

$p(e, e'\pi)n$ Run Sheet

can be found at lichen.phys.uregina.ca/~huberg/fpi/

Use a separate sheet for each configuration.

Date: 21 / 12 / 11
yy mm dd

Initials: WH

HMS

SHMS

Configuration Name: _____

7.937 GeV SETTING#1

Heep-check Singles

E_{beam} : 7.937 GeV

I_{beam} : 30 μA

Purpose:

- ☐ Production
☐ Test (e.g. DAQ, Detector)
☐ Optics (SHMS / HMS)
☒ Other: Heep

Raster: ☒ On ☐ Off
Size: 2 x 2

Beam position and angle on target:

3H07A	X	Y
<u>-0.5</u> mm		<u>0.0</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>-0.9</u> mm		<u>-0.3</u> mm
Nomin:		Nomin:

HMS

p: +0 5.202 $\theta(\text{TV})$: 19.885
From GUI Nearest 0.005

SHMS

p: +0 7.337 $\theta(\text{TV})$: 8.255
From GUI Nearest 0.005

Collimator:

HMS: Large ☒ Sieve ☐

SHMS: Collim ☒ Sieve ☐

Q1	I-SET (from PSU) <u>677.834</u> A B-HALL	I-SET (from PSU) <u>2493.16</u> A B-HALL	HB
	<u>0.9032</u> T	<u>15.781</u> kg	
Q2	I-SET (from PSU) <u>540.345</u> A B-HALL	I-SET (from PSU) <u>1547.9</u> A B-HALL	Q1
	<u>-1.05047</u> T	<u>-10.915</u> kg	
Q3	I-SET (from PSU) <u>262.134</u> A B-HALL	I-SET (from PSU) <u>2587.62</u> A B-HALL	Q2
	<u>0.52554</u> T	<u>24.266</u> kg	
D	I-READ <u>1622.2</u> A B-NMR	I-SET (from PSU) <u>1707.63</u> A B-HALL	Q3
	<u>1.42562</u> T	<u>16.377</u> kg	
	If momentum increased: ☐ HMS cycled? ☐ SHMS cycled?		D
		<u>2340.95</u> A B-NMR <u>-17.004</u> kg	

Run Number:

13854

- ☒ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____cm
☐ _____

PS1: -1
PS2: 10
PS3: -1
PS4: 0
PS5: -1
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

10:36

Stop time (RC GUI):

10:48

- ☒ Settings Verified?
☒ HV OK?
☒ 50k OK?

HMS prescale
pretrig: 291 k

$e-\pi n$ evts:

SHMS prescale
pretrig: 606 k

$\Sigma e-\pi n$ evts:

COIN pretrig: _____ k

☒ Data ok

☐ Junk

Comments:

elastics 128380 - HMS
295830 - SHMS

Run Number:

13855

- ☐ LH2 10cm
☐ LD2 10cm
☒ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____cm
☐ _____

PS1: -1
PS2: 0
PS3: -1
PS4: 0
PS5: -1
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

10:57

Stop time (RC GUI):

11:04

- ☒ Settings Verified?
☒ HV OK?
☒ 50k OK?

HMS prescale
pretrig: 63 k

$e-\pi n$ evts:

SHMS prescale
pretrig: 505 k

$\Sigma e-\pi n$ evts:

COIN pretrig: _____ k

☒ Data ok

☐ Junk

Comments:

Run State = Failed

elastics 79800 - HMS
70340 - SHMS

Run Number:

- ☐ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____cm
☐ _____

PS1: _____
PS2: _____
PS3: _____
PS4: _____
PS5: _____
PS6: _____
Mode10: cer / fadc

Start time (RC GUI):

Stop time (RC GUI):

- ☐ Settings Verified?
☐ HV OK?
☐ 50k OK?

HMS prescale
pretrig: _____ k

$e-\pi n$ evts:

SHMS prescale
pretrig: _____ k

$\Sigma e-\pi n$ evts:

COIN pretrig: _____ k

☐ Data ok

☐ Junk

Comments:

Run Number:

- ☐ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____cm
☐ _____

PS1: _____
PS2: _____
PS3: _____
PS4: _____
PS5: _____
PS6: _____
Mode10: cer / fadc

Start time (RC GUI):

Stop time (RC GUI):

- ☐ Settings Verified?
☐ HV OK?
☐ 50k OK?

HMS prescale
pretrig: _____ k

$e-\pi n$ evts:

SHMS prescale
pretrig: _____ k

$\Sigma e-\pi n$ evts:

COIN pretrig: _____ k

☐ Data ok

☐ Junk

Comments:

$p(e, e'\pi)n$ Run Sheet

can be found at lichen.phys.uregina.ca/~huberg/fpi/

Date: 21 / 12 / 11
yy mm dd

Initials: WH

Use a separate sheet for each configuration.

HMS

SHMS

Configuration Name: _____

7.937 GeV #2

Heep-check Singles

E_{beam} : 7.937 GeV

I_{beam} : 30 μA

Purpose:

- ☐ Production
☐ Test (e.g. DAQ, Detector)
☐ Optics (SHMS / HMS)
☒ Other: Heep

Raster: ☒ On ☐ Off
Size: 2 x 2

Beam position and angle on target:

3H07A	X	Y
<u>-0.5</u> mm		<u>0.0</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>-0.9</u> mm		<u>-0.3</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>572.609</u> A B-HALL	I-SET (from PSU) <u>2206.7</u> A B-HALL	HB
	<u>0.7626</u> T	<u>13.938</u> kg	
Q2	I-SET (from PSU) <u>455.326</u> A B-HALL	I-SET (from PSU) <u>1376.58</u> A B-HALL	Q1
	<u>0.88073</u> T	<u>-9.725</u> kg	
Q3	I-SET (from PSU) <u>221.428</u> A B-HALL	I-SET (from PSU) <u>2305.83</u> A B-HALL	Q2
	<u>0.44627</u> T	<u>21.578</u> kg	
D	I-READ <u>1349.0</u> A B-NMR	I-SET (from PSU) <u>1517.22</u> A B-HALL	Q3
	<u>1.20319</u> T	<u>14.579</u> kg	
	If momentum increased: ☒ HMS cycled? ☒ SHMS cycled?		D
		<u>2086.02</u> A B-NMR	
		<u>-15.204</u> kg	

Run Number:

13856

- ☐ LH2 10cm
☐ LD2 10cm
☒ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: _____
PS2: _____
PS3: _____
PS4: _____
PS5: _____
PS6: _____
Mode10: cer / fadc

Start time (RC GUI):

13:23

Stop time (RC GUI):

15:23

- ☐ Settings Verified?
☐ HV OK?
☐ 50k OK?

HMS prescale
pretrig: _____ k

$e-\pi\pi$ evts:

SHMS prescale
pretrig: _____ k

$\Sigma e-\pi\pi$ evts:

COIN pretrig: _____ k

- ☒ Data ok
☒ Junk

Comments:

JUNK

Run Number:

13857

- ☐ LH2 10cm
☐ LD2 10cm
☒ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: -1
PS2: 7
PS3: -1
PS4: 0
PS5: -1
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

13:24

Stop time (RC GUI):

13:30

- ☒ Settings Verified?
☒ HV OK?
☒ 50k OK?

HMS prescale
pretrig: 13 k

$e-\pi\pi$ evts:

SHMS prescale
pretrig: 324 k

$\Sigma e-\pi\pi$ evts:

COIN pretrig: _____ k

- ☒ Data ok
☐ Junk

Comments:

30 μA

HMS 163 e^- elastic
SHMS 2252 e^- elastic

Run Number:

13858

- ☒ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: -1
PS2: 9
PS3: -1
PS4: 0
PS5: -1
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

15:20

Stop time (RC GUI):

15:39

- ☒ Settings Verified?
☒ HV OK?
☒ 50k OK?

HMS prescale
pretrig: 98 k

$e-\pi\pi$ evts:

SHMS prescale
pretrig: 632 k

$\Sigma e-\pi\pi$ evts:

COIN pretrig: _____ k

- ☒ Data ok
☐ Junk

Comments:

45 μA

-> 23088 e^- SHMS elastic
-> 4303 e^- HMS elastic

Run Number:

- ☐ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: _____
PS2: _____
PS3: _____
PS4: _____
PS5: _____
PS6: _____
Mode10: cer / fadc

Start time (RC GUI):

Stop time (RC GUI):

- ☐ Settings Verified?
☐ HV OK?
☐ 50k OK?

HMS prescale
pretrig: _____ k

$e-\pi\pi$ evts:

SHMS prescale
pretrig: _____ k

$\Sigma e-\pi\pi$ evts:

COIN pretrig: _____ k

- ☐ Data ok
☐ Junk

Comments:

$p(e,e'\pi)n$ Run Sheet

can be found at lichen.phys.uregina.ca/~huberg/fp/

Date: 21/12/11
yy mm dd

Initials: WH

Use a separate sheet for each configuration.

HMS

SHMS

Configuration Name:

7.937 GeV #3

Heep-check Singles

E_{beam} : 7.937 GeV

I_{beam} : _____ μA

Purpose:

- ☐ Production
☐ Test (e.g. DAQ, Detector)
☐ Optics (SHMS / HMS)
☒ Other: Heep

Raster: ☒ On ☐ Off
Size: 2 x 2

Beam position and angle on target:

3H07A	X	Y
<u>-0.5</u> mm		<u>0.0</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>-0.9</u> mm		<u>-0.3</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>572.609</u> A B-HALL	I-SET (from PSU) <u>1846.51</u> A B-HALL	HB
	<u>0.7626</u> T	<u>11.729</u> kg	
Q2	I-SET (from PSU) <u>455.326</u> A B-HALL	I-SET (from PSU) <u>1157.35</u> A B-HALL	Q1
	<u>0.88073</u> T	<u>-8.170</u> kg	
Q3	I-SET (from PSU) <u>221.428</u> A B-HALL	I-SET (from PSU) <u>1943.98</u> A B-HALL	Q2
	<u>0.44627</u> T	<u>18.235</u> kg	
D	I-READ <u>1349.0</u> A B-NMR	I-SET (from PSU) <u>1279.12</u> A B-HALL	Q3
	<u>1.20319</u> T	<u>12.370</u> kg	
	If momentum increased: ☐ HMS cycled? ☐ SHMS cycled?		D
		<u>1758.66A</u> <u>-12.832</u> kg	

Run Number:

13859

- ☒ LH2 10cm
☒ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: -1
PS2: 3
PS3: -1
PS4: 0
PS5: -1
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

15:56

Stop time (RC GUI):

16:14

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 90 k

$e-\pi n$ evts:

SHMS prescale
pretrig: 769 k

$\Sigma e-\pi n$ evts:

COIN pretrig: _____ k

☒ Data ok

☐ Junk

Comments:

45 MA.

elastics 7694 elastics SHMS
41043 = HMS

Run Number:

13860

- ☒ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: -1
PS2: 3
PS3: -1
PS4: 0
PS5: -1
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

16:15

Stop time (RC GUI):

16:26

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 63 k

$e-\pi n$ evts:

SHMS prescale
pretrig: 556 k

$\Sigma e-\pi n$ evts:

COIN pretrig: _____ k

☒ Data ok

☐ Junk

Comments:

elastics 5588 = 621 k SHMS
2919 = HMS

Run Number:

13861

- ☐ LH2 10cm
☐ LD2 10cm
☒ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: -1
PS2: -1
PS3: -1
PS4: 0
PS5: -1
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

16:44

Stop time (RC GUI):

16:49

☒ Settings Verified?

☒ HV OK?

☐ 50k OK?

HMS prescale
pretrig: _____ k

$e-\pi n$ evts:

SHMS prescale
pretrig: _____ k

$\Sigma e-\pi n$ evts:

COIN pretrig: _____ k

☐ Data ok

☒ Junk

Comments:

JUNK - Beam tripped

Run Number:

13862

- ☐ LH2 10cm
☐ LD2 10cm
☒ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: _____
PS2: _____
PS3: _____
PS4: _____
PS5: _____
PS6: _____
Mode10: cer / fadc

Start time (RC GUI):

Stop time (RC GUI):

☐ Settings Verified?

☐ HV OK?

☐ 50k OK?

HMS prescale
pretrig: _____ k

$e-\pi n$ evts:

SHMS prescale
pretrig: _____ k

$\Sigma e-\pi n$ evts:

COIN pretrig: _____ k

☐ Data ok

☒ Junk

Comments:

Junk run, checking precal

$p(e,e'\pi)n$ Run Sheet

can be found at lichen.phys.uregina.ca/~huberg/fpi/

Date: Dec 11, 2021
yy mm dd

Initials: PS.

Continuation of Configuration:

7,937 GeV

Keep Check Singles #3

This sheet is only to be used to continue a running configuration.

Run Number: <u>13863</u>	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm	PS1: <u>-1</u> PS2: <u>5</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>19:12</u> Stop time (RC GUI): <u>19:19</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>14</u> k $e-\pi n$ evts:	SHMS prescale pretrig: <u>28</u> k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☐ Data ok ☐ Junk
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Comments: 40 μ A

HMS 133
SHMS 72

Run Number: <u>13864</u>	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm	PS1: <u>-1</u> PS2: <u>5</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>19:20</u> Stop time (RC GUI): <u>19:21</u>	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts:	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☐ Data ok ☐ Junk
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Comments: JUNK - ~~data~~ wrong prescales

Run Number: <u>13865</u>	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm	PS1: <u>-1</u> PS2: <u>5</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>19:22</u> Stop time (RC GUI):	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>9867</u> k $e-\pi n$ evts:	SHMS prescale pretrig: <u>433</u> k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☒ Data ok ☐ Junk
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SHMS 927
HMS 144 elastics

Run Number:	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____ Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI):	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts:	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☐ Data ok ☐ Junk
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Run Number:	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____ Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI):	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts:	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☐ Data ok ☐ Junk
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Run Number:	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____ Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI):	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts:	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☐ Data ok ☐ Junk
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$p(e,e'\pi)n$ Run Sheet

can be found at lichen.phys.uregina.ca/~huberg/fpl/

Date: 21 / 12 / 11
yy mm dd

Initials: PS.

Use a separate sheet for each configuration.

HMS

SHMS

Configuration Name: _____

7.937 GeV #4

Heep-check Singles

E_{beam} : 7.937 GeV

I_{beam} : 40 μA

Purpose:

- ☐ Production
☐ Test (e.g. DAQ, Detector)
☐ Optics (SHMS / HMS)
☒ Other: Heep

Raster: ☒ On ☐ Off
Size: 2 x 2

Beam position and angle on target:

3H07A	X	Y
<u>-0.5</u> mm		<u>0.0</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>-0.9</u> mm		<u>-0.3</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>486.99</u> A B-HALL <u>0.64740</u> T	I-SET (from PSU) <u>1815.290</u> A B-HALL <u>11.545</u> kG	HB
Q2	I-SET (from PSU) <u>387.21</u> A B-HALL <u>-0.74318</u> T	I-SET (from PSU) <u>1138.46</u> A B-HALL <u>-8.046</u> kG	Q1
Q3	I-SET (from PSU) <u>188.288</u> A B-HALL <u>0.37774</u> T	I-SET (from PSU) <u>1912.240</u> A B-HALL <u>17.906</u> kG	Q2
D	I-READ <u>1146.50</u> A B-NMR <u>1.0232700</u> T	I-SET (from PSU) <u>1258.24</u> A B-HALL <u>12.122</u> kG	Q3
	If momentum increased: ☐ HMS cycled? ☐ SHMS cycled?	I-SET (from PSU) <u>1729.95</u> A B-NMR <u>-12.586</u> kG	D

Run Number:

13866

- ☐ LH2 10cm
☐ LD2 10cm
☒ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: -1
PS2: 0
PS3: -1
PS4: 0
PS5: -1
PS6: 0
Mode10: cer / fadc

Start time (RC GUI):

19:47

Stop time (RC GUI):

19:54

- ☒ Settings Verified?
☒ HV OK?
☐ 50k OK?

HMS prescale
pretrig: 6 k

$e-\pi n$ evts:

SHMS prescale
pretrig: 113 k

$\Sigma e-\pi n$ evts:

COIN pretrig: ✓ k

☒ Data ok

☐ Junk

Comments:

SHMS 527 elastics
HMS 29

Run Number:

13867

- ☒ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: -1
PS2: 1
PS3: -1
PS4: 0
PS5: -1
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

20:09

Stop time (RC GUI):

20:15

- ☒ Settings Verified?
☒ HV OK?
☒ 50k OK?

HMS prescale
pretrig: 5 k

$e-\pi n$ evts:

SHMS prescale
pretrig: 194 k

$\Sigma e-\pi n$ evts:

COIN pretrig: ✓ k

☒ Data ok

☐ Junk

Comments:

Beam off at 20:12. Beam is trippy. SHMS 1841
HMS 193 elastics

Run Number:

13868

- ☒ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: -1
PS2: 0
PS3: 0
PS4: 0
PS5: 0
PS6: 0
Mode10: cer / fadc

Start time (RC GUI):

20:16

Stop time (RC GUI):

20:29

- ☐ Settings Verified?
☒ HV OK?
☐ 50k OK?

HMS prescale
pretrig: 16 k

$e-\pi n$ evts:

SHMS prescale
pretrig: 1546 k

$\Sigma e-\pi n$ evts:

COIN pretrig: ✓ k

☐ Data ok

☐ Junk

Comments:

SHMS 14809
HMS 661 elastics

Run Number:

- ☐ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: _____
PS2: _____
PS3: _____
PS4: _____
PS5: _____
PS6: _____
Mode10: cer / fadc

Start time (RC GUI):

Stop time (RC GUI):

- ☐ Settings Verified?
☐ HV OK?
☐ 50k OK?

HMS prescale
pretrig: _____ k

$e-\pi n$ evts:

SHMS prescale
pretrig: _____ k

$\Sigma e-\pi n$ evts:

COIN pretrig: _____ k

☐ Data ok

☐ Junk

Comments:

$p(e,e'\pi)n$ Run Sheet

can be found at lichen.phys.uregina.ca/~huberg/fpi/

Date: 21/12/11
yy mm dd

Initials: GH

Use a separate sheet for each configuration.

HMS

SHMS

Configuration Name: _____

7.937 GeV

Heap Singles # 5

E_{beam}: 7.937 GeV

I_{beam}: 70 μ A

Purpose:

☐ Production

☐ Test (e.g. DAQ, Detector)

☐ Optics (SHMS / HMS)

☒ Other: HEEP

Raster: ☒ On ☐ Off
Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>-0.5</u> mm		<u>0.0</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>-0.9</u> mm		<u>-0.3</u> mm
Nomin:		Nomin:

HMS

p: +0.37380 θ (TV): 31.150
From GUI Nearest 0.005

SHMS

p: +0.34930 θ (TV): 30.020
From GUI Nearest 0.005

Collimator:

HMS: Large ☒ Sieve ☐

SHMS: Collim ☒ Sieve ☐

Q1	I-SET (from PSU) <u>486.9900</u> A B-HALL <u>0.64600</u> T	I-SET (from PSU) <u>1158.85</u> A B-HALL <u>7.329</u> kg	HB
Q2	I-SET (from PSU) <u>387.2190</u> A B-HALL <u>-0.74233</u> T	I-SET (from PSU) <u>733.4240</u> A B-HALL <u>-5.151</u> kg	Q1
Q3	I-SET (from PSU) <u>188.2880</u> A B-HALL <u>0.38026</u> T	I-SET (from PSU) <u>1231.9200</u> A B-HALL <u>11.546</u> kg	Q2
D	I-READ <u>1146.500</u> A B-NMR <u>1.02326</u> T	I-SET (from PSU) <u>816.5900</u> A B-HALL <u>7.851</u> kg	Q3
	If momentum increased: ☐ HMS cycled? ☐ SHMS cycled?	I-SET (from PSU) <u>1114.9000</u> A B-NMR <u>-8.181</u> kg	D

Run Number:

13869

☒ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: -1
PS2: 0
PS3: -1
PS4: 0
PS5: -1
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

20:46

Stop time (RC GUI):

21:18

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 39 k

$e-\pi n$ evts:

SHMS prescale
pretrig: 511 k

$\Sigma e-\pi n$ evts:

COIN pretrig: ✓ k

☒ Data ok

☐ Junk

Comments:

Run comment says #4 instead of #5.

SHMS 1042
HMS 1781 elastics

Run Number:

13870

☒ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: -1
PS2: 0
PS3: -1
PS4: 0
PS5: -1
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

21:18

Stop time (RC GUI):

21:29

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 12 k

$e-\pi n$ evts:

SHMS prescale
pretrig: 153 k

$\Sigma e-\pi n$ evts:

COIN pretrig: ✓ k

☒ Data ok

☐ Junk

Comments:

SHMS 209
HMS 492 elastics

Run Number:

13871

☒ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: -1
PS2: 0
PS3: -1
PS4: 0
PS5: -1
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

21:29

Stop time (RC GUI):

22:30

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 61 k

$e-\pi n$ evts:

SHMS prescale
pretrig: 711 k

$\Sigma e-\pi n$ evts:

COIN pretrig: ✓ k

☒ Data ok

☐ Junk

Comments:

No beam since 22:07

SHMS 1348
HMS 2378 elastics

Run Number:

13872

☒ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: -1
PS2: 0
PS3: -1
PS4: 0
PS5: -1
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

22:31

Stop time (RC GUI):

23:41

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: k

$e-\pi n$ evts:

SHMS prescale
pretrig: k

$\Sigma e-\pi n$ evts:

COIN pretrig: k

☒ Data ok

☐ Junk

Comments:

1.18M evts
2141 SHMS
7922 HMS elastics

$p(e, e'\pi)n$ Run Sheet

can be found at lichen.phys.uregina.ca/~huberg/fpi/

Date: 21 / 12 / 11
yy mm dd

Initials: GH

Continuation of Configuration:

Heep Singles #5
7.937 GeV

This sheet is only to be used to
continue a running configuration.

Run Number: <u>13873</u>	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>-1</u> PS2: <u>0</u> PS3: <u>1</u> PS4: <u>0</u> PS5: <u>1</u> PS6: <u>1</u> Mode10: cer / fadc	Start time (RC GUI): <u>23:47</u> Stop time (RC GUI):	☐ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: <u>12</u> k $e-\pi n$ evts:	SHMS prescale pretrig: <u>46</u> k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☒ Data ok ☐ Junk
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Comments:	37 HMS 18 SHMS						
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Run Number:	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____ Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI):	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts:	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☐ Data ok ☐ Junk
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Comments:							
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Run Number:	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____ Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI):	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts:	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☐ Data ok ☐ Junk
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Comments:							
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Run Number:	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____ Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI):	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts:	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☐ Data ok ☐ Junk
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Comments:							
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Run Number:	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____ Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI):	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts:	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☐ Data ok ☐ Junk
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Comments:							
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Run Number:	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____ Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI):	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts:	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☐ Data ok ☐ Junk
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Comments:							
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$p(e,e'\pi)n$ Run Sheet

can be found at lichen.phys.uregina.ca/~huberg/fpi/

Date: 21 / 12 / 12
yy mm dd

Initials: AU

Use a separate sheet for each configuration.

Configuration Name: _____

Lumi Scans (LH2)

7.937 GeV

Purpose:

- ☐ Production
☐ Test (e.g. DAQ, Detector)
☐ Optics (SHMS / HMS)
☒ Other: Lumi Scans

Raster: ☒ On ☐ Off
Size: 4x4 (2x2)

Beam position and angle on target:

3H07A	X	Y
<u>-0.50</u>	mm	<u>-0.00</u> mm
Nomin: <u>-0.5</u>		Nomin: <u>0.0</u>
3H07C	X	Y
<u>-0.89</u>	mm	<u>-0.31</u> mm
Nomin: <u>-0.4</u>		Nomin: <u>-0.3</u>

HMS

SHMS

Q1	I-SET (from PSU) <u>534.1650</u> A B-HALL <u>0.71080</u> T	I-SET (from PSU) <u>1448.67</u> A B-HALL <u>9.525</u> kg	HB
Q2	I-SET (from PSU) <u>424.7450</u> A B-HALL <u>-0.82076</u> T	I-SET (from PSU) <u>944.864</u> A B-HALL <u>-6.660</u> kg	Q1
Q3	I-SET (from PSU) <u>206.5480</u> A B-HALL <u>0.41416</u> T	I-SET (from PSU) <u>1586.7</u> A B-HALL <u>14.888</u> kg	Q2
D	I-READ <u>1256.7</u> A B-NMR <u>1.1224600</u> T	I-SET (from PSU) <u>1044.28</u> A B-HALL <u>10.069</u> kg	Q3
	If momentum increased: ☒ HMS cycled? ☒ SHMS cycled?	I-SET (from PSU) <u>1435.77</u> A B-NMR <u>-10.465</u> kg	D

Run Number:

13874

- ☒ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: -1
PS2: 10
PS3: -1
PS4: 8
PS5: -1
PS6: -1
Mode10: cer / 444

Start time (RC GUI):

00-43

Stop time (RC GUI):

00-54

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 556 k

e- π n evts:

SHMS prescale
pretrig: 1049 k

Σ e- π n evts:

COIN pretrig: k

☒ Data ok

☐ Junk

Comments:

70 mA

Run Number:

13875

- ☒ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: -1
PS2: 10
PS3: -1
PS4: 7
PS5: -1
PS6: -1
Mode10: cer / 444

Start time (RC GUI):

00-58

Stop time (RC GUI):

00-12

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 957 k

e- π n evts:

SHMS prescale
pretrig: 911 k

Σ e- π n evts:

COIN pretrig: k

☒ Data ok

☐ Junk

Comments:

55 mA

Run Number:

13877

- ☒ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: -1
PS2: 10
PS3: -1
PS4: 7
PS5: -1
PS6: -1
Mode10: cer / 444

Start time (RC GUI):

00-15

Stop time (RC GUI):

01-26

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 555 k

e- π n evts:

SHMS prescale
pretrig: 530 k

Σ e- π n evts:

COIN pretrig: k

☒ Data ok

☐ Junk

Comments:

40 mA

Run Number:

13878

- ☒ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: -1
PS2: 9
PS3: -1
PS4: 6
PS5: -1
PS6: -1
Mode10: cer / 444

Start time (RC GUI):

01-29

Stop time (RC GUI):

01-40

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 805 k

e- π n evts:

SHMS prescale
pretrig: 805 k

Σ e- π n evts:

COIN pretrig: k

☒ Data ok

☐ Junk

Comments:

25 mA

p(e,e' π)n Run Sheet

can be found at lichen.phys.uregina.ca/~huberg/fpi/

Date: 21/12/12
yy mm dd

Initials: AU

Continuation of Configuration:

Lumi Scans 7.437 GeV

LH2/Dummy/LO2

This sheet is only to be used to continue a running configuration.

Run Number: 13879	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: -1 PS2: 9 PS3: -1 PS4: 6 PS5: -1 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 01-45 Stop time (RC GUI): 01-56	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 593 k $e-\pi n$ evts: /	SHMS prescale pretrig: 591 k $\Sigma e-\pi n$ evts: /	COIN pretrig: / k ☐ Data ok ☐ Junk
Comments:							
18nt							

Run Number: 13880	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: -1 PS2: 8 PS3: -1 PS4: 5 PS5: -1 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 02-01 Stop time (RC GUI): 02-12	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 675 k $e-\pi n$ evts: /	SHMS prescale pretrig: 698 k $\Sigma e-\pi n$ evts: /	COIN pretrig: / k ☐ Data ok ☐ Junk
Comments:							
10nt							

Run Number: 13881	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: -1 PS2: 7 PS3: -1 PS4: 5 PS5: -1 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 02-15 Stop time (RC GUI): 02-27	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 664 k $e-\pi n$ evts: /	SHMS prescale pretrig: 739 k $\Sigma e-\pi n$ evts: /	COIN pretrig: / k ☐ Data ok ☐ Junk
Comments:							
5nt							

Run Number: 13882	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: -1 PS2: 9 PS3: -1 PS4: 6 PS5: -1 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 02:35 Stop time (RC GUI): 02:55	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 729 k $e-\pi n$ evts: /	SHMS prescale pretrig: 776 k $\Sigma e-\pi n$ evts: /	COIN pretrig: / k ☐ Data ok ☐ Junk
Comments:							
40nt							

Run Number: 13883	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: -1 PS2: 9 PS3: -1 PS4: 5 PS5: -1 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 03-06 Stop time (RC GUI): 03-18	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: / k $e-\pi n$ evts: /	SHMS prescale pretrig: / k $\Sigma e-\pi n$ evts: /	COIN pretrig: / k ☐ Data ok ☒ Junk
Comments:							
JUNK							

Run Number: 13884	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: -1 PS2: 10 PS3: -1 PS4: 7 PS5: -1 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 03-23 Stop time (RC GUI): 03-30	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: / k $e-\pi n$ evts: /	SHMS prescale pretrig: / k $\Sigma e-\pi n$ evts: /	COIN pretrig: / k ☐ Data ok ☐ Junk
Comments:							
JUNK (Dipole Interlock)							

can be found at lichen.phys.uregina.ca/~huberg/fpi/

Initials: AV

Lumj Scans

LD2

***This sheet is only to be used to
continue a running configuration.***

40 mA

 $25 \mu A$ $18 \mu A$

JUNK (no beam > 5 mins) 10µs

Sunk

Sunk

$p(e,e'\pi)n$ Run Sheet

can be found at lichen.phys.uregina.ca/~huberg/fpi/

Date: 21/12/12
yy mm dd

Initials: W/H

Continuation of Configuration:

LumiScan LD2

Page 2

This sheet is only to be used to continue a running configuration.

Run Number: 13891	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>1</u> PS2: <u>9</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>-1</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 12:14 Stop time (RC GUI): 12:30	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 729 k $e-\pi n$ evts: ☒	SHMS prescale pretrig: 733 k $\Sigma e-\pi n$ evts: ☒	COIN pretrig: 733 k ☒ Data ok ☐ Junk
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Comments:

3 trips: trip 4 min in for 4 min, then down again after 1 min, then a 3rd after 4 min

10 nA

Run Number: 13892	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>9</u> PS2: <u>9</u> PS3: <u>6</u> PS4: <u>6</u> PS5: <u>6</u> PS6: <u>6</u> Mode10: cer / fadc	Start time (RC GUI): 12:31 Stop time (RC GUI): 12:48	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 429 k $e-\pi n$ evts: ☐	SHMS prescale pretrig: 428 k $\Sigma e-\pi n$ evts: ☐	COIN pretrig: ☐ k ☐ Data ok ☐ Junk
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Comments:

No beam at start 4 trips, PS off (~500 Hz each arm) 5 nA

Run Number: 13893	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>9</u> PS2: <u>9</u> PS3: <u>6</u> PS4: <u>6</u> PS5: <u>6</u> PS6: <u>6</u> Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI): 	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: 1438 k $e-\pi n$ evts: ☐	SHMS prescale pretrig: 1383 k $\Sigma e-\pi n$ evts: ☐	COIN pretrig: ☐ k ☐ Data ok ☐ Junk
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Comments:

JUNK TRIED 55 nA

Run Number: 13894	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>8</u> PS2: <u>8</u> PS3: <u>5</u> PS4: <u>5</u> PS5: <u>5</u> PS6: <u>5</u> Mode10: cer / fadc	Start time (RC GUI): 12:59 Stop time (RC GUI): 13:09	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 728 k $e-\pi n$ evts: ☐	SHMS prescale pretrig: 753 k $\Sigma e-\pi n$ evts: ☐	COIN pretrig: ☐ k ☐ Data ok ☐ Junk
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Comments:

5 nA

Run Number: 13895	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>9</u> PS2: <u>9</u> PS3: <u>6</u> PS4: <u>6</u> PS5: <u>6</u> PS6: <u>6</u> Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI): 	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: ☐ k $e-\pi n$ evts: ☐	SHMS prescale pretrig: ☐ k $\Sigma e-\pi n$ evts: ☐	COIN pretrig: ☐ k ☐ Data ok ☐ Junk
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Comments:

JUNK

Run Number: 13896	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>9</u> PS2: <u>9</u> PS3: <u>6</u> PS4: <u>6</u> PS5: <u>6</u> PS6: <u>6</u> Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI): 	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: ☐ k $e-\pi n$ evts: ☐	SHMS prescale pretrig: ☐ k $\Sigma e-\pi n$ evts: ☐	COIN pretrig: ☐ k ☐ Data ok ☐ Junk
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Comments:

JUNK

$p(e, e'\pi)n$ Run Sheet

can be found at lichen.phys.uregina.ca/~huberg/fpi/

Date: 21/12/12
yy mm dd

Initials: WH

Continuation of Configuration:

Lumi Scans

Carbon

This sheet is only to be used to continue a running configuration.

Run Number: 13897	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: _____ PS2: 8 PS3: _____ PS4: 5 PS5: _____ PS6: _____ Mode10: cer / fadc	Start time (RC GUI): 13:46 Stop time (RC GUI): 14:18	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: _____ k $e-\pi n$ evts: _____	SHMS prescale pretrig: _____ k $\Sigma e-\pi n$ evts: _____	COIN pretrig: _____ k ☐ Data ok ☐ Junk
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Comments: **70 μ A**

Run Number: 13898	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: _____ PS2: 8 PS3: _____ PS4: 5 PS5: _____ PS6: _____ Mode10: cer / fadc	Start time (RC GUI): 14:19 Stop time (RC GUI): 14:46	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: _____ k $e-\pi n$ evts: _____	SHMS prescale pretrig: _____ k $\Sigma e-\pi n$ evts: _____	COIN pretrig: _____ k ☐ Data ok ☐ Junk
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Comments: **55 μ A**

Run Number: 13904	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 8 PS2: 8 PS3: 5 PS4: 5 PS5: 5 PS6: 5 Mode10: cer / fadc	Start time (RC GUI): 16:11 Stop time (RC GUI): 16:30	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 746 k $e-\pi n$ evts: _____	SHMS prescale pretrig: 760 k $\Sigma e-\pi n$ evts: _____	COIN pretrig: _____ k ☐ Data ok ☐ Junk
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Comments: **Run Header did not update - 1505k evts 40 μ A**

Run Number: 13906	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 7 PS2: 7 PS3: 4 PS4: 4 PS5: 4 PS6: 4 Mode10: cer / fadc	Start time (RC GUI): 16:46 Stop time (RC GUI): 17:07	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: _____ k $e-\pi n$ evts: _____	SHMS prescale pretrig: _____ k $\Sigma e-\pi n$ evts: _____	COIN pretrig: _____ k ☐ Data ok ☐ Junk
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Comments: **25 μ A EDM = 25Hz. 1692k evts**

Run Number: 13907	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 6 PS2: 6 PS3: 3 PS4: 3 PS5: 3 PS6: 3 Mode10: cer / fadc	Start time (RC GUI): 17:08 Stop time (RC GUI): 17:28	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: _____ k $e-\pi n$ evts: _____	SHMS prescale pretrig: _____ k $\Sigma e-\pi n$ evts: _____	COIN pretrig: _____ k ☐ Data ok ☐ Junk
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Comments: **18 μ A EDM = 25Hz. 2.75M evts**

Run Number: 13908	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 6 PS2: 6 PS3: 3 PS4: 3 PS5: 3 PS6: 3 Mode10: cer / fadc	Start time (RC GUI): 17:29 Stop time (RC GUI): 17:51	☐ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: _____ k $e-\pi n$ evts: _____	SHMS prescale pretrig: _____ k $\Sigma e-\pi n$ evts: _____	COIN pretrig: _____ k ☐ Data ok ☐ Junk
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Comments: **10 μ A EDM = 25Hz. 1.61M evts**

$p(e,e'\pi)n$ Run Sheet

can be found at lichen.phys.uregina.ca/~huberg/fpi/

Date: 21/12/12
yy mm dd

Initials: GH

Continuation of Configuration:

Lumi Scans
CARBON

This sheet is only to be used to continue a running configuration.

Run Number: <u>13910</u>	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>5</u> PS2: <u>5</u> PS3: <u>1</u> PS4: <u>2</u> PS5: <u>1</u> PS6: <u>1</u> Mode10: cer / fadc	Start time (RC GUI): <u>17:54</u> Stop time (RC GUI): <u>18:15</u>	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: k <u>$e-\pi n$ evts:</u>	SHMS prescale pretrig: k <u>$\Sigma e-\pi n$ evts:</u>	COIN pretrig: k ☐ Data ok ☐ Junk
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5_{NA}

EDTM=25Hz

1.55M

Run Number:	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____ Mode10: cer / fadc	Start time (RC GUI): <u>1</u> Stop time (RC GUI):	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: k <u>$e-\pi n$ evts:</u>	SHMS prescale pretrig: k <u>$\Sigma e-\pi n$ evts:</u>	COIN pretrig: k ☐ Data ok ☐ Junk
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Run Number:	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____ Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI):	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: k <u>$e-\pi n$ evts:</u>	SHMS prescale pretrig: k <u>$\Sigma e-\pi n$ evts:</u>	COIN pretrig: k ☐ Data ok ☐ Junk
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Run Number:	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____ Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI):	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: k <u>$e-\pi n$ evts:</u>	SHMS prescale pretrig: k <u>$\Sigma e-\pi n$ evts:</u>	COIN pretrig: k ☐ Data ok ☐ Junk
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Run Number:	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____ Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI):	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: k <u>$e-\pi n$ evts:</u>	SHMS prescale pretrig: k <u>$\Sigma e-\pi n$ evts:</u>	COIN pretrig: k ☐ Data ok ☐ Junk
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Run Number:	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____ Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI):	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: k <u>$e-\pi n$ evts:</u>	SHMS prescale pretrig: k <u>$\Sigma e-\pi n$ evts:</u>	COIN pretrig: k ☐ Data ok ☐ Junk
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$p(e,e'\pi)n$ Run Sheet

can be found at lichen.phys.uregina.ca/~huberg/fpi/

Date: 21/12/12
yy mm dd

Initials: KH

Continuation of Configuration:

EDTM studies
55 μ A

This sheet is only to be used to continue a running configuration.

Run Number: 13899	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm	PS1: -1 PS2: -1 PS3: -1 PS4: 5 PS5: -1 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 14:47 Stop time (RC GUI): 15:10	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts:	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☒ Data ok ☐ Junk
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PS4 ONLY

Run Number: 13900	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm	PS1: -1 PS2: 8 PS3: -1 PS4: -1 PS5: -1 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 15:11 Stop time (RC GUI): 15:23	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts:	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☒ Data ok ☐ Junk
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PS2 ONLY

Run Number: 13901	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm	PS1: 8 PS2: -1 PS3: 6 PS4: -1 PS5: -1 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 15:25 Stop time (RC GUI): 15:41	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts:	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☒ Data ok ☐ Junk
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PS1 & PS3

Run Number: 13902	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm	PS1: -1 PS2: 8 PS3: -1 PS4: 5 PS5: -1 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 15:42 Stop time (RC GUI): 15:55	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts:	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☒ Data ok ☐ Junk
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EDTM @ 50 Hz

Run Number: 13903	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm	PS1: -1 PS2: 8 PS3: -1 PS4: 5 PS5: -1 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 15:55 Stop time (RC GUI): 16:09	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 57 k $e-\pi n$ evts:	SHMS prescale pretrig: 1011 k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☒ Data ok ☐ Junk
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EDTM @ ~~100 Hz~~ 50 Hz C did not update 172k evts

Run Number: 13905	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm	PS1: -1 PS2: 8 PS3: -1 PS4: 5 PS5: -1 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 16:33 Stop time (RC GUI): 16:45	☐ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: 553 k $e-\pi n$ evts:	SHMS prescale pretrig: 503 k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☒ Data ok ☐ Junk
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EDTM @ 100 Hz, 55 μ A

1.05M evts

$p(e,e'\pi)n$ Run Sheet

can be found at lichen.phys.uregina.ca/~huberg/fpi/

Date: 21 12
yy mm dd

Initials: GH

Continuation of Configuration:

EDTM Studies

10nA

This sheet is only to be used to continue a running configuration.

Run Number: <u>13911</u>	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm	PS1: ____ PS2: <u>4</u> PS3: ____ PS4: <u>4</u> PS5: <u>4</u> PS6: <u>4</u> Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI): ☐ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: ____ k $e-\pi n$ evts: ____	SHMS prescale pretrig: ____ k $\Sigma e-\pi n$ evts: ____	COIN pretrig: ____ k ☐ Data ok ☒ Junk
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Comments:

Changing Prescales

Run Number: <u>13912</u>	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm	PS1: <u>6</u> PS2: <u>3</u> PS3: <u>3</u> PS4: <u>3</u> PS5: <u>3</u> PS6: <u>3</u> Mode10: cer / fadc	Start time (RC GUI): <u>18:19</u> Stop time (RC GUI): <u>18:30</u> ☐ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: ____ k $e-\pi n$ evts: ____	SHMS prescale pretrig: ____ k $\Sigma e-\pi n$ evts: ____	COIN pretrig: ____ k ☐ Data ok ☐ Junk
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Comments:

PS1, 3 EDTM = 25Hz

987k evts

Run Number: <u>13913</u>	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm	PS1: <u>1</u> PS2: <u>5</u> PS3: <u>1</u> PS4: <u>1</u> PS5: <u>1</u> PS6: <u>1</u> Mode10: cer / fadc	Start time (RC GUI): <u>18:31</u> Stop time (RC GUI): <u>18:43</u> ☐ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: ____ k $e-\pi n$ evts: ____	SHMS prescale pretrig: ____ k $\Sigma e-\pi n$ evts: ____	COIN pretrig: ____ k ☐ Data ok ☐ Junk
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Comments:

10nA

PS2 only

993k evts

Run Number: <u>13914</u>	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm	PS1: <u>1</u> PS2: <u>1</u> PS3: <u>1</u> PS4: <u>1</u> PS5: <u>1</u> PS6: <u>1</u> Mode10: cer / fadc	Start time (RC GUI): <u>18:44</u> Stop time (RC GUI): <u>18:53</u> ☐ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: ____ k $e-\pi n$ evts: ____	SHMS prescale pretrig: ____ k $\Sigma e-\pi n$ evts: ____	COIN pretrig: ____ k ☐ Data ok ☐ Junk
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Comments:

10nA

PS4 only. Beam was off for half of run.

Run Number: <u>13915</u>	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm	PS1: <u>1</u> PS2: <u>1</u> PS3: <u>1</u> PS4: <u>1</u> PS5: <u>1</u> PS6: <u>1</u> Mode10: cer / fadc	Start time (RC GUI): <u>18:54</u> Stop time (RC GUI): <u>19:04</u> ☐ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: ____ k $e-\pi n$ evts: ____	SHMS prescale pretrig: ____ k $\Sigma e-\pi n$ evts: ____	COIN pretrig: ____ k ☐ Data ok ☐ Junk
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Comments:

10nA

PS4 only

1.62M evts

Run Number: <u>13916</u>	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm	PS1: <u>1</u> PS2: <u>5</u> PS3: <u>1</u> PS4: <u>2</u> PS5: <u>1</u> PS6: <u>1</u> Mode10: cer / fadc	Start time (RC GUI): <u>19:05</u> Stop time (RC GUI): <u>19:16</u> ☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: ____ k $e-\pi n$ evts: ____	SHMS prescale pretrig: ____ k $\Sigma e-\pi n$ evts: ____	COIN pretrig: ____ k ☐ Data ok ☐ Junk
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Comments:

10nA

PS2,4,

EDTM = 50Hz

1.59M evts

Discarded DAG system at Run End.

$p(e,e'\pi)n$ Run Sheet

can be found at lichen.phys.uregina.ca/~huberg/fpi/

Date: 21/12/12
yy mm dd

Initials: GH

Continuation of Configuration:

EDTM Study
10uA

This sheet is only to be used to continue a running configuration.

Run Number: <u>13918</u>	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm	PS1: <u>-1</u> PS2: <u>5</u> PS3: <u>-1</u> PS4: <u>2</u> PS5: <u>-1</u> PS6: <u>0</u> Mode10: cer / fadc	Start time (RC GUI): <u>19:20</u> Stop time (RC GUI): <u>19:25</u>	☐ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: k <u>e-πn evts:</u>	SHMS prescale pretrig: k <u>Σ e-πn evts:</u>	COIN pretrig: k ☐ Data ok ☐ Junk
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Comments: 10uA PS2,4 EDTM=100 Hz, Run heads say 50 Hz by mistake.
Beam off for half of run.

Run Number: <u>13919</u>	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☒ C 0.5% r.l. ☐ Optics ____cm	PS1: <u>-1</u> PS2: <u>5</u> PS3: <u>-1</u> PS4: <u>2</u> PS5: <u>-1</u> PS6: <u>0</u> Mode10: cer / fadc	Start time (RC GUI): <u>19:26</u> Stop time (RC GUI): <u>19:35</u>	☐ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: k <u>e-πn evts:</u>	SHMS prescale pretrig: k <u>Σ e-πn evts:</u>	COIN pretrig: k ☐ Data ok ☐ Junk
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Comments: 10uA PS2,4 EDTM=100 Hz

Run Number:	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____ Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI):	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: k <u>e-πn evts:</u>	SHMS prescale pretrig: k <u>Σ e-πn evts:</u>	COIN pretrig: k ☐ Data ok ☐ Junk
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Comments:

Run Number:	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____ Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI):	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: k <u>e-πn evts:</u>	SHMS prescale pretrig: k <u>Σ e-πn evts:</u>	COIN pretrig: k ☐ Data ok ☐ Junk
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Comments:

Run Number:	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____ Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI):	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: k <u>e-πn evts:</u>	SHMS prescale pretrig: k <u>Σ e-πn evts:</u>	COIN pretrig: k ☐ Data ok ☐ Junk
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Comments:

Run Number:	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____ Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI):	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: k <u>e-πn evts:</u>	SHMS prescale pretrig: k <u>Σ e-πn evts:</u>	COIN pretrig: k ☐ Data ok ☐ Junk
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Comments:

$p(e,e'\pi)n$ Run Sheet

can be found at lichen.phys.uregina.ca/~huberg/fpi/

Date: 21 / 12 / 12
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

Configuration Name: _____

7.937 GeV Setting #1

Keep-check Singlas - boiling check

E_{beam}: 7.937 GeV

I_{beam}: 30 μ A

Purpose:

- ☐ Production
☐ Test (e.g. DAQ, Detector)
☐ Optics (SHMS / HMS)
☒ Other: Keep

Raster: ☒ On ☐ Off
Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>-0.5</u> mm	<u>0.0</u> mm	
Nomin:		Nomin:
3H07C	X	Y
<u>-0.9</u> mm	<u>-0.3</u> mm	
Nomin:		Nomin:

HMS

SHMS

Q1	I-SET (from PSU) <u>6.77834</u> A B-HALL	I-SET (from PSU) <u>2340.95</u> A B-HALL	HB
Q2	I-SET (from PSU) <u>540.345</u> A B-HALL	I-SET (from PSU) <u>1547.90</u> A B-HALL	Q1
Q3	I-SET (from PSU) <u>262.134</u> A B-HALL	I-SET (from PSU) <u>2587.62</u> A B-HALL	Q2
D	I-READ <u>1624.80</u> A B-NMR	I-SET (from PSU) <u>1702.63</u> A B-HALL	Q3
	I-SET (from PSU) <u>-1.051</u> T B-HALL	I-SET (from PSU) <u>-10.914</u> kg B-HALL	
	I-SET (from PSU) <u>0.528</u> T B-HALL	I-SET (from PSU) <u>24.267</u> kg B-HALL	
	I-SET (from PSU) <u>1.42552</u> T B-NMR	I-SET (from PSU) <u>16.380</u> kg B-HALL	
	If momentum increased: ☒ HMS cycled? ☒ SHMS cycled?	I-SET (from PSU) <u>2340.2</u> A B-NMR	D
		<u>-16.998</u> kg B-NMR	

Run Number:

13920

- ☒ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: -1
PS2: -10
PS3: 0
PS4: 0
PS5: -1
PS6: 0
Mode10: cer / fadc

Start time (RC GUI):

20:50

Stop time (RC GUI):

21:07

☐ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: k

$e-\pi n$ evts:

SHMS prescale
pretrig: k

$\Sigma e-\pi n$ evts:

COIN
pretrig: k

☒ Data ok

☐ Junk

Comments:

30mA, ED TM = 100 Hz, SCALAR Rate 300 Hz

45713 SHMS, 1.49 M evts, 19462 HMS

Run Number:

- ☐ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: _____
PS2: _____
PS3: _____
PS4: _____
PS5: _____
PS6: _____
Mode10: cer / fadc

Start time (RC GUI):

Stop time (RC GUI):

☐ Settings Verified?

☐ HV OK?

☐ 50k OK?

HMS prescale
pretrig: k

$e-\pi n$ evts:

SHMS prescale
pretrig: k

$\Sigma e-\pi n$ evts:

COIN
pretrig: k

☐ Data ok

☐ Junk

Comments:

Run Number:

- ☐ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

PS1: _____
PS2: _____
PS3: _____
PS4: _____
PS5: _____
PS6: _____
Mode10: cer / fadc

Start time (RC GUI):

Stop time (RC GUI):

☐ Settings Verified?

☐ HV OK?

☐ 50k OK?

HMS prescale
pretrig: k

$e-\pi n$ evts:

SHMS prescale
pretrig: k

$\Sigma e-\pi n$ evts:

COIN
pretrig: k

☐ Data ok

☐ Junk

Comments:

Run Number:

- ☐ LH2 10cm
☐ LD2 10cm
☐ Dummy 10cm
☐ C 0.5% r.l.
☐ Optics ____ cm
☐ _____

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PS2: _____
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☐ Data ok

☐ Junk

Comments: