



**ALICE**

Cosmic Weekly Meeting  
Rafael Espinosa Castañeda  
Dr. Mario Rodríguez Cahuantzi  
Dr. Arturo Fernández Téllez  
June 11 2016

# Outline

- **First week at CERN**

  - Register in CERN and obtain permissions for access

  - Helping to Abraham

    - 1)AD intervention

    - 2)Macro for ACORDE beam test information

    - 3) Tried to eliminate noise to PMT's in clean room

- Daniel Tapia work

  - 1) Understanding the model and the MonteCarlo code

- Registration
- Asking permission for access
- Dosimeter



# AD Intervention

- Data taking to know how every canal affects the others

	PMTs side ADC		
Run Number	Offset (Volts)	HV	Canal Number
225700	1.05	1500	0_0
255704	1.08	1.08	0_0
255711	1.3	1.3	0_0
255715	1.3	1.3	0_1
255707	1.3	1.3	0_0
255718	1.3	1459	0_2
255719	1.3	1411	0_3
255720	1.3	1452	1_0
255722	1.3	1350	1_1
255723	1.3	1283	1_2
255726	1.3	1472	1_3

# AD Intervention

- Data taking to know how every canal affects the others

Run Number	Offset (Volts)	Gain	Canal Number
255736	1.8	0.02	0_0
255738	1.8	0.02	0_1
255741	1.8	0.02	0_2
255742	1.8	0.02	0_3
255744	1.8	0.02	1_0
255745	1.8	0.02	1_1
255746	1.8	0.02	1_2
255747	1.8	0.02	1_3

PASA-CROSSTALK TEST	CIU CHANEL	CIU CHANEL	CIU CHANEL
Run Number	Chanel ADA	Chanel ADC	Pulse Amplitude (V)
255751	0	0	1
255752	0	0	2
255753	0	0	3
255754	0	1	4
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255788	PE	DES	TAL
255791	0	0	4
255793	1	1	4
255794	2	2	4
255796	3	3	4
255800	4	4	4
255803	5	5	4
255804	6	6	4
255805	7	7	4

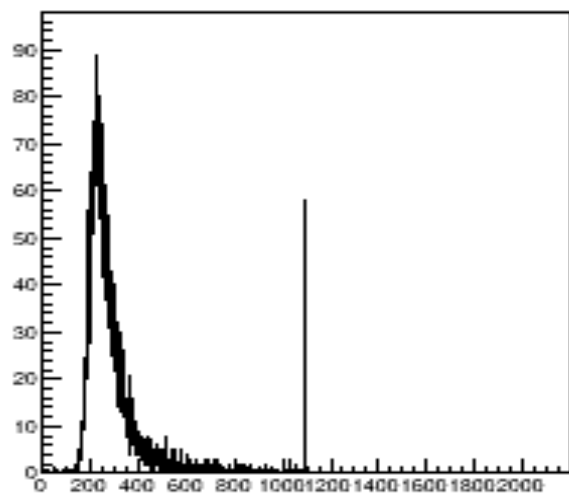
# Macro for ACORDE beam test information

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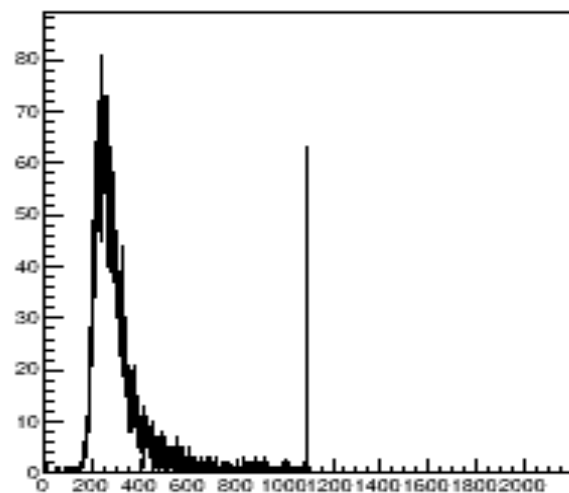
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ADT

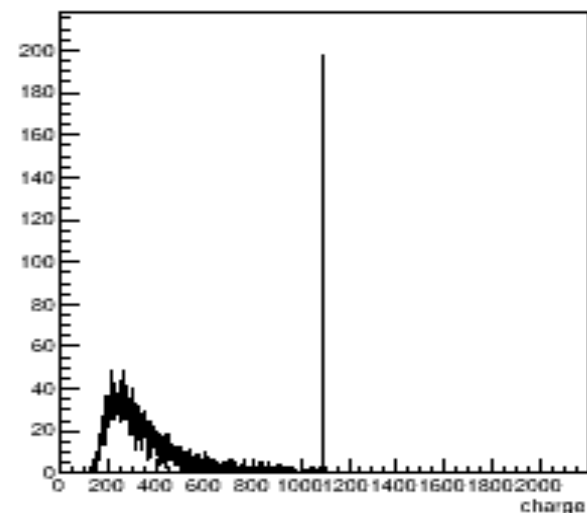
Count Number vs charge Module 1



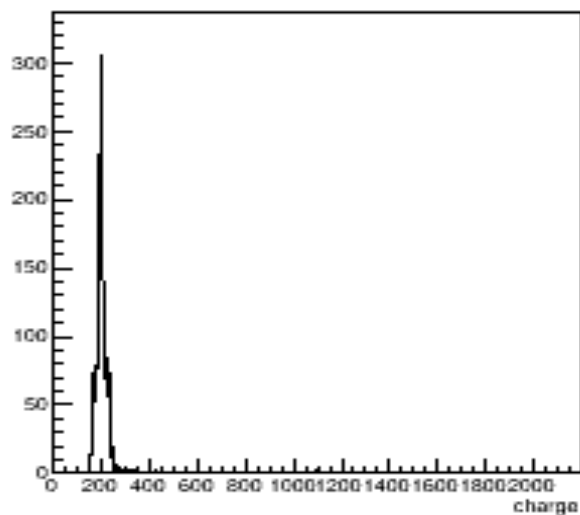
Count Number vs charge Module 2



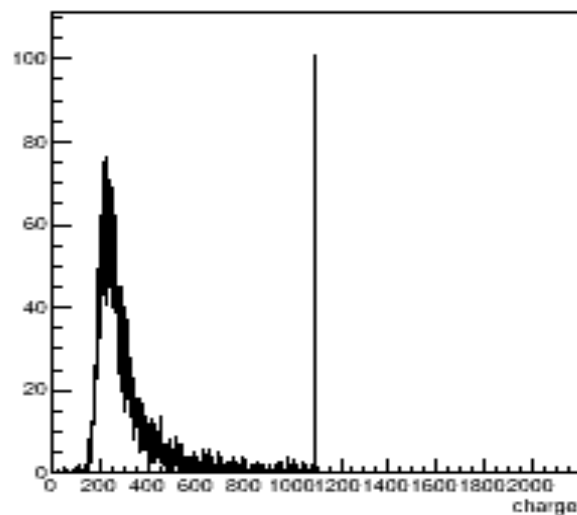
Count Number vs charge Module 3



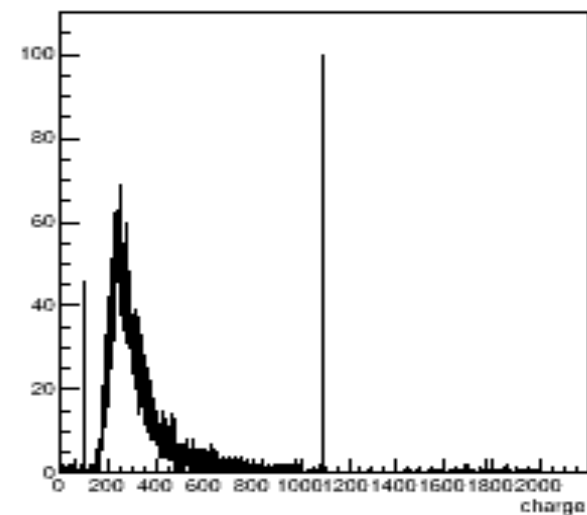
Count Number vs charge Module 4



Count Number vs charge Module 5



Count Number vs charge



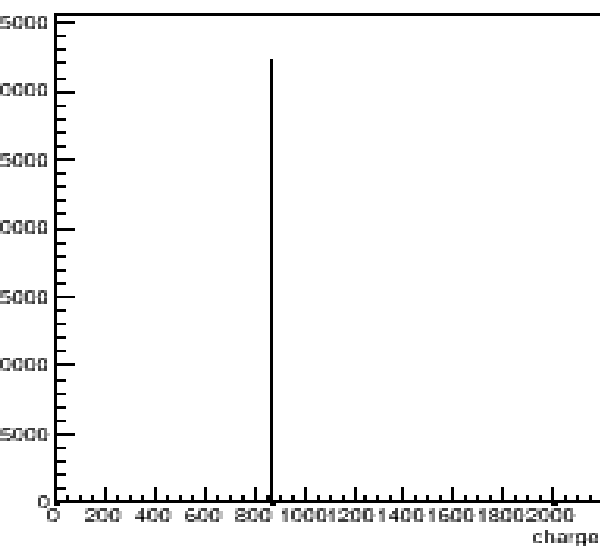
# Macro for ACORDE beam test information

x=830

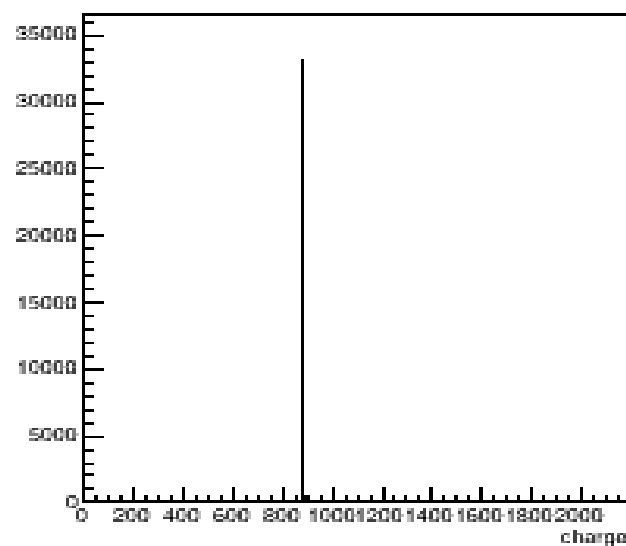
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TDC

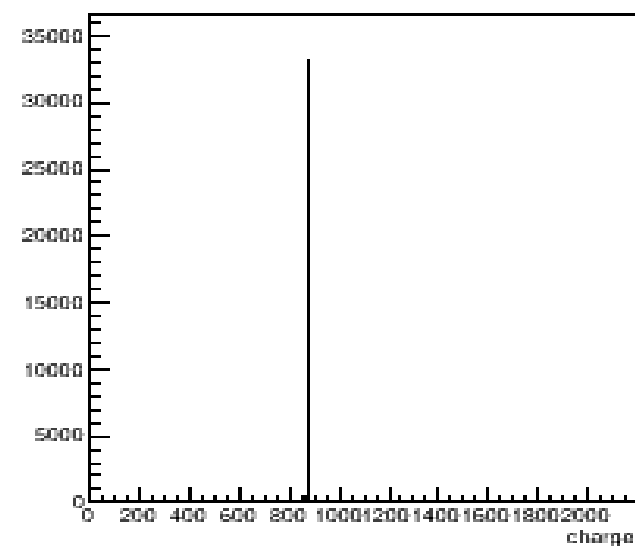
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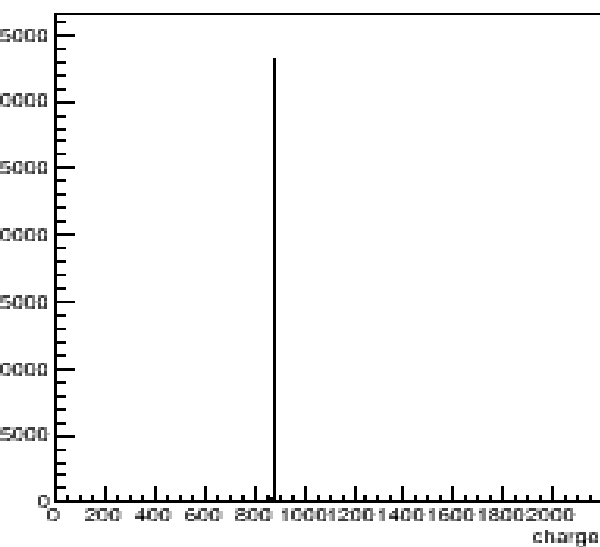
Count Number vs charge Module 2



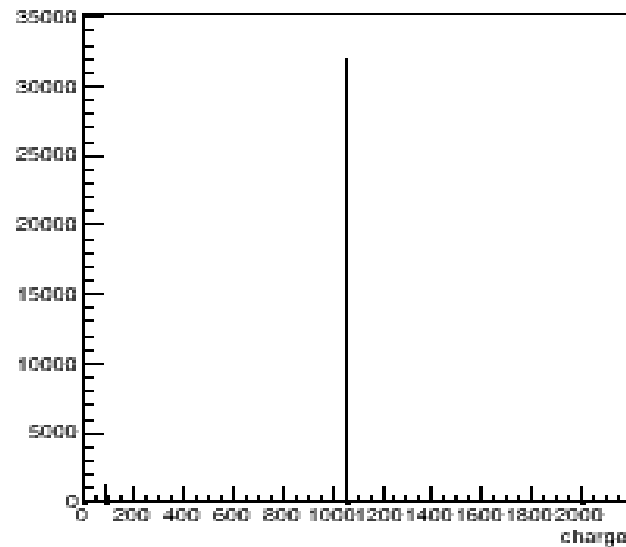
Count Number vs charge Module 3



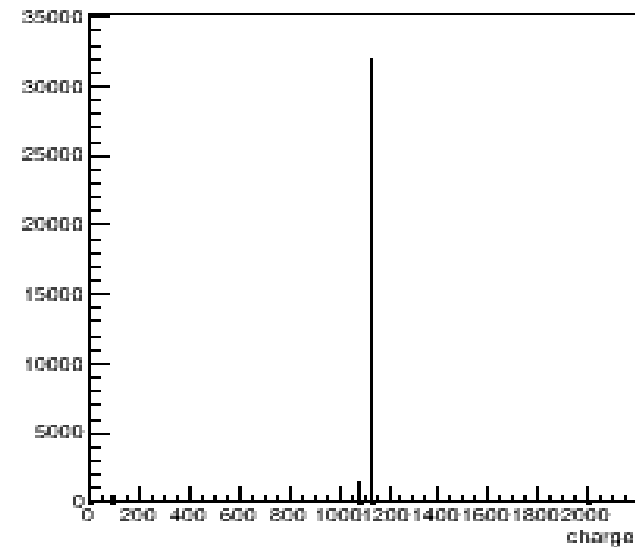
Count Number vs charge Module 4



Count Number vs charge Module 5



Count Number vs charge Module 6



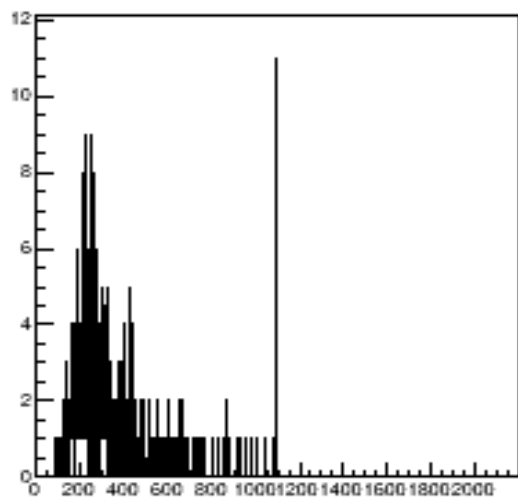
# Macro for ACORDE beam test information

x=830

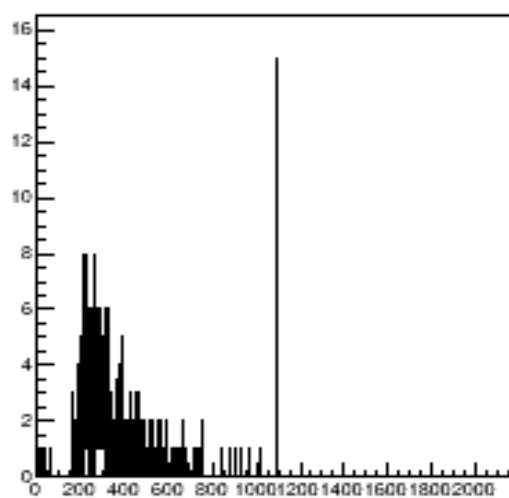
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ADT

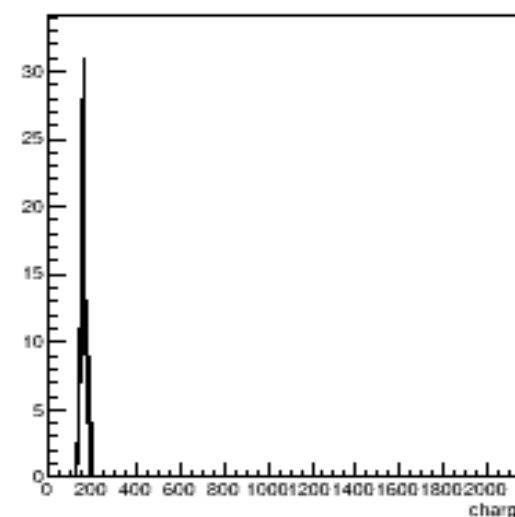
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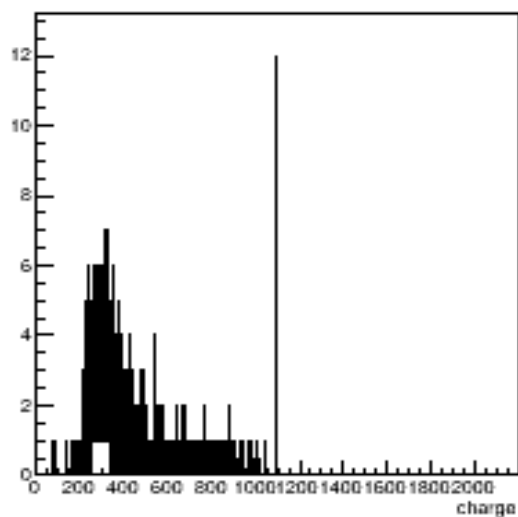
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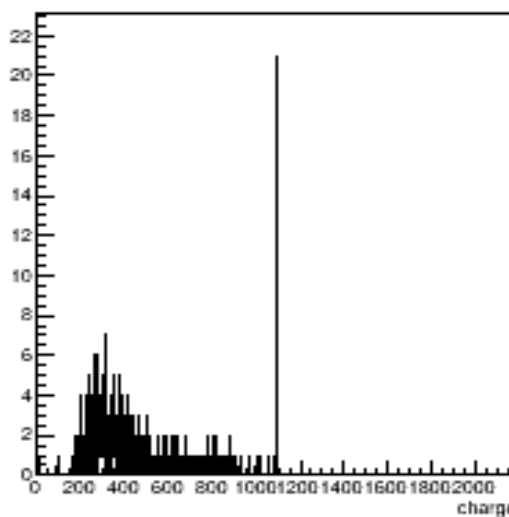
Count Number vs charge Module 3



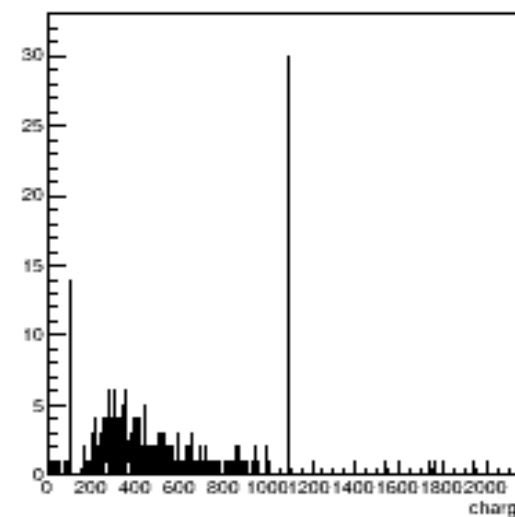
Count Number vs charge Module 4



Count Number vs charge Module 5



Count Number vs charge



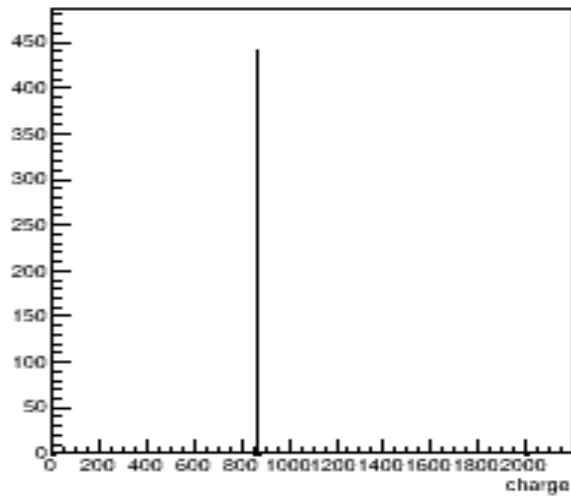
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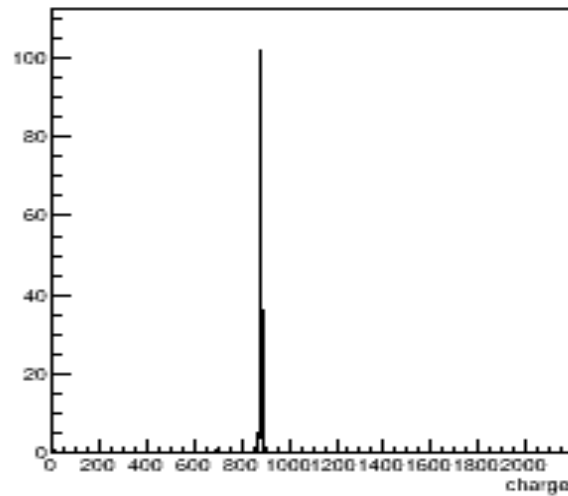
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TDC

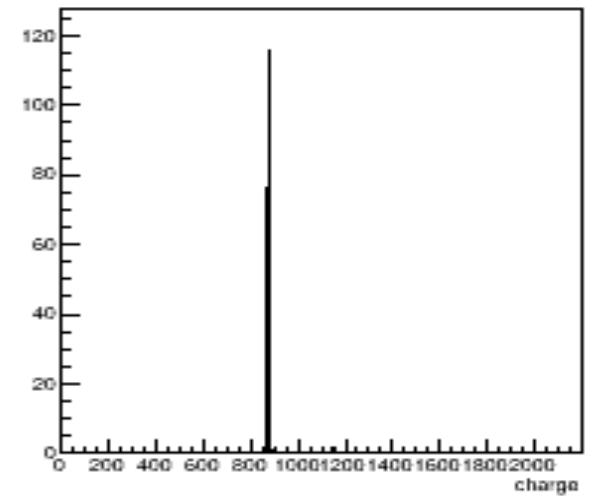
Count Number vs charge



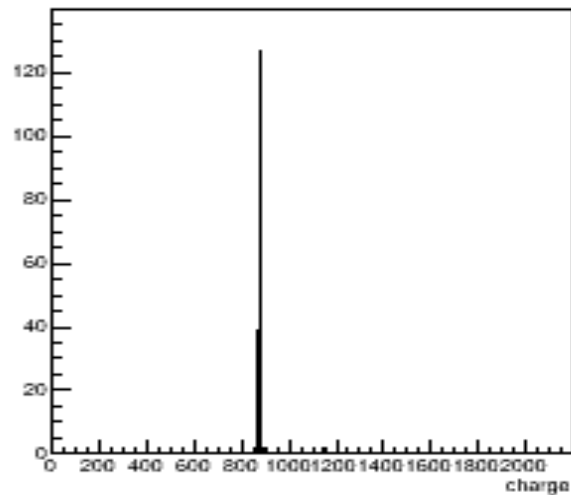
Count Number vs charge Module 2



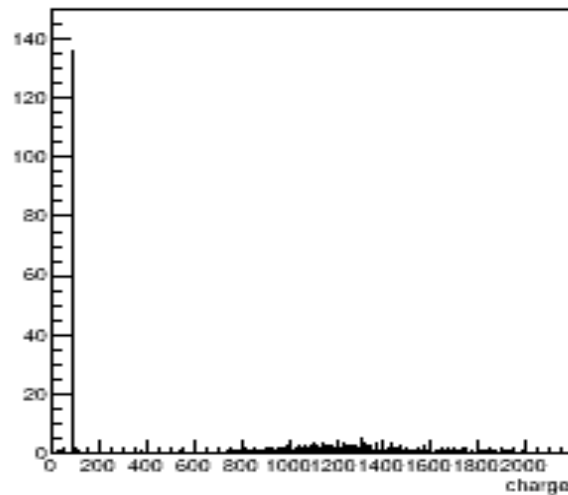
Count Number vs charge Module 3



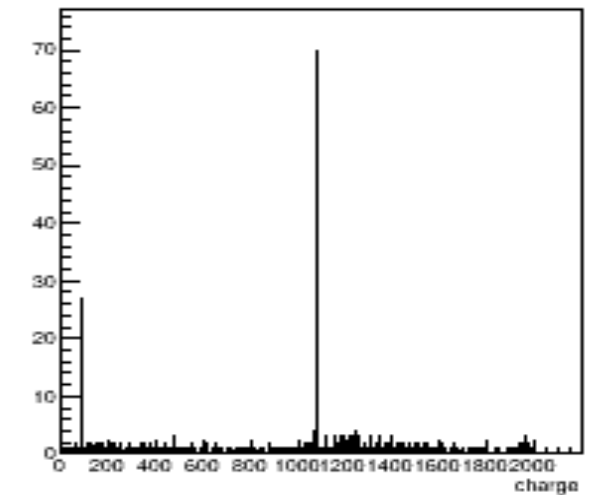
Count Number vs charge Module 4



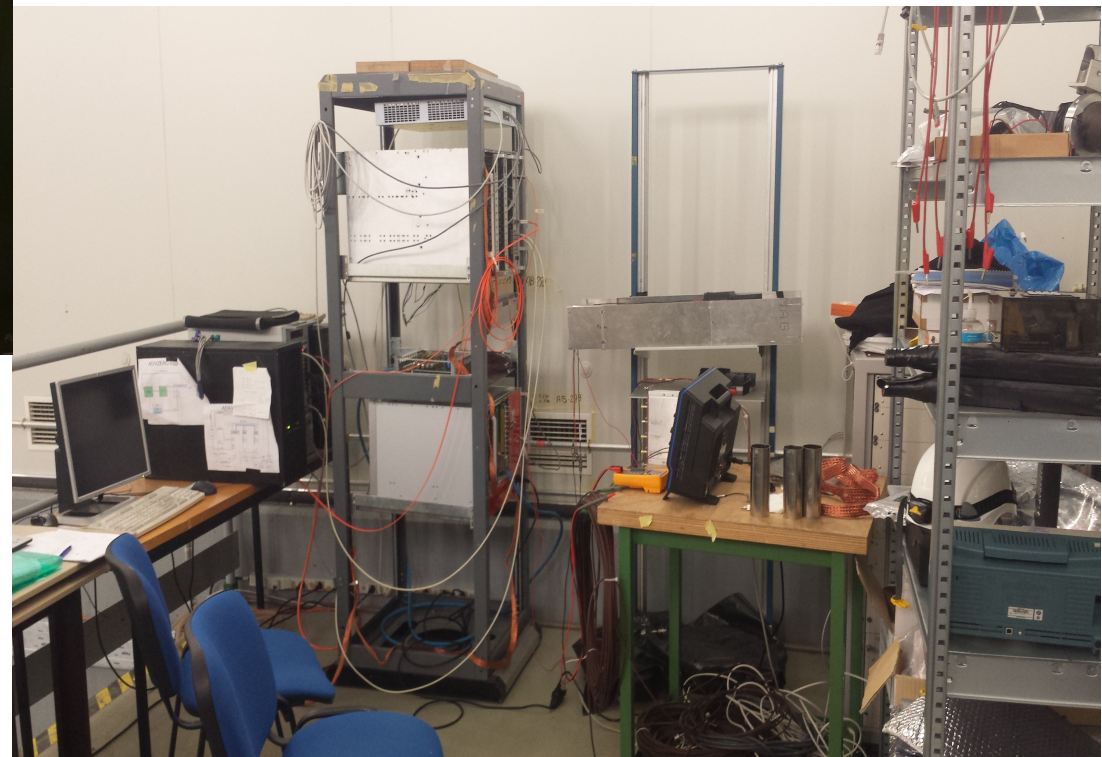
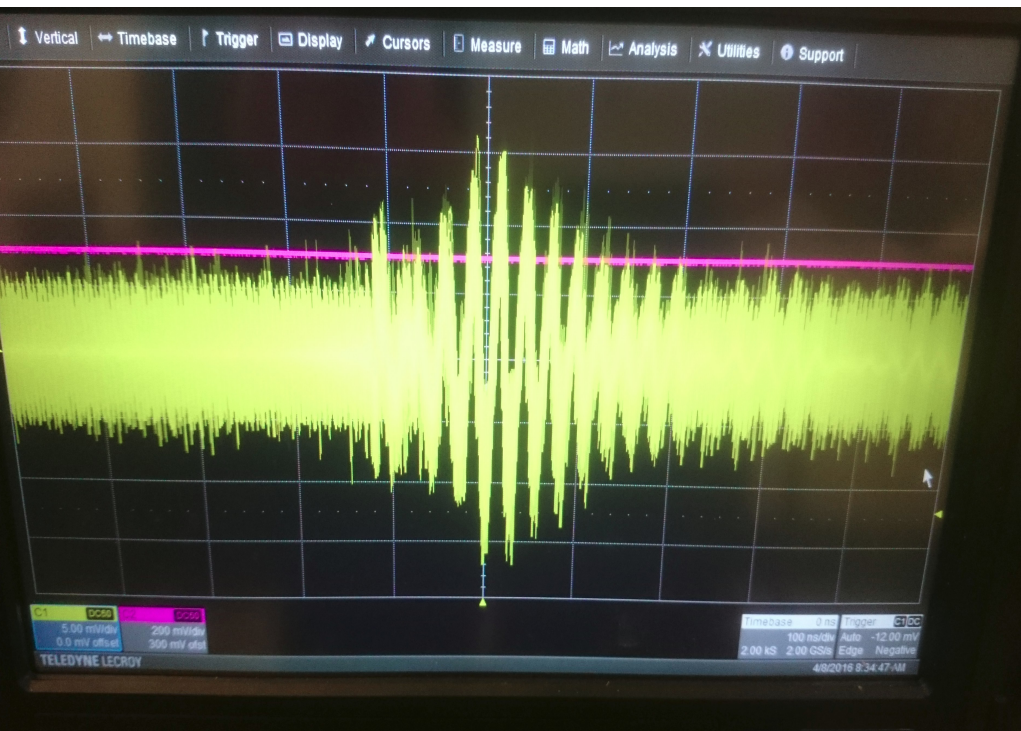
Count Number vs charge Module 5



Count Number vs charge Module 6



# Tried to eliminate noise in PMT's in clean room



# Daniel Tapia work

- Tasks for Daniel Tapia
- Install STARLIGHT
- Comprehend the physics
- Comprehend the code

