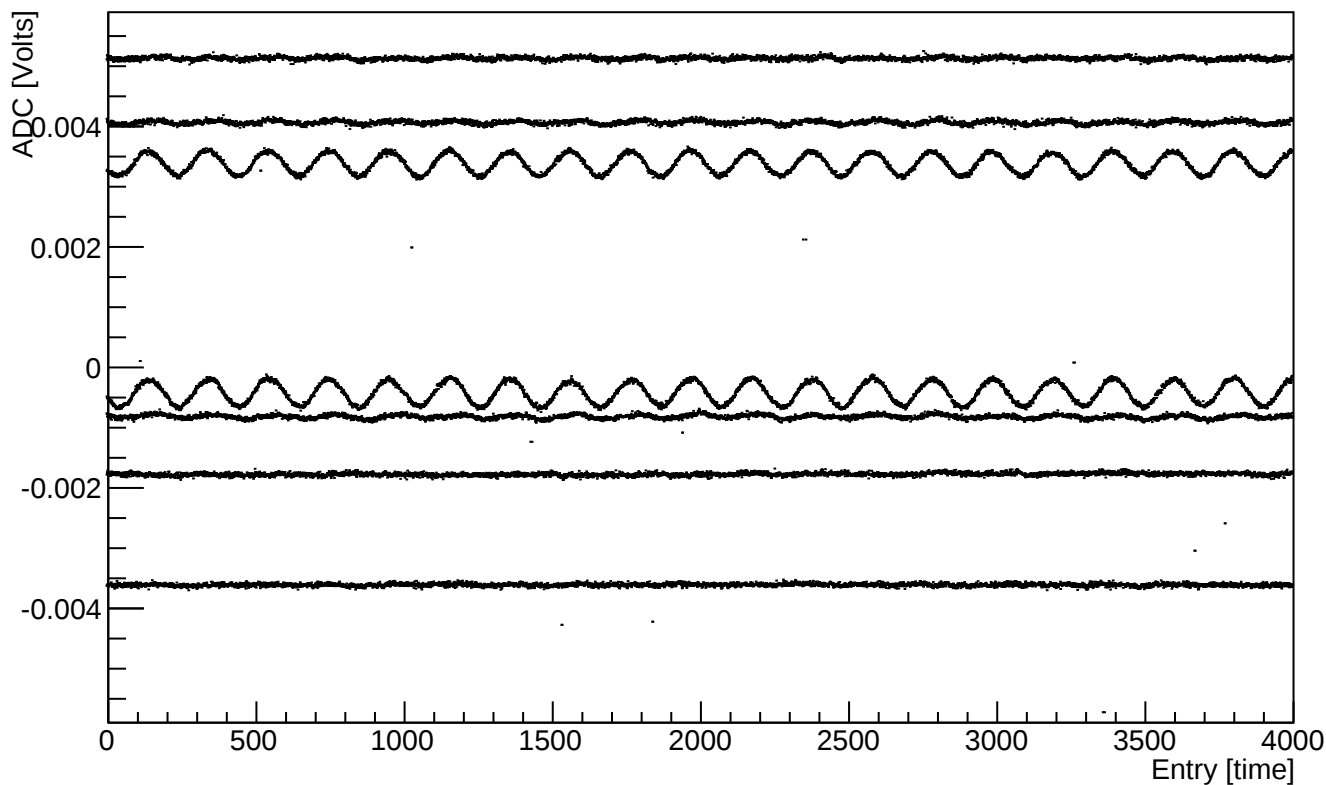
Hi resolution mode , running at 48KHz with cable connected using adapter



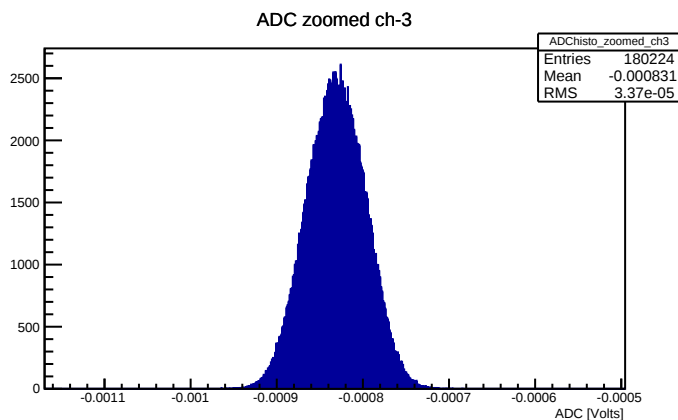
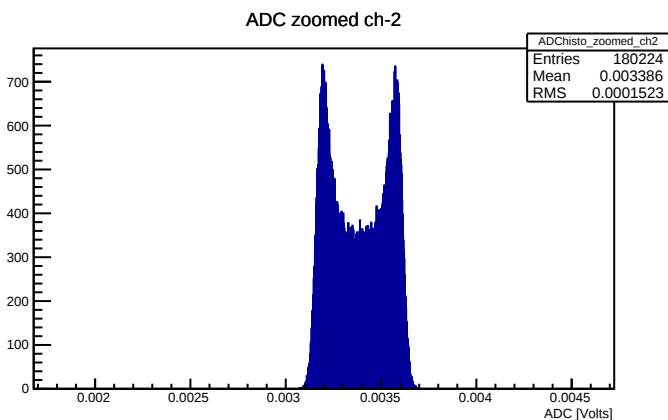
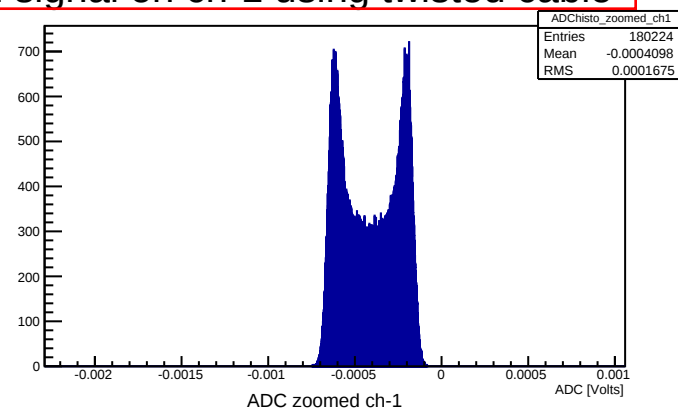
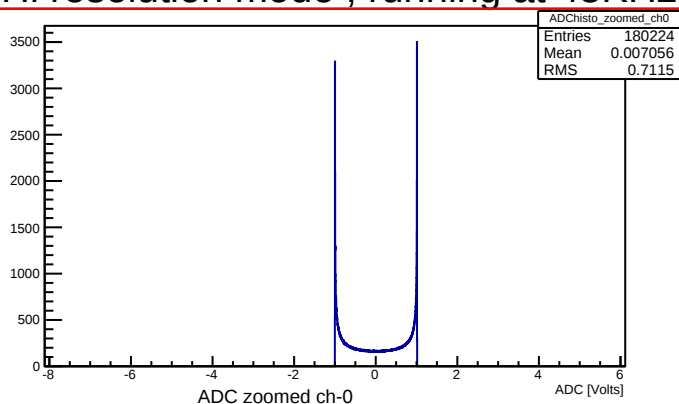
Hi resolution mode , running at 48KHz with signal on ch-1 using adapter and twisted cable



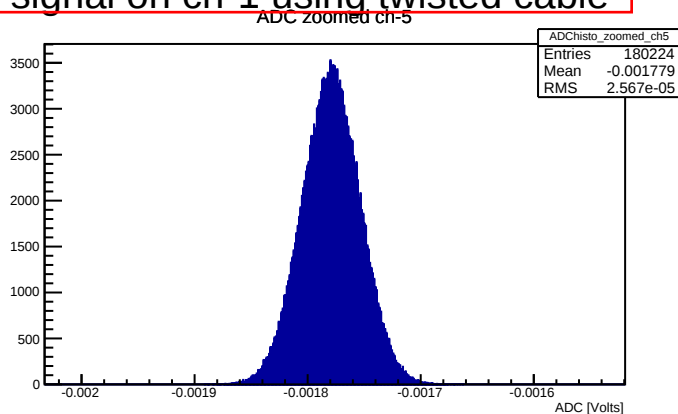
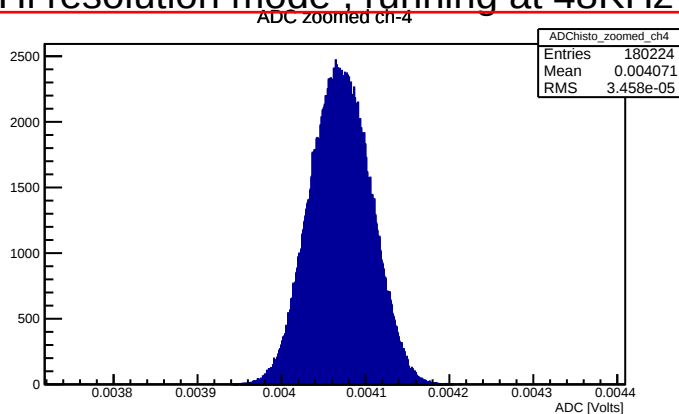
Hi resolution mode , running at 48KHz with signal on ch-1 using adapter and twisted cable
Zoomed



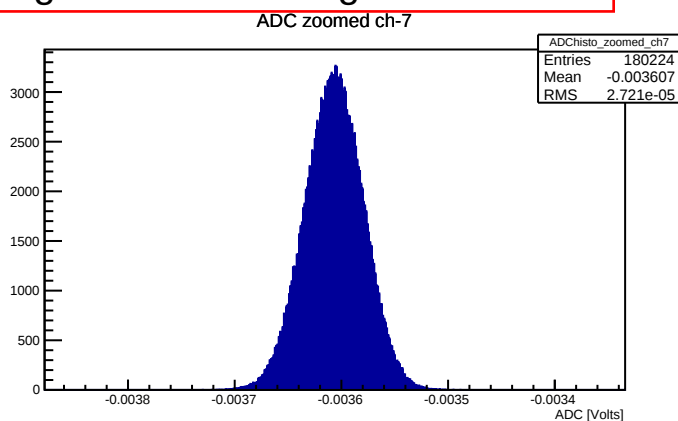
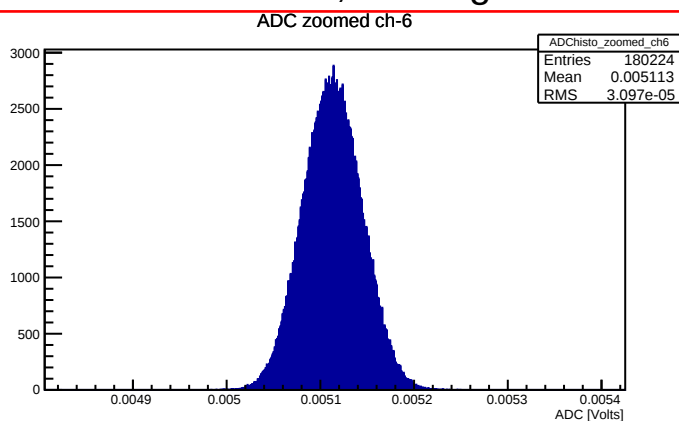
Hi resolution mode , running at 48KHz with signal on ch-1 using twisted cable



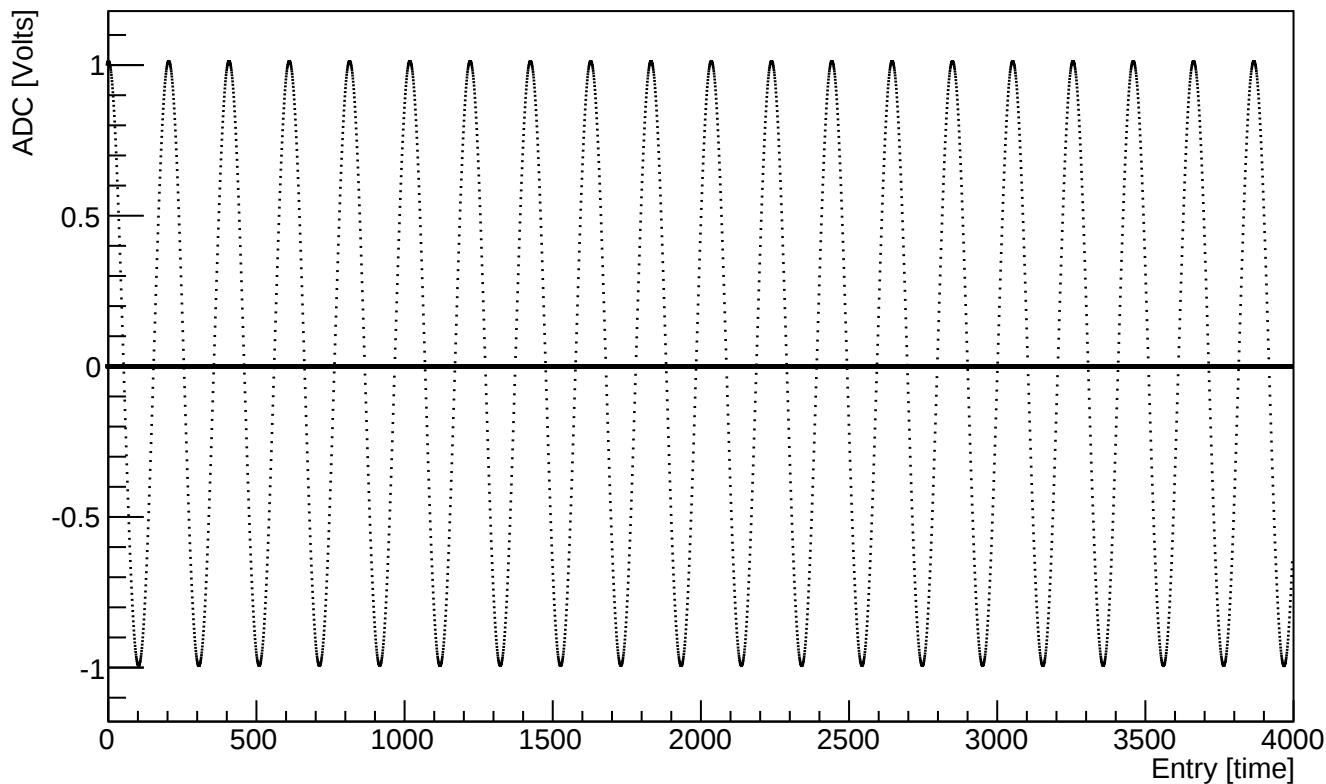
Hi resolution mode , running at 48KHz with signal on ch-1 using twisted cable



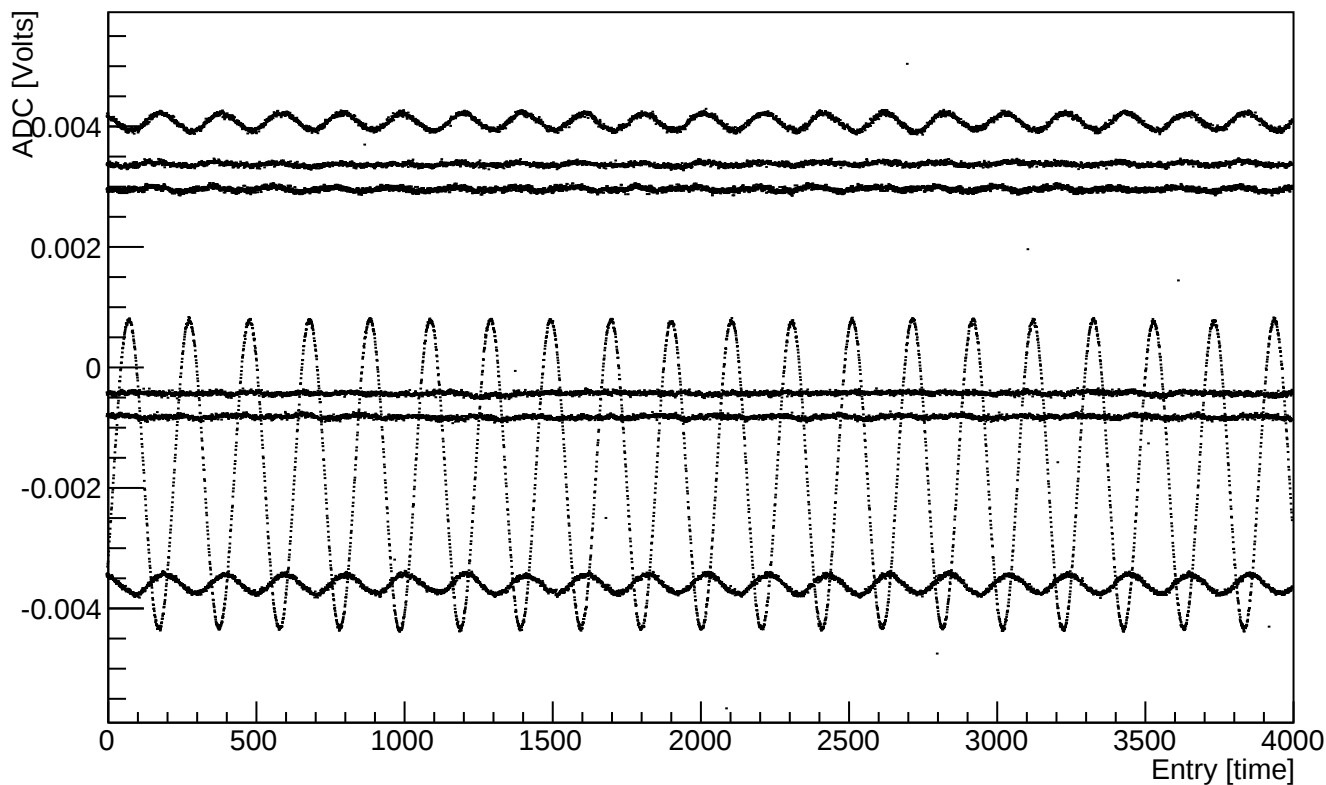
Hi resolution mode , running at 48KHz with signal on ch-1 using twisted cable



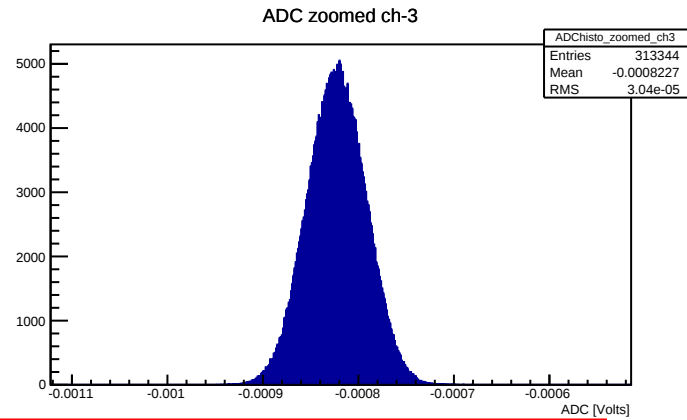
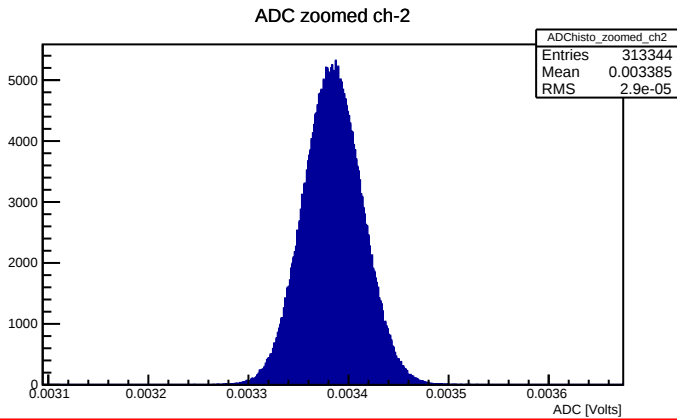
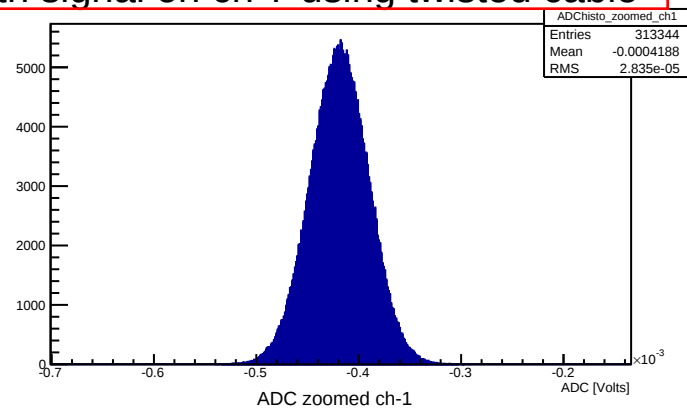
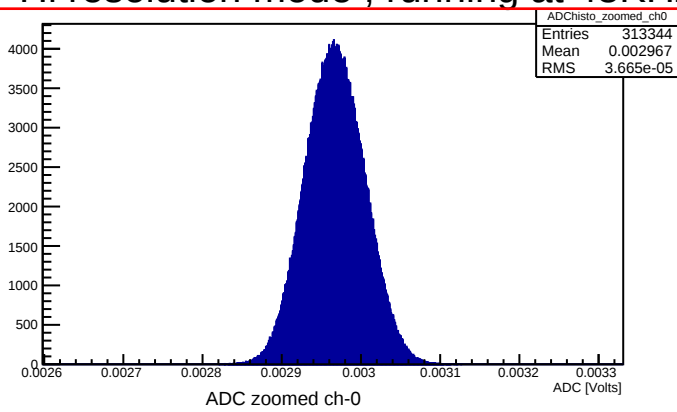
Hi resolution mode , running at 48KHz with signal on ch-7 using twisted cable



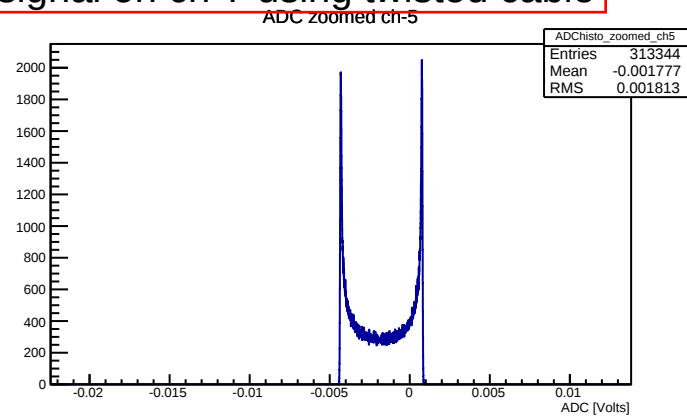
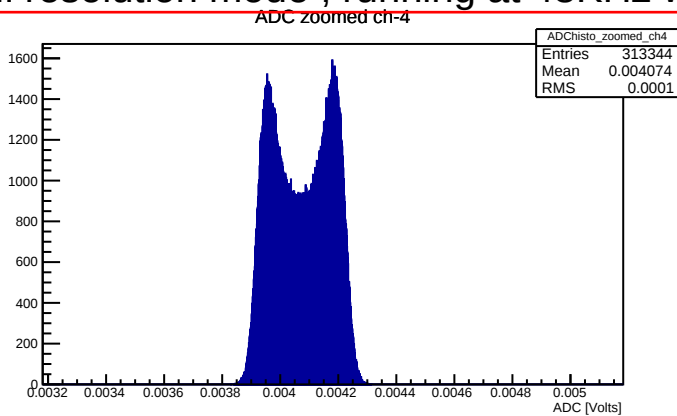
Hi resolution mode , running at 48KHz with signal on ch-7 using twisted cable
Zoomed



Hi resolution mode , running at 48KHz with signal on ch-7 using twisted cable



Hi resolution mode , running at 48KHz with signal on ch-7 using twisted cable



Hi resolution mode , running at 48KHz with signal on ch-7 using twisted cable

