

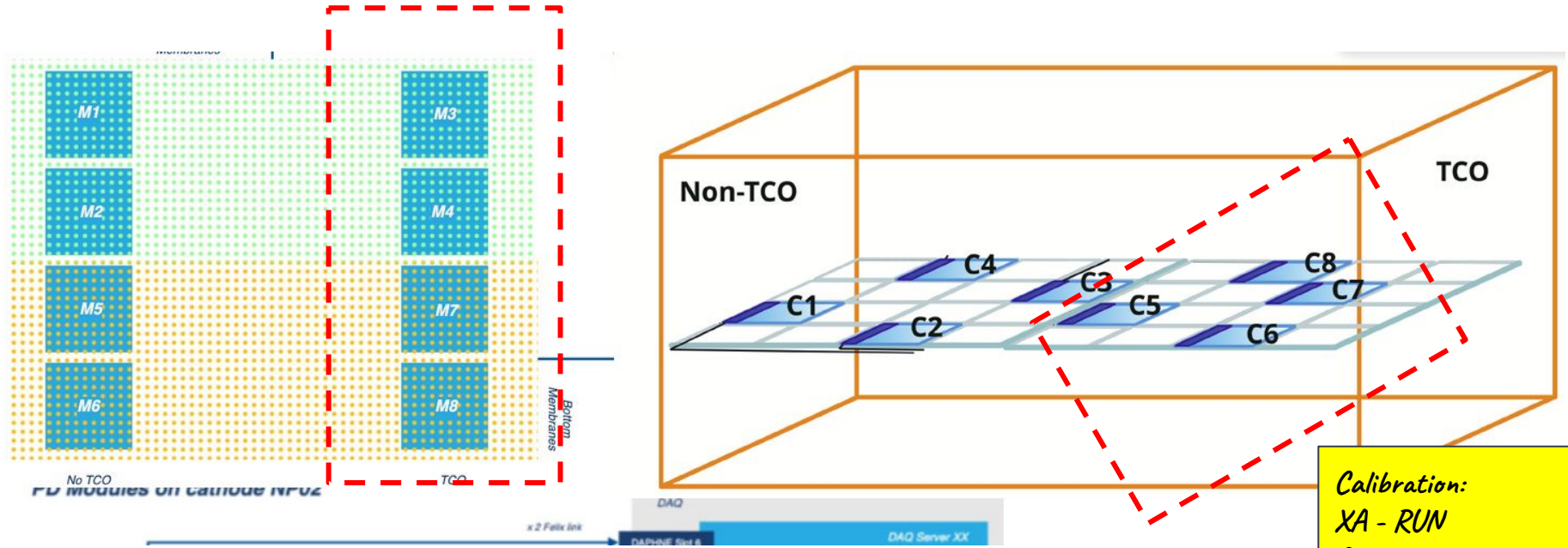
Updates

27 de novembro de 2025

Gabriel Botogoske
SAG

A dark blue diagonal gradient bar that starts from the bottom left corner and extends towards the top right corner, covering the lower half of the slide.

→ Calculated all SPE forms for half of the ARAPUCAS (TCO side)



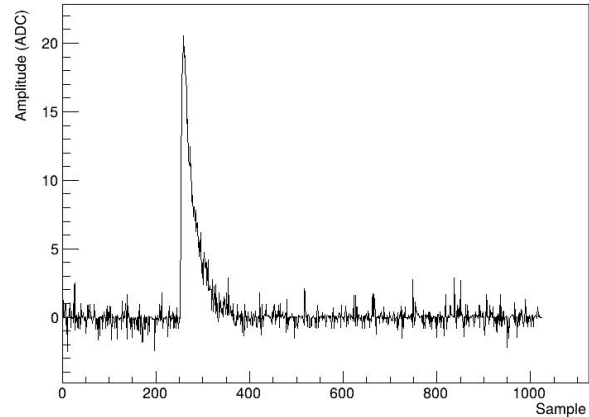
8 X-Arapucas with 2 channels each (16 SPE templates)

Calibration:

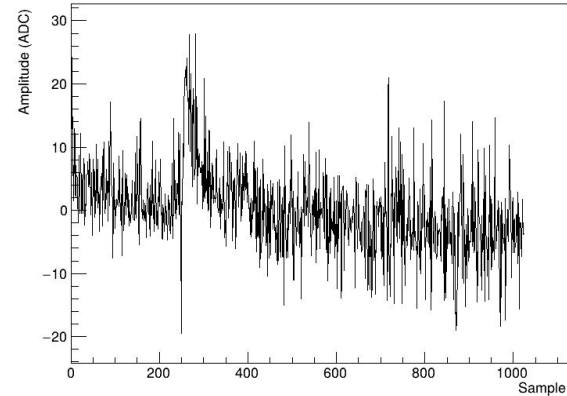
XA - RUN	
C5	39357
C6	39358,39359
C7	39360
C8	39361
M3	39360
M4	39360
M7	39365
M8	39366

→ Exemples: Cathode

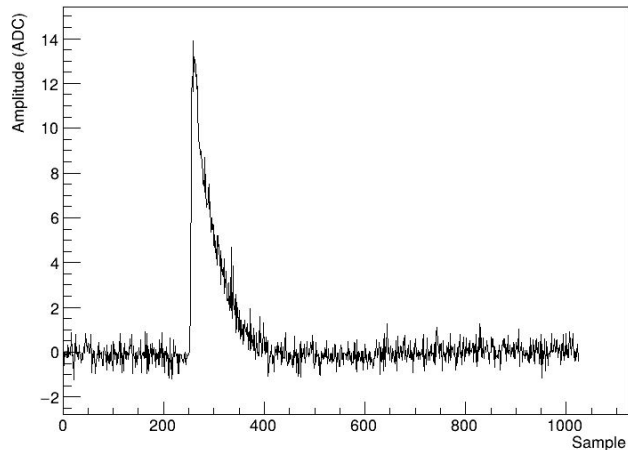
Waveform (Moda + mÃ©dia local) - Channel 1050



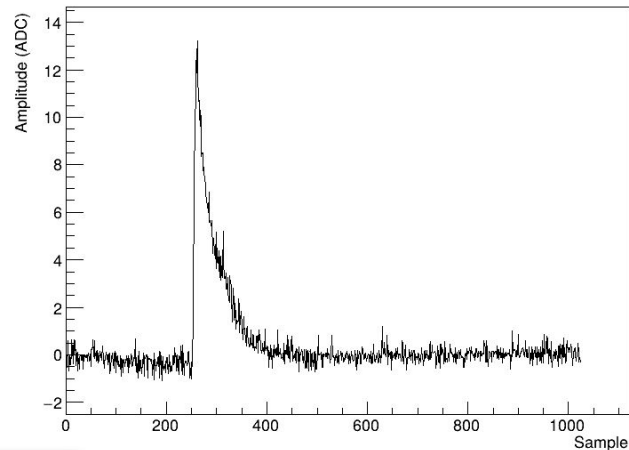
Waveform (Moda + mÃ©dia local) - Channel 1051



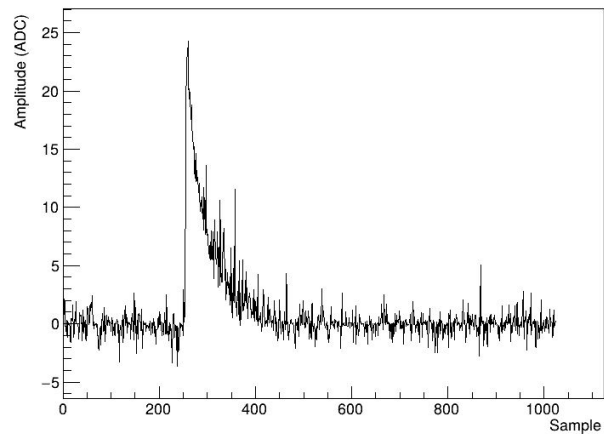
Waveform (Moda + mÃ©dia local) - Channel 1060



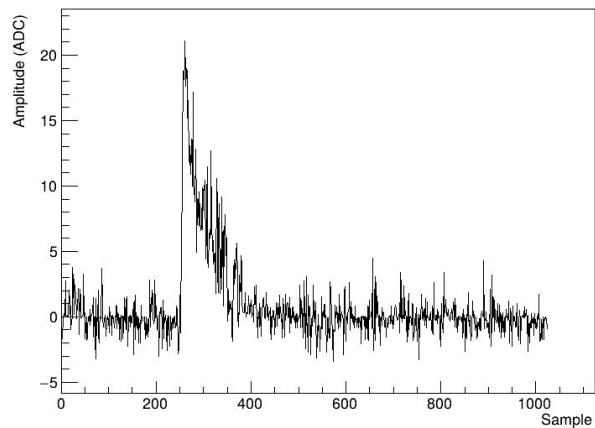
Waveform (Moda + mÃ©dia local) - Channel 1061



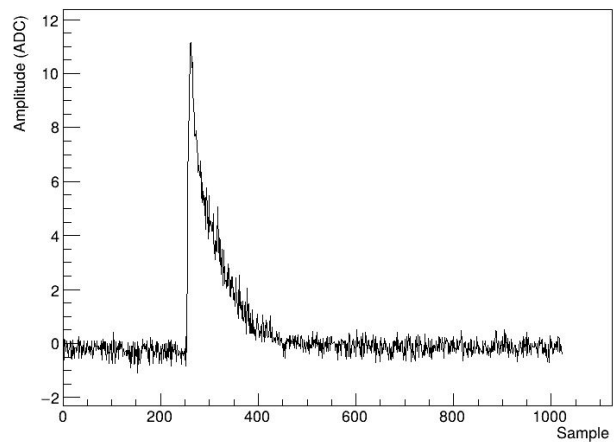
Waveform (Moda + mÃ©dia local) - Channel 1070



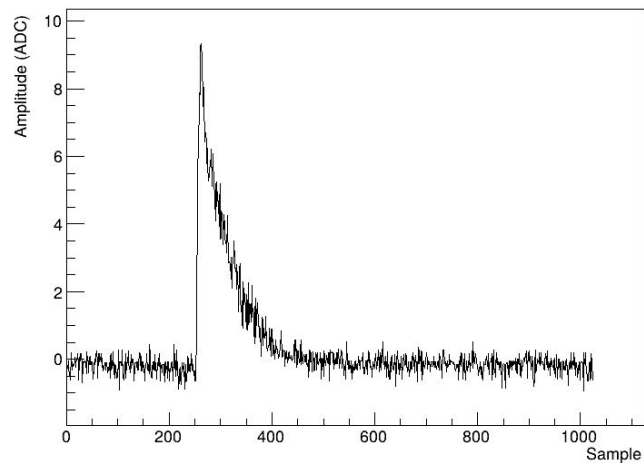
Waveform (Moda + mÃ©dia local) - Channel 1071



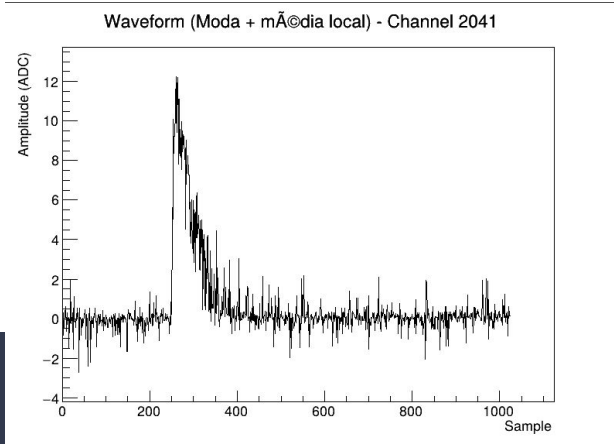
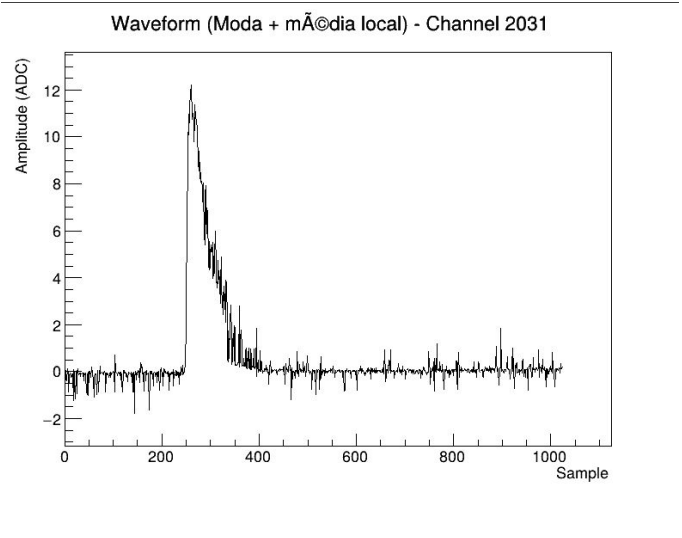
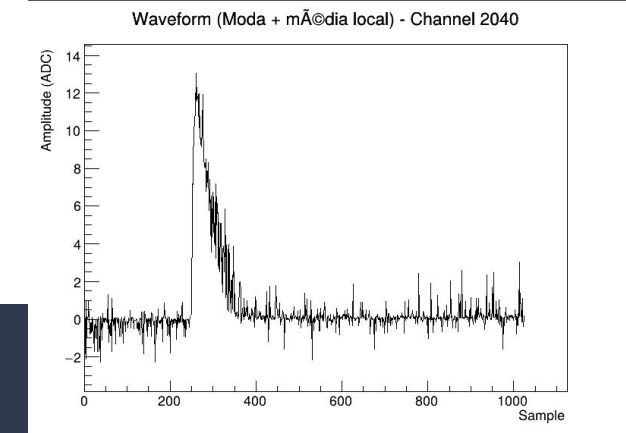
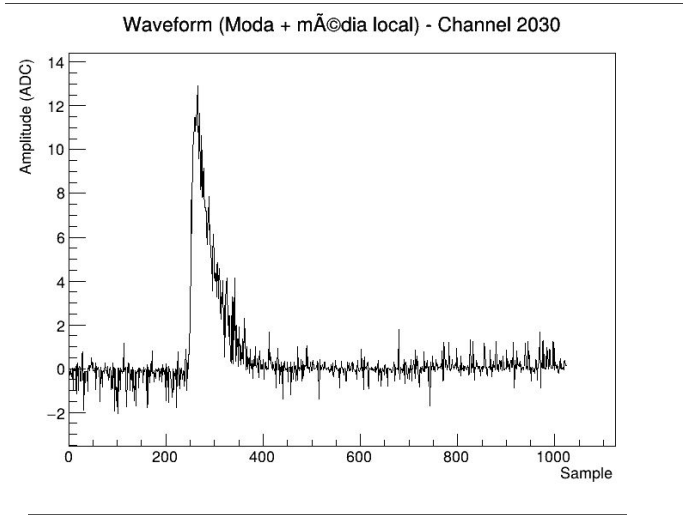
Waveform (Moda + mÃ©dia local) - Channel 1080



Waveform (Moda + mÃ©dia local) - Channel 1081

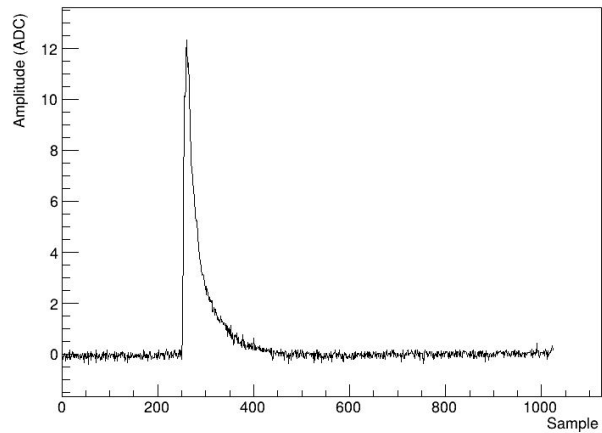


→ Exemples: Membrane

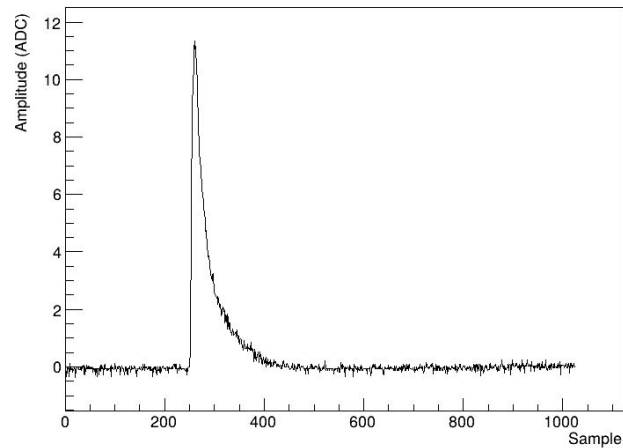


→ **Exemples: Membrane**

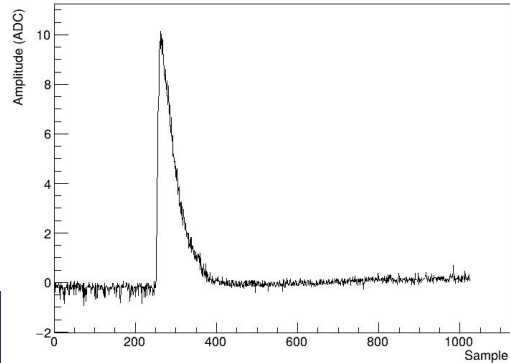
Waveform (Moda + mÃ©dia local) - Channel 2070



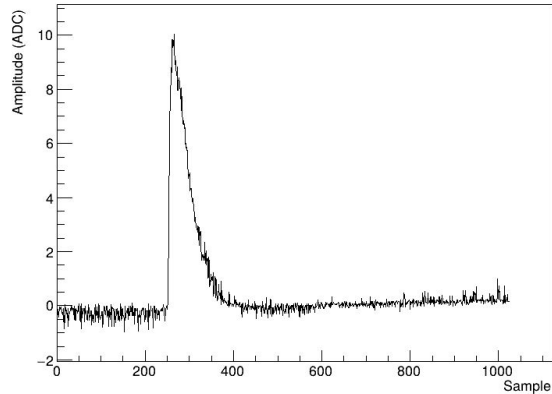
Waveform (Moda + mÃ©dia local) - Channel 2071



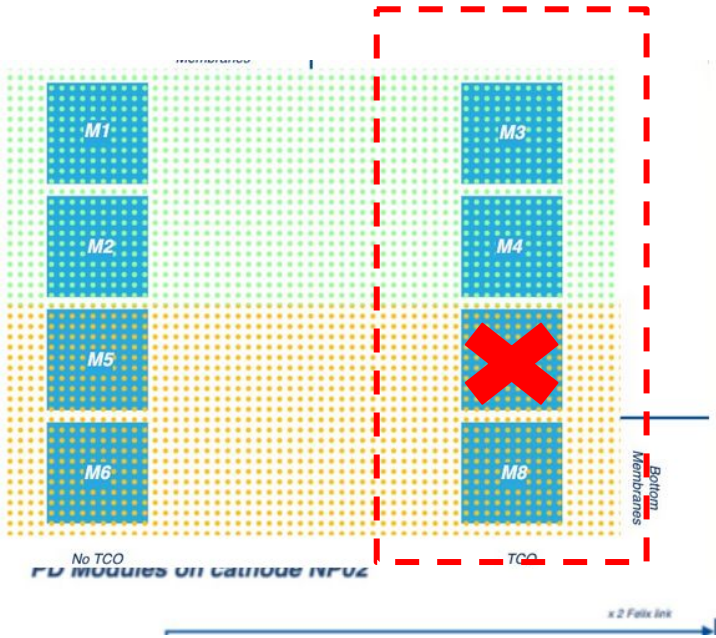
Waveform (Moda + mÃ©dia local) - Channel 2080



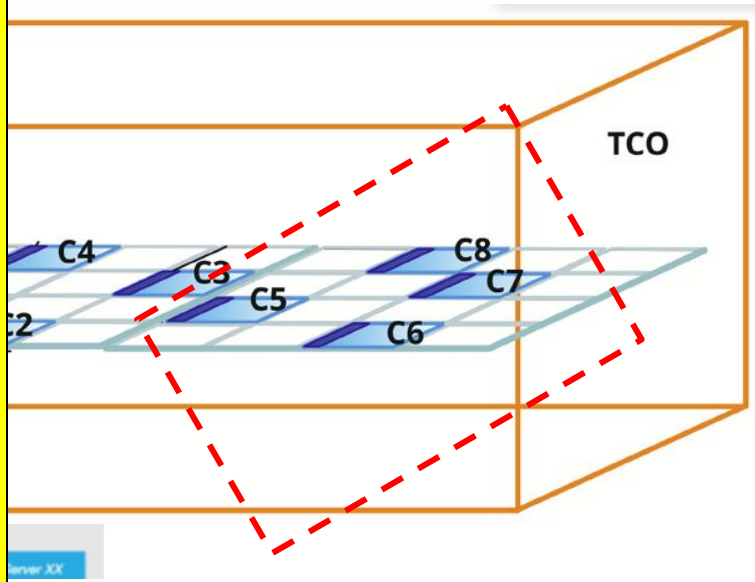
Waveform (Moda + mÃ©dia local) - Channel 2081



→ Calculated flashes for ELECTRIC FIELD (17 points from 0 to ~0.45 kV/cm)

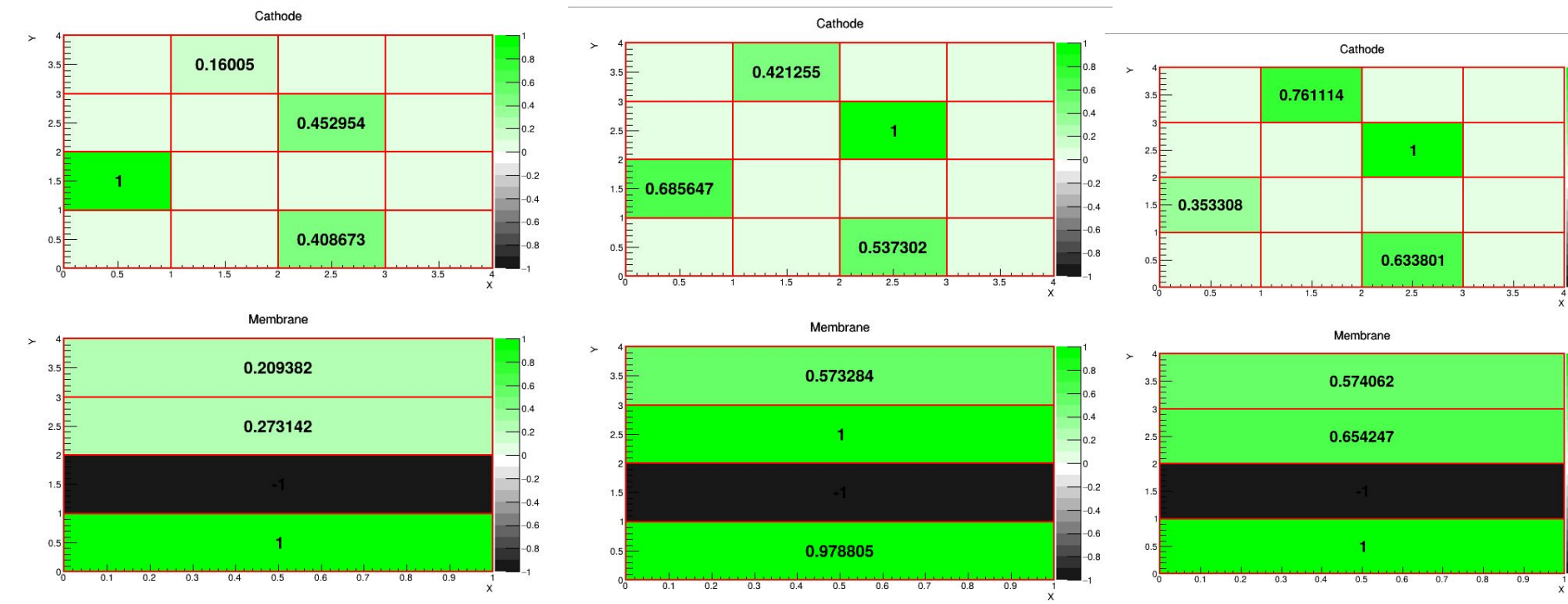


- 39510 -- 0 kV
- 39511 -- 10 kV
- 39512 -- 20 kV
- 39514 -- 30 kV
- 39515 -- 40 kV
- 39516 -- 50 kV
- 39517 -- 60 kV
- 39518 -- 70 kV
- 39519 -- 80 kV
- 39521 -- 90 kV
- 39522 -- 100 kV
- 39523 -- 110 kV
- 39525 -- 120 kV
- 39526 -- 130 kV
- 39527 -- 140 kV
- 39528 -- 150 kV
- 39529 -- 155.7 kV



"FLASH DISPLAY"

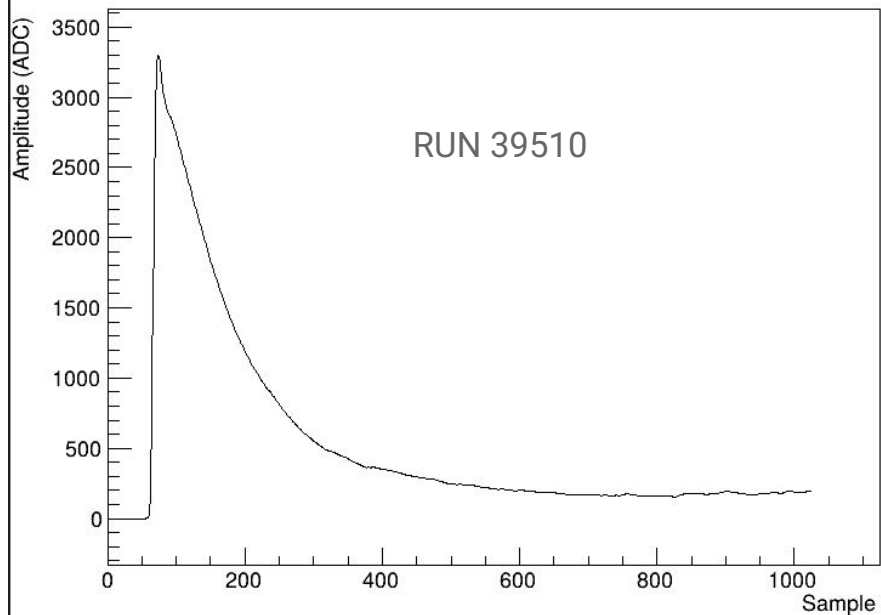
$\text{Charge_XA} = \text{Charge_1}/\text{Charge_SPE1} + \text{Charge_2}/\text{Charge_SPE2}$



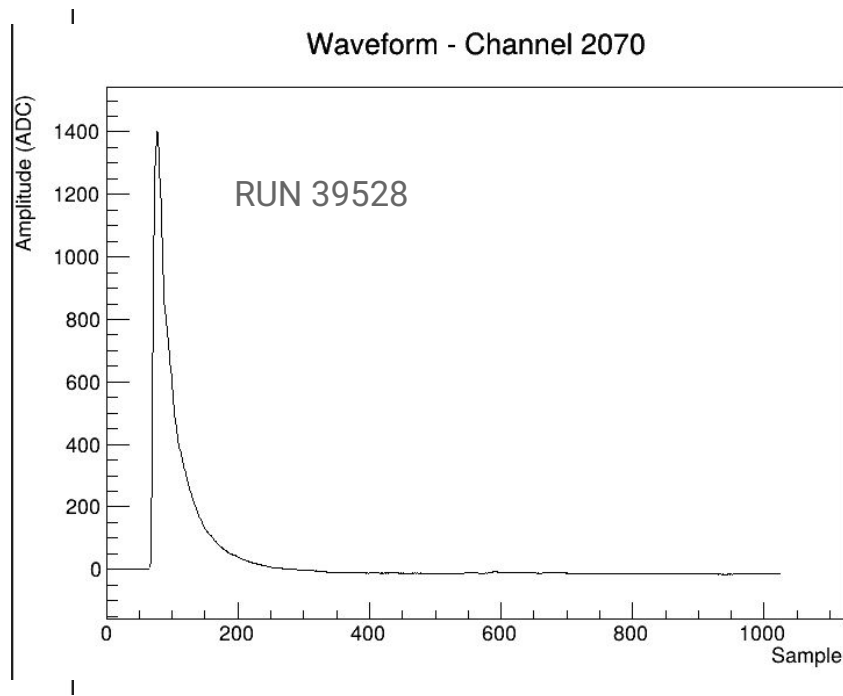
I am analysing all the files. There are ~ 10GB per Voltage → Total 170GB

For each voltage and channel → avg
waveform

Waveform - Channel 1050

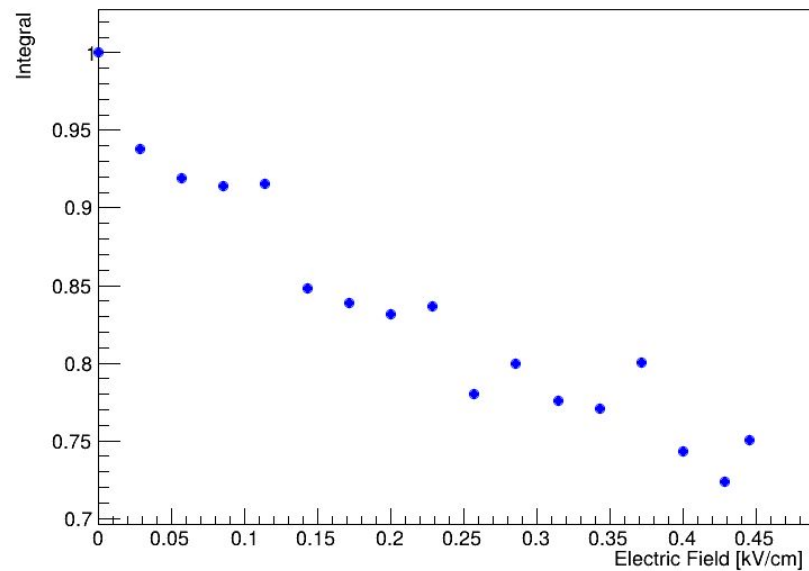


Waveform - Channel 2070

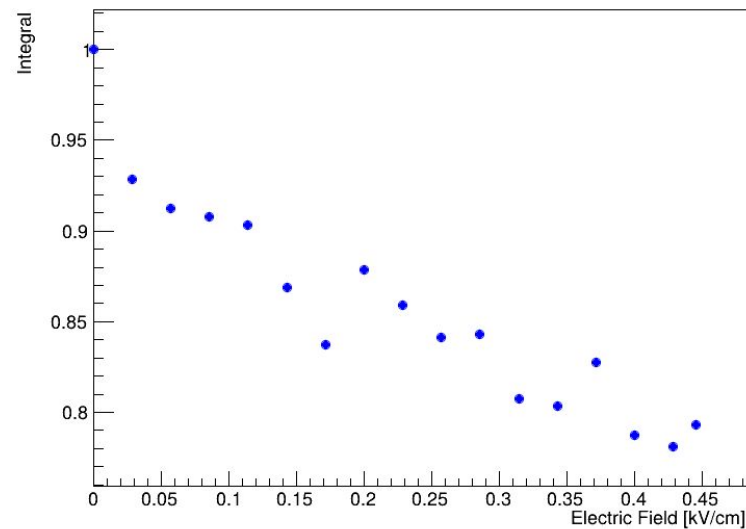


LIGHT YIELD - PRELIMINARY - CATHODE

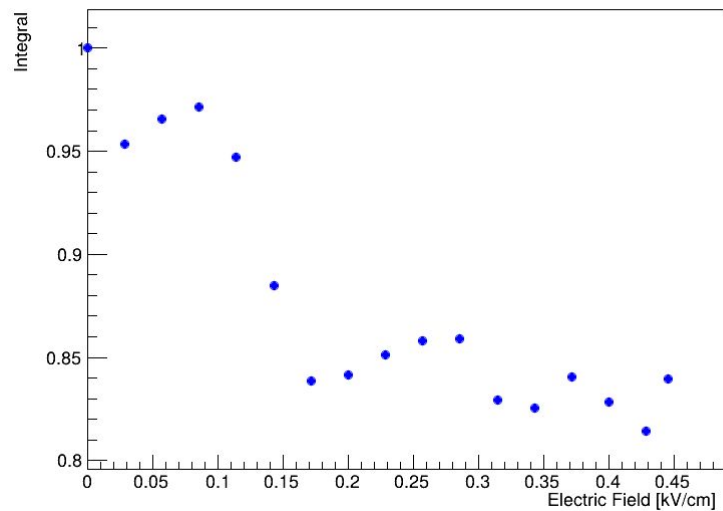
LY X EF 1050



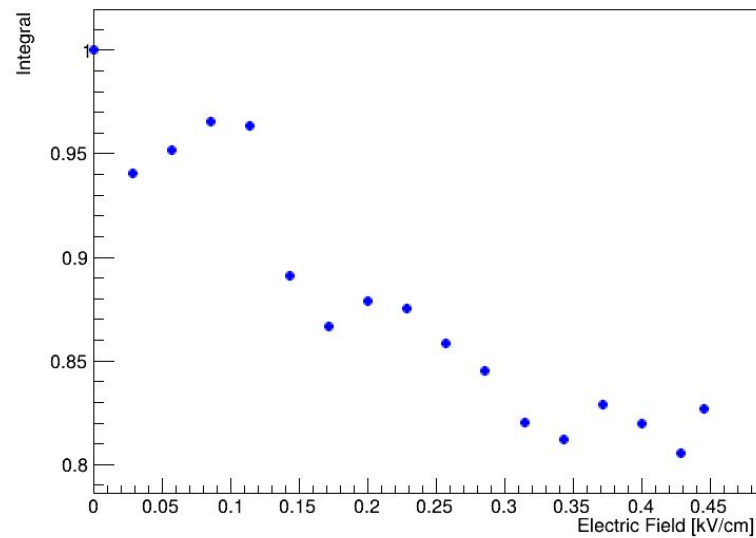
LY X EF 1051



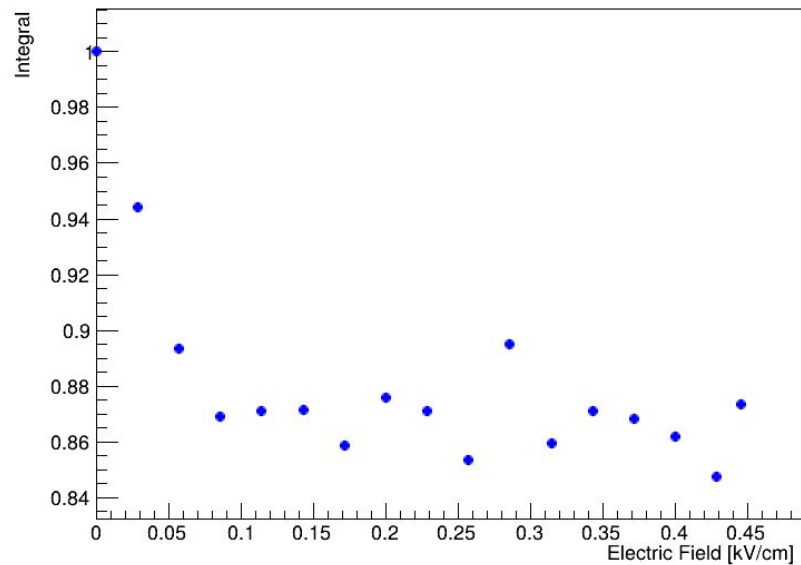
LY X EF 1060



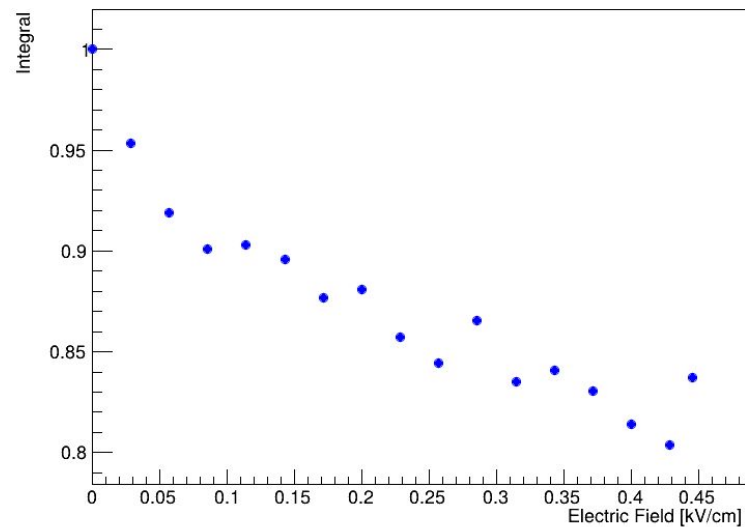
LY X EF 1061



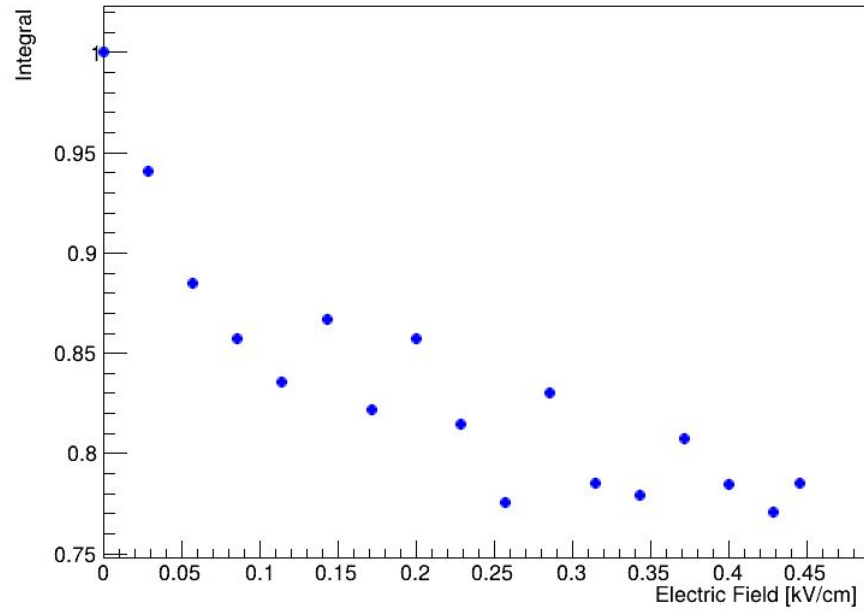
LY X EF 1070



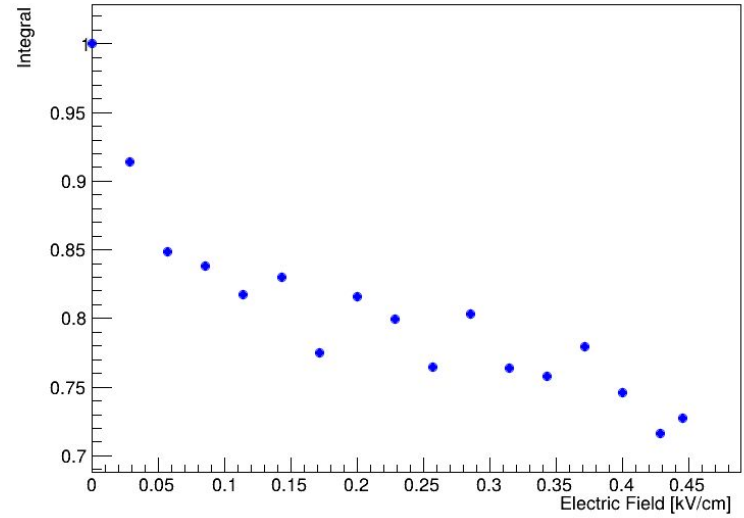
LY X EF 1071



LY X EF 1080

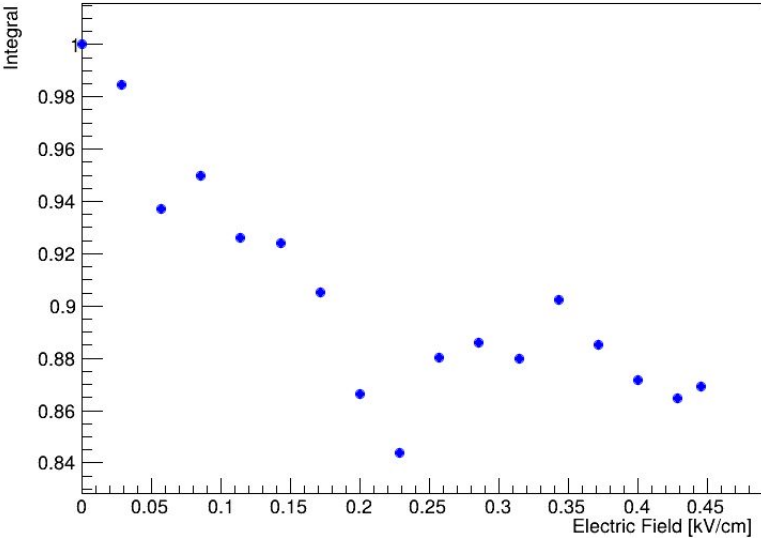


LY X EF 1081

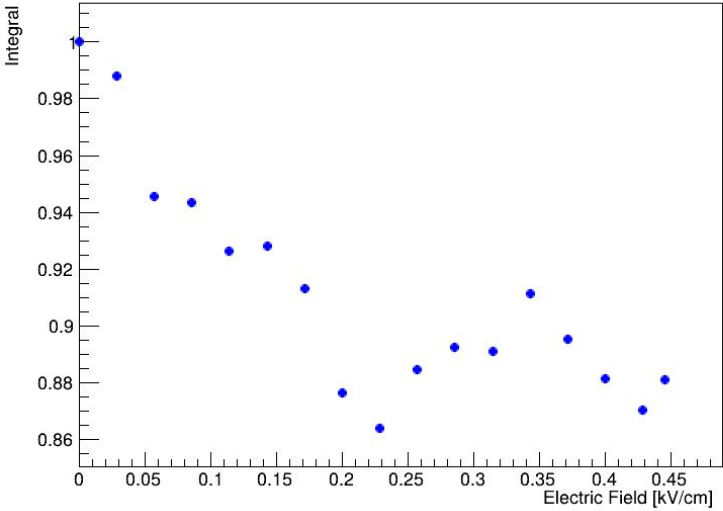


LIGHT YIELD - PRELIMINARY - MEMBRANE

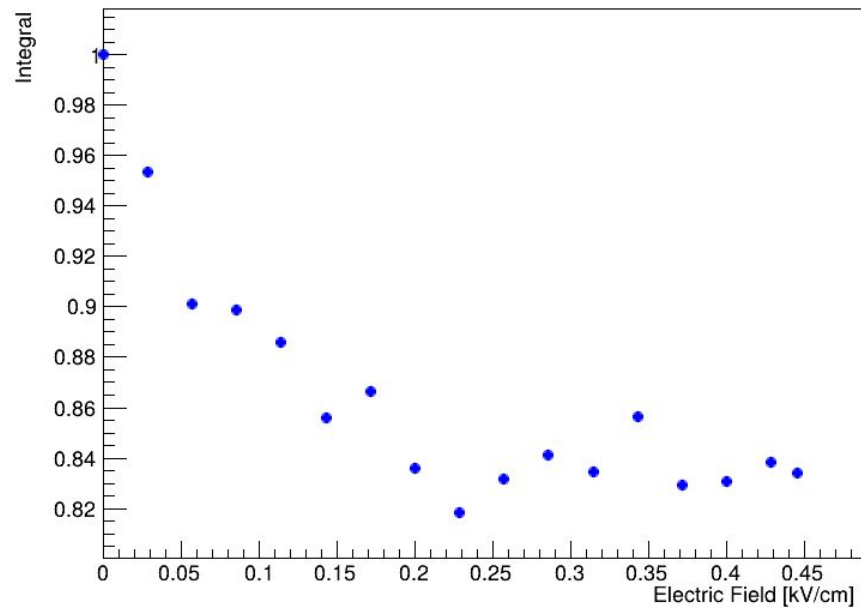
LY X EF 2030



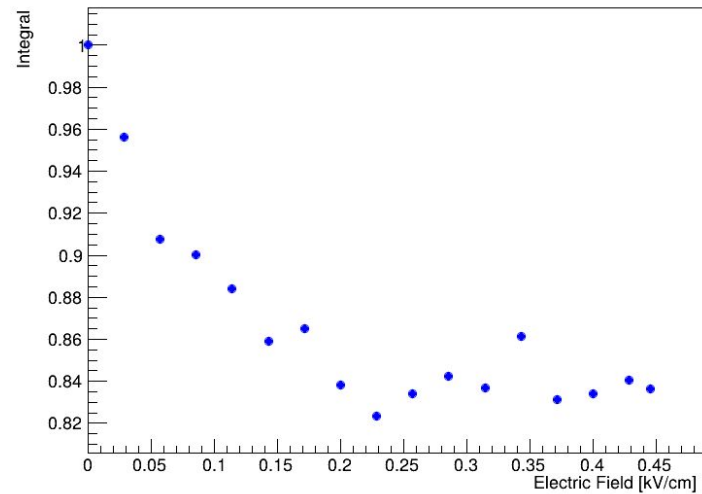
LY X EF 2031



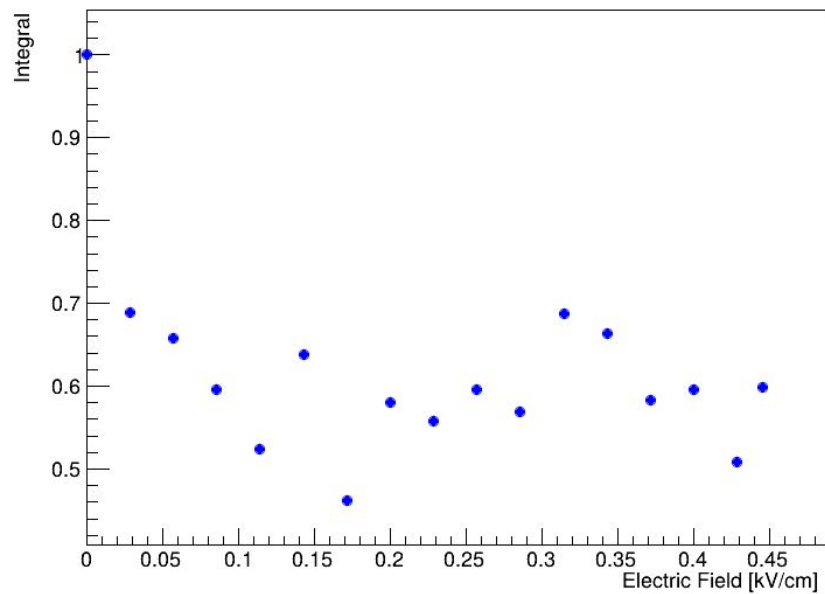
LY X EF 2040



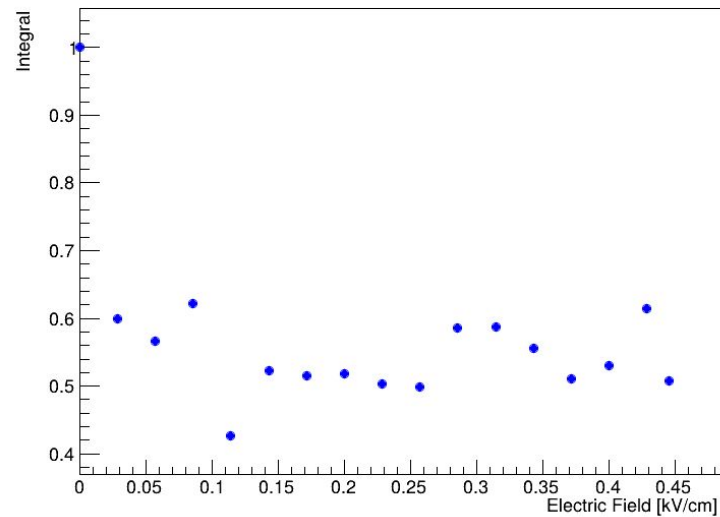
LY X EF 2041



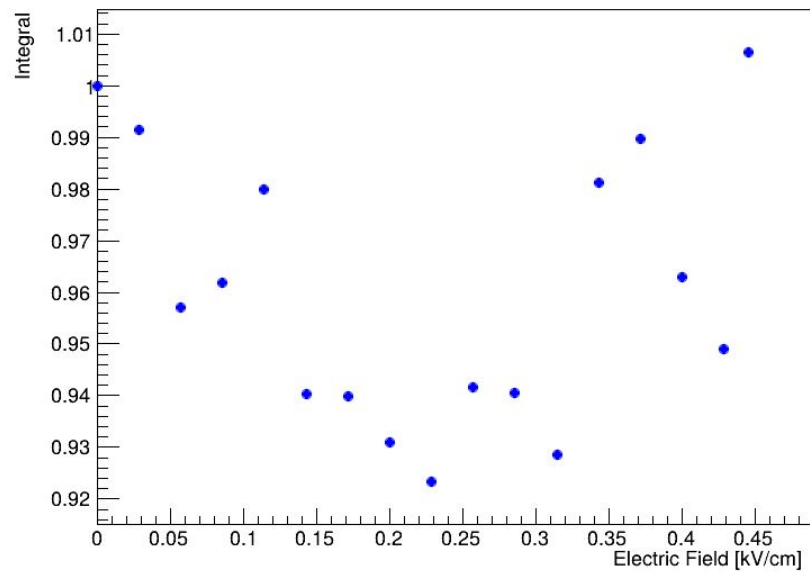
LY X EF 2070



LY X EF 2071



LY X EF 2080



LY X EF 2081

