Mod-3 Run2 LRS

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on behalf of the LRS team

- No changes on LRS compared to Mod-2

- Same set of readout electronics used

- 2 (of 96) channels dead inside module
  - Pre-amp or cabeling failure

- 3 dead channels on warm side of DAQ chain
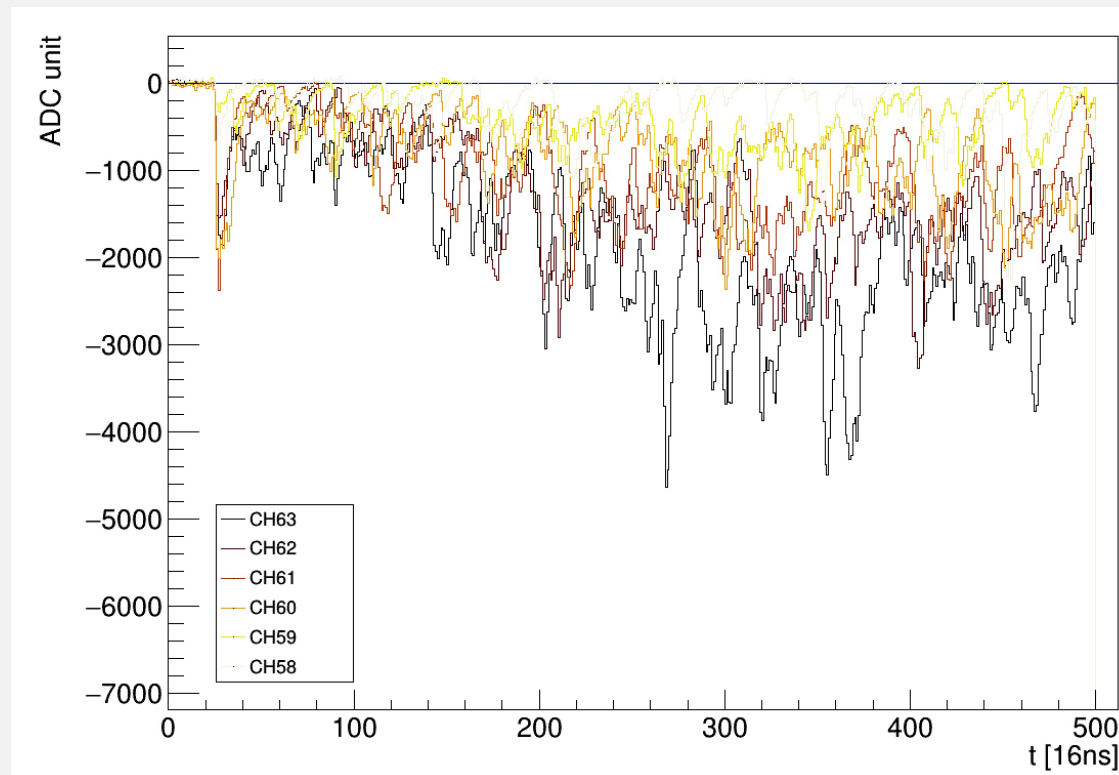 - No time for investigation during run
  - Problem resolved in warm
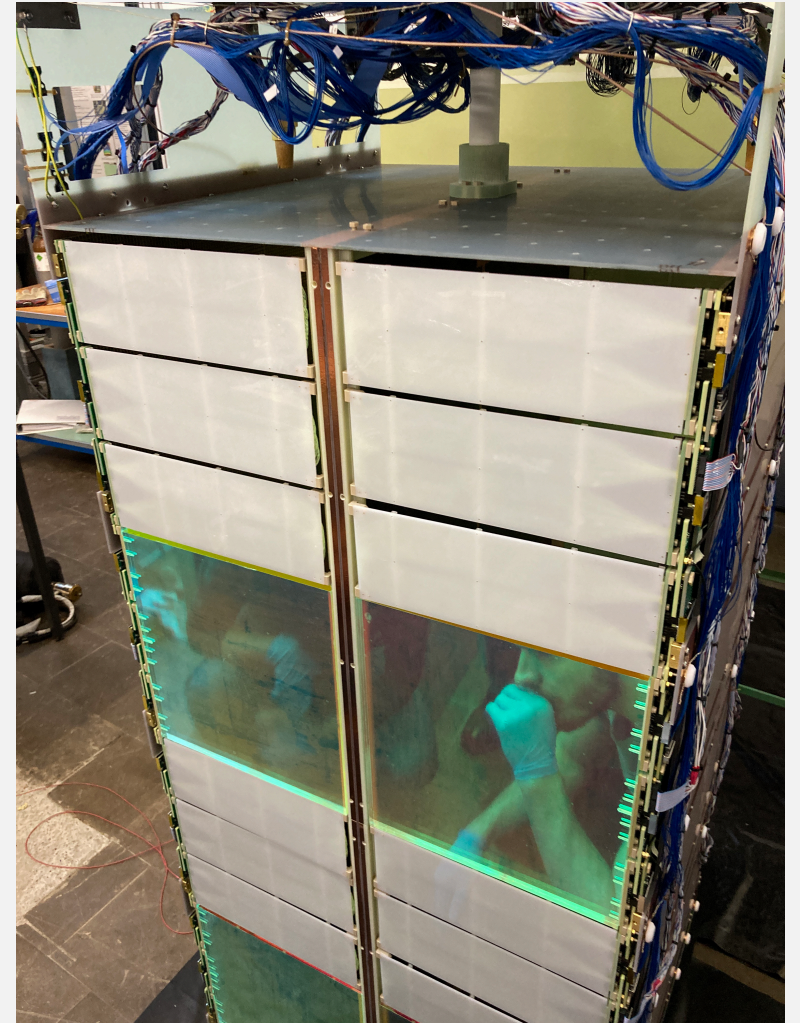
HV discharges

- Normal operation with HV off

- First increased trigger rate during ramp up to 3.7kV

- Trigger rate at nominal filed at ~1kHz
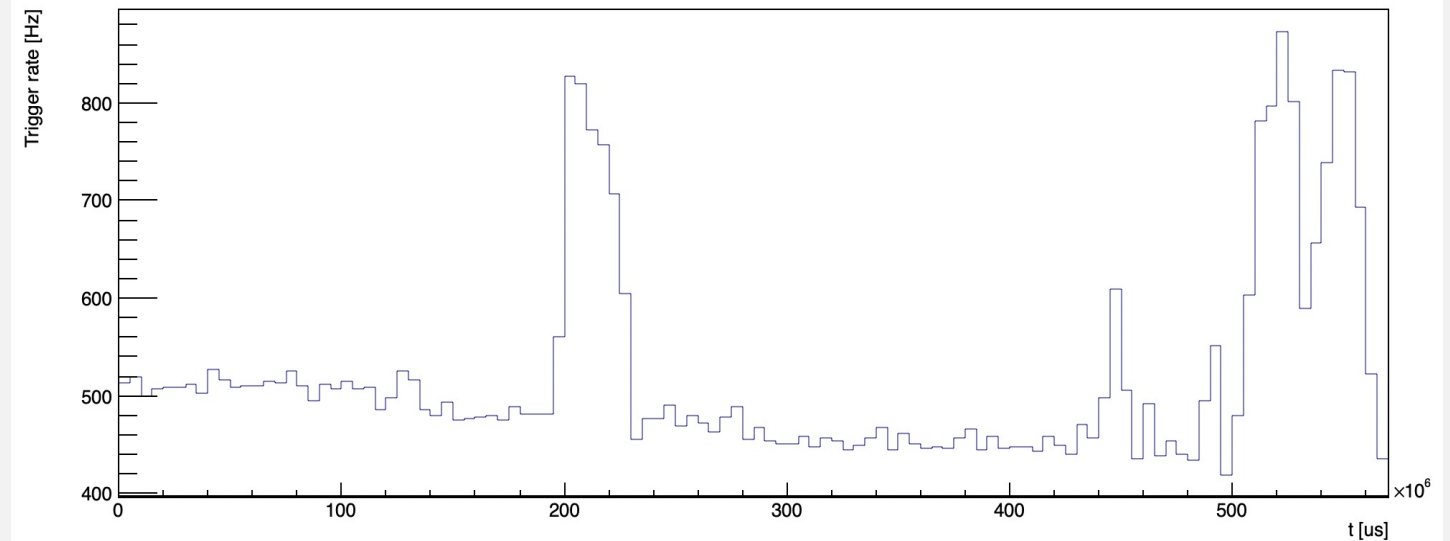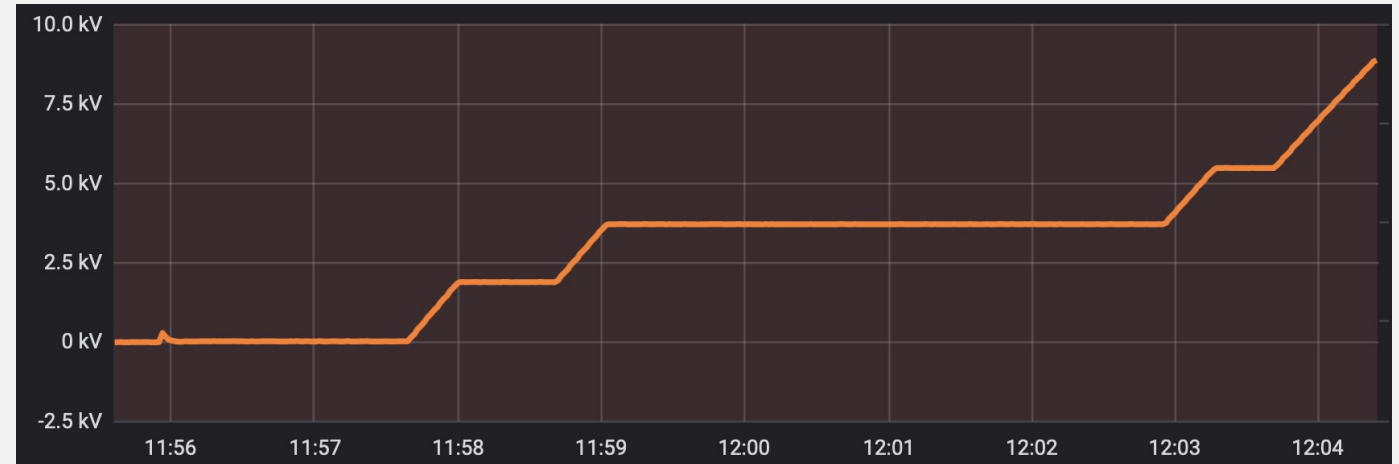
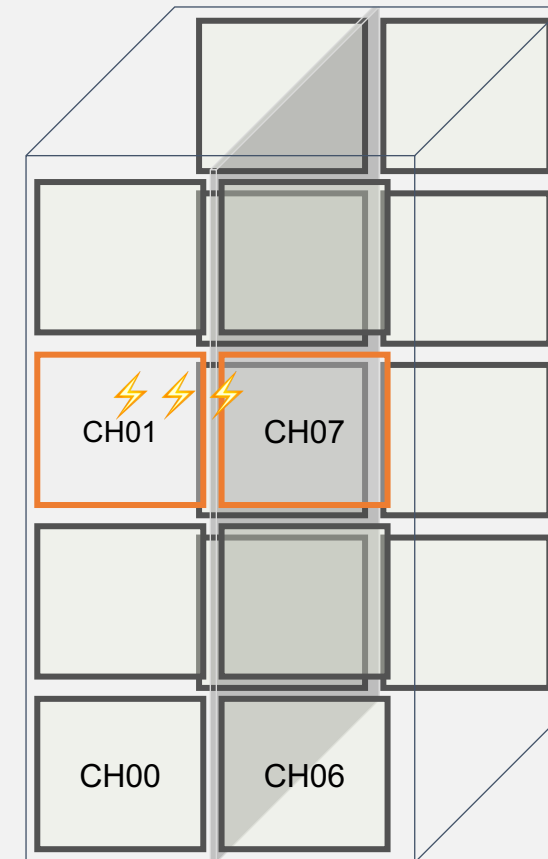# Location

- Excessive light events moved with side panel

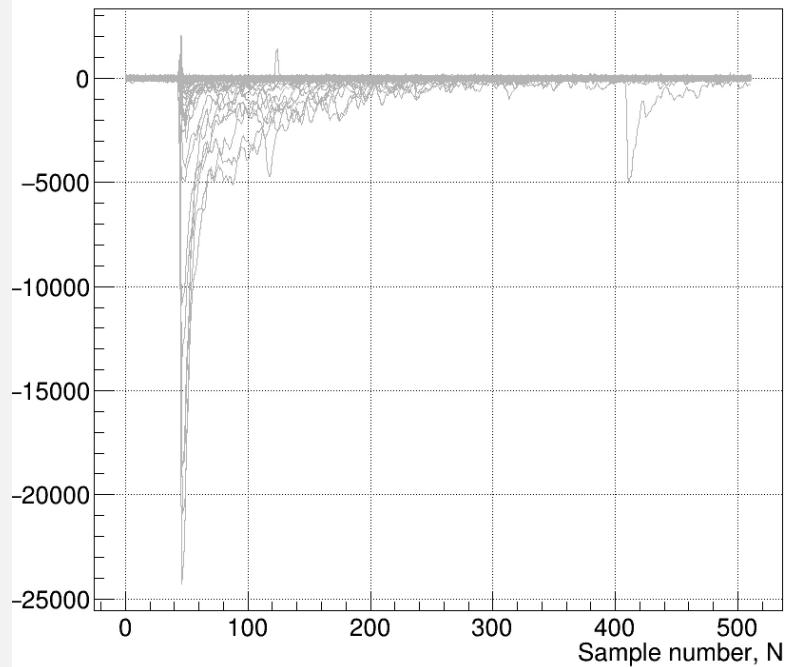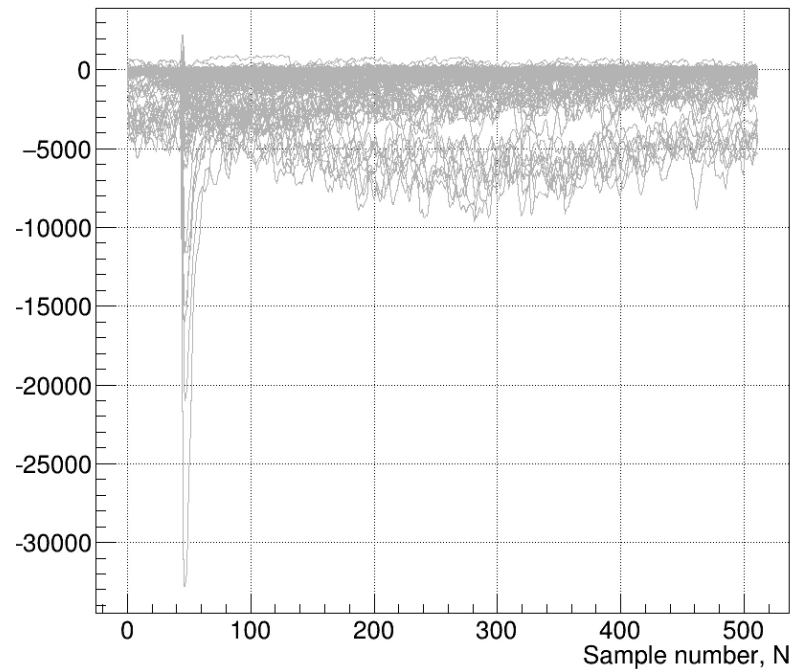- Most light in TPC 1, less on TPC2

Run 1

- Sum / trigger channels with noise tiles triggering
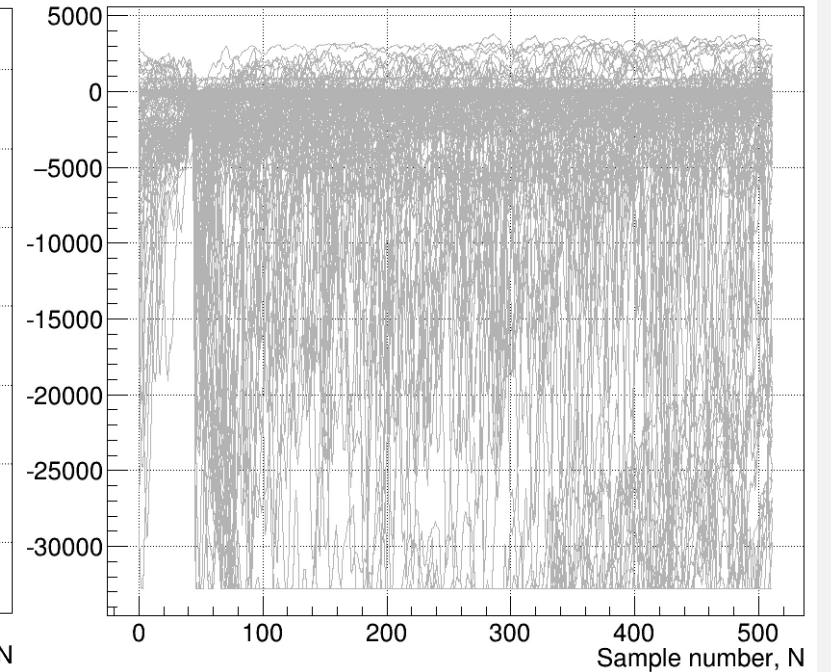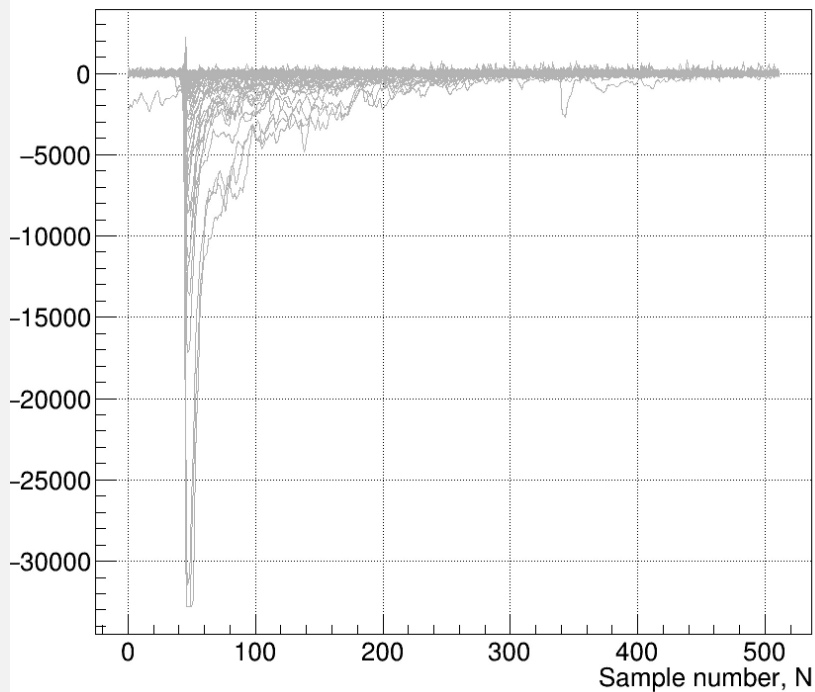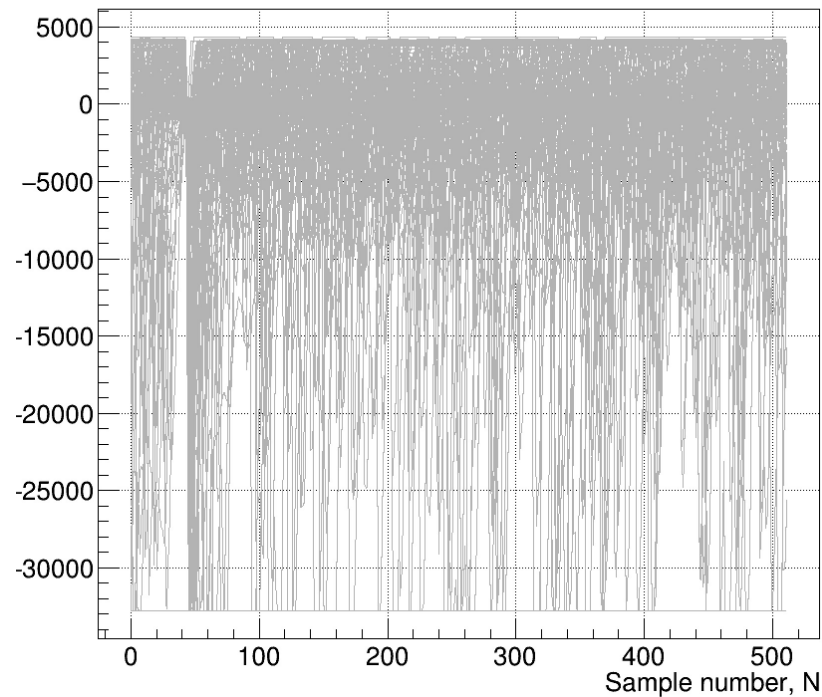- At 4.9kV

Single waveforms CH00

Single waveforms CH03

Single waveforms CH05

Run 2

- Sum / trigger channels with noise tiles triggering
- At 8.8kV

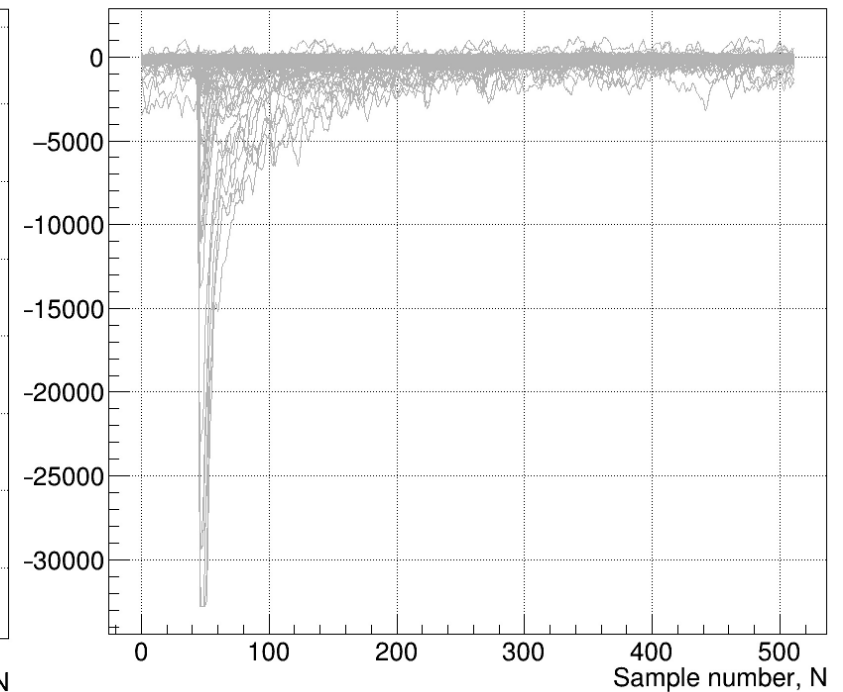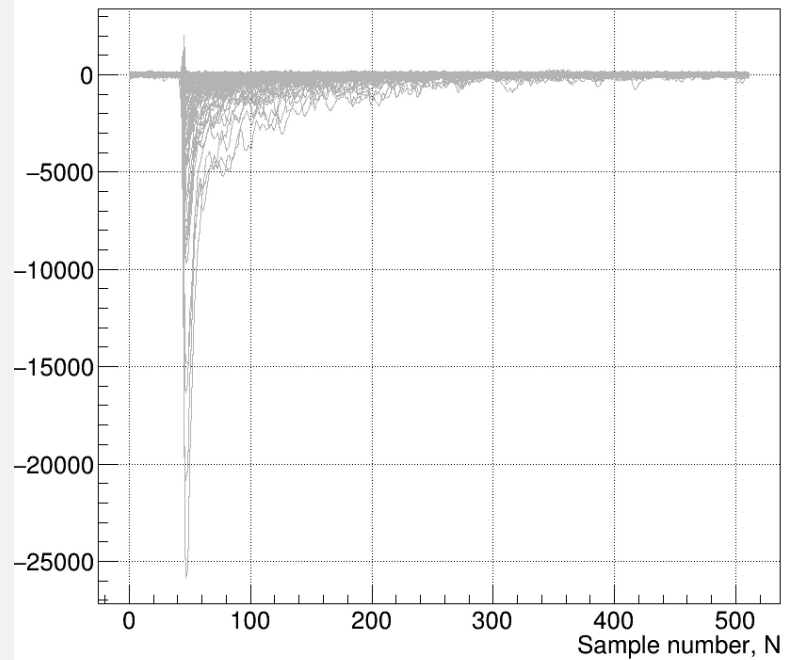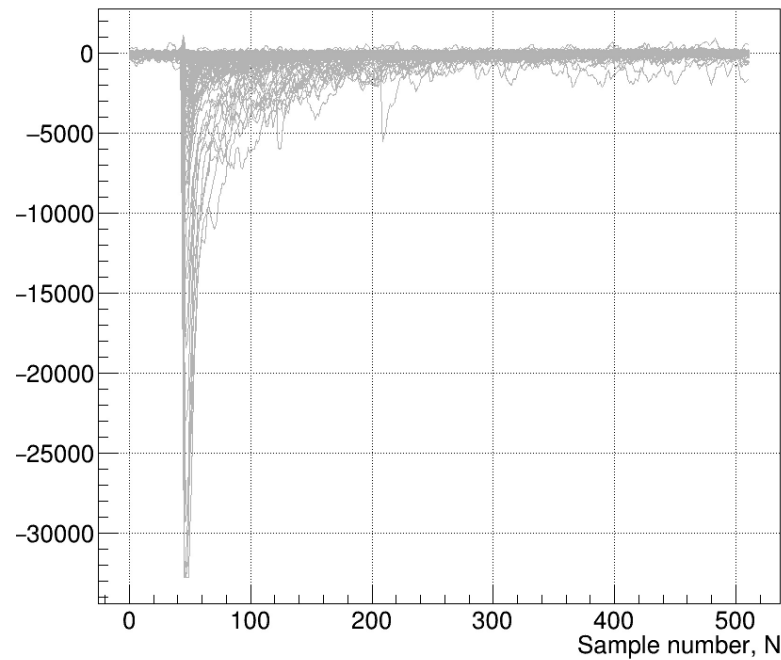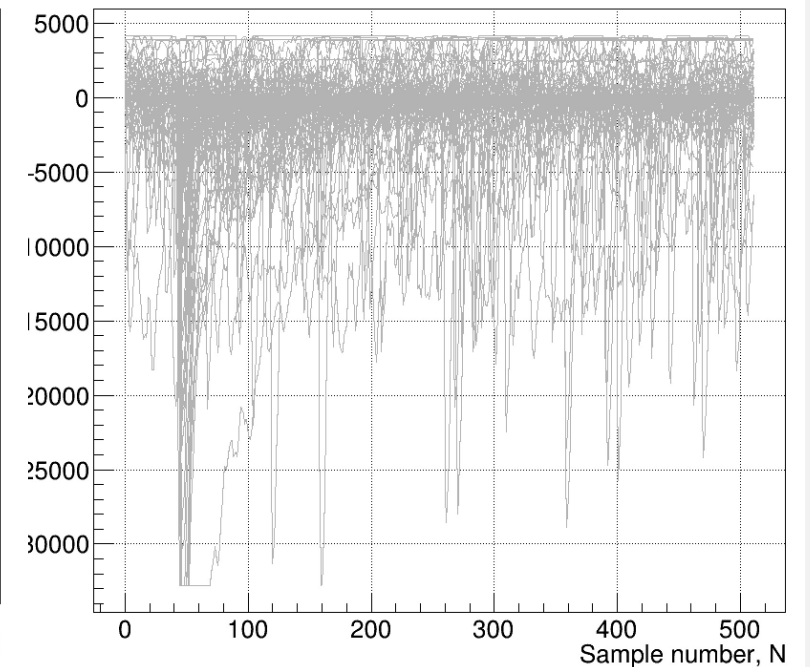# Run 1 – Nominal operation

- Sum / trigger channels without noise tiles triggering
- At nominal field (15kV)
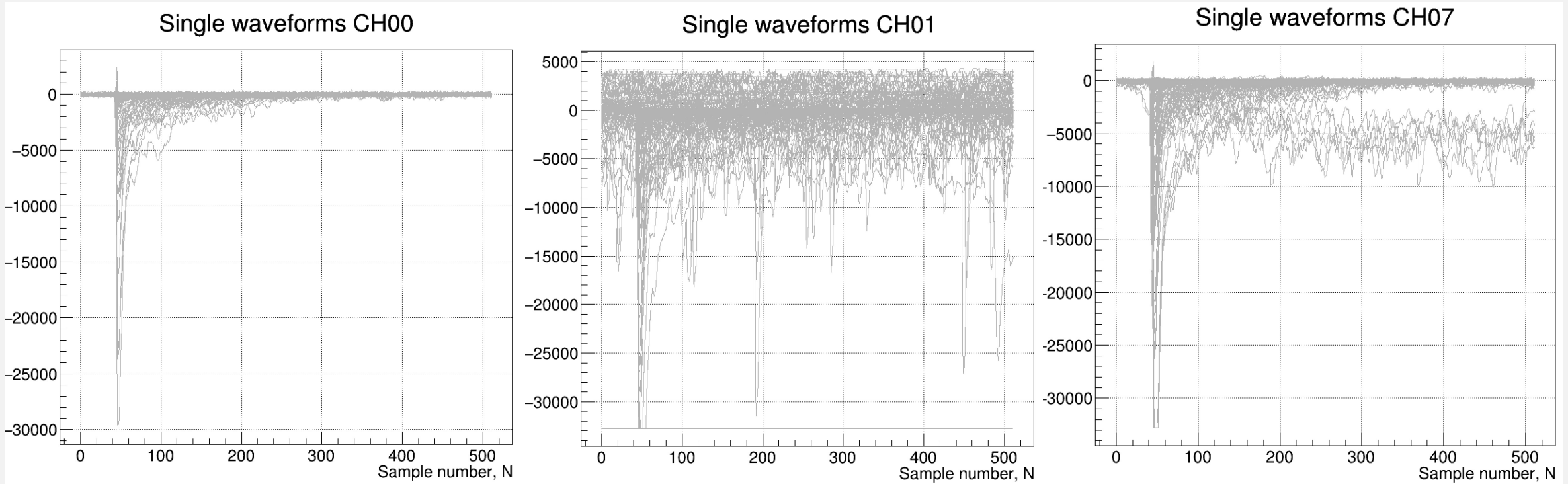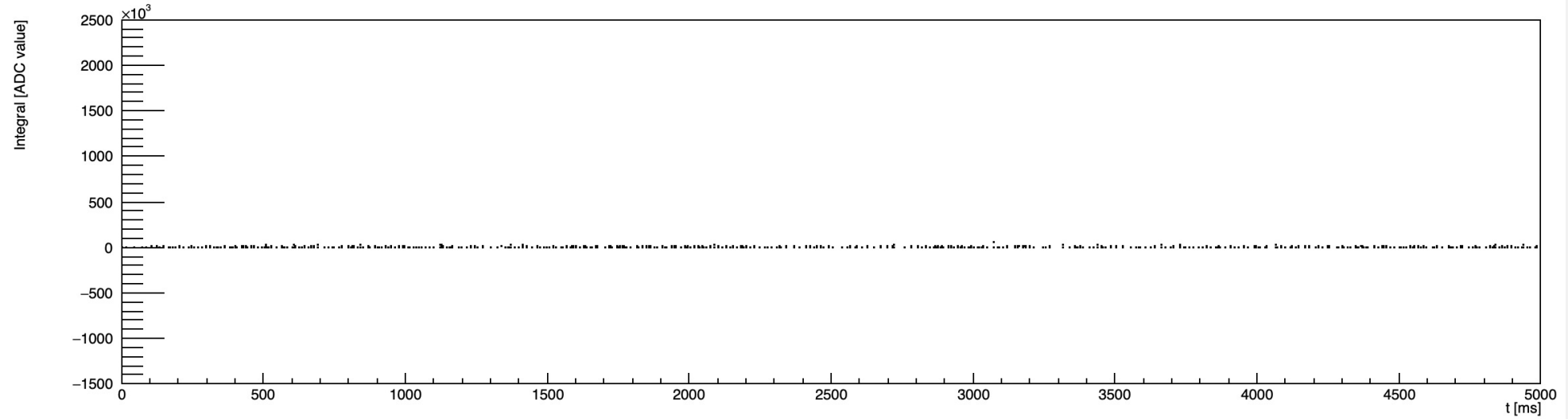
Run 2 – Nominal operation

- Sum / trigger channels without noise tiles triggering
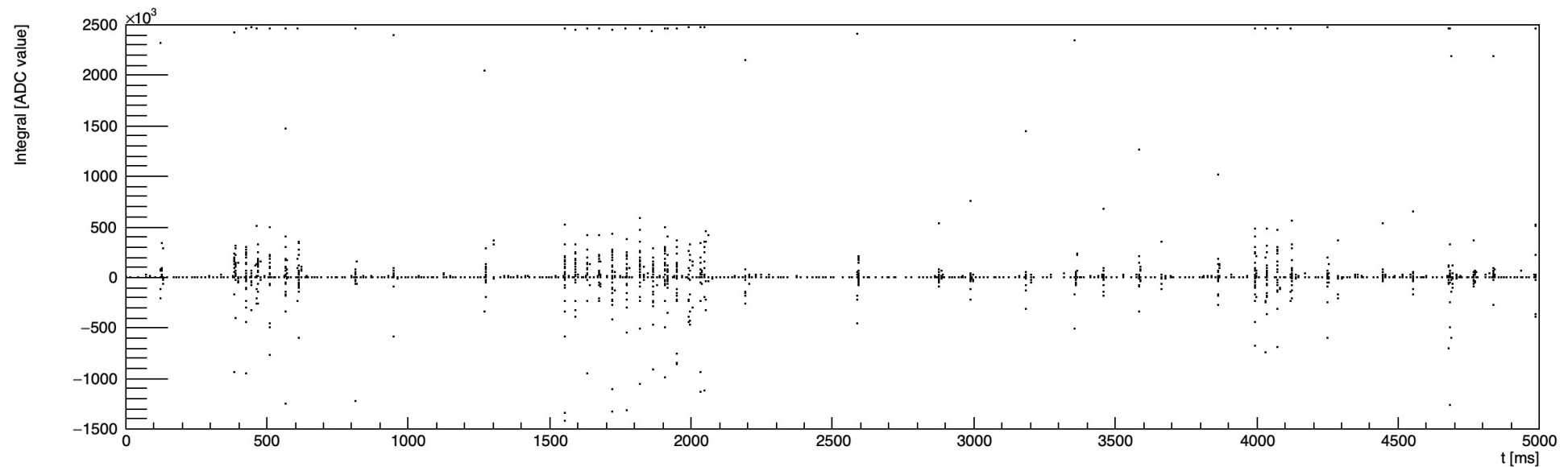
- At nominal field (15kV)

Off signal integral

- Frequency of discharge events varying in O(s)

- Typical duration 2-4 ms