

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

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

Date: 22/08/07
yy mm dd

Initials: BB

Use a separate sheet for each configuration.

Configuration Name:

$Q^2 = 3.85$ $W = 2.62$ $x = 0.39$
high E , SHMS Right AD-

E_{beam} : 10.542 GeV

I_{beam} : 75 μA

HMS

p : ± 5.309
From GUI

$\theta(\text{TV})$: 15.054
Nearest 0.005

15.055°

SHMS

p : ± 5.127
From GUI

$\theta(\text{TV})$: 12.250
Nearest 0.005

12.25°

Collimator:

HMS: Large Sieve ☒

SHMS: Collim Sieve ☒

Purpose:

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

Raster: ☒ On ☐ Off
Size: 2x2

Beam position and angle on target:

3H07A	X	Y
-0.7	mm	-3.0
Nomin:		
3H07C	X	Y
-6.9	mm	-4.9
Nomin:		

HMS

SHMS

Q1	I-SET (from PSU) E691.85 B-HALL ϕ 918(2)	A	I-SET (from PSU) E1712.85 B-HALL 10.813	A	HB
Q2	I-SET (from PSU) E552.01 B-HALL -1.078(2)	A	I-SET (from PSU) E1076.32 B-HALL -7.593	A	Q1
Q3	I-SET (from PSU) E267.48 B-HALL ϕ 539(4)	A	I-SET (from PSU) E1807.88 B-HALL 16.939	A	Q2
D	I-READ E1665.36 B-NMR 1.456	A	I-SET (from PSU) E1189.48 B-HALL 11.481	A	Q3
	If momentum increased: ☒ HMS cycled? ☒ SHMS cycled?		I-SET (from PSU) E1635.48 B-NMR -11.944	A	D

Run Number:

15976

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

PS1: 13
PS2: -1
PS3: -1
PS4: 10
PS5: -1
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

08:03

Stop time (RC GUI):

08:10

☒ 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

Comments:

fadc mode 10

Run Number:

15977

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

PS1: 13
PS2: -1
PS3: -1
PS4: 10
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

08:11

Stop time (RC GUI):

09:10

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 177 k

$e-\pi n$ evts:

16455

SHMS prescale
pretrig: 228 k

$\Sigma e-\pi n$ evts:

16455

COIN pretrig: 227 k

☒ Data ok

☐ Junk

Comments:

$Q = 195.470 \text{ mC}$
 $\Sigma Q = 195.470 \text{ mC}$

Run Number:

15978

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

PS1: 13
PS2: -1
PS3: -1
PS4: 10
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

09:11

Stop time (RC GUI):

09:48

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 110 k

$e-\pi n$ evts:

10281

SHMS prescale
pretrig: 141 k

$\Sigma e-\pi n$ evts:

26736

COIN pretrig: 1412 k

☒ Data ok

☐ Junk

Comments:

$Q = 121.190 \text{ mC}$
 $\Sigma Q = 316.660 \text{ mC}$

Run Number:

15979

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

PS1: 13
PS2: -1
PS3: -1
PS4: 10
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

09:49

Stop time (RC GUI):

10:34

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 146 k

$e-\pi n$ evts:

13926

SHMS prescale
pretrig: 188 k

$\Sigma e-\pi n$ evts:

40662

COIN pretrig: 1869 k

☒ Data ok

☐ Junk

Comments:

$Q = 160.784 \text{ mC}$
 $\Sigma Q = 477.444 \text{ mC}$

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

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Date: 22 / 08 / 07
yy mm dd

Initials: BB

Continuation of Configuration:

$Q^2=3.85$ $W=2.62$ $x=0.39$

high ϵ , SHMS Right LD -

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

Run Number: 15980	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 9 PS2: -1 PS3: -1 PS4: 8 PS5: -1 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 10:47 Stop time (RC GUI): 11:11	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 137 k $e-\pi n$ evts: 298	SHMS prescale pretrig: 153 k $\Sigma e-\pi n$ evts:	COIN pretrig: 30 k ☒ Data ok ☐ Junk
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dummy 10cm

$Q=52.510$ mC

Run Number: 15981	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 10 PS5: 9 PS6: -9 Mode10: cer / fadc	Start time (RC GUI): 11:21 Stop time (RC GUI): 11:41	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 42 k $e-\pi n$ evts: 3909	SHMS prescale pretrig: 53 k $\Sigma e-\pi n$ evts: 44571	COIN pretrig: 531 k ☒ Data ok ☐ Junk
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$Q=45.727$ mC
 $\Sigma Q=523.171$ mC

Run Number: 15982	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 10 PS5: -9 PS6: -9 Mode10: cer / fadc	Start time (RC GUI): 11:42 Stop time (RC GUI): 12:41	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 195 k $e-\pi n$ evts: 18314	SHMS prescale pretrig: 250 k $\Sigma e-\pi n$ evts: 62.885	COIN pretrig: 2519 k ☒ Data ok ☐ Junk
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$Q=213.762$ mC
 $\Sigma Q=736.933$ mC

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

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Date: 22 / 08 / 07
yy mm dd

Initials: BB

Use a separate sheet for each configuration.

15.00
-0.0325

Configuration Name: _____

$Q^2=3.85$ $W=2.62$ $x=0.39$
high E, SHMS center 1D-

E_{beam}: 10.542 GeV

I_{beam}: ~75 μ A

Purpose:

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

Raster: ☒ On ☐ Off
Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>-0.11</u>	mm	<u>-0.29</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>-0.68</u>	mm	<u>-0.47</u> mm
Nomin:		Nomin:

HMS

SHMS

Q1	I-SET (from PSU) E 696.83 A B-HALL $\phi.91(1)$ T	I-SET (from PSU) E 1712.8 A B-HALL 10.81 kg	HB
Q2	I-SET (from PSU) E 552.01 A B-HALL -1.079(1) T	I-SET (from PSU) E 1076.3 A B-HALL -7.59 kg	Q1
Q3	I-SET (from PSU) E 267.46 A B-HALL $\phi.537(2)$ T	I-SET (from PSU) E 1807.88 A B-HALL 16.94 kg	Q2
D	I-READ E 1665.36 A B-NMR 1.4565 T	I-SET (from PSU) 1189.36 A B-HALL 11.48 kg	Q3
	If momentum increased: ☐ HMS cycled? <u>N/A</u> ☐ SHMS cycled? <u>N/A</u>		D
		I-SET (from PSU) 1635.52 A B-NMR -11.94 kg	

Run Number:

15983

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

PS1: 12
PS2: -1
PS3: -1
PS4: 10
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

12:55

Stop time (RC GUI):

12:58

- ☒ 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:

fadc mode 10

Run Number:

15984

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

PS1: 12
PS2: -1
PS3: -1
PS4: 10
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

12:59

Stop time (RC GUI):

13:19

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

HMS prescale
pretrig: 63 k

$e-\pi n$ evts:

5852

SHMS prescale
pretrig: 71 k

$\Sigma e-\pi n$ evts:

5852

COIN pretrig: 393 k

- ☒ Data ok
☐ Junk

Comments:

$Q = 69.306$ mC
 $\Sigma Q = 69.306$ mC

Run Number:

15985

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

PS1: 12
PS2: -1
PS3: -1
PS4: 10
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

13:19

Stop time (RC GUI):

14:19

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

HMS prescale
pretrig: 195 k

$e-\pi n$ evts:

18194

SHMS prescale
pretrig: 220 k

$\Sigma e-\pi n$ evts:

24046

COIN pretrig: 1209 k

- ☒ Data ok
☐ Junk

Comments:

$Q = 214.036$ mC
 $\Sigma Q = 283.342$ mC

Run Number:

15986

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

PS1: 12
PS2: -1
PS3: -1
PS4: 10
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

14:19

Stop time (RC GUI):

15:19

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

HMS prescale
pretrig: 192 k

$e-\pi n$ evts:

17768

SHMS prescale
pretrig: 216 k

$\Sigma e-\pi n$ evts:

41814

COIN pretrig: 1188 k

- ☒ Data ok
☐ Junk

Comments:

75 μ A

$Q = 210.695$ mC
 $\Sigma Q = 494.037$ mC

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

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

Date: 22/08/07
yy mm dd

Initials: BB

Continuation of Configuration:

$Q^2=3.85$ $W=2.62$ $x=0.39$

high ϵ , SHMS Center LD-

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

Run Number: 15987	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>10</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 15:19 Stop time (RC GUI): 16:08	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 136 k $e-\pi n$ evts: 12469	SHMS prescale pretrig: 153 k $\Sigma e-\pi n$ evts: 54283	COIN pretrig: 846 k ☒ Data ok ☐ Junk
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Comments:

75mA

$Q = 149.012 \text{ mC}$
 $\Sigma Q = 643.049 \text{ mC}$

Run Number: 15988	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>10</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 16:09 Stop time (RC GUI): 16:27	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 47 k $e-\pi n$ evts: 4421	SHMS prescale pretrig: 52 k $\Sigma e-\pi n$ evts: 58704	COIN pretrig: 288 k ☒ Data ok ☐ Junk
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Comments:

75mA

$Q = 50.860 \text{ mC}$
 $\Sigma Q = 693.909 \text{ mC}$

Run Number: 15989	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>10</u> PS5: <u>-1</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 16:39 Stop time (RC GUI): 17:21	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 15 k $e-\pi n$ evts: 448	SHMS prescale pretrig: 14 k $\Sigma e-\pi n$ evts: —	COIN pretrig: 41 k ☒ Data ok ☐ Junk
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Comments:

dummy, 40mA

$Q_{\text{dummy}} = 86.366 \text{ mC}$

Run Number: 15990	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>10</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 17:27 Stop time (RC GUI): 17:41	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 38 k $e-\pi n$ evts: 3442	SHMS prescale pretrig: 42 k $\Sigma e-\pi n$ evts: 62146	COIN pretrig: 228 k ☒ Data ok ☐ Junk
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Comments:

75mA

$Q = 41.124 \text{ mC}$
 $\Sigma Q = 735.033 \text{ mC}$

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:

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:

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

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

Use a separate sheet for each configuration.

Date: 22/08/07
yy mm dd

Initials: GH

Configuration Name: _____

$Q^2=3.85$, $W=2.62$, $LD=$
 $\theta_{SHMS}=16.28^\circ$ (left)

E_{beam} : 10.549 GeV

I_{beam} : 75 μA

Purpose:

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

Raster: ☒ On ☐ Off
Size: 2x2

Beam position and angle on target:

3H07A	X	Y
-0.103 mm	-0.310 mm	
Nomin: -0.09	Nomin: -0.3	
3H07C	X	Y
-0.72 mm	-0.504 mm	
Nomin: -0.68	Nomin: -0.49	

HMS

SHMS

Q1	I-SET (from PSU) 691.8380 A B-HALL 0.92100 T	I-SET (from PSU) 1713.3600 A B-HALL 10.813 kg	HB
Q2	I-SET (from PSU) 552.0190 A B-HALL -1.08083 T	I-SET (from PSU) 1076.5100 A B-HALL -7.593 kg	Q1
Q3	I-SET (from PSU) 267.5320 A B-HALL 0.53506 T	I-SET (from PSU) 1808.2000 A B-HALL 16.941 kg	Q2
D	I-READ 1666.7800 A B-NMR 1.4564400 T	I-SET (from PSU) 1189.7800 A B-HALL 11.981 kg	Q3
	If momentum increased: ☐ HMS cycled? ☐ SHMS cycled?		D
		I-SET (from PSU) 1635.8200 A B-NMR -11.944 kg	

Run Number:

15991

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

PS1: 12
PS2: -1
PS3: -1
PS4: 10
PS5: 9
PS6: 2
Mode10: cer / fadc

Start time (RC GUI):

17:45

Stop time (RC GUI):

18:14

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 103 k

SHMS prescale
pretrig: 55 k

COIN pretrig: 333 k

$e-\pi n$ evts:
6208

$\Sigma e-\pi n$ evts:
—

☒ Data ok
☐ Junk

Comments:

75 μA

$Q=112.656 mC$

Run Number:

15992

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

PS1: 11
PS2: -1
PS3: -1
PS4: 10
PS5: 9
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

18:14

Stop time (RC GUI):

18:50

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 126 k

SHMS prescale
pretrig: 134 k

COIN pretrig: 409 k

$e-\pi n$ evts:
7794

$\Sigma e-\pi n$ evts:
14002

☒ Data ok
☐ Junk

Comments:

75 μA

$Q=138.102 mC$

$\Sigma Q=250.758 mC$

Run Number:

15993

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

PS1: 11
PS2: -1
PS3: -1
PS4: 10
PS5: 9
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

18:51:10

Stop time (RC GUI):

18:54:05

☒ Settings Verified?

☒ HV OK?

☐ 50k OK?

HMS prescale
pretrig: k

SHMS prescale
pretrig: k

COIN pretrig: k

$e-\pi n$ evts:

$\Sigma e-\pi n$ evts:

☒ Data ok
☐ Junk

Comments:

fadc mode 10

Run Number:

15994

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

PS1: 11
PS2: -1
PS3: -1
PS4: 10
PS5: 9
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

18:54

Stop time (RC GUI):

19:26

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 103 k

SHMS prescale
pretrig: 110 k

COIN pretrig: 333 k

$e-\pi n$ evts:
6167

$\Sigma e-\pi n$ evts:
20169

☒ Data ok
☐ Junk

Comments:

75 μA

$Q=112.935 mC$

$\Sigma Q=363.693 mC$

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

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

Date: 22/08/07
yy mm dd

Initials: Iu.S.

Continuation of Configuration:

$Q^2=385$, $W=2.62$, $X=0.39$
high E , LD -, SHMS ~~left~~ left

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

Run Number: 15985	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>11</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>10</u> PS5: <u>9</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 19:27 Stop time (RC GUI): 20:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretig: 103 k $e-\pi n$ evts: 6382	SHMS prescale pretig: 109 k $\Sigma e-\pi n$ evts: 26551	COIN pretig: 335 k ☒ Data ok ☐ Junk
Comments: 75mA							
$Q=112.539\text{mc}$ $\Sigma Q=476.232\text{mc}$							

Run Number: 15986	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>11</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>10</u> PS5: <u>9</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 20:00 Stop time (RC GUI): 20:42	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretig: 135 k $e-\pi n$ evts: 8144	SHMS prescale pretig: 144 k $\Sigma e-\pi n$ evts: 34695	COIN pretig: 439 k ☒ Data ok ☐ Junk
Comments: 75mA							
$Q=147.395\text{mc}$ $\Sigma Q=623.627\text{mc}$							

Run Number: 15987	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>11</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>10</u> PS5: <u>9</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 20:43 Stop time (RC GUI): 21:32	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretig: 145 k $e-\pi n$ evts: 8901	SHMS prescale pretig: 154 k $\Sigma e-\pi n$ evts: 43596	COIN pretig: 469 k ☒ Data ok ☐ Junk
Comments: 75mA							
$Q=158.044\text{mc}$ $\Sigma Q=781.671\text{mc}$							

Run Number: 15998	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>11</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>10</u> PS5: <u>9</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 21:33 Stop time (RC GUI): 21:52	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretig: 64 k $e-\pi n$ evts: 3815	SHMS prescale pretig: 67 k $\Sigma e-\pi n$ evts: 47411	COIN pretig: 204 k ☒ Data ok ☐ Junk
Comments: 75mA an issue with SHMS HB. $\rightarrow$ stopped the run							
$Q=89.604\text{mc}$ $\Sigma Q=851.275\text{mc}$							

Run Number: 15999	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>11</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>10</u> PS5: <u>9</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 22:23 Stop time (RC GUI): 23:03	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretig: 138 k $e-\pi n$ evts: 8407	SHMS prescale pretig: 146 k $\Sigma e-\pi n$ evts: 55818	COIN pretig: 446 k ☒ Data ok ☐ Junk
Comments: 75mA							
$Q=150.667\text{mc}$ $\Sigma Q=1001.942\text{mc}$							

Run Number: 16000	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>11</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>10</u> PS5: <u>9</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 23:04 Stop time (RC GUI): 23:34	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretig: 76 k $e-\pi n$ evts: 4744	SHMS prescale pretig: 80 k $\Sigma e-\pi n$ evts: 60562	COIN pretig: 244 k ☒ Data ok ☐ Junk
Comments: 75mA							
$Q=82.450\text{mc}$ $\Sigma Q=1084.392\text{mc}$							

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

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

Date: 22/08/07
yy mm dd

Initials: Iu.S.

Continuation of Configuration:

$Q^2=3.85$, $W=2.62$, $x=0.39$
high ϵ , $LD-$, SHMS left

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

Run Number: <u>16001</u>	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>11</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>10</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>23:40</u> Stop time (RC GUI): <u>00:14</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>12</u> k $e-\pi n$ evts: <u>226</u>	SHMS prescale pretrig: <u>11</u> k $\Sigma e-\pi n$ evts: <u>226</u>	COIN pretrig: <u>28</u> k ☒ Data ok ☐ Junk
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Comments:

dummy, 40 alt

$Q=71,951$ mC
 $\Sigma Q=71,951$ mC

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:

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:

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:

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:

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: