

MID DATE ATTACHMENT ENCODING Author Authors_Names Category Title TEXT
1
Tue, 16 Jul 2024 17:49:39 +0800
240716_174937_Canberra_HPGe_Manual.pdf,240716_175732_photo-HPGe.jpg
HTML
TestHPGe
WANG Kailong
Notes
HPGe detectors from HTU

Attachment 1: manual
Attachment 2: Photo



2
Wed, 17 Jul 2024 08:46:33 +0800
240723_093250__20240723_090349.jpg
HTML
TestHPGe
WANG Kailong | WANG Jiadong | WU Zeshuai
Detectors
LN2 filling for 1st HPGe

Index	Filling Start Time	Filling Finish Time
1	Wed Jul 17 08:56 2024	Wed Jul 17 09:36 2024
2	Wed Jul 17 10:02 2024	Wed Jul 17 10:06 2024
3	Wed Jul 17 13:30 2024	Wed Jul 17 13:34 2024
4	Wed Jul 17 15:42 2024	Wed Jul 17 17:44 2024

5	Wed Jul 17 21:30 2024	Wed Jul 17 21:33 2024
6	THU Jul 18 09:29 2024	THU Jul 18 09:33 2024
7	FRI Jul 19 09:15 2024	FRI Jul 19 09:20 2024
8		
9		
10		
11		
12		
13		
14		

3
Thu, 18 Jul 2024 15:02:32 +0800
240718_150231_Screenshot_from_2024-07-18_15-01-56.png
HTML
TestHPGe
WANG Kailong | TIAN Ning
Test
Background with HV=+2000V

- Run#11
- HV=+2000V
- Start:11:00(approximately)
- Stop:15:09
- Attachment 1: Screenshor of the raw energy spectrum

4
Thu, 18 Jul 2024 15:40:01 +0800
240718_155821_Screenshot_from_2024-07-18_15-56-27.png,240718_160007_Screenshot_from_2024-07-18_15-59-58.png
HTML
TestHPGe
WANG Kailong | TIAN Ning
Test
Background with HV=+3100V

- Run#13
- HV=+3100V
- Start:15:35
- Stop:15:55
- Source:152Eu
- Attachment 1: Screenshor of the raw energy spectrum
- Resolution:

- Run#14-17(adjust parameters)
- HV=+3100V
- Start:16:56
- Stop:17:24
- Source:152Eu
- Attachment 1: Screenshor of the raw energy spectrum
- Resolution:0.15%@1408 keV

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Thu, 18 Jul 2024 17:34:27 +0800
HTML
TestHPGe
WANG Kailong | TIAN Ning
Test
152Eu with HV=+3100V

- Run#18 (efficiency at 20cm)
- HV=+3100V
- Start:17:25
- Stop:17:34
- Source:152Eu-180kBq-04.1.1
- Attachment 1: Screenshor of the raw energy spectrum
- 443keV counts:5297
- efficiency:0.4%

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Thu, 18 Jul 2024 17:49:32 +0800
HTML
TestHPGe
WANG Kailong | TIAN Ning
Test
152Eu with HV=+3100V

- Run#19 (efficiency at 10cm)
- HV=+3100V
- Start:17:49
- Stop:17:54
- Source:152Eu-180kBq-04.1.1
- Attachment 1: Screenshor of the raw energy spectrum
- 443keV counts:5114
- efficiency:0.7%

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Thu, 18 Jul 2024 17:56:25 +0800
HTML
TestHPGe
WANG Kailong | TIAN Ning
Test
152Eu with HV=+3100V

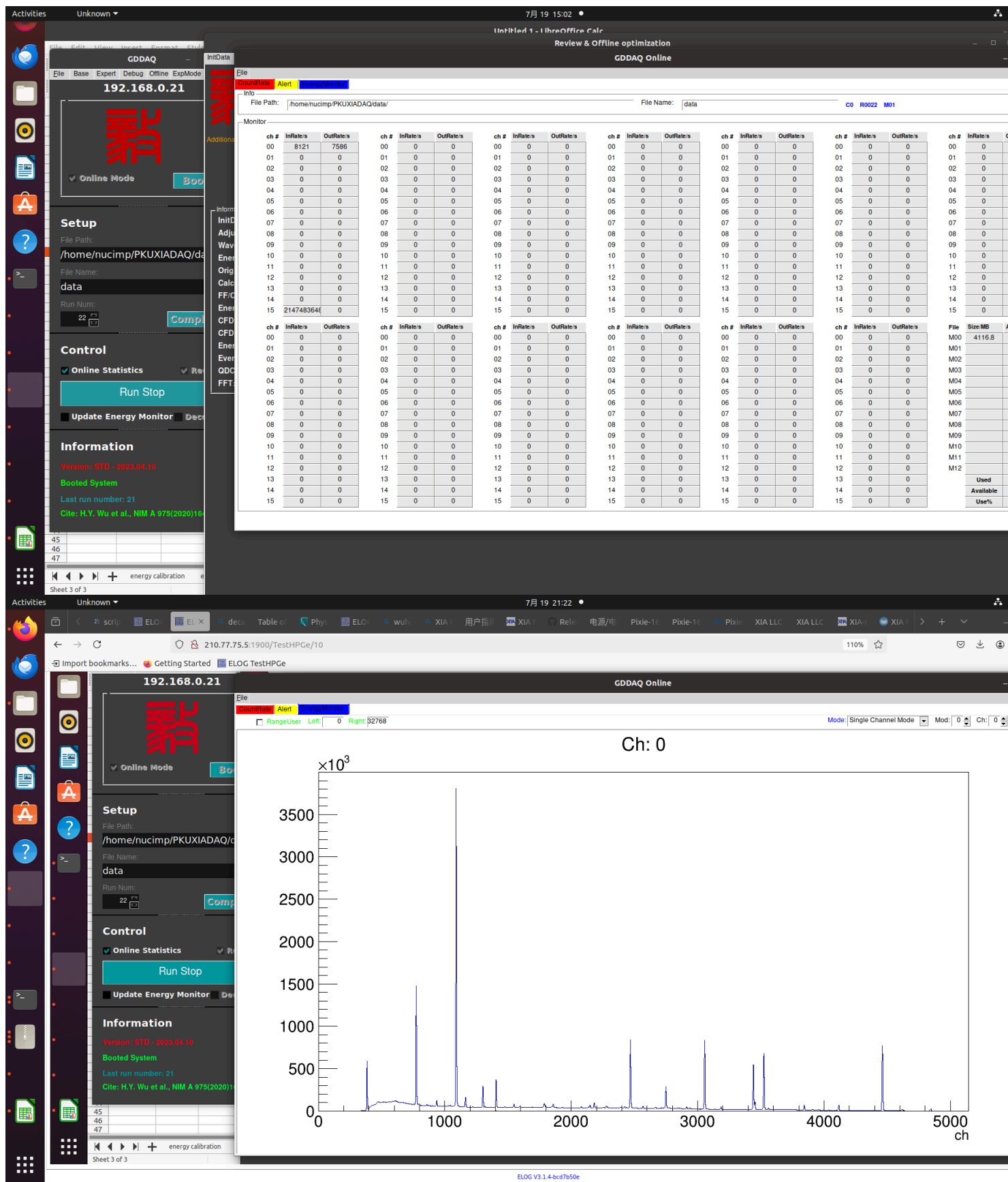
- Run#20 (efficiency at 5cm)
- HV=+3100V
- Start:17:56
- Stop:17:59
- Source:152Eu-180kBq-04.1.1
- Attachment 1: Screenshor of the raw energy spectrum
- 443keV counts:8040
- efficiency:1.8%

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Thu, 18 Jul 2024 18:06:31 +0800
HTML
TestHPGe
WANG Kailong | TIAN Ning
Test
152Eu with HV=+3100V

- Run#21 (efficiency at 2cm)
- HV=+3100V
- Start:18:02
- Stop:18:05
- Source:152Eu-180kBq-04.1.1
- Attachment 1: Screenshor of the raw energy spectrum
- 443keV counts:10724
- efficiency:2.4%

10
Fri, 19 Jul 2024 10:42:47 +0800
240719_150223_Screenshot_from_2024-07-19_15-02-11.png,240719_212309_Screenshot_from_2024-07-19_21-22-53.png
HTML
TestHPGe
WANG Kailong | TIAN Ning
Test
152Eu with HV=+3100V

- Run#22 (5cm stability testing)
- HV=+3100V
- Start:10:00 (approximately)
- Stop:21:19
- Source:152Eu-180kBq-04.1.1
- Attachment 1: counts rate
- Attachment 2: online spectrum (seems stable enough)
- turn off HV (07.19.22:00)



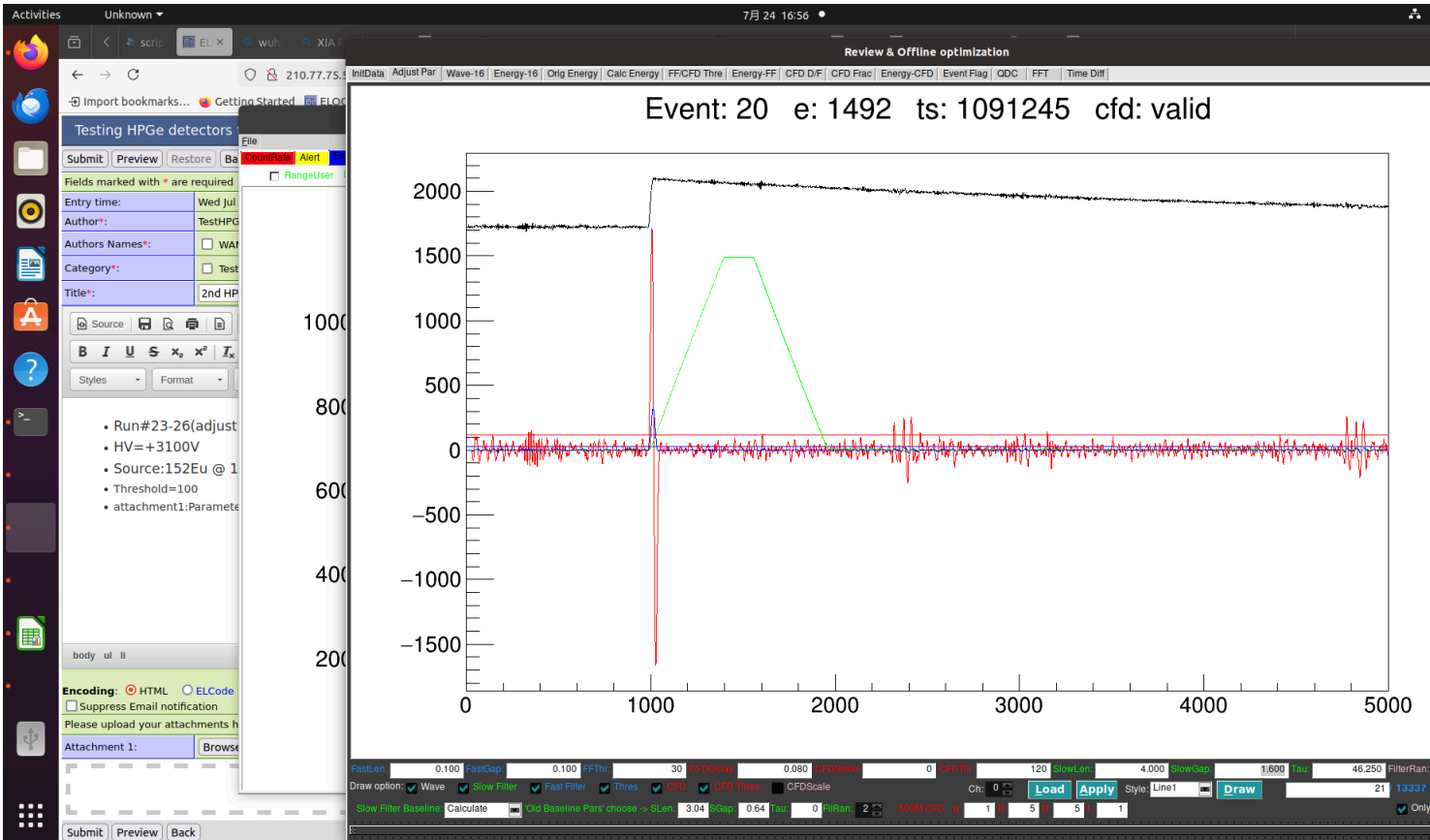
11
Mon, 22 Jul 2024 17:38:42 +0800
HTML
TestHPGe
TIAN Ning
Other
HPGe1 testing finished

12
Tue, 23 Jul 2024 09:27:59 +0800
240723_093131_wx_camera_1721696771313.jpg
HTML
TestHPGe
WANG Kailong | WANG Jiadong | WU Zeshuai
Detectors
LN2 filling for 2nd HPGe

Index	Filling Start Time	Filling Finish Time
1	TUE July 23 09:30 2024	TUE July 23 12:04 2024
2	TUE July 23 14:58 2024	TUE July 23 15:01 2024
3	TUE July 23 17:56 2024	TUE July 23 17:58 2024
4	TUE July 23 22:04 2024	TUE July 23 22:07 2024
5	WED July 24 09:46 2024	WED July 24 09:49 2024
6		
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13
Wed, 24 Jul 2024 16:38:57 +0800
240724_165646_Screenshot_from_2024-07-24_16-56-20.png
HTML
TestHPGe
TIAN Ning
Detectors
2nd HPGe test with 152Eu

- Run#23-26(adjust parameters)
- HV=+3100V
- Source:152Eu @ 15cm
- Threshold=100
- attachment1:Parameters of filters



14
Wed, 24 Jul 2024 16:55:28 +0800
HTML
TestHPGe
TIAN Ning
Detectors
2nd HPGe test with 152Eu

- Run#27(adjust parameters)
- HV=+3100V
- Start:16:47
- Stop:16:55
- Source:152Eu @ 15cm
- Res:0.15%@1408 keV

15
Wed, 24 Jul 2024 17:08:10 +0800
HTML
TestHPGe
TIAN Ning
Detectors
2nd HPGe test with 152Eu

- Run#28
- HV=+3100V
- Start:17:01
- Stop:17:08
- Source:152Eu @ 10cm
- Res:

16
Wed, 24 Jul 2024 17:24:06 +0800
HTML
TestHPGe
TIAN Ning
Detectors
2nd HPGe test with 152Eu

- Run#29

- HV=+3100V
- Start:17:09
- Stop:17:24
- Source:152Eu @ 5cm
- Res:

17

Wed, 24 Jul 2024 17:43:47 +0800

HTML

TestHPGe

TIAN Ning

Detectors

2nd HPGe test with 152Eu

- Run#30
- HV=+3100V
- Start:17:25
- Stop:17:31
- Source:152Eu @ 2cm
- Res:

18

Wed, 24 Jul 2024 17:47:02 +0800

HTML

TestHPGe

TIAN Ning

Detectors

2nd HPGe stability test

- Run#31
- HV=+3100V
- Start:17:47
- Stop:09:52(THU.0725)
- Source:background
- Res:
- Remarks:due to lack of disk space, the data of 31 may not be stored completely

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Thu, 25 Jul 2024 10:13:05 +0800

HTML

TestHPGe

TIAN Ning

Detectors

2nd HPGe 3500V test

- Run#34
- HV=+3500V (Reset HV)
- Start:10:11
- Stop:10:20
- 2nd Start:11:08
- 2nd Stop:11:15
- Source:152Eu@15 cm
- Res:

20

Thu, 25 Jul 2024 10:28:08 +0800

HTML

TestHPGe

TIAN Ning

Detectors

2nd HPGe 3500V test

- Run#34
- HV=+3500V
- Start:10:22
- Stop:10:28
- 2nd Start:10:59
- 2nd Stop:11:05
- Source:152Eu@10 cm
- Res:

21

Thu, 25 Jul 2024 10:34:21 +0800

HTML

TestHPGe

TIAN Ning

Detectors

2nd HPGe 3500V test

- Run#33
- HV=+3500V
- Start:10:29
- Stop:10:34
- 2nd Start:10:54
- 2nd Stop:10:58
- Source:152Eu@5 cm
- Res:
- Remark: No disk space available, data 34 may not be stored completely. Delete data 23-26 & 1-12(test run) to release some space.

22

Thu, 25 Jul 2024 10:37:54 +0800

HTML

TestHPGe

TIAN Ning

Detectors

2nd HPGe 3500V test

- Run#32
- HV=+3500V
- Start:10:49
- Stop:10:53
- Source:152Eu@2 cm
- Res:
- Remark:Delete original data 32-35 and remeasure them

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Thu, 25 Jul 2024 11:16:06 +0800

HTML

TestHPGe

TIAN Ning

Detectors

2nd HPGe 3500V test

-
- 11:20 HV down