

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

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

Use a separate sheet for each configuration.

Date: 22 / 7 / 4
yy mm dd

Initials: Lu.S.

Configuration Name: _____

$Q^2 = 6, W = 3.19, x = 0.39$
high ϵ , SHMS center.

E_{beam} : 10.54 GeV

I_{beam} : 43 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
-0.089	mm	-0.307
Nomin: -0.09		Nomin: -0.3
3H07C	X	Y
-0.687	mm	-0.501
Nomin: -0.68		Nomin: -0.49

HMS

SHMS

Q1	I-SET (from PSU) <u>312.13</u> B-HALL <u>0.41290</u>	A	I-SET (from PSU) <u>2748.520</u> B-HALL <u>-17.371</u>	A	HB
Q2	I-SET (from PSU) <u>248.32</u> B-HALL <u>-0.46513</u>	A	I-SET (from PSU) <u>1696.700</u> B-HALL <u>12.036</u>	A	Q1
Q3	I-SET (from PSU) <u>120.8960</u> B-HALL <u>0.23837</u>	A	I-SET (from PSU) <u>2833.800</u> B-HALL <u>-26.707</u>	A	Q2
D	I-SET (from PSU) <u>734.100</u> B-NMR <u>0.6564460</u>	A	I-SET (from PSU) <u>1864.6100</u> B-HALL <u>-17.895</u>	A	Q3
	If momentum increased: ☐ HMS cycled? ☒ SHMS cycled?		I-SET (from PSU) <u>2563.6500</u> B-NMR <u>18.546</u>		D

HMS

p : +2.398 θ (TV): 28.175°
From GUI Nearest 0.005

SHMS

p : -8.0350 θ (TV): 76.50°
From GUI Nearest 0.005

Collimator:

HMS: Large ☒ Sieve ☐

SHMS: Collim ☒ Sieve ☐

Run Number:

15337

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

PS1: 12
PS2: -1
PS3: -1
PS4: 5
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

18:15

Stop time (RC GUI):

19:15

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

HMS prescale
pretrig: 222 k

$e-\pi n$ evts:

572

SHMS prescale
pretrig: 211 k

$\Sigma e-\pi n$ evts:

572

COIN
pretrig: 82 k

- ☒ Data ok
☐ Junk

Comments:

$Q = 111.906 \text{ mC}$

Run Number:

15338

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

PS1: 12
PS2: -1
PS3: -1
PS4: 5
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

19:16

Stop time (RC GUI):

19:19

- ☒ 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:

mode 10

Run Number:

15339

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

PS1: 12
PS2: -1
PS3: -1
PS4: 5
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

19:20

Stop time (RC GUI):

20:17

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

HMS prescale
pretrig: 193 k

$e-\pi n$ evts:

539

SHMS prescale
pretrig: 183 k

$\Sigma e-\pi n$ evts:

1111

COIN
pretrig: 74 k

- ☒ Data ok
☐ Junk

Comments:

The beam was gone, so I stopped 5 min earlier.

$Q = 944.345 \text{ mC}$
 $\Sigma Q = 209.251 \text{ mC}$

Run Number:

15340

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

PS1: 12
PS2: -1
PS3: -1
PS4: 5
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

20:53

Stop time (RC GUI):

21:55

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

HMS prescale
pretrig: 239 k

$e-\pi n$ evts:

623

SHMS prescale
pretrig: 227 k

$\Sigma e-\pi n$ evts:

1734

COIN
pretrig: 87 k

- ☒ Data ok
☐ Junk

Comments:

$Q = 120.612 \text{ mC}$
 $\Sigma Q = 329.863 \text{ mC}$

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

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

Date: 22/7/4
yy mm dd

Initials: Lu.S.

Continuation of Configuration:

$Q^2 = 6.00$, $W = 3.19$, $x = 0.39$
high ϵ , SHMS center

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

Run Number: 15341	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>21:56</u> Stop time (RC GUI): <u>22:52</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>210</u> k $e-\pi n$ evts: <u>558</u>	SHMS prescale pretrig: <u>201</u> k $\Sigma e-\pi n$ evts: <u>2292</u>	COIN pretrig: <u>78</u> k ☒ Data ok ☐ Junk
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Comments: The beam was gone, so I stopped the run.

$Q = 106.577$ mC
 $\Sigma Q = 436.44$ mC

Run Number: 15342	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>22:54</u> Stop time (RC GUI): <u>23:54</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>253</u> k $e-\pi n$ evts: <u>640</u>	SHMS prescale pretrig: <u>242</u> k $\Sigma e-\pi n$ evts: <u>2932</u>	COIN pretrig: <u>90</u> k ☒ Data ok ☐ Junk
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$Q = 128.044$ mC
 $Q_T = 564.484$ mC

Run Number: 15343	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>23:55</u> Stop time (RC GUI): <u>00:55</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>238</u> k $e-\pi n$ evts: <u>647</u>	SHMS prescale pretrig: <u>228</u> k $\Sigma e-\pi n$ evts: <u>3579</u>	COIN pretrig: <u>87</u> k ☒ Data ok ☐ Junk
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$Q = 120.905$ mC
 $Q_T = 685.389$ mC

Run Number: 15344	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>00:55</u> 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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Stopped the run SHMS Q_2 - fluctuating He+ LN2 levels

Run Number: 15345	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>02:02</u> Stop time (RC GUI): <u>03:00</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>198</u> k $e-\pi n$ evts: <u>572</u>	SHMS prescale pretrig: <u>188</u> k $\Sigma e-\pi n$ evts: <u>4151</u>	COIN pretrig: <u>76</u> k ☒ Data ok ☐ Junk
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$Q = 99.865$ mC
 $Q_T = 785.254$ mC

Run Number: 15346	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>03:01</u> Stop time (RC GUI): <u>04:01</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>232</u> k $e-\pi n$ evts: <u>604</u>	SHMS prescale pretrig: <u>221</u> k $\Sigma e-\pi n$ evts: <u>4755</u>	COIN pretrig: <u>85</u> k ☒ Data ok ☐ Junk
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$Q = 117.328$ mC
 $Q_T = 902.582$ mC

p(e,e' π)n Run Sheet

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

Date: 22, 7, 5
yy mm dd

Initials: KAA

Continuation of Configuration:

$Q^2 = 6$, $W = 3.19$, $x = 0.39$
high E , SHMS center

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

Run Number: 15347	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 04:01 Stop time (RC GUI): 05:06	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 195 k $e-\pi n$ evts: 532	SHMS prescale pretrig: 185 k $\Sigma e-\pi n$ evts: 5287	COIN pretrig: 79 k ☒ Data ok ☐ Junk
Comments: $Q = 98.529 \text{ mC}$ $Q_T = 1001.111 \text{ mC}$							

Run Number: 15348	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 05:07 Stop time (RC GUI): 06:07	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 90 k $e-\pi n$ evts: 227	SHMS prescale pretrig: 81 k $\Sigma e-\pi n$ evts: 5514	COIN pretrig: 52 k ☒ Data ok ☐ Junk
Comments: $Q = 44.483 \text{ mC}$ $Q_T = 1045.594 \text{ mC}$							

Run Number: 15349	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 6 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 06:07 Stop time (RC GUI):	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 184 k $e-\pi n$ evts: 509	SHMS prescale pretrig: 175 k $\Sigma e-\pi n$ evts: 6023	COIN pretrig: 74 k ☒ Data ok ☐ Junk
Comments: $Q = 93.036 \text{ mC}$ $Q_T = 1138.630 \text{ mC}$							

Run Number: 15350	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: 7 PS4: -1 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 07:08 Stop time (RC GUI): 08:13:54	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts: 598	SHMS prescale pretrig: 214 k $\Sigma e-\pi n$ evts: 6621	COIN pretrig: 86 k ☒ Data ok ☐ Junk
Comments: $Q = 113.519 \text{ mC}$ $\Sigma Q = 1252.149 \text{ mC}$							

Run Number: 15351	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 08:14:58 Stop time (RC GUI): 09:15:57	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 191 k $e-\pi n$ evts: 521	SHMS prescale pretrig: 182 k $\Sigma e-\pi n$ evts: 7142	COIN pretrig: 76 k ☒ Data ok ☐ Junk
Comments: $Q = 96.790 \text{ mC}$ $\Sigma Q = 1348.939 \text{ mC}$							

Run Number: 15352	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 09:16:36 Stop time (RC GUI): 10:30:23	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 205 k $e-\pi n$ evts: 484	SHMS prescale pretrig: 195 k $\Sigma e-\pi n$ evts: 7626	COIN pretrig: 87 k ☒ Data ok ☐ Junk
Comments: $Q = 103.539$ $\Sigma Q = 1452.478$							

p(e,e' π)n Run Sheet

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

Date: 22/07/05
yy mm dd

Initials: Jm

Continuation of Configuration:

$Q^2 = 6.00, W = 3.19, x = 0.39$
High E SHMS Center

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

Run Number: 15353	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: ccr / fadc	Start time (RC GUI): 10:31:01 Stop time (RC GUI): 11:33:08	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 159 k $e-\pi n$ evts: 410	SHMS prescale pretrig: 149 k $\Sigma e-\pi n$ evts: 8036	COIN pretrig: 70 k ☒ Data ok ☐ Junk
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$Q = 79.822 \text{ mC}$
 $\Sigma Q = 1532.30 \text{ mC}$ Combined $\Rightarrow 8165 \text{ } \pi n$

Run Number: 15354	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: ccr / fadc	Start time (RC GUI): 11:33:42 Stop time (RC GUI): 12:35:03	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 199 k $e-\pi n$ evts: 549	SHMS prescale pretrig: 189 k $\Sigma e-\pi n$ evts: 8707	COIN pretrig: 78 k ☒ Data ok ☐ Junk
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* Binning Changed;
 SHMS & widened from -10 to -15
 $Q = 101.017 \text{ mC}$
 $\Sigma Q = 1633.317 \text{ mC}$

Run Number: 15355	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: ccr / fadc	Start time (RC GUI): 12:35:44 Stop time (RC GUI): 13:35:49	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 166 k $e-\pi n$ evts: 473	SHMS prescale pretrig: 156 k $\Sigma e-\pi n$ evts: 9180	COIN pretrig: 70 k ☒ Data ok ☐ Junk
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$Q = 83.714 \text{ mC}$
 $\Sigma Q = 1717.031 \text{ mC}$

Run Number: 15356	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: ccr / fadc	Start time (RC GUI): 13:36:36 Stop time (RC GUI): 14:18:36	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 148 k $e-\pi n$ evts: 136	SHMS prescale pretrig: 44 k $\Sigma e-\pi n$ evts: 9316	COIN pretrig: 35 k ☒ Data ok ☐ Junk
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$Q = 23.55 \text{ mC}$
 $\Sigma Q = 1740.585 \text{ mC}$
 No beam for a while

Run Number: 15357	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: ccr / fadc	Start time (RC GUI): 14:19:35 Stop time (RC GUI): 15:23:50	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 156 k $e-\pi n$ evts: 437	SHMS prescale pretrig: 145 k $\Sigma e-\pi n$ evts: 9753	COIN pretrig: 69 k ☒ Data ok ☐ Junk
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$Q = 78.763 \text{ mC}$
 $\Sigma Q = 1819.348 \text{ mC}$
 ~ 15 first min had beam

Run Number: 15358	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: ccr / fadc	Start time (RC GUI): 15:24:31 Stop time (RC GUI):	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 169 k $e-\pi n$ evts: 454	SHMS prescale pretrig: 160 k $\Sigma e-\pi n$ evts: 10207	COIN pretrig: 70 k ☒ Data ok ☐ Junk
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$Q_{\text{tot}} = 1904.977$
 454 pions SHMS
 $Q = 85.629$

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

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

Date: 22/07/05
yy mm dd

Initials: SAS

Continuation of Configuration:

$Q^2 = 6.00$, $W = 3.19$, $x = 0.39$

high E, SHMS Center

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

Run Number: 15359	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: per / fadc	Start time (RC GUI): 4:24:51 Stop time (RC GUI):	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 205 k $e-\pi n$ evts: 548	SHMS prescale pretrig: 196 k $\Sigma e-\pi n$ evts: 10755	COIN pretrig: 80 k ☒ Data ok ☐ Junk
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$Q = 103.909$ mC
 $Q_{tot} = 2008.186$

Run Number: 15360	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: per / fadc	Start time (RC GUI): 5:26:33 Stop time (RC GUI):	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 238 k $e-\pi n$ evts: 622	SHMS prescale pretrig: 228 k $\Sigma e-\pi n$ evts: 11377	COIN pretrig: 88 k ☒ Data ok ☐ Junk
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$Q = 120.889$ mC
 $Q_{tot} = 2129.775$

Run Number: 15361	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: per / fadc	Start time (RC GUI): 6:30:05 Stop time (RC GUI):	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 188 k $e-\pi n$ evts: 485	SHMS prescale pretrig: 181 k $\Sigma e-\pi n$ evts: 11862	COIN pretrig: 78 k ☒ Data ok ☐ Junk
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$Q = 95.746$ mC
 $Q_{tot} = 2225.581$

Run Number: 15362	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: per / fadc	Start time (RC GUI): 7:34:40 Stop time (RC GUI):	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 155 k $e-\pi n$ evts: 384	SHMS prescale pretrig: 146 k $\Sigma e-\pi n$ evts: 12246	COIN pretrig: 69 k ☒ Data ok ☐ Junk
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First 25k evts ran @ 20 μ A following readback failure on raster and reset of GUI (to check 50k raster)

$Q = 78.060$ mC
 $Q_{tot} = 2303.581$ mC

Run Number: 15363	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: per / fadc	Start time (RC GUI): 8:38 Stop time (RC GUI):	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 239 k $e-\pi n$ evts: 601	SHMS prescale pretrig: 229 k $\Sigma e-\pi n$ evts: 12847	COIN pretrig: 88 k ☒ Data ok ☐ Junk
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$Q = 121.432$ mC
 $Q_{tot} = 2425.013$ mC

Run Number: 15364	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: per / fadc	Start time (RC GUI): 9:41:30 Stop time (RC GUI):	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 300 k $e-\pi n$ evts: 857	SHMS prescale pretrig: 289 k $\Sigma e-\pi n$ evts: 13575	COIN pretrig: 107 k ☒ Data ok ☐ Junk
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$Q = 152.865$ mC
 $Q_{tot} = 2577.878$ mC

p(e,e' π)n Run Sheet

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

Date: 22/07/05
yy mm dd

Initials: JH

Continuation of Configuration:

$Q^2=6.00$, $W=3.19$, $x=0.39$

high Σ , SHMS center

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

Run Number: 15365	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 10:56:56 Stop time (RC GUI): _____	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 202 k $e-\pi n$ evts: 525	SHMS prescale pretrig: 194 k $\Sigma e-\pi n$ evts: 14100	COIN pretrig: 78 k ☒ Data ok ☐ Junk
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$Q=102.597$
 $Q_T=2680.475$

Run Number: 15366	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 11:55:45 Stop time (RC GUI): 0:57	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 222 k $e-\pi n$ evts: 608	SHMS prescale pretrig: 214 k $\Sigma e-\pi n$ evts: 14708	COIN pretrig: 84 k ☒ Data ok ☐ Junk
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$Q=112.990$
 $Q_T=2793.465$

Run Number: 15367	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 5 PS6: 5 Mode10: cer / fadc	Start time (RC GUI): 0:57 Stop time (RC GUI): 2:01	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 217 k $e-\pi n$ evts: 609	SHMS prescale pretrig: 207 k $\Sigma e-\pi n$ evts: 15301	COIN pretrig: 83 k ☒ Data ok ☐ Junk
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$Q=110.141$
 $Q_T=2903.606$

Run Number: 15368	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: 2 Mode10: cer / fadc	Start time (RC GUI): 2:01 Stop time (RC GUI): 3:01	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 127 k $e-\pi n$ evts: 331	SHMS prescale pretrig: 121 k $\Sigma e-\pi n$ evts: 15632	COIN pretrig: 62 k ☒ Data ok ☐ Junk
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$Q=64.118$
 $Q_T=2967.724$

Run Number: 15369	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 3:01 Stop time (RC GUI): 4:06	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 248 k $e-\pi n$ evts: 646	SHMS prescale pretrig: 240 k $\Sigma e-\pi n$ evts: 16278	COIN pretrig: 92 k ☒ Data ok ☐ Junk
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$Q=126.444$
 $Q_T=3094.164$

Run Number: 15370	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: 2 Mode10: cer / fadc	Start time (RC GUI): 4:07 Stop time (RC GUI): 5:26	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 300 k $e-\pi n$ evts: 794	SHMS prescale pretrig: 289 k $\Sigma e-\pi n$ evts: 17072	COIN pretrig: 112 k ☒ Data ok ☐ Junk
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$Q=152.789$
 $Q_T=3246.953$

p(e,e' π)n Run Sheet

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

Date: 22/08/66
yy mm dd

Initials: NH

Continuation of Configuration:

$Q = 6.00, W = 2.19, X = 0.39$

high E, SHMS center

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

Run Number: 15371	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: 1 PS3: 1 PS4: 5 PS5: 0 PS6: 1 Mode10: cer / fadc	Start time (RC GUI): 5:26 Stop time (RC GUI): 6:32	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 261 k $e-\pi n$ evts: 733	SHMS prescale pretrig: 252 k $\Sigma e-\pi n$ evts: 17805	COIN pretrig: 96 k ☒ Data ok ☐ Junk
Comments: $Q = 132.967$ $Q_T = 3379.920$							

Run Number: 15372	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: 1 PS3: 1 PS4: 5 PS5: 0 PS6: 1 Mode10: cer / fadc	Start time (RC GUI): 6:32 Stop time (RC GUI): 7:26	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 213 k $e-\pi n$ evts: 563	SHMS prescale pretrig: 206 k $\Sigma e-\pi n$ evts: 18368	COIN pretrig: 79 k ☒ Data ok ☐ Junk
Comments: $Q = 108.279$ $Q_T = 3488.199$							

Run Number: 15373	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: 1 PS3: 1 PS4: 5 PS5: 0 PS6: 1 Mode10: cer / fadc	Start time (RC GUI): 6:00 Stop time (RC GUI): 6:21	☒ 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 occurred on July 7 / Varying current							

Run Number: 15374	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 11 PS2: 1 PS3: 1 PS4: 5 PS5: 0 PS6: 1 Mode10: cer / fadc	Start time (RC GUI): 7:46 Stop time (RC GUI): 8:55	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts: 21	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☒ Data ok ☐ Junk
Comments:							

Run Number: 15375	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: 1 PS3: 1 PS4: 5 PS5: 0 PS6: 1 Mode10: cer / fadc	Start time (RC GUI): 9:12 Stop time (RC GUI): 10:12	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts: 304	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts: 18,672	COIN pretrig: k ☒ Data ok ☐ Junk
Comments: run starts at 25 μ A, some periods of 40 μ A, then 25 μ A							

Run Number: 15376	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: 1 PS3: 1 PS4: 5 PS5: 0 PS6: 1 Mode10: cer / fadc	Start time (RC GUI): 10:14 Stop time (RC GUI): 10:33	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts: 58	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts: 18,730	COIN pretrig: k ☒ Data ok ☐ Junk
Comments: beam very unstable - more off than on during this run							

p(e,e' π)n Run Sheet

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

Date: 22 / 07 / 07
yy mm dd

Initials: *TH*

Continuation of Configuration:

$Q = 6.00$, $W = 3.19$, $x = 0.39$

$4\mu\text{A}$ E, SHMS control

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

$Q = 6.827 \text{ mC}$

Run Number: 15377	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 8 PS2: -1 PS3: -1 PS4: 1 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 20:22 Stop time (RC GUI): 20:35	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: 52 k $e-\pi n$ evts: 2	SHMS prescale pretrig: 40 k $\Sigma e-\pi n$ evts:	COIN pretrig: 8 k ☒ Data ok ☐ Junk
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Started dummy run at $10\mu\text{A}$, then $15\mu\text{A}$, then $20\mu\text{A}$, stopped the run to change prescalers

Run Number: 15378	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 9 PS2: -1 PS3: -1 PS4: 2 PS5: -1 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 20:36 Stop time (RC GUI): 20:57	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 126 k $e-\pi n$ evts: 9	SHMS prescale pretrig: 79 k $\Sigma e-\pi n$ evts:	COIN pretrig: 13 k ☒ Data ok ☐ Junk
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started at $20\mu\text{A}$, then went up to $25\mu\text{A}$, then up to $30\mu\text{A}$, stopped the run to change the prescalers $Q = 26.570 \text{ mC}$

Run Number: 15379	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 9 PS2: -1 PS3: -1 PS4: 3 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 20:58 Stop time (RC GUI): 21:25	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 107 k $e-\pi n$ evts: 15	SHMS prescale pretrig: 113 k $\Sigma e-\pi n$ evts:	COIN pretrig: 17 k ☒ Data ok ☐ Junk
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started at $30\mu\text{A}$, went up to $35\mu\text{A}$ at the end of the run stopped the run to change the prescalers. $Q = 37.485 \text{ mC}$

Run Number: 15380	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 21:26 Stop time (RC GUI): 22:25	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 127 k $e-\pi n$ evts: 23	SHMS prescale pretrig: 122 k $\Sigma e-\pi n$ evts:	COIN pretrig: 39 k ☒ Data ok ☐ Junk
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started at $35\mu\text{A}$, then went up to $40\mu\text{A}$, then went back to $35\mu\text{A}$. $Q = 80.097 \text{ mC}$

Run Number: 15381	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 22:31 Stop time (RC GUI): 23:31	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 162 k $e-\pi n$ evts: 36	SHMS prescale pretrig: 158 k $\Sigma e-\pi n$ evts:	COIN pretrig: 39 k ☒ Data ok ☐ Junk
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$35\mu\text{A}$. $Q = 103.398 \text{ mC}$

Run Number: 15382	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 23:32 Stop time (RC GUI): 00:12	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: 31 k $e-\pi n$ evts: 7	SHMS prescale pretrig: 28 k $\Sigma e-\pi n$ evts:	COIN pretrig: 29 k ☐ Data ok ☐ Junk
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$35\mu\text{A}$.

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

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

Date: 22 / 07 / 08
yy mm dd

Initials: BD

Continuation of Configuration:

$Q = 6$, $W = 3.18$, $X = 0.39$

high E, SHMS centre

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

Run Number: 15383	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm	PS1: 10 PS2: -1 PS3: -1 PS4: 8 PS5: -1 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 24:51 Stop time (RC GUI): 1:23	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 130 k pretrig: $e-\pi n$ evts: 32	SHMS prescale 126 k pretrig: $\Sigma e-\pi n$ evts:	COIN pretrig: 38 k ☒ Data ok ☐ Junk
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Run Number: 15384	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm	PS1: 10 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 1:31 Stop time (RC GUI): 2:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 1570 k pretrig: $e-\pi n$ evts: 215	SHMS prescale 349 k pretrig: $\Sigma e-\pi n$ evts: 18583	COIN pretrig: 3 k ☒ Data ok ☐ Junk
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$\frac{1}{2}$ starts from Run 15372
 $Q_T = 3535.749$

$Q = 47.550$

Run Number: 15385	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm	PS1: 10 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 2:01 Stop time (RC GUI): 3:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 179 k pretrig: $e-\pi n$ evts: 499	SHMS prescale 668 k pretrig: $\Sigma e-\pi n$ evts: 19077	COIN pretrig: 68 k ☒ Data ok ☐ Junk
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$Q_T = 3627.932$

$Q = 92.183$

Run Number: 15386	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm	PS1: 10 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 3:01 Stop time (RC GUI): 3:59	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 180 k pretrig: $e-\pi n$ evts: 485	SHMS prescale 669 k pretrig: $\Sigma e-\pi n$ evts: 19562	COIN pretrig: 69 k ☒ Data ok ☐ Junk
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$Q_T = 3725.197$

$Q = 97.265$

Run Number: 15387	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm	PS1: 10 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 4:00 Stop time (RC GUI): 5:01	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 180 k pretrig: $e-\pi n$ evts: 500	SHMS prescale 669 k pretrig: $\Sigma e-\pi n$ evts: 20062	COIN pretrig: 69 k ☒ Data ok ☐ Junk
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$Q_T = 3817.271$

$Q = 92.092$

Run Number: 15388	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm	PS1: 10 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 5:02 Stop time (RC GUI): 6:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 186 k pretrig: $e-\pi n$ evts: 504	SHMS prescale 695 k pretrig: $\Sigma e-\pi n$ evts: 20566	COIN pretrig: 69 k ☒ Data ok ☐ Junk
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$Q_T = 3912.88$

$Q = 95.609$

p(e,e' π)n Run Sheet

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

Date: 22/07/08
yy mm dd

Initials: BD

Continuation of Configuration:

$Q = 6$, $W = 3.18$, $X = 0.39$

high ϵ , SHMS Centre

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

Run Number: 15389	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 6:09 Stop time (RC GUI): 7:07	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 181 k $e-\pi n$ evts: 501	SHMS prescale pretrig: 679 k $\Sigma e-\pi n$ evts: 21067	COIN pretrig: 67 k ☒ Data ok ☐ Junk
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$Q_T = 4005.701$

$Q = 92.821$

Run Number: 15390	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 7:08 Stop time (RC GUI): 8:14	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 207 k $e-\pi n$ evts: 558	SHMS prescale pretrig: 774 k $\Sigma e-\pi n$ evts: 21626	COIN pretrig: 78 k ☒ Data ok ☐ Junk
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$Q_T = 4074.692$

$Q = 68.991$

Run Number: 15391	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 8:15 Stop time (RC GUI): 9:15	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 185 k $e-\pi n$ evts: 498	SHMS prescale pretrig: 690 k $\Sigma e-\pi n$ evts: 22124	COIN pretrig: 69 k ☒ Data ok ☐ Junk
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$Q_T = 4169.641$

$Q = 94.949$

Run Number: 15392	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 9:15 Stop time (RC GUI): 10:20	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 142 k $e-\pi n$ evts: 387	SHMS prescale pretrig: 526 k $\Sigma e-\pi n$ evts: 22511	COIN pretrig: 65 k ☒ Data ok ☐ Junk
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$Q_T = 4241.935$

$Q = 72.294$

Run Number: 15393	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 10:20 Stop time (RC GUI): 11:29	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 8 k $e-\pi n$ evts: 15	SHMS prescale pretrig: 17 k $\Sigma e-\pi n$ evts: 22526	COIN pretrig: 41 k ☒ Data ok ☐ Junk
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not much beam

$Q_T = 4245.54$

$Q = 2.605$

Run Number: 15394	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 11:29 Stop time (RC GUI): 12:45	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 86 k $e-\pi n$ evts: 241	SHMS prescale pretrig: 309 k $\Sigma e-\pi n$ evts: 22767	COIN pretrig: 60 k ☒ Data ok ☐ Junk
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$Q_T = 4288.446$

$Q = 42.906$

p(e,e' π)n Run Sheet

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

Date: 22, 7, 8
yy mm dd

Initials: Rm

Continuation of Configuration:

$$Q^2 = 6 \quad W = 3.18 \quad X = .39$$

high ϵ , SHMS centre

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

Run Number: 15395	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>10</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>12:45</u> Stop time (RC GUI): <u>12:43</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>146</u> k pretrig: e- π n evts: <u>385</u>	SHMS prescale <u>540</u> k pretrig: Σ e- π n evts: <u>23152</u>	COIN pretrig: <u>60</u> k ☒ Data ok ☐ Junk
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$$Q_T = 4362.961$$

$$Q = 74.515$$

Run Number: 15396	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>10</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>12:43</u> Stop time (RC GUI):	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>193</u> k pretrig: e- π n evts: <u>511</u>	SHMS prescale <u>722</u> k pretrig: Σ e- π n evts: <u>23663</u>	COIN pretrig: <u>73</u> k ☒ Data ok ☐ Junk
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$$Q_T = 4461.957$$

$$Q = 98.996$$

Run Number: 15397	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>14:45</u> Stop time (RC GUI): <u>15:45</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>266</u> k pretrig: e- π n evts: <u>484</u>	SHMS prescale <u>309</u> k pretrig: Σ e- π n evts: <u>24147</u>	COIN pretrig: <u>66</u> k ☒ Data ok ☐ Junk
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Decide to increase ps1 to keep T1 rate below ~100

$$Q_T = 4546.547 \quad Q = 84.59$$

Run Number: 15382	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>15:45</u> Stop time (RC GUI): <u>15:48</u>	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale ____ k pretrig: e- π n evts: ____	SHMS prescale ____ k pretrig: Σ e- π n evts: ____	COIN pretrig: ____ k ☐ Data ok ☒ Junk
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Beam OFF, will be down ~ 1 hour

Run Number: 15398	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>16:55</u> Stop time (RC GUI): <u>17:56</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>203</u> k pretrig: e- π n evts: <u>608</u>	SHMS prescale <u>218</u> k pretrig: Σ e- π n evts: <u>24755</u>	COIN pretrig: <u>81</u> k ☒ Data ok ☐ Junk
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$$Q_T = 4664.5$$

$$Q = 118$$

Run Number: 15400	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>17:57</u> Stop time (RC GUI): <u>18:59</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>203</u> k pretrig: e- π n evts: <u>545</u>	SHMS prescale <u>194</u> k pretrig: Σ e- π n evts: <u>25300</u>	COIN pretrig: <u>77</u> k ☒ Data ok ☐ Junk
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$$Q_T = 4769.09$$

$$Q = 104.53$$

p(e,e' π)n Run Sheet

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

Date: 22 / 7 / 8
yy mm dd

Initials: H.M.

Continuation of Configuration:

$Q^2 = 6$, $W = 2.8$, $X = 0.39$
high ε , SHMS centre

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

Run Number: 15401	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 19:00 Stop time (RC GUI): 20:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 172 k $e-\pi n$ evts: 493	SHMS prescale pretrig: 162 k $\Sigma e-\pi n$ evts: 25793	COIN pretrig: 69 k ☒ Data ok ☐ Junk
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$Q_T = 4856.87$

$Q = 87.782$

Run Number: 15402	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 20:00 Stop time (RC GUI): 21:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 174 k $e-\pi n$ evts: 488	SHMS prescale pretrig: 165 k $\Sigma e-\pi n$ evts: 26281	COIN pretrig: 70 k ☒ Data ok ☐ Junk
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$Q_T = 4946.16$

$Q = 89.298$

Run Number: 15403	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 21:00 Stop time (RC GUI): 22:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 169 k $e-\pi n$ evts: 433	SHMS prescale pretrig: 160 k $\Sigma e-\pi n$ evts: 26714	COIN pretrig: 68 k ☒ Data ok ☐ Junk
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$Q_T = 5032.61$

$Q = 86.45$

Run Number: 15404	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 22:00 Stop time (RC GUI): 22:40	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 106 k $e-\pi n$ evts: 287	SHMS prescale pretrig: 100 k $\Sigma e-\pi n$ evts: 27001	COIN pretrig: 44 k ☒ Data ok ☐ Junk
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$Q_T = 5096.80$
~~5036.90~~

$Q = 64.29$

Run Number: 15405	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 22:56 Stop time (RC GUI): 23:56	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 148 k $e-\pi n$ evts: 411	SHMS prescale pretrig: 140 k $\Sigma e-\pi n$ evts: 27912	COIN pretrig: 69 k ☒ Data ok ☐ Junk
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$Q_T = 5172.665$

$Q = 75.765$

Run Number: 15406	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 23:56 Stop time (RC GUI): 00:55	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 237 k $e-\pi n$ evts: 634	SHMS prescale pretrig: 228 k $\Sigma e-\pi n$ evts: 28096	COIN pretrig: 82 k ☒ Data ok ☐ Junk
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$Q_T = 5295.097$

$Q = 122.429$

p(e,e' π)n Run Sheet

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

Date: 22 / 7 / 9
yy mm dd

Initials: BD

Continuation of Configuration:

$\theta = 6$, $W = 3.19$, $X = 39$

high ϵ , SHMS centre

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

Run Number: 15407	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>00:55</u> Stop time (RC GUI): <u>1:59</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>135</u> k $e-\pi n$ evts: <u>374</u>	SHMS prescale pretrig: <u>125</u> k $\Sigma e-\pi n$ evts: <u>28420</u>	COIN pretrig: <u>60</u> k ☒ Data ok ☐ Junk
$Q_T = 5363.788$ $Q = 68.699$							

Run Number: 15408	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>1:55</u> Stop time (RC GUI): <u>2:51</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>134</u> k $e-\pi n$ evts: <u>361</u>	SHMS prescale pretrig: <u>126</u> k $\Sigma e-\pi n$ evts: <u>28781</u>	COIN pretrig: <u>59</u> k ☒ Data ok ☐ Junk
$Q_T = 5432.441$ $Q = 68.653$							

Run Number: 15409	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>4:33</u> Stop time (RC GUI): <u>4:42</u>	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: ____ k $e-\pi n$ evts: <u>0</u>	SHMS prescale pretrig: ____ k $\Sigma e-\pi n$ evts: ____	COIN pretrig: ____ k ☐ Data ok ☒ Junk
JUNK							

Run Number: 15410	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>4:54</u> Stop time (RC GUI): <u>5:18</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>38</u> k $e-\pi n$ evts: <u>94</u>	SHMS prescale pretrig: <u>35</u> k $\Sigma e-\pi n$ evts: <u>28875</u>	COIN pretrig: <u>21</u> k ☒ Data ok ☐ Junk
short run $Q_T = 5451.861$ $Q = 19.42$							

Run Number: 15411	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>5:21</u> Stop time (RC GUI): <u>6:20</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>192</u> k $e-\pi n$ evts: <u>539</u>	SHMS prescale pretrig: <u>182</u> k $\Sigma e-\pi n$ evts: <u>29414</u>	COIN pretrig: <u>72</u> k ☒ Data ok ☐ Junk
$Q_T = 5550.669$ $Q = 98.808$							

Run Number: 15412	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>6:20</u> Stop time (RC GUI): <u>7:19</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>222</u> k $e-\pi n$ evts: <u>621</u>	SHMS prescale pretrig: <u>213</u> k $\Sigma e-\pi n$ evts: <u>30035</u>	COIN pretrig: <u>79</u> k ☒ Data ok ☐ Junk
$Q_T = 5665.236$ $Q = 114.567$							

p(e,e'π)n Run Sheet

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

Date: 22 / 7 / 9
yy mm dd

Initials: BJ

Continuation of Configuration:

$Q=6$, $W=3.19$, $X=0.39$,
high E, SHMS centre

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

Run Number: 15413	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 7:19 Stop time (RC GUI): 8:22	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 214 k $e-\pi n$ evts: 568	SHMS prescale pretrig: 204 k $\Sigma e-\pi n$ evts: 30603	COIN pretrig: 80 k ☒ Data ok ☐ Junk
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$Q=109.976$ $\Sigma Q=5775.212$

Run Number: 15414	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 8:23 Stop time (RC GUI): 9:23	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 203 k $e-\pi n$ evts: 535	SHMS prescale pretrig: 143 k $\Sigma e-\pi n$ evts: 31138	COIN pretrig: 76 k ☒ Data ok ☐ Junk
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$Q=103.879$ $\Sigma Q=5879.091$

Run Number: 15415	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 09:35 Stop time (RC GUI): 10:39	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 241 k $e-\pi n$ evts: 650	SHMS prescale pretrig: 230 k $\Sigma e-\pi n$ evts: 31788	COIN pretrig: 87 k ☒ Data ok ☐ Junk
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$Q=123.776$ $\Sigma Q=6002.867$

Run Number: 15416	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 10:40 Stop time (RC GUI): 11:42	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 219 k $e-\pi n$ evts: 586	SHMS prescale pretrig: 210 k $\Sigma e-\pi n$ evts: 32374	COIN pretrig: 81 k ☒ Data ok ☐ Junk
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$Q=112.874$ $\Sigma Q=6115.741$

Run Number: 15417	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 11:43 Stop time (RC GUI): 12:42	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 179 k $e-\pi n$ evts: 488	SHMS prescale pretrig: 169 k $\Sigma e-\pi n$ evts: 32862	COIN pretrig: 70 k ☒ Data ok ☐ Junk
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$Q=91.602$ $\Sigma Q=6694.489$ 6207.348

Run Number: 15418	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 12:43 Stop time (RC GUI): 13:05	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 34 k $e-\pi n$ evts: 88	SHMS prescale pretrig: 31 k $\Sigma e-\pi n$ evts: 32450	COIN pretrig: 19 k ☒ Data ok ☒ Junk
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short run - many drips
 $Q=16.970$ $\Sigma Q=6224.313$

p(e,e' π)n Run Sheet

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

Date: 22/7/9
yy mm dd

Initials: *DS*

Continuation of Configuration:

$Q = 6$ $W = 3.19$ $x = 0.39$

high Σ , center

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

Run Number: 15419	☐ 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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Junk wrong PS

Run Number: 15420	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 13:21 Stop time (RC GUI): 13:45	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 3 k $e-\pi n$ evts: 1	SHMS prescale pretrig: 1 k $\Sigma e-\pi n$ evts: 428146	COIN pretrig: 14 k ☒ Data ok ☐ Junk
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ΣQ_{dummy} for earlier runs = 433mC

$\Sigma e\pi$ for earlier dummy = 428145 almost none

$Q = 0.848$
 $\Sigma Q = 433.848$

Run Number: 15421	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 14:34 Stop time (RC GUI): 15:33	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 100 k $e-\pi n$ evts: 18	SHMS prescale pretrig: 96 k $\Sigma e-\pi n$ evts: 44764	COIN pretrig: 38 k ☒ Data ok ☐ Junk
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$Q = 62.631$ $\Sigma Q = 496.479$

Run Number: 15422	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 15:34 Stop time (RC GUI): 15:49	☒ 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
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Junk

Run Number: 15423	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 16:34:59 Stop time (RC GUI): 17:36:14	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 123 k $e-\pi n$ evts: 23	SHMS prescale pretrig: 119 k $\Sigma e-\pi n$ evts: 187	COIN pretrig: 40 k ☒ Data ok ☐ Junk
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$Q = 77.351$ $\Sigma Q = 559.11$

Run Number: 15424	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 17:36:52 Stop time (RC GUI): 18:36:36	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 115 k $e-\pi n$ evts: 27	SHMS prescale pretrig: 112 k $\Sigma e-\pi n$ evts: 214	COIN pretrig: 39 k ☒ Data ok ☐ Junk
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$\Sigma Q_{dummy} = 642.094$

$Q = 72.776$
 $\Sigma Q = 631.886$

p(e,e'π)n Run Sheet

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

Date: 22/07/09
yy mm dd

Initials: EW

Continuation of Configuration:

$Q^2 = 6$, $w = 3.14$, $x = 0.39$
high E, SHMS center

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

Run Number: 15425	☒ 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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 18:46:18 Stop time (RC GUI): 18:47:54	☐ 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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LH2 Target

Wrong PS Pre-scales

Run Number: 15426	☒ 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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 18:48:54 Stop time (RC GUI): 19:45:53	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 432 k $e-\pi n$ evts: 607	SHMS prescale pretrig: 892 k $\Sigma e-\pi n$ evts: 33557	COIN pretrig: 83 k ☒ Data ok ☐ Junk
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Data OK

$Q = 118.256$

$\Sigma Q = 6342.569$

PS4=4
Didn't update to 5

Run Number: 15427	☒ 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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 19:47:06 Stop time (RC GUI): 20:48:06	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 489 k $e-\pi n$ evts: 718	SHMS prescale pretrig: 1013 k $\Sigma e-\pi n$ evts: 34275	COIN pretrig: 93 k ☒ Data ok ☐ Junk
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PS4=4
didn't update to 5

$Q = 133.561$

$\Sigma Q = 6476.130$

Run Number: 15428	☒ 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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 20:49:04 Stop time (RC GUI): 21:45:34	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 490 k $e-\pi n$ evts: 693	SHMS prescale pretrig: 1033 k $\Sigma e-\pi n$ evts: 34968	COIN pretrig: 94 k ☒ Data ok ☐ Junk
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PS4=4
Didn't update to 5 (should be fixed now)

$Q = 134.304$

$\Sigma Q = 6610.434$

Run Number: 15429	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 21:46:12 Stop time (RC GUI): 22:43:57	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 263 k $e-\pi n$ evts: 668	SHMS prescale pretrig: 270 k $\Sigma e-\pi n$ evts: 35636	COIN pretrig: 103 k ☒ Data ok ☐ Junk
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$Q = 136.475$

$\Sigma Q = 6746.909$

Run Number: 15430	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 22:44:40 Stop time (RC GUI): 23:38:15	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 260 k $e-\pi n$ evts: 748	SHMS prescale pretrig: 268 k $\Sigma e-\pi n$ evts: 36384	COIN pretrig: 101 k ☒ Data ok ☐ Junk
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$Q = 134.648$

$\Sigma Q = 6745.082$

p(e,e'π)n Run Sheet

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

Date: 22/07/09
yy mm dd

Initials: EW

Continuation of Configuration:

Q = 6 w = 3.14, x = 0.39
high e, SHMS center

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

Run Number: 15431	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 23:34:49 Stop time (RC GUI):	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 191 k e-πn evts: 527	SHMS prescale pretrig: 199 k Σ e-πn evts: 36908	COIN pretrig: 84 k ☒ Data ok ☐ Junk
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Q = 98,721 mc

ΣQ = ~~6843,803~~ 6843,803mc

Run Number: 15432	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 00:32 Stop time (RC GUI): 01:29	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 225 k e-πn evts: 587	SHMS prescale pretrig: 234 k Σ e-πn evts: 44485 37495	COIN pretrig: 97 k ☒ Data ok ☐ Junk
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Q = 116.628 mc

ΣQ = 6960,431 mc

Run Number: 15433	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 09:28:46 Stop time (RC GUI): 10:27:06	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 160 k e-πn evts: 451	SHMS prescale pretrig: 151 k Σ e-πn evts: 37418	COIN pretrig: 66 k ☒ Data ok ☐ Junk
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Beam Ramping Up

Q = 81.814

ΣQ = ~~7042.245~~
Not added to totals since beam was eh

Run Number: 15434	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 10:29:21 Stop time (RC GUI): 11:29:26	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 236 k e-πn evts: 625	SHMS prescale pretrig: 244 k Σ e-πn evts: 38120	COIN pretrig: 100 k ☒ Data ok ☐ Junk
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50 μA

Q = 122.333

ΣQ = 7082.764

Run Number: 15435	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 11:31:18 Stop time (RC GUI): 12:17:47	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 214 k e-πn evts: 546	SHMS prescale pretrig: 221 k Σ e-πn evts: 38666	COIN pretrig: 85 k ☒ Data ok ☐ Junk
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50 μA

Q = 110.991

ΣQ = 7193.755

Run Number: 15436	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 12:18:34 Stop time (RC GUI): 13:18:34	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 212 k e-πn evts: 530	SHMS prescale pretrig: 223 k Σ e-πn evts: 39196	COIN pretrig: 98 k ☒ Data ok ☐ Junk
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55 μA Trying to ramp up to 55 μA
(it was a while)

Q = 109.579

ΣQ = 7303.334

p(e,e' π)n Run Sheet

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

Date: 22/07/10
yy mm dd

Initials: EW

Continuation of Configuration:

$Q = 6, w = 3.19, x = 0.39$

high ϵ , SHMS center

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

Run Number: 15437	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 9 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 13:20:42 Stop time (RC GUI): 14:21:02	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 227 k SHMS prescale 241 k COIN pretrig: 103 k $e-\pi n$ evts: 626 $\Sigma e-\pi n$ evts: 39822	☒ Data ok ☐ Junk
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55 μA $Q = 117.706$ $\Sigma Q = 7421.042$

Run Number: 15438	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 9 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 14:21:38 Stop time (RC GUI): 15:02:43	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 105 k SHMS prescale 114 k COIN pretrig: 58 k $e-\pi n$ evts: 232 $\Sigma e-\pi n$ evts: 40054	☒ Data ok ☐ Junk
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60 μA $Q = 54.651$ $\Sigma Q = 7475.693$

Run Number: 15439	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 5 PS5: 9 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 15:41:29 Stop time (RC GUI): 16:42	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 248 k SHMS prescale 269 k COIN pretrig: 116 k $e-\pi n$ evts: 646 $\Sigma e-\pi n$ evts: 40700	☒ Data ok ☐ Junk
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60 μA $Q = 128.841 mC$
 $\Sigma Q = 7604.534 mC$

Run Number: 15440	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 6 PS5: 9 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 16:43 Stop time (RC GUI): 17:42	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 145 k SHMS prescale 153 k COIN pretrig: 126 k $e-\pi n$ evts: 732 $\Sigma e-\pi n$ evts: 41432	☒ Data ok ☐ Junk
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60 μA $Q = 146.316 mC$
 $\Sigma Q = 7750.85 mC$

Run Number: 15441	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 6 PS5: 9 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 17:43 Stop time (RC GUI): 18:44	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 130 k SHMS prescale 137 k COIN pretrig: 118 k $e-\pi n$ evts: 691 $\Sigma e-\pi n$ evts: 42123	☒ Data ok ☐ Junk
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60 μA $Q = 131.323 mC$
 $\Sigma Q = 7882.173 mC$

Run Number: 15442	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 6 PS5: 9 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 18:45 Stop time (RC GUI): 19:13	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 35 k SHMS prescale 37 k COIN pretrig: 39 k $e-\pi n$ evts: 192 $\Sigma e-\pi n$ evts: 42315	☒ Data ok ☐ Junk
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60 μA The beam was gone, so I stopped the run.
 $Q = 35.321 mC$
 $\Sigma Q = 7917.494 mC$

p(e,e' π)n Run Sheet

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

Date: 22/07/10 Initials: In.S.
yy mm dd

Continuation of Configuration:

$Q=6$, $W=3.19$, $X=0.39$
high ϵ , center

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

Run Number: 15443	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>19:41</u> Stop time (RC GUI): <u>19:51</u>	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: <u>15</u> k $e-\pi n$ evts: <u>74</u>	SHMS prescale pretrig: <u>15</u> k $\Sigma e-\pi n$ evts: _____	COIN pretrig: <u>14</u> k ☐ Data ok ☒ Junk
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Comments:

started at 20 μ A, then 40 μ A and then up to 60 μ A | ~~7 min run~~ | 7 min run | stopped as the beam was gone

Run Number: 15444	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>20:11</u> Stop time (RC GUI): <u>20:09</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>160</u> k $e-\pi n$ evts: <u>781</u>	SHMS prescale pretrig: <u>171</u> k $\Sigma e-\pi n$ evts: <u>43096</u>	COIN pretrig: <u>138</u> k ☒ Data ok ☐ Junk
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Comments:

60 μ A. $Q=161.808$ mc
 $\Sigma Q=8079.302$ mc

Run Number: 15445	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>21:10</u> Stop time (RC GUI): <u>22:11</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>151</u> k $e-\pi n$ evts: <u>744</u>	SHMS prescale pretrig: <u>160</u> k $\Sigma e-\pi n$ evts: <u>43840</u>	COIN pretrig: <u>133</u> k ☒ Data ok ☐ Junk
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Comments:

60 μ A. $Q=151.863$ mc
 $\Sigma Q=8231.165$ mc

Run Number: 15446	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>22:12</u> Stop time (RC GUI): <u>23:12</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>162</u> k $e-\pi n$ evts: <u>796</u>	SHMS prescale pretrig: <u>172</u> k $\Sigma e-\pi n$ evts: <u>44636</u>	COIN pretrig: <u>140</u> k ☒ Data ok ☐ Junk
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Comments:

60 μ A. $Q=163.704$ mc
 $\Sigma Q=8394.869$ mc

Run Number: 15447	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>23:13</u> Stop time (RC GUI): <u>00:15:14</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>153</u> k $e-\pi n$ evts: <u>764</u>	SHMS prescale pretrig: <u>162</u> k $\Sigma e-\pi n$ evts: <u>45400</u>	COIN pretrig: <u>135</u> k ☒ Data ok ☐ Junk
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Comments:

60 μ A. $Q=154.350$
 $\Sigma Q=8549.219$

Run Number: 15448	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>0:15:52</u> Stop time (RC GUI): <u>1:10:03</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>135</u> k $e-\pi n$ evts: <u>690</u>	SHMS prescale pretrig: <u>144</u> k $\Sigma e-\pi n$ evts: <u>46090</u>	COIN pretrig: <u>118</u> k ☒ Data ok ☐ Junk
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Comments:

60 μ A. $Q=136.689$ $\Sigma Q=8685.908$

p(e,e'π)n Run Sheet

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

Date: 22/07/11
yy mm dd

Initials: EW

Continuation of Configuration:

$Q^2 = 6$, $w = 3.19$, $x = 0.39$
high 'e', SHMS center

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

Run Number: 15449	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 6 PS5: 6 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 01:11:47 Stop time (RC GUI): 02:04:17	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 142 k $e-\pi n$ evts: 677	SHMS prescale pretrig: 152 k $\Sigma e-\pi n$ evts: 46767	COIN pretrig: 126 k ☒ Data ok ☐ Junk
Comments: 60 mA	$Q = 143.833$ $\Sigma Q = 8829.741$						

Run Number: 15450	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 6 PS5: 6 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 02:09:56 Stop time (RC GUI): 03:12:16	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 156 k $e-\pi n$ evts: 824	SHMS prescale pretrig: 166 k $\Sigma e-\pi n$ evts: 47591	COIN pretrig: 138 k ☒ Data ok ☐ Junk
Comments: 60 mA	$Q = 157.780$ $\Sigma Q = 8987.521$						

Run Number: 15451	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 6 PS5: 6 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 03:12:52 Stop time (RC GUI): 04:12:16	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 159 k $e-\pi n$ evts: 781	SHMS prescale pretrig: 169 k $\Sigma e-\pi n$ evts: 48372	COIN pretrig: 139 k ☐ Data ok ☐ Junk
Comments: 60 mA	$Q = 160.208$ $\Sigma Q = 9147.729$						

Run Number: 15452	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 6 PS5: 6 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 04:13:53 Stop time (RC GUI): 05:13:31	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 132 k $e-\pi n$ evts: 644	SHMS prescale pretrig: 140 k $\Sigma e-\pi n$ evts: 49016	COIN pretrig: 121 k ☒ Data ok ☐ Junk
Comments: 60 mA	$Q = 132.648$ $\Sigma Q = 9280.377$						

Run Number: 15453	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 6 PS5: 6 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 05:14:14 Stop time (RC GUI): 05:52:15	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 75 k $e-\pi n$ evts: 402	SHMS prescale pretrig: 79 k $\Sigma e-\pi n$ evts: 49418	COIN pretrig: 71 k ☒ Data ok ☐ Junk
Comments: 60 mA	$Q = 75.377$ $\Sigma Q = 9355.754$						

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:							