

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

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

Date: 22/01/11
yy mm dd
Initials: jmh

Use a separate sheet for each configuration.

Configuration Name: _____

Beam Checkout

Carbon Ade

E_{beam}: 7.914 GeV

I_{beam}: 70 μ A

Purpose:

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

Raster: ☒ On ☐ Off

Size: 2x2

Beam position and angle on target:

3H07A	X	Y
-1.2 mm	-0.5 mm	
Nomin:	Nomin:	
3H07C	X	Y
-1.2 mm	-0.5 mm	
Nomin:	Nomin:	

HMS

SHMS

Q1	I-SET (from PSU) 173.4470 A	I-SET (from PSU) 2206.7 A	HB
	B-HALL +0.22660 T	B-HALL -13.951 kG	
Q2	I-SET (from PSU) 137.8070 A	I-SET (from PSU) 1376.58 A	Q1
	B-HALL -0.23808 T	B-HALL +9.983 kG	
Q3	I-SET (from PSU) 66.9257 A	I-SET (from PSU) 2305.83 A	Q2
	B-HALL +0.12965 T	B-HALL -21.937 kG	
D	I-READ 406.92 A	I-SET (from PSU) 1517.22 A	Q3
	B-NMR 0.3692530 T	B-HALL -14.633 kG	
If momentum increased:		I-SET (from PSU) 2086.02 A	D
☒ HMS cycled? ☒ SHMS cycled?		B-NMR +15.129 kG	

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
☐ _____

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: 22/01/12
yy mm dd

Initials: *JA*

Use a separate sheet for each configuration.

Configuration Name:

$Q^2=3.85$, $W=3.07$, $x=0.31$
low- E Part 2, SHMS Right

E_{beam} : 7.914 GeV

I_{beam} : 42 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
-1.2	mm	-0.5
Nomin:		Nomin:
3H07C	X	Y
-6.2	mm	-0.5
Nomin:		Nomin:

HMS

SHMS

Q1	I-SET (from PSU)	A	I-SET (from PSU)	A	HB
	B-HALL	173.447	B-HALL	2206.7	
Q2	I-SET (from PSU)	A	I-SET (from PSU)	A	Q1
	B-HALL	137.807	B-HALL	1376.58	
Q3	I-SET (from PSU)	A	I-SET (from PSU)	A	Q2
	B-HALL	66.9257	B-HALL	2305.83	
D	I-READ	A	I-SET (from PSU)	A	Q3
	B-NMR	406.26	B-HALL	1517.22	
D	I-SET (from PSU)	A	I-SET (from PSU)	A	D
	B-NMR	0.3646710	B-NMR	-14.637	
If momentum increased:					
☒ HMS cycled?					
☒ SHMS cycled?					

Run Number:

14207

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

PS1: 14
PS2: -1
PS3: -1
PS4: 6
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

18:07:43

Stop time (RC GUI):

18:10:16

- ☒ 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 Mode10

Run Number:

14208

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

PS1: 14
PS2: -1
PS3: -1
PS4: 6
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

18:11:36

Stop time (RC GUI):

18:53:15

- ☒ 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:

14209

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

PS1: 14
PS2: -1
PS3: -1
PS4: 6
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

19:10:59

Stop time (RC GUI):

19:40:13

- ☒ 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:

14210

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

PS1: 14
PS2: -1
PS3: -1
PS4: 6
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

20:17

Stop time (RC GUI):

20:41:48

- ☒ 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:

42 μA , maybe some low currents too, most of run was ramp up

p(e,e' π)n Run Sheet

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

Date: 22, 01, 12
yy mm dd

Initials: EW

Continuation of Configuration:

$Q = 3.85$ $W = 3.07$ $x = 0.31$

low - 6 part 2, SHMS Right

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

Run Number: 14211	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 6 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 20:42:59 Stop time (RC GUI): 21:18	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 28 k $e-\pi n$ evts: 39	SHMS prescale pretrig: 24 k $\Sigma e-\pi n$ evts: 500	COIN pretrig: 55 k ☒ Data ok ☐ Junk
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Run Number: 14212	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 6 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 21:18:59 Stop time (RC GUI): 21:28:48	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 26 k $e-\pi n$ evts: 40	SHMS prescale pretrig: 16 k $\Sigma e-\pi n$ evts: 540	COIN pretrig: 26 k ☒ Data ok ☐ Junk
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Run Number: 14213	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 6 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 21:41:36 Stop time (RC GUI): 22:41	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 192 k $e-\pi n$ evts: 321	SHMS prescale pretrig: 171 k $\Sigma e-\pi n$ evts: 861	COIN pretrig: 281 k ☒ Data ok ☐ Junk
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Run Number: 14214	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 6 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 22:42:14 Stop time (RC GUI): 23:42:23	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 223 k $e-\pi n$ evts: 432	SHMS prescale pretrig: 144 k $\Sigma e-\pi n$ evts: 1293	COIN pretrig: 346 k ☒ Data ok ☐ Junk
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Run Number: 14215	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 6 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 23:43:04 Stop time (RC GUI): 00:50:18	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 283 k $e-\pi n$ evts: 485	SHMS prescale pretrig: 246 k $\Sigma e-\pi n$ evts: 1778	COIN pretrig: 392 k ☒ Data ok ☐ Junk
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Run Number: 14216	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 6 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 00:51:00 Stop time (RC GUI): 00:51:48	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 225 k $e-\pi n$ evts: 379	SHMS prescale pretrig: 145 k $\Sigma e-\pi n$ evts: 2157	COIN pretrig: 38 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: 22/01/13
yy mm dd

Initials: *BS*

Continuation of Configuration:

$Q^2=3.95$, $W=3.07$, $x=0.31$
to $W-E$ part 2, STM Right

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

Run Number: <i>14217</i>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <i>14</i> PS2: <i>-1</i> PS3: <i>-1</i> PS4: <i>6</i> PS5: <i>9</i> PS6: <i>9</i> Mode10: cer / fadc	Start time (RC GUI): <i>01:52:40</i> Stop time (RC GUI): <i>02:51:17</i>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <i>214</i> k $e-\pi n$ evts: <i>338</i>	SHMS prescale pretrig: <i>105</i> k $\Sigma e-\pi n$ evts: <i>2495</i>	COIN pretrig: <i>304</i> k ☒ Data ok ☐ Junk
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Run Number: <i>14218</i>	☒ 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): <i>02:52:04</i> Stop time (RC GUI): <i>03:03:19</i>	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: _____ k $e-\pi n$ evts: <i>7</i>	SHMS prescale pretrig: _____ k $\Sigma e-\pi n$ evts: <i>2502</i>	COIN pretrig: _____ k ☒ Data ok ☒ Junk
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Bad beam

Run Number: <i>14219</i>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <i>14</i> PS2: <i>-1</i> PS3: <i>-1</i> PS4: <i>-1</i> PS5: <i>-1</i> PS6: <i>0</i> Mode10: cer / fadc	Start time (RC GUI): <i>06:19:24</i> Stop time (RC GUI): <i>07:19:46</i>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <i>3525</i> k $e-\pi n$ evts: <i>164</i>	SHMS prescale pretrig: <i>91</i> k $\Sigma e-\pi n$ evts: <i>2666</i>	COIN pretrig: <i>166</i> k ☒ Data ok ☐ Junk
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3/4 run

Run Number: <i>14220</i>	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <i>14</i> PS2: <i>-1</i> PS3: <i>-1</i> PS4: <i>-1</i> PS5: <i>-1</i> PS6: <i>0</i> 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: <i>14220</i>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <i>14</i> PS2: <i>-1</i> PS3: <i>-1</i> PS4: <i>-1</i> PS5: <i>-1</i> PS6: <i>0</i> Mode10: cer / fadc	Start time (RC GUI): <i>07:23:27</i> Stop time (RC GUI): <i>08:11</i>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <i>5260</i> k $e-\pi n$ evts: <i>264</i>	SHMS prescale pretrig: <i>136</i> k $\Sigma e-\pi n$ evts: <i>1611</i> 2666 <i>2930</i>	COIN pretrig: <i>225</i> k ☒ Data ok ☐ Junk
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3/4 run

Run Number: <i>14221</i>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <i>14</i> PS2: <i>-1</i> PS3: <i>-1</i> PS4: <i>-1</i> PS5: <i>-1</i> PS6: <i>0</i> Mode10: cer / fadc	Start time (RC GUI): <i>9:21</i> Stop time (RC GUI): <i>9:42</i>	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: <i>593</i> k $e-\pi n$ evts: <i>21</i>	SHMS prescale pretrig: <i>15</i> k $\Sigma e-\pi n$ evts: <i>2951</i>	COIN pretrig: <i>33</i> k ☒ Data ok ☐ Junk
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3/4

p(e,e' π)n Run Sheet

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

Date: 22 / 01 / 13
yy mm dd

Initials: EW

Continuation of Configuration:

$Q^2 = 3.85$, $W = 3.07$, $x = 0.31$
low-e part 2, SHMS Right

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

Run Number: <u>14222</u>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>9</u> PS6: <u>-9</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>19:38:55</u> Stop time (RC GUI): <u>20:04:55</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>63</u> k $e-\pi n$ evts: <u>70</u>	SHMS prescale pretrig: <u>41</u> k $\Sigma e-\pi n$ evts: <u>3021</u>	COIN pretrig: <u>564</u> k ☒ Data ok ☐ Junk
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EDTM set to 330 Hz, not 10 Hz HI 64 EDM

Run Number: <u>14223</u>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>9</u> PS6: <u>-9</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>20:12:01</u> Stop time (RC GUI): <u>20:43:15</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>61</u> k $e-\pi n$ evts: <u>78</u>	SHMS prescale pretrig: <u>33</u> k $\Sigma e-\pi n$ evts: <u>3099</u>	COIN pretrig: <u>651</u> k ☒ Data ok ☐ Junk
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EDTM set to 330 Hz, not 10 Hz HI 64 EDM

Run Number: <u>14224</u>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / 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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Testing EDTM Rate (Set to 10, got 20)

Run Number: <u>14225</u>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / 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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Testing EDTM Rate (Back to 10 Hz)

Run Number: <u>14226</u>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>9</u> PS6: <u>-9</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>23:12:22</u> Stop time (RC GUI): <u>00:13:43</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>276</u> k $e-\pi n$ evts: <u>391</u>	SHMS prescale pretrig: <u>185</u> k $\Sigma e-\pi n$ evts: <u>3490</u>	COIN pretrig: <u>298</u> k ☒ Data ok ☐ Junk
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Run Number: <u>14227</u>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>9</u> PS6: <u>-9</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>00:14:40</u> Stop time (RC GUI): <u>01:14:37</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>244</u> k $e-\pi n$ evts: <u>391</u>	SHMS prescale pretrig: <u>244</u> k $\Sigma e-\pi n$ evts: <u>3881</u>	COIN pretrig: <u>340</u> 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: 22 / 1 / 14
yy mm dd

Initials: _____

Continuation of Configuration:

$Q^2 = 3.85$, $W = 3.07$, $x = 0.31$

low- e part 2, JHMJR:ht

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

Run Number: 14228	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 01:15:25 Stop time (RC GUI): 02:15:28	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 248 k $e-\pi n$ evts: 432	SHMS prescale pretrig: 213 k $\Sigma e-\pi n$ evts: 4313	COIN pretrig: 339 k ☒ Data ok ☐ Junk
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Run Number: 14229	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 02:16:13 Stop time (RC GUI): 03:16:31	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 208 k $e-\pi n$ evts: 350	SHMS prescale pretrig: 178 k $\Sigma e-\pi n$ evts: 4663	COIN pretrig: 288 k ☒ Data ok ☐ Junk
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Run Number: 14230	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 03:17:10 Stop time (RC GUI): 04:17:37	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 216 k $e-\pi n$ evts: 373	SHMS prescale pretrig: 185 k $\Sigma e-\pi n$ evts: 5036	COIN pretrig: 248 k ☒ Data ok ☐ Junk
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Run Number: 14231	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 04:18:25 Stop time (RC GUI): 05:18:22	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 265 k $e-\pi n$ evts: 428	SHMS prescale pretrig: 226 k $\Sigma e-\pi n$ evts: 5464	COIN pretrig: 356 k ☒ Data ok ☐ Junk
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Run Number: 14232	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 05:19:01 Stop time (RC GUI): 06:19:18	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 231 k $e-\pi n$ evts: 395	SHMS prescale pretrig: 196 k $\Sigma e-\pi n$ evts: 5859	COIN pretrig: 315 k ☒ Data ok ☐ Junk
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Run Number: 14233	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 06:20:01 Stop time (RC GUI): 07:20:21	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 258 k $e-\pi n$ evts: 460	SHMS prescale pretrig: 220 k $\Sigma e-\pi n$ evts: 6319	COIN pretrig: 349 k ☒ Data ok ☐ Junk
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p(e,e'π)n Run Sheet

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

Date: 22/1/14
yy mm dd

Initials: _____

Continuation of Configuration:

$Q^2 = 3.85$, $W = 3.07$, $x = 0.31$

low-e part 2, SHMS Right

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

Run Number: 14234	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: <u>ce</u> / fadc	Start time (RC GUI): 07:21:11 Stop time (RC GUI): 8:20:47	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 215 k $e-\pi n$ evts: 358	SHMS prescale pretrig: 182 k $\Sigma e-\pi n$ evts: 6677	COIN pretrig: 296 k ☒ Data ok ☐ Junk
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Run Number: 14235	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: -1 PS6: -1 Mode10: <u>ce</u> / fadc	Start time (RC GUI): 8:21:37 Stop time (RC GUI): 9:22:30	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 239 k $e-\pi n$ evts: 389	SHMS prescale pretrig: 203 k $\Sigma e-\pi n$ evts: 7066	COIN pretrig: 327 k ☒ Data ok ☐ Junk
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Run Number: 14236	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 86 PS5: 0 PS6: 0 Mode10: <u>ce</u> / fadc	Start time (RC GUI): 9:22:58 Stop time (RC GUI): 10:22:02	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 234 k $e-\pi n$ evts: 388	SHMS prescale pretrig: 198 k $\Sigma e-\pi n$ evts: 7454	COIN pretrig: 316 k ☒ Data ok ☐ Junk
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Run Number: 14237	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 8 PS5: -1 PS6: -1 Mode10: <u>ce</u> / fadc	Start time (RC GUI): 10:22:44 Stop time (RC GUI): 11:24:34	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 168 k $e-\pi n$ evts: 298	SHMS prescale pretrig: 143 k $\Sigma e-\pi n$ evts: 7752	COIN pretrig: 242 k ☒ Data ok ☐ Junk
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Run Number: 14238	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 8 PS5: 0 PS6: -1 Mode10: <u>ce</u> / fadc	Start time (RC GUI): 11:25:07 Stop time (RC GUI): 11:53:57	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts: 0	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts: 0	COIN pretrig: k ☐ Data ok ☒ Junk
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~~Beam~~ Extended beam off. 18K total Events

Run Number: 14239	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: <u>ce</u> / fadc	Start time (RC GUI): 12:22:21 Stop time (RC GUI): 12:32:57	☒ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: 27 k $e-\pi n$ evts: 45	SHMS prescale pretrig: 23 k $\Sigma e-\pi n$ evts: 7797	COIN pretrig: 38 k ☒ Data ok ☐ Junk
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HALL C
10N CHAMBER TRIPPED BEAM; MCC NEEDS TUNING. PREMATURE RUN STOP. 87K EVENTS

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

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

Date: 22, 1, 14
yy mm dd

Initials: EW

Continuation of Configuration:

$Q^2 = 3.85, W = 3.07, x = 0.31$

low- e part 2, SHMS Rght

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

Run Number: 14240	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 12:36:24 Stop time (RC GUI): 12:42:31	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 168 k $e-\pi n$ evts: 31	SHMS prescale pretrig: 14 k $\Sigma e-\pi n$ evts: 7828	COIN pretrig: 23 k ☒ Data ok ☐ Junk
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COMPON ION CHAMBER KEEPS TRIPPING. MORE TUNING AGAIN.

Run Number: 14241	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 12:44:55 Stop time (RC GUI): 13:38:14	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 198 k $e-\pi n$ evts: 332	SHMS prescale pretrig: 166 k $\Sigma e-\pi n$ evts: 8160	COIN pretrig: 264 k ☒ Data ok ☐ Junk
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Run Number: 14242	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 13:47:14 Stop time (RC GUI): 14:45:53	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 258 k $e-\pi n$ evts: 435	SHMS prescale pretrig: 220 k $\Sigma e-\pi n$ evts: 8595	COIN pretrig: 355 k ☒ Data ok ☐ Junk
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Run Number: 14243	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 14:46:25 Stop time (RC GUI): 15:47:25	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 259 k $e-\pi n$ evts: 449	SHMS prescale pretrig: 221 k $\Sigma e-\pi n$ evts: 9044	COIN pretrig: 359 k ☒ Data ok ☐ Junk
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Run Number: 14244	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 15:48:26 Stop time (RC GUI): 16:49:02	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 265 k $e-\pi n$ evts: 471	SHMS prescale pretrig: 226 k $\Sigma e-\pi n$ evts: 9515	COIN pretrig: 368 k ☒ Data ok ☐ Junk
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Run Number: 14245	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 16:49:40 Stop time (RC GUI): 17:23:14	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 101 k $e-\pi n$ evts: 191	SHMS prescale pretrig: 86 k $\Sigma e-\pi n$ evts: 9706	COIN pretrig: 141 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: 22/01/14
yy mm dd

Initials: EW

Continuation of Configuration:

$Q^2 = 3.85$, $W = 3.07$, $x = 0.31$
low- E part 2, SHMS Right

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

Run Number: 14246	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 17:24:26 Stop time (RC GUI): 18:21:58	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 203 k $e-\pi n$ evts: 352	SHMS prescale pretrig: 173 k $\Sigma e-\pi n$ evts: 10058	COIN pretrig: 287 k ☒ Data ok ☐ Junk
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LH2

Run Number: 14248	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 11 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 21:07:51 Stop time (RC GUI): 22:04:35	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 296 k $e-\pi n$ evts: 27	SHMS prescale pretrig: 281 k $\Sigma e-\pi n$ evts: 27 (LH2)	COIN pretrig: 52 k ☒ Data ok ☐ Junk
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Dummy 40mA

Run Number: 14249	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 11 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 22:06:24 Stop time (RC GUI): 23:00:17	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 352 k $e-\pi n$ evts: 33	SHMS prescale pretrig: 335 k $\Sigma e-\pi n$ evts: 60 (Dummy)	COIN pretrig: 58 k ☒ Data ok ☐ Junk
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Dummy 40mA

Run Number: 14250	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 23:37:24 Stop time (RC GUI): 23:40:14	☐ 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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~~LD2 target~~ LD2 target fadc mode 10 run 28mA

Run Number: 14251	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 23:40:52 Stop time (RC GUI): 00:41:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 262 k $e-\pi n$ evts: 388 258	SHMS prescale pretrig: 224 k $\Sigma e-\pi n$ evts: 388 258	COIN pretrig: 672 k ☒ Data ok ☐ Junk
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LD2

Run Number: 14252	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 00:41:47 Stop time (RC GUI): 01:41:17	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 140 k $e-\pi n$ evts: 146 215	SHMS prescale pretrig: 119 k $\Sigma e-\pi n$ evts: 146 792	COIN pretrig: 340 k ☒ Data ok ☐ Junk
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Loop 1/2 power dropped. Beam down for a while

p(e,e'π)n Run Sheet

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

Date: 22/01/15
yy mm dd

Initials: BS

Continuation of Configuration:

$Q^2 = 3.85$, $W = 3.07$, $x = 0.31$

low-E part 2, SHMS Right

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

Run Number: 14253	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 01:42:09 Stop time (RC GUI): 02:42:35	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 233 k e-πn evts: 234354	SHMS prescale pretrig: 148 k Σ e-πn evts: 638	COIN pretrig: 591 k ☒ Data ok ☐ Junk
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1,146

Run Number: 14254	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 02:43:24 Stop time (RC GUI): 03:43:40	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 265 k e-πn evts: 430 281	SHMS prescale pretrig: 224 k Σ e-πn evts: 914	COIN pretrig: 605 k ☒ Data ok ☐ Junk
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1,576

Run Number: 14255	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 03:51:37 Stop time (RC GUI): 04:51:24	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 1654 k e-πn evts: 18	SHMS prescale pretrig: 208 k Σ e-πn evts: 437	COIN pretrig: 1188 k ☒ Data ok ☐ Junk
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3/4 Run Prescaled COIN!! junk? don't count for now

Run Number: 14256	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 04:53:55 Stop time (RC GUI): 05:54:33	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 278 k e-πn evts: 393 274	SHMS prescale pretrig: 226 k Σ e-πn evts: 124	COIN pretrig: 128 k ☒ Data ok ☐ Junk
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⊕ EDTM mess up 1989

Run Number: 14257	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 05:55:21 Stop time (RC GUI): 06:28:31	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 67 k e-πn evts: 71 44	SHMS prescale pretrig: 52 k Σ e-πn evts: 1255	COIN pretrig: 480 k ☒ Data ok ☐ Junk
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No beam for last 10 min junk? → don't count for now ⊕ EDTM Messed up!

Run Number: 14258	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 07:57:26 Stop time (RC GUI):	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: k e-πn evts:	SHMS prescale pretrig: k Σ e-πn evts:	COIN pretrig: k ☐ Data ok ☒ Junk
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EDTM ISSUE - JUNK DATA

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

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

Date: 22 / 01 / 15
yy mm dd

Initials: BS

Continuation of Configuration:

$Q^2=3.85$, $W=3.07$, $x=0.31$

low- t part 2, SHMS Right

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

Run Number: 14259	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 08:12:46 Stop time (RC GUI): 09:11:43	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 294 k $e-\pi n$ evts: 253 371	SHMS prescale pretrig: 208 k $\Sigma e-\pi n$ evts: 1508 1508	COIN pretrig: 622 k ☒ Data ok ☐ Junk
2340							

Run Number: 14260	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 09:12:13 Stop time (RC GUI): 10:13:13	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 264 k $e-\pi n$ evts: 269 390	SHMS prescale pretrig: 220 k $\Sigma e-\pi n$ evts: 1777 1777	COIN pretrig: 659 k ☒ Data ok ☐ Junk
2730							

Run Number: 14261	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 10:13:41 Stop time (RC GUI): 11:17:16	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 275 k $e-\pi n$ evts: 426	SHMS prescale pretrig: 230 k $\Sigma e-\pi n$ evts: 3156	COIN pretrig: 692 k ☒ Data ok ☐ Junk
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Run Number: 14262	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 11:17:54 Stop time (RC GUI): 12:18:50	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 274 k $e-\pi n$ evts: 377	SHMS prescale pretrig: 228 k $\Sigma e-\pi n$ evts: 3533	COIN pretrig: 692 k ☒ Data ok ☐ Junk
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Run Number: 14263	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 12:19:33 Stop time (RC GUI): 13:20:55	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 278 k $e-\pi n$ evts: 411	SHMS prescale pretrig: 231 k $\Sigma e-\pi n$ evts: 39421	COIN pretrig: 704 k ☒ Data ok ☐ Junk
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Run Number: 14264	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 13:21:36 Stop time (RC GUI): 14:21:57	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 279 k $e-\pi n$ evts: 375	SHMS prescale pretrig: 232 k $\Sigma e-\pi n$ evts: 4319	COIN pretrig: 711 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: 22, 01, 15
yy mm dd

Initials: EW

Continuation of Configuration:

$Q^2 = 3.85, W = 3.07, x = 0.31$

low- ϵ part 2, SHMS Right

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

Run Number: 14265	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>7</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 14:22:42 Stop time (RC GUI): 15:30:06	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 284 k $e-\pi n$ evts: 415	SHMS prescale pretrig: 235 k $\Sigma e-\pi n$ evts: 4734	COIN pretrig: 728 k ☒ Data ok ☐ Junk
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↑
Over-estimate; some background in n -peak

Run Number: 14266	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>7</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 15:30:46 Stop time (RC GUI): 16:30:29	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 279 k $e-\pi n$ evts: 414	SHMS prescale pretrig: 232 k $\Sigma e-\pi n$ evts: 5148	COIN pretrig: 721 k ☒ Data ok ☐ Junk
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Run Number: 14267	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>7</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 16:31:02 Stop time (RC GUI): 17:32:55	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 203 k $e-\pi n$ evts: 289	SHMS prescale pretrig: 167 k $\Sigma e-\pi n$ evts: 5437	COIN pretrig: 527 k ☒ Data ok ☐ Junk
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Run Number: 14268	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>7</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 17:33:45 Stop time (RC GUI): 18:33:32	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 249 k $e-\pi n$ evts: 351	SHMS prescale pretrig: 206 k $\Sigma e-\pi n$ evts: 5788	COIN pretrig: 645 k ☒ Data ok ☐ Junk
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Run Number: 14269	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>7</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 18:34:26 Stop time (RC GUI): 19:39:48	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 267 k $e-\pi n$ evts: 430	SHMS prescale pretrig: 220 k $\Sigma e-\pi n$ evts: 6218	COIN pretrig: 684 k ☒ Data ok ☐ Junk
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Run Number: 14270	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>7</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 19:41:45 Stop time (RC GUI): 20:05:16	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 279 k $e-\pi n$ evts: 153	SHMS prescale pretrig: 88 k $\Sigma e-\pi n$ evts: 6371	COIN pretrig: 200 k ☒ Data ok ☐ Junk
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344 run

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

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

Date: 22 / 01 / 15
yy mm dd

Initials: ELW

Continuation of Configuration:

$Q^2=3.85, w=3.07, x=0.31$

low-G part 2, SHMS R: yk

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

Run Number: 14271	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 20:06:59 Stop time (RC GUI): 20:17:35	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 35 k $e-\pi n$ evts: 50	SHMS prescale pretrig: 29 k $\Sigma e-\pi n$ evts: 6421	COIN pretrig: 90 k ☒ Data ok ☐ Junk
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Run Number: 14272	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 20:35:42 Stop time (RC GUI): 21:35:03	☒ Settings Verified? ☐ HV OK? ☒ 50k OK?	HMS prescale pretrig: 216 k $e-\pi n$ evts: 321	SHMS prescale pretrig: 175 k $\Sigma e-\pi n$ evts: 6742	COIN pretrig: 540 k ☒ Data ok ☐ Junk
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Run Number: 14273	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 21:36:32 Stop time (RC GUI): 21:55:55	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts: 107	SHMS prescale pretrig: 69 k $\Sigma e-\pi n$ evts: 6849	COIN pretrig: k ☒ Data ok ☐ Junk
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3/4 run

Run Number: 14274	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 21:56:32 Stop time (RC GUI): 22:24:06	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts: 172	SHMS prescale pretrig: 94 k $\Sigma e-\pi n$ evts: 7021	COIN pretrig: k ☒ Data ok ☐ Junk
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3/4 run

Run Number: 14275	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 22:25:24 Stop time (RC GUI): 23:25:12	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 188 k $e-\pi n$ evts: 254	SHMS prescale pretrig: 152 k $\Sigma e-\pi n$ evts: 7275	COIN pretrig: 474 k ☒ Data ok ☐ Junk
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Run Number: 14276	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 23:25:47 Stop time (RC GUI): 00:25:23	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 250 k $e-\pi n$ evts: 364	SHMS prescale pretrig: 204 k $\Sigma e-\pi n$ evts: 7639	COIN pretrig: 618 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: 22 / 1 / 16
yy mm dd

Initials: BAS

Continuation of Configuration:

$Q^2 = 3.85$, $W = 3.07$, $x = 0.31$

low ϵ , part 2, SHMS right

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

Run Number: 14277	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 00:26:07 Stop time (RC GUI): 01:25:37	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 237 k $e-\pi n$ evts: 360	SHMS prescale pretrig: 142 k $\Sigma e-\pi n$ evts: 7999	COIN pretrig: 583 k ☒ Data ok ☐ Junk
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Run Number: 14278	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 01:26:46 Stop time (RC GUI): 02:34:18	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 245 k $e-\pi n$ evts: 400	SHMS prescale pretrig: 238 k $\Sigma e-\pi n$ evts: 8409	COIN pretrig: 721 k ☒ Data ok ☐ Junk
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Run Number: 14279	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 02:35:23 Stop time (RC GUI): 03:35:30	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 197 k $e-\pi n$ evts: 296	SHMS prescale pretrig: 159 k $\Sigma e-\pi n$ evts: 8705	COIN pretrig: 488 k ☒ Data ok ☒ Junk
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Run Number: 14280	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 03:36:22 Stop time (RC GUI): 04:35:39	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 267 k $e-\pi n$ evts: 352	SHMS prescale pretrig: 216 k $\Sigma e-\pi n$ evts: 9057	COIN pretrig: 653 k ☒ Data ok ☐ Junk
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Run Number: 14281	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 04:37:24 Stop time (RC GUI): 05:37:24	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 225 k $e-\pi n$ evts: 330	SHMS prescale pretrig: 182 k $\Sigma e-\pi n$ evts: 9387	COIN pretrig: 555 k ☒ Data ok ☐ Junk
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Run Number: 14282	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 05:38:21 Stop time (RC GUI): 06:40:34	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 284 k $e-\pi n$ evts: 439	SHMS prescale pretrig: 229 k $\Sigma e-\pi n$ evts: 9826	COIN pretrig: 695 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: 22 / 1 / 16
yy mm dd

Initials: BAS

Continuation of Configuration:

$Q^2=3.85$ $W=3.07$ $x=0.31$
low ϵ , part 2, SHMS right

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

Run Number: 14283	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: -1 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 06:41:16 Stop time (RC GUI): 07:41:32	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 257 k $e-\pi n$ evts: 351	SHMS prescale pretrig: 207 k $\Sigma e-\pi n$ evts: 10177	COIN pretrig: 634 k ☐ Data ok ☐ Junk
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Run Number: 14284	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 07:42:20 Stop time (RC GUI): 08:39:09	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 202 k $e-\pi n$ evts: 300	SHMS prescale pretrig: 161 k $\Sigma e-\pi n$ evts: 10477	☒ Data ok ☐ Junk
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Run Number: 14285	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 9:04:35 Stop time (RC GUI): N/A	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts:	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts:	☐ Data ok ☐ Junk
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FADC MODE 10, 3 MINUTE RUN. RUN STOP INTERRUPTED BY DISCONNECTED COMPONENT. (ROC3). NEW SHEET STARTED. UPDATED CONFIGURATION.

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:	☐ 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:	☐ 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:	☐ Data ok ☐ Junk
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p(e,e' π)n Run Sheet

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

Date: 22/01/16
yy mm dd

Initials: TA

Use a separate sheet for each configuration.

Configuration Name: Low E SHMS Center

Purpose:

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

E_{beam}: 7.914 GeV

I_{beam}: 45 μ A

Raster: ☒ On ☐ Off
Size: 2 x 2 mm

Beam position and angle on target:

3H07A	X	Y
<u>-1.2</u> mm	<u>-0.5</u> mm	
Nomin:	Nomin:	
3H07C	X	Y
<u>-1.2</u> mm	<u>-0.5</u> mm	
Nomin:	Nomin:	

HMS

SHMS

Q1	I-SET (from PSU) <u>173.4470</u> A B-HALL <u>+0.22610</u> T	I-SET (from PSU) <u>2206.7</u> A B-HALL <u>-13.952</u> kg	HE
Q2	I-SET (from PSU) <u>137.8070</u> A B-HALL <u>-0.23934</u> T	I-SET (from PSU) <u>1376.58</u> A B-HALL <u>+9.792</u> kg	Q1
Q3	I-SET (from PSU) <u>66.9257</u> A B-HALL <u>+0.12921</u> T	I-SET (from PSU) <u>2305.83</u> A B-HALL <u>-21.734</u> kg	Q2
D	I-READ <u>406.21</u> A B-NMR <u>0.3646710</u> T	I-SET (from PSU) <u>1517.22</u> A B-HALL <u>-14.635</u> kg	Q3
	If momentum increased: ☐ HMS cycled? ☐ SHMS cycled?	I-SET (from PSU) <u>2086.02</u> A B-NMR <u>15.129</u> kg	D

Run Number:

14285

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

PS1: 14
PS2: -1
PS3: -1
PS4: 7
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

9:04:35

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:

NEW SHMS ANGLE. FACMODE 10 RUN, 3 MINUTES. RUN STOP INTERRUPTED BY DISCONNECTED COMPONENT (ROC3)

Run Number:

14286

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

PS1: 14
PS2: -1
PS3: -1
PS4: 7
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

9:18:16

Stop time (RC GUI):

10:21:18

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

HMS prescale
pretrig: 347 k

$e-\pi n$ evts:

462

SHMS prescale
pretrig: 189 k

$\Sigma e-\pi n$ evts:

462

COIN
pretrig: 913 k

- ☒ Data ok
☐ Junk

Comments:

Run Number:

14287

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

PS1: 14
PS2: -1
PS3: -1
PS4: 8
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

10:27:44

Stop time (RC GUI):

11:21:53

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

HMS prescale
pretrig: 165 k

$e-\pi n$ evts:

450

SHMS prescale
pretrig: 178 k

$\Sigma e-\pi n$ evts:

912

COIN
pretrig: 873 k

- ☒ Data ok
☐ Junk

Comments:

Run Number:

14288

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

PS1: 14
PS2: -1
PS3: -1
PS4: 8
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

11:22:25

Stop time (RC GUI):

11:48

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

HMS prescale
pretrig: 64 k

$e-\pi n$ evts:

157

SHMS prescale
pretrig: 68 k

$\Sigma e-\pi n$ evts:

1069

COIN
pretrig: 339 k

- ☒ Data ok
☐ Junk

Comments:

STOPPED, THE MCL NEEDS TO SEND TEST BEAM.

p(e,e' π)n Run Sheet

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

Date: 22, 01, 16
yy mm dd

Initials: EW

Continuation of Configuration:

$Q^2=3.85, W=3.07, x=0.31$
low-e part 2, SHMS R. ykt

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

Run Number: 14289	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 8 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 11:50:54 Stop time (RC GUI): 12:51:34	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 224 k $e-\pi n$ evts: 608	SHMS prescale pretrig: 242 k $\Sigma e-\pi n$ evts: 1677	COIN pretrig: 1180 k ☒ Data ok ☐ Junk
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Run Number: 14290	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 8 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 12:52:12 Stop time (RC GUI): 13:52:46	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 221 k $e-\pi n$ evts: 585	SHMS prescale pretrig: 238 k $\Sigma e-\pi n$ evts: 2262	COIN pretrig: 1174 k ☒ Data ok ☐ Junk
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Run Number: 14291	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 8 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 13:54:08 Stop time (RC GUI): 14:54:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 206 k $e-\pi n$ evts: 547	SHMS prescale pretrig: 221 k $\Sigma e-\pi n$ evts: 2809	COIN pretrig: 1092 k ☒ Data ok ☐ Junk
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Run Number: 14292	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 8 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 15:01:00 Stop time (RC GUI): 15:53:45	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 121 k $e-\pi n$ evts: 335	SHMS prescale pretrig: 129 k $\Sigma e-\pi n$ evts: 3144	COIN pretrig: 647 k ☒ Data ok ☐ Junk
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MCC NEEDED TO TUNE BEAM. PREMATURE STOP.

Run Number: 14293	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 8 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 15:59:00 Stop time (RC GUI): 16:58:46	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 124 k $e-\pi n$ evts: 285	SHMS prescale pretrig: 129 k $\Sigma e-\pi n$ evts: 3429	COIN pretrig: 617 k ☒ Data ok ☐ Junk
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Run Number: 14294	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 8 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 16:59:57 Stop time (RC GUI): 17:59:54	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 197 k $e-\pi n$ evts: 502	SHMS prescale pretrig: 211 k $\Sigma e-\pi n$ evts: 3931	COIN pretrig: 1047 k ☒ Data ok ☐ Junk
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start time = 17:00:03

p(e,e' π)n Run Sheet

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

Date: 22/01/16
yy mm dd

Initials: EW

Continuation of Configuration:

$$a^2 = 3.85, w = 3.07, x = 0.31$$

low-e part 2, SHMS Center

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

Run Number: 14295	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>8</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>18:00:37</u> Stop time (RC GUI): <u>18:59:43</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>192</u> k $e-\pi n$ evts: <u>529</u>	SHMS prescale pretrig: <u>212</u> k $\Sigma e-\pi n$ evts: <u>4460</u>	COIN pretrig: <u>1057</u> k ☒ Data ok ☐ Junk
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Run Number: 14296	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>8</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>19:00:17</u> Stop time (RC GUI): <u>19:59:53</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>183</u> k $e-\pi n$ evts: <u>459</u>	SHMS prescale pretrig: <u>196</u> k $\Sigma e-\pi n$ evts: <u>4919</u>	COIN pretrig: <u>983</u> k ☒ Data ok ☐ Junk
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Run Number: 14297	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>8</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>20:00:32</u> Stop time (RC GUI): <u>20:59:52</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>174</u> k $e-\pi n$ evts: <u>411</u>	SHMS prescale pretrig: <u>186</u> k $\Sigma e-\pi n$ evts: <u>5330</u>	COIN pretrig: <u>937</u> k ☒ Data ok ☐ Junk
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Run Number: 14298	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>8</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>21:00:37</u> Stop time (RC GUI): <u>21:41:38</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>40</u> k $e-\pi n$ evts: <u>96</u>	SHMS prescale pretrig: <u>42</u> k $\Sigma e-\pi n$ evts: <u>5426</u>	COIN pretrig: <u>223</u> k ☒ Data ok ☐ Junk
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Run Number: 14299	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>8</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>22:42:44</u> Stop time (RC GUI): <u>23:43:15</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>162</u> k $e-\pi n$ evts: <u>451</u>	SHMS prescale pretrig: <u>171</u> k $\Sigma e-\pi n$ evts: <u>5877</u>	COIN pretrig: <u>847</u> k ☒ Data ok ☐ Junk
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Run Number: 14300	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>8</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>23:46:35</u> Stop time (RC GUI): <u>00:49:24</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>224</u> k $e-\pi n$ evts: <u>619</u>	SHMS prescale pretrig: <u>243</u> k $\Sigma e-\pi n$ evts: <u>6496</u>	COIN pretrig: <u>1198</u> 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: 21/01/17
yy mm dd

Initials: *fm*

Continuation of Configuration:

$Q^2=3.85$, $W=3.07$, $x=0.31$
low- ϵ part 2, SHMS Center

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

Run Number: 14301	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>8</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): 00:51:09 Stop time (RC GUI): 01:51:44	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 182 k $e-\pi n$ evts: 475	SHMS prescale pretrig: 193 k $\Sigma e-\pi n$ evts: 6971	COIN pretrig: 959 k ☒ Data ok ☐ Junk
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14302 - Junk (test prescales, KCuda)

Run Number: 14303	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): 02:01:31 Stop time (RC GUI): 02:32:54	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 100 k $e-\pi n$ evts: 220	SHMS prescale pretrig: 163 k $\Sigma e-\pi n$ evts: 7991	COIN pretrig: ✓ k ☒ Data ok ☐ Junk
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35 μ A 3/4 Run

Run Number: 14304	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): 02:33:36 Stop time (RC GUI): 03:00:40	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: ✓ k $e-\pi n$ evts: 173	SHMS prescale pretrig: 127 k $\Sigma e-\pi n$ evts: 7364	COIN pretrig: ✓ k ☒ Data ok ☐ Junk
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35 μ A 3/4 Run

Run Number: 14305	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>8</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): 03:02:26 Stop time (RC GUI): 04:02:24	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 204 k $e-\pi n$ evts: 521	SHMS prescale pretrig: 216 k $\Sigma e-\pi n$ evts: 7885	COIN pretrig: 1078 k ☒ Data ok ☐ Junk
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45 μ A again

Run Number: 14306	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>8</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): 04:03:09 Stop time (RC GUI): 05:03:29	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 192 k $e-\pi n$ evts: 474	SHMS prescale pretrig: 202 k $\Sigma e-\pi n$ evts: 8359	COIN pretrig: 1006 k ☒ Data ok ☐ Junk
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Run Number: 14307	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>8</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): 05:04:03 Stop time (RC GUI): 06:04:43	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 211 k $e-\pi n$ evts: 544	SHMS prescale pretrig: 222 k $\Sigma e-\pi n$ evts: 8903	COIN pretrig: 1107 k ☒ Data ok ☐ Junk
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p(e,e' π)n Run Sheet

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

Date: 22/01/17
yy mm dd

Initials: *fm*

Continuation of Configuration:

$Q^2=3.85$, $W=3.07$, $x=0.31$

low-e part 2, SHMS center

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

Run Number:

14308

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

PS1: 14
PS2: -1
PS3: -1
PS4: 8
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

06:05:19

Stop time (RC GUI):

06:06:42

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 168 k

$e-\pi n$ evts:

470

SHMS prescale
pretrig: 176 k

$\Sigma e-\pi n$ evts:

9373

COIN pretrig: 884 k

☒ Data ok

☐ Junk

Comments:

Run Number:

14309

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

PS1: 14
PS2: -1
PS3: -1
PS4: 8
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

07:07:42

Stop time (RC GUI):

07:11:39

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 16 k

$e-\pi n$ evts:

35

SHMS prescale
pretrig: 16 k

$\Sigma e-\pi n$ evts:

9408

COIN pretrig: 81 k

☒ Data ok

☐ Junk

Comments:

SHMS
2 Show A channels turn off

Run Number:

14310

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

PS1: 14
PS2: -1
PS3: -1
PS4: 8
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

07:17:00

Stop time (RC GUI):

07:18:08

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 74 k

$e-\pi n$ evts:

171

SHMS prescale
pretrig: 78 k

$\Sigma e-\pi n$ evts:

9579

COIN pretrig: 385 k

☒ Data ok

☐ Junk

Comments:

HMS Q1 Interlock

Run Number:

14311

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

PS1: 14
PS2: -1
PS3: -1
PS4: 8
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

9:48

Stop time (RC GUI):

9:50

☐ 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: HV TEST RUN

Run Number:

14312

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

PS1: 14
PS2: -1
PS3: -1
PS4: 8
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

9:51

Stop time (RC GUI):

10:52

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 191 k

$e-\pi n$ evts:

506

SHMS prescale
pretrig: 200 k

$\Sigma e-\pi n$ evts:

10085

COIN pretrig: 990 k

☒ Data ok

☐ Junk

Comments:

Run Number:

14313

- ☐ 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):

11:07

Stop time (RC GUI):

11:08

☐ 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 DIDNT SAVE PRESCALE

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

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

Date: 27 / 01 / 17
yy mm dd

Initials: MMD

Continuation of Configuration:

$Q^2=3.85$ $W=3.07$ $x=0.31$
low E pt2 SHMS center

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

Run Number: <u>14314</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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>11:08</u> Stop time (RC GUI): <u>12:09</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>15</u> k $e-\pi n$ evts: <u>7</u>	SHMS prescale pretrig: <u>12</u> k $\Sigma e-\pi n$ evts: <u>7</u>	COIN pretrig: <u>37</u> k ☒ Data ok ☐ Junk
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Run Number: <u>14315</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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>13:47</u> Stop time (RC GUI): <u>14:48</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>165</u> k $e-\pi n$ evts: <u>60</u>	SHMS prescale pretrig: <u>152</u> k $\Sigma e-\pi n$ evts: <u>67</u>	COIN pretrig: <u>48</u> k ☒ Data ok ☐ Junk
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Run Number: <u>14316</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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>14:48</u> Stop time (RC GUI): <u>15:20</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>165</u> k $e-\pi n$ evts: <u>30</u>	SHMS prescale pretrig: <u>152</u> k $\Sigma e-\pi n$ evts: <u>97</u>	COIN pretrig: <u>24</u> k ☒ Data ok ☐ Junk
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Run Number: <u>14317</u>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>7</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>15:34</u> Stop time (RC GUI): <u>15:37</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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FADC Mode 10

Run Number: <u>14318</u>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>7</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>15:38</u> Stop time (RC GUI): <u>16:38</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>167</u> k $e-\pi n$ evts: <u>627492</u>	SHMS prescale pretrig: <u>170</u> k $\Sigma e-\pi n$ evts: <u>627492</u>	COIN pretrig: <u>426</u> k ☒ Data ok ☐ Junk
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MMD
cut for
set for
LD2

Run Number: <u>14319</u>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>7</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>16:39</u> Stop time (RC GUI): <u>17:39</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>190</u> k $e-\pi n$ evts: <u>670568</u>	SHMS prescale pretrig: <u>196</u> k $\Sigma e-\pi n$ evts: <u>1297160</u>	COIN pretrig: <u>491</u> k ☒ Data ok ☐ Junk
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$p(e,e'\pi)n$ Run Sheet

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

Date: 22/01/17
yy mm dd

Initials: OH

Continuation of Configuration:

$Q2=3.85$ $W=3.07$ $x=0.31$

low ϵ pt 2 SHMS center

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

Run Number: 14320	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>7</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>17:41</u> Stop time (RC GUI): <u>18:40</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>6</u> k $e-\pi n$ evts: <u>2630</u>	SHMS prescale pretrig: <u>5</u> k $\Sigma e-\pi n$ evts: <u>1090</u> <u>1333</u>	COIN pretrig: <u>47</u> k ☒ Data ok ☐ Junk
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Beam gone shortly after start of run, 50k replay may be odd. Almost no beam Very few ~~shots~~ events

Run Number: 14321	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>7</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>18:50</u> Stop time (RC GUI): <u>19:48</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>190</u> k $e-\pi n$ evts: <u>608</u> <u>247</u>	SHMS prescale pretrig: <u>195</u> k $\Sigma e-\pi n$ evts: <u>1618</u> <u>2080</u>	COIN pretrig: <u>487</u> k ☒ Data ok ☐ Junk
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Run Number: 14322	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>7</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>19:50</u> Stop time (RC GUI): <u>20:50</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>191</u> k $e-\pi n$ evts: <u>482</u> <u>703</u>	SHMS prescale pretrig: <u>197</u> k $\Sigma e-\pi n$ evts: <u>2280</u> <u>2783</u>	COIN pretrig: <u>490</u> k ☒ Data ok ☐ Junk
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Run Number: 14323	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>7</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>20:50</u> Stop time (RC GUI): <u>21:50</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>183</u> k $e-\pi n$ evts: <u>671</u> <u>427</u>	SHMS prescale pretrig: <u>188</u> k $\Sigma e-\pi n$ evts: <u>3454</u> <u>2807</u>	COIN pretrig: <u>470</u> k ☒ Data ok ☐ Junk
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Run Number: 14324	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>7</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>21:51</u> Stop time (RC GUI): <u>22:51</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>216</u> k $e-\pi n$ evts: <u>209</u> <u>640</u>	SHMS prescale pretrig: <u>223</u> k $\Sigma e-\pi n$ evts: <u>4263</u> <u>3457</u>	COIN pretrig: <u>552</u> k ☒ Data ok ☐ Junk
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Run Number: 14325	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>7</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>22:52</u> Stop time (RC GUI): <u>23:50</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>191</u> k $e-\pi n$ evts: <u>697</u> <u>574</u>	SHMS prescale pretrig: <u>196</u> k $\Sigma e-\pi n$ evts: <u>4954</u> <u>4931</u>	COIN pretrig: <u>484</u> k ☒ Data ok ☐ Junk
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p(e,e' π)n Run Sheet

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

Date: 22/01/17-18
yy mm dd

Initials: OH

Continuation of Configuration:

$Q^2 = 3.85$ $W = 3.07$ $x = 0.31$

low E pt 2 SHMS center

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

Run Number: 14326	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 3 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 23:51 Stop time (RC GUI): 00:50	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 198 k $e-\pi n$ evts: 667 537	SHMS prescale pretrig: 203 k $\Sigma e-\pi n$ evts: 5621 4568	COIN pretrig: 504 k ☒ Data ok ☐ Junk
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Run Number: 14327	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 7 PS5: 9 PS6: 1 Mode10: cer / fadc	Start time (RC GUI): 00:50 Stop time (RC GUI): 01:47	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 192 k $e-\pi n$ evts: 233 559	SHMS prescale pretrig: 192 k $\Sigma e-\pi n$ evts: 6354 5157	COIN pretrig: 485 k ☒ Data ok ☐ Junk
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Run Number: 14328	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: 10 PS4: -1 PS5: -1 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 01:49 Stop time (RC GUI): 2:22	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 428 k $e-\pi n$ evts: 429 345	SHMS prescale pretrig: 115 k $\Sigma e-\pi n$ evts: 6285 5502	COIN pretrig: 253 k ☒ Data ok ☐ Junk
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HMS 3/4 trigger run: ended right before 3M (2.9M)

Run Number: 14329	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: 10 PS4: -1 PS5: -1 PS6: 0 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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DAQ issue

Run Number: 14330	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: 10 PS4: -1 PS5: -1 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 2:24 Stop time (RC GUI): 2:55	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts: 276 199	SHMS prescale pretrig: 88 k $\Sigma e-\pi n$ evts: 7059 3701	COIN pretrig: 217 k ☒ Data ok ☐ Junk
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=> Errors corrupted data after evt 1340000

Run Number: 14331	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: 10 PS4: 1 PS5: 1 PS6: 0 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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44331, 32, 33, bad (corrupted data) see log entry 3933346

p(e,e' π)n Run Sheet

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

Date: 22/01/18
yy mm dd

Initials: EF

Continuation of Configuration:

$Q^2 = 3.85$, $W = 3.07$, $x = 0.31$

low E part 2 SHMS center

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

Run Number: 14334	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 3 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 3:25 Stop time (RC GUI): 4:25	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 196 k $e-\pi n$ evts: 593	SHMS prescale pretrig: 199 k $\Sigma e-\pi n$ evts: 6294	COIN pretrig: 488 k ☒ Data ok ☐ Junk
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Run Number: 14335	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 3 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 4:25 Stop time (RC GUI): 5:25	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 154 k $e-\pi n$ evts: 457	SHMS prescale pretrig: 156 k $\Sigma e-\pi n$ evts: 6751	COIN pretrig: 388 k ☒ Data ok ☐ Junk
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Run Number: 14336	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 3 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 5:25 Stop time (RC GUI): 6:25	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 188 k $e-\pi n$ evts: 547	SHMS prescale pretrig: 191 k $\Sigma e-\pi n$ evts: 7298	COIN pretrig: 465 k ☒ Data ok ☐ Junk
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Run Number: 14337	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 3 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 6:25 Stop time (RC GUI): 7:23	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 151 k $e-\pi n$ evts: 457	SHMS prescale pretrig: 154 k $\Sigma e-\pi n$ evts: 7755	COIN pretrig: 383 k ☒ Data ok ☐ Junk
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Run Number: 14338	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 3 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 7:24 Stop time (RC GUI): 	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: 6 k $e-\pi n$ evts: 13	SHMS prescale pretrig: 5 k $\Sigma e-\pi n$ evts: 7768	COIN pretrig: 27 k ☐ Data ok ☒ Junk
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~~Not a lot of beam~~ Not a lot of beam

Run Number: 14339	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 14 PS2: -1 PS3: -1 PS4: 3 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 7:53 Stop time (RC GUI): 8:55	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 193 k $e-\pi n$ evts: 599	SHMS prescale pretrig: 199 k $\Sigma e-\pi n$ evts: 8367	COIN pretrig: 504 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: 22 / 01 / 18
yy mm dd

Initials: mm

Continuation of Configuration:

$Q^2=3.85$ $W=3.07$ $x=0.31$

low E part 2 SHMS center

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

Run Number: <u>14340</u>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>7</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>8:55</u> Stop time (RC GUI): <u>9:52</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>190</u> k $e-\pi n$ evts: <u>583</u>	SHMS prescale pretrig: <u>196</u> k $\Sigma e-\pi n$ evts: <u>8950</u>	COIN pretrig: <u>500</u> k ☒ Data ok ☐ Junk
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Run Number: <u>14341</u>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>7</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>9:53</u> Stop time (RC GUI): <u>10:54</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>197</u> k $e-\pi n$ evts: <u>627</u>	SHMS prescale pretrig: <u>202</u> k $\Sigma e-\pi n$ evts: <u>9577</u>	COIN pretrig: <u>512</u> k ☒ Data ok ☐ Junk
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Run Number: <u>14342</u>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>7</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>10:55</u> Stop time (RC GUI): <u>11:54</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>211</u> k $e-\pi n$ evts: <u>638</u>	SHMS prescale pretrig: <u>219</u> k $\Sigma e-\pi n$ evts: <u>10215</u>	COIN pretrig: <u>562</u> 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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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/fpi/

Date: 22/01/18
yy mm dd

Initials: mm

Use a separate sheet for each configuration.

Configuration Name:

$Q^2=3.85$ $W=3.07$ $x=0.31$

low ϵ part 2 SHMS left

E_{beam} : 7.914 GeV

I_{beam} : 70 μA

HMS 1.3320

p : +6 ~~1000~~
From GUI

$\theta(\text{TV})$: 35.12
Nearest 0.005

SHMS 6.5380

p : +/- ~~1000~~
From GUI

$\theta(\text{TV})$: 8.390
Nearest 0.005

Collimator:

HMS: Large Sieve ☒
Optics ☐

SHMS: Collim Sieve ☒

Purpose:

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

Raster: ☒ On ☐ Off
Size: 2x2 mm

Beam position and angle on target:

3H07A	X	Y
<u>-1.2</u> mm		<u>-0.5</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>-1.2</u> mm		<u>-0.5</u> mm
Nomin:		Nomin:

HMS

SHMS

Q1	I-SET (from PSU)	A	I-SET (from PSU)	A
	<u>173.56</u>		<u>2205.95</u>	
Q2	B-HALL	T	B-HALL	T
	<u>0.23040</u>		<u>-13.954</u>	
Q3	I-SET (from PSU)	A	I-SET (from PSU)	A
	<u>137.83</u>		<u>1376.24</u>	
D	B-HALL	T	B-HALL	T
	<u>-0.23810</u>		<u>9.781</u>	
Q1	I-SET (from PSU)	A	I-SET (from PSU)	A
	<u>66.89</u>		<u>2305.24</u>	
Q2	B-HALL	T	B-HALL	T
	<u>0.13261</u>		<u>-21.737</u>	
Q3	I-READ	A	I-SET (from PSU)	A
	<u>406.89</u>		<u>1516.64</u>	
D	B-NMR	T	B-HALL	T
	<u>0.36467</u>		<u>-14.636</u>	
Q1	If momentum increased:		I-SET (from PSU)	A
	☐ HMS cycled? <u>N/A</u>		<u>2085.48</u>	
Q2	☐ SHMS cycled? <u>N/A</u>		B-NMR	T
			<u>15.159</u>	

Run Number:

14343

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

PS1: 12
PS2: -1
PS3: -1
PS4: 7
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

12:04

Stop time (RC GUI):

12:07

- ☐ 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:

MODE 10 FADC

Run Number:

14344

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

PS1: 12
PS2: -1
PS3: -1
PS4: 7
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

12:07

Stop time (RC GUI):

13:09

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

HMS prescale
pretrig: 198 k

$e-\pi n$ evts:

635487

SHMS prescale
pretrig: 269 k

$\Sigma e-\pi n$ evts:

487

COIN pretrig: 211 k

- ☐ Data ok
☐ Junk

Comments:

Run Number:

14345

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

PS1: 12
PS2: -1
PS3: -1
PS4: 7
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

13:10

Stop time (RC GUI):

13:42

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

HMS prescale
pretrig: 180 k

$e-\pi n$ evts:

3047

SHMS prescale
pretrig: 180 k

$\Sigma e-\pi n$ evts:

288

COIN pretrig: 154 k

- ☐ Data ok
☒ Junk

Comments:

No beam

Run Number:

14346

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

PS1: 12
PS2: -1
PS3: -1
PS4: 7
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

13:46

Stop time (RC GUI):

14:43

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

HMS prescale
pretrig: 137 k

$e-\pi n$ evts:

301

SHMS prescale
pretrig: 187 k

$\Sigma e-\pi n$ evts:

788

COIN pretrig: 154 k

- ☒ Data ok
☐ Junk

Comments:

HMS 3/4 trigger for Normal run

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

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

Date: 22/01/18
yy mm dd

Initials: mmD

Continuation of Configuration:

$Q^2=3.85$ $W=3.07$ $x=0.31$
low E part 2 SHMS kft

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

Run Number: 14347	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: 10 PS4: -1 PS5: -1 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 14:44 Stop time (RC GUI): 15:43	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: _____ k $e-\pi n$ evts: 499	SHMS prescale pretrig: 299 k $\Sigma e-\pi n$ evts: 1287	COIN pretrig: _____ k ☒ Data ok ☐ Junk
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HMS 3/4 trigger run

Run Number: 14348	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: -1 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 15:43 Stop time (RC GUI): 16:49:45	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 203 k $e-\pi n$ evts: 485	SHMS prescale pretrig: 276 k $\Sigma e-\pi n$ evts: 1772	COIN pretrig: 26 k ☒ Data ok ☐ Junk
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Run Number: 14349	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 16:50:19 Stop time (RC GUI): 17:51:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 222 k $e-\pi n$ evts: 352	SHMS prescale pretrig: 302 k $\Sigma e-\pi n$ evts: 2324	COIN pretrig: 230 k ☒ Data ok ☐ Junk
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Run Number: 14350	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 17:51:33 Stop time (RC GUI): 18:57:08	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 182 k $e-\pi n$ evts: 438	SHMS prescale pretrig: 246 k $\Sigma e-\pi n$ evts: 2762	COIN pretrig: 195 k ☒ Data ok ☐ Junk
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Maintenance online caused no 'end of run' log

Run Number: 14351	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 18:57:38 Stop time (RC GUI): 20:00:21	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 202 k $e-\pi n$ evts: 464	SHMS prescale pretrig: 273 k $\Sigma e-\pi n$ evts: 3226	COIN pretrig: 209 k ☒ Data ok ☐ Junk
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Maintenance online caused no 'start of run' log

Run Number: 14352	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 20:00:55 Stop time (RC GUI): 20:59:33	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 205 k $e-\pi n$ evts: 465	SHMS prescale pretrig: 294 k $\Sigma e-\pi n$ evts: 3691	COIN pretrig: 209 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: 21²² / 01 / 18
yy mm dd

Initials: JMA

Continuation of Configuration:

$Q^2=3.95$, $W=3.07$, $X=0.31$

Low-6 Part 2 SHMS Left

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

Run Number: 14353	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 21:01:06 Stop time (RC GUI): 22:00:22	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 186 k $e-\pi n$ evts: 424	SHMS prescale pretrig: 251 k $\Sigma e-\pi n$ evts: 4115	COIN pretrig: 192 k ☒ Data ok ☐ Junk
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Run Number: 14354	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 22:00:58 Stop time (RC GUI): 22:48:16	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 164 k $e-\pi n$ evts: 362	SHMS prescale pretrig: 219 k $\Sigma e-\pi n$ evts: 4477	COIN pretrig: 164 k ☒ Data ok ☐ Junk
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SHMS Q1 Interlock

Run Number: 14355	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 00:03:05 Stop time (RC GUI): 01:13:17	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 226 k $e-\pi n$ evts: 546	SHMS prescale pretrig: 302 k $\Sigma e-\pi n$ evts: 5023	COIN pretrig: 226 k ☒ Data ok ☐ Junk
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Run Number: 14356	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 01:44:02 Stop time (RC GUI): 02:08:24	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 189 k $e-\pi n$ evts: 423	SHMS prescale pretrig: 253 k $\Sigma e-\pi n$ evts: 5446	COIN pretrig: 187 k ☒ Data ok ☐ Junk
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Run Number: 14357	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 02:09:22 Stop time (RC GUI): 03:09:04	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 229 k $e-\pi n$ evts: 532	SHMS prescale pretrig: 307 k $\Sigma e-\pi n$ evts: 5978	COIN pretrig: 224 k ☒ Data ok ☐ Junk
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Run Number: 14358	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 03:09:42 Stop time (RC GUI): 04:09:09	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 195 k $e-\pi n$ evts: 493	SHMS prescale pretrig: 261 k $\Sigma e-\pi n$ evts: 6471	COIN pretrig: 194 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: 21/01/19
yy mm dd

Initials: CA

Continuation of Configuration:

$Q^2=3.15$ $W=3.07$ $x=0.131$
Low-t Part 2 SHMS left

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

Run Number: 14359	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 64:09:39 Stop time (RC GUI): 05:10:34	☒ Settings Verified? ☐ HV OK? ☒ 50k OK?	HMS prescale pretrig: 198 k $e-\pi n$ evts: 475	SHMS prescale pretrig: 265 k $\Sigma e-\pi n$ evts: 6946	COIN pretrig: 198 k ☒ Data ok ☐ Junk
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Run Number: 14360	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 05:11:24 Stop time (RC GUI): 06:08:44	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 209 k $e-\pi n$ evts: 508	SHMS prescale pretrig: 281 k $\Sigma e-\pi n$ evts: 7454	COIN pretrig: 206 k ☒ Data ok ☐ Junk
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Run Number: 14361	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 06:09:45 Stop time (RC GUI): 07:03:01	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 182 k $e-\pi n$ evts: 489	SHMS prescale pretrig: 251 k $\Sigma e-\pi n$ evts: 7943	COIN pretrig: 185 k ☒ Data ok ☐ Junk
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Run Number: 14362	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 07:04:11 Stop time (RC GUI): 08:05:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 213 k $e-\pi n$ evts: 540	SHMS prescale pretrig: 286 k $\Sigma e-\pi n$ evts: 8483	COIN pretrig: 214 k ☒ Data ok ☐ Junk
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Run Number: 14363	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 8:05 Stop time (RC GUI): 9:07	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 220 k $e-\pi n$ evts: 554	SHMS prescale pretrig: 298 k $\Sigma e-\pi n$ evts: 9037	COIN pretrig: 222 k ☒ Data ok ☐ Junk
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Run Number: 14364	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 9:07 Stop time (RC GUI): 10:07	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 186 k $e-\pi n$ evts: 420	SHMS prescale pretrig: 284 k $\Sigma e-\pi n$ evts: 9457	COIN pretrig: 196 k ☒ Data ok ☐ Junk
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p(e,e' π)n Run Sheet

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

Date: 22 / 01 / 19
yy mm dd

Initials: hmo

Continuation of Configuration:

$Q^2 = 385$ $W = 3.07$ $x = 0.31$

low t part 2 SHMS left

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

Run Number: 14365	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 7 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 10:08 Stop time (RC GUI): 11:11	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 244 k $e-\pi n$ evts: 522	SHMS prescale pretrig: 292 k $\Sigma e-\pi n$ evts: 9979	COIN pretrig: 222 k ☒ Data ok ☐ Junk
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Run Number: 14366	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 9 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 11:17 Stop time (RC GUI): 12:20	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 173 k $e-\pi n$ evts: 17	SHMS prescale pretrig: 231 k $\Sigma e-\pi n$ evts: 17	COIN pretrig: 42 k ☒ Data ok ☐ Junk
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Change to 10 cm dummy

Run Number: 14367	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 9 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 12:20 Stop time (RC GUI): 12:51	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: 94 k $e-\pi n$ evts: 14	SHMS prescale pretrig: 126 k $\Sigma e-\pi n$ evts: 31	COIN pretrig: 21 k ☒ Data ok ☐ Junk
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Run Number: 14368	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 8 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 13:01 Stop time (RC GUI): 13:03	☒ 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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FAADC mode 10 run

Change to LD2

Run Number: 14369	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 9 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 13:04 Stop time (RC GUI): 14:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 35751 k $e-\pi n$ evts: 348	SHMS prescale pretrig: 232 k $\Sigma e-\pi n$ evts: 348	COIN pretrig: 889 k ☒ Data ok ☐ Junk
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HMS 3/4 run

Run Number: 14370	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 9 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 14:01 Stop time (RC GUI): 14:58	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 150 k $e-\pi n$ evts: 546	SHMS prescale pretrig: 248 k $\Sigma e-\pi n$ evts: 894	COIN pretrig: 961 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: 20²² / 01 / 19
yy mm dd

Initials: mmD

Continuation of Configuration:

$Q^2=3.85$ $W=3.07$ $x=0.31$

low t part 2 SHMS left

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

Run Number: <u>14371</u>	☐ 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>9</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>14:58</u> Stop time (RC GUI): <u>15:55</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>32</u> k $e-\pi n$ evts: <u>127</u>	SHMS prescale pretrig: <u>53</u> k $\Sigma e-\pi n$ evts: <u>1021</u>	COIN pretrig: <u>231</u> k ☒ Data ok ☐ Junk
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Beam went off after ~10 min into the run, stayed off till end

Run Number: <u>14372</u>	☐ 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>9</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>16:52</u> Stop time (RC GUI): <u>17:52</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>163</u> k $e-\pi n$ evts: <u>639</u>	SHMS prescale pretrig: <u>269</u> k $\Sigma e-\pi n$ evts: <u>1660</u>	COIN pretrig: <u>1035</u> k ☒ Data ok ☐ Junk
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Run Number: <u>14373</u>	☒ 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>9</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>17:53</u> Stop time (RC GUI): <u>18:53</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>160</u> k $e-\pi n$ evts: <u>599</u>	SHMS prescale pretrig: <u>262</u> k $\Sigma e-\pi n$ evts: <u>2259</u>	COIN pretrig: <u>1012</u> k ☒ Data ok ☐ Junk
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Run Number: <u>14374</u>	☐ 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>9</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>18:54</u> Stop time (RC GUI): <u>19:54</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>176</u> k $e-\pi n$ evts: <u>686</u>	SHMS prescale pretrig: <u>288</u> k $\Sigma e-\pi n$ evts: <u>2945</u>	COIN pretrig: <u>1111</u> k ☒ Data ok ☐ Junk
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Run Number: <u>14375</u>	☐ 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>9</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>19:54</u> Stop time (RC GUI): <u>20:54</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>164</u> k $e-\pi n$ evts: <u>616</u>	SHMS prescale pretrig: <u>267</u> k $\Sigma e-\pi n$ evts: <u>3561</u>	COIN pretrig: <u>1037</u> k ☒ Data ok ☐ Junk
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Run Number: <u>14376</u>	☐ 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>9</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>20:54</u> Stop time (RC GUI): <u>21:54</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>159</u> k $e-\pi n$ evts: <u>624</u>	SHMS prescale pretrig: <u>258</u> k $\Sigma e-\pi n$ evts: <u>4185</u>	COIN pretrig: <u>1005</u> 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: 22/01/19
yy mm dd

Initials: OH

Continuation of Configuration:

$$Q^2 = 3.85 \quad W = 3.07 \quad x = 0.31$$

low- ϵ , part 2, SHMS left

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

Run Number: 14377	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 9 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 21:54 Stop time (RC GUI): 22:54	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 155 k pretrig: e- π n evts: 600	SHMS prescale 250 k pretrig: Σ e- π n evts: 4785	COIN pretrig: 976 k ☒ Data ok ☐ Junk
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Run Number: 14378	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 9 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 22:54 Stop time (RC GUI): 23:54	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 171 k pretrig: e- π n evts: 4121 673	SHMS prescale 276 k pretrig: Σ e- π n evts: 5211 5458	COIN pretrig: 1080 k ☒ Data ok ☐ Junk
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wrong target in full replay script

Run Number: 14379	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 9 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 23:54 Stop time (RC GUI): 01:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 173 k pretrig: e- π n evts: 4121 653	SHMS prescale 278 k pretrig: Σ e- π n evts: 5211 6111	COIN pretrig: 1096 k ☒ Data ok ☐ Junk
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wrong target in full replay script

Run Number: 14380	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 9 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 01:00 Stop time (RC GUI): 02:00:20	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 179 k pretrig: e- π n evts: 4121 684	SHMS prescale 287 k pretrig: Σ e- π n evts: 5211 6792	COIN pretrig: 1130 k ☒ Data ok ☐ Junk
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wrong target in full replay script

Run Number: 14381	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 9 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 02:00:49 Stop time (RC GUI): 03:03	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 174 k pretrig: e- π n evts: 667	SHMS prescale 279 k pretrig: Σ e- π n evts: 7454	COIN pretrig: 1104 k ☒ Data ok ☐ Junk
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Run Number: 14382	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 9 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 03:04:00 Stop time (RC GUI): 04:07:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 162 k pretrig: e- π n evts: 557	SHMS prescale 259 k pretrig: Σ e- π n evts: 8011	COIN pretrig: 1026 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: 22 / 01 / 20
yy mm dd

Initials: CA

Continuation of Configuration:

$Q^2=3.85$ $W=3.07$ $x=0.31$
low e , part 2, SHMS left

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

Run Number: 14383	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 9 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 04:02:36 Stop time (RC GUI): 05:00:08	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 152 k pretrig: $e-\pi n$ evts: 560	SHMS prescale 241 k pretrig: $\Sigma e-\pi n$ evts: 8571	COIN pretrig: 959 k ☒ Data ok ☐ Junk
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~~Run 14383 replaced~~

Run Number: 14384	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 9 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 05:00:36 Stop time (RC GUI): 06:01:59	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 178 k pretrig: $e-\pi n$ evts: 636	SHMS prescale 282 k pretrig: $\Sigma e-\pi n$ evts: 9207	COIN pretrig: 1131 k ☒ Data ok ☐ Junk
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Run Number: 14385	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 9 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 06:02:31 Stop time (RC GUI): 07:04:31	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 162 k pretrig: $e-\pi n$ evts: 601	SHMS prescale 256 k pretrig: $\Sigma e-\pi n$ evts: 9808	COIN pretrig: 1026 k ☒ Data ok ☐ Junk
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Run Number: 14386	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 9 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 07:05:03 Stop time (RC GUI): 07:32:04	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 67 k pretrig: $e-\pi n$ evts: 230	SHMS prescale 106 k pretrig: $\Sigma e-\pi n$ evts: 10038	COIN pretrig: 424 k ☒ Data ok ☐ Junk
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~~XXXXXX~~ END OF BEAM
EXPECTED

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 _____ k pretrig: $e-\pi n$ evts:	SHMS prescale _____ k pretrig: $\Sigma e-\pi n$ 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 _____ k pretrig: $e-\pi n$ evts:	SHMS prescale _____ k pretrig: $\Sigma e-\pi n$ evts:	COIN pretrig: _____ k ☐ Data ok ☐ Junk
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