

9.9 GEV $Q^2 = 6.00$ $W = 3.19$ MID-E DUMMY TGT RUNS

Run#	MINUTES	Σ MIN	π -EVENTS	$\Sigma \pi$ -EVENTS
$\theta_{SHMS} = 8.60^\circ$ 13315	60	60	10	10
13342	60	120	7	17
13423	88	208	21	38

HMS-3/4 TRIGGER RUNS:

13317, 13429

$\theta_{SHMS} = 6.60^\circ$

13374	60	60	17	17
13375	60	120	18	35
13409	90	210	35	70

HMS-3/4 TRIGGER RUNS:

13360

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

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

Use a separate sheet for each configuration.

Date: 21 / 11 / 16
yy mm dd

Initials: PD

HMS

SHMS

Configuration Name:

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

$z = 0.39$, middle e ,
SHMS LEFT

$E_{\text{beam}} = 9.867$ GeV

$I_{\text{beam}} = 70$ μA

Purpose:

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

Raster: ☒ On ☐ Off

Size: 2×2

Beam position and angle
on target:

3H07A	X	Y
-0.5	mm	0
Nomin:		Nomin:
3H07C	X	Y
-0.9	mm	-0.29
Nomin:		Nomin:

Q1

I-SET (from PSU)	A	I-SET (from PSU)	A
224.661		2748.58	
B-HALL	T	B-HALL	T
0.2978		-17.375	kG
I-SET (from PSU)	A	I-SET (from PSU)	A
178.547		1696.77	
B-HALL	T	B-HALL	T
-0.32182		12.026	kG
I-SET (from PSU)	A	I-SET (from PSU)	A
86.7492		2833.80	
B-HALL	T	B-HALL	T
0.17398		-26.709	kG
I-READ	A	I-SET (from PSU)	A
527.5		1864.61	
B-NMR	T	B-HALL	T
0.47225		-17.983	kG
If momentum increased:		I-SET (from PSU)	A
☐ HMS cycled?		2563.65	
☐ SHMS cycled?		B-NMR	T
		18.565	kG

HB

Q1

Q2

Q3

D

Run Number:

13309

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

PS1: 12
PS2: -1
PS3: -1
PS4: 6
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

20:53

Stop time (RC GUI):

21:53

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

HMS prescale
pretrig: 192 k

$e-\pi n$ evts:

297

SHMS prescale
pretrig: 201 k

$\Sigma e-\pi n$ evts:

297

COIN
pretrig: 102 k

- ☒ Data ok
☐ Junk

Comments:

Run Number:

13310

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

PS1: 12
PS2: -1
PS3: -1
PS4: 6
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
pretrig: 189 k

$e-\pi n$ evts:

304

SHMS prescale
pretrig: 197 k

$\Sigma e-\pi n$ evts:

601

COIN
pretrig: 100 k

- ☒ Data ok
☐ Junk

Comments:

Run Number:

13311

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

PS1: 12
PS2: -1
PS3: -1
PS4: 6
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

22:55

Stop time (RC GUI):

22:57

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

HMS prescale
pretrig: k

$e-\pi n$ evts:

SHMS prescale
pretrig: k

$\Sigma e-\pi n$ evts:

COIN
pretrig: k

- ☐ Data ok
☐ Junk

Comments:

FADC mode 10 run.

Run Number:

13312

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

PS1: 12
PS2: -1
PS3: -1
PS4: 6
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

22:59

Stop time (RC GUI):

23:59

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

HMS prescale
pretrig: 167 k

$e-\pi n$ evts:

280

SHMS prescale
pretrig: 173 k

$\Sigma e-\pi n$ evts:

881

COIN
pretrig: 92 k

- ☒ Data ok
☐ Junk

Comments:

Adjusted HMS Dipole. See hcolg 3944962

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

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

Date: 21 / 11 / 17
yy mm dd

Initials: PD/AI

Continuation of Configuration:

$Q = 6.0$, $W = 3.19$,

$x = 0.39$, MIDDLE ϵ ,
SHMS LEFT

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

Run Number: 13313	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 23:59 Stop time (RC GUI): 01-00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 211 k $e-\pi n$ evts: 376	SHMS prescale pretrig: 220 k $\Sigma e-\pi n$ evts: 1257	COIN pretrig: 109 k ☒ Data ok ☐ Junk
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Run Number: 13314	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 01-02 Stop time (RC GUI): 01-42	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 101 k $e-\pi n$ evts: 160	SHMS prescale pretrig: 105 k $\Sigma e-\pi n$ evts: 1417	COIN pretrig: 58 k ☒ Data ok ☐ Junk
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Run Number: 13315	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 02-22 Stop time (RC GUI): 03-22	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 60 k $e-\pi n$ evts: 10	SHMS prescale pretrig: 27 k $\Sigma e-\pi n$ evts: 1427	COIN pretrig: 39 k ☒ Data ok ☐ Junk
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Run Number: 13316	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 03-31 Stop time (RC GUI): 04-30	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 193 k $e-\pi n$ evts: 331	SHMS prescale pretrig: 202 k $\Sigma e-\pi n$ evts: 1758	COIN pretrig: 101 k ☒ Data ok ☐ Junk
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Run Number: 13317	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: 8 PS4: -1 PS5: -1 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 04-33 Stop time (RC GUI): 05-35	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 6407 $e-\pi n$ evts: 322	SHMS prescale pretrig: 202 k $\Sigma e-\pi n$ evts: 2080	COIN pretrig: 102 k ☒ Data ok ☐ Junk
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HMS 3/4 Trigger Run

Run Number: 13319	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 05-38 Stop time (RC GUI): 06-33	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 158 k $e-\pi n$ evts: 273	SHMS prescale pretrig: 165 k $\Sigma e-\pi n$ evts: 2353	COIN pretrig: 86 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: 21 / 11 / 17
yy mm dd

Initials: AU/PD

Continuation of Configuration:

$Q^2 = 6.0$, $W = 3.19$
Mid e, SHMS left

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

Run Number: 13320	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 06:34 Stop time (RC GUI): 07:30	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 155 k $e-\pi n$ evts: 240	SHMS prescale pretrig: 161 k $\Sigma e-\pi n$ evts: 2593	COIN pretrig: 86 k ☒ Data ok ☐ Junk
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Run Number: 13321	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 07:31 Stop time (RC GUI): 08:39	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 186 k $e-\pi n$ evts: 332	SHMS prescale pretrig: 194 k $\Sigma e-\pi n$ evts: 2925	COIN pretrig: 105 k ☒ Data ok ☐ Junk
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Run Number: 13322	☐ 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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Bad beam

Run Number: 13323	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 18:34 Stop time (RC GUI): 19:39	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 68 k $e-\pi n$ evts: 123	SHMS prescale pretrig: 63 k $\Sigma e-\pi n$ evts: 3048	COIN pretrig: 55 k ☒ Data ok ☐ Junk
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60 μ A. MCC having trouble sending 70 μ A.

Run Number: 13324	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 19:40 Stop time (RC GUI): 20:27	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 108 k $e-\pi n$ evts: 200	SHMS prescale pretrig: 108 k $\Sigma e-\pi n$ evts: 3248	COIN pretrig: 60 k ☒ Data ok ☐ Junk
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$\sim 65 \mu$ A (60-67 μ A) MCC was trying to investigate the source of loss. Current was fluctuating a lot. We stopped the run when MCC called us to say that they are gonna take the beam away for 30-40 min to steer the A2 aperture interception out.

Run Number: 13325	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 21:15 Stop time (RC GUI): 22:23	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 239 k $e-\pi n$ evts: 387	SHMS prescale pretrig: 253 k $\Sigma e-\pi n$ evts: 3635	COIN pretrig: 124 k ☒ Data ok ☐ Junk
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70 μ A (MCC was successful in fixing the problem)

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

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

Date: 21 / 11 / 17
yy mm dd

Initials: PD

Continuation of Configuration:

$Q^2 = 6.0$, $W = 3.19$,

Mid E, SHMS left

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

Run Number: 13326	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 22:23 Stop time (RC GUI): 23:25	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 210 k SHMS prescale 223 k COIN pretrig: 110 k e- π n evts: 356 Σ e- π n evts: 3991	☒ Data ok ☐ Junk
Comments: 70 μ A						

Run Number: 13327	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 23:26 Stop time (RC GUI): 00-34	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 214 k SHMS prescale 227 k COIN pretrig: 115 k e- π n evts: 361 Σ e- π n evts: 4352	☒ Data ok ☐ Junk
Comments: 70 μ A						

Run Number: 13328	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 00-35 Stop time (RC GUI): 01-31	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 163 k SHMS prescale 172 k COIN pretrig: 89 k e- π n evts: 282 Σ e- π n evts: 4634	☒ Data ok ☐ Junk
Comments:						

Run Number: 13329	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 01-32 Stop time (RC GUI): 02-33	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 204 k SHMS prescale 215 k COIN pretrig: 106 k e- π n evts: 332 Σ e- π n evts: 4966	☒ Data ok ☐ Junk
Comments:						

Run Number: 13330	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 02-34 Stop time (RC GUI): 03-39	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 178 k SHMS prescale 188 k COIN pretrig: 100 k e- π n evts: 294 Σ e- π n evts: 5290	☒ Data ok ☐ Junk
Comments:						

Run Number: 13331	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 03-40 Stop time (RC GUI): 04-53	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 263 k SHMS prescale 280 k COIN pretrig: 135 k e- π n evts: 463 Σ e- π n evts: 5753	☒ Data ok ☐ Junk
Comments:						

p(e,e'π)n Run Sheet

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

Date: 21/11/18
yy mm dd

Initials: AU

Continuation of Configuration:

$Q^2 \approx 6.0$, $W = 3.19$
M.d G, SHMS left

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

Run Number: 13332	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 04-55 Stop time (RC GUI): 05-51	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 157 k pretrig: 283 e-πn evts: 4 282	SHMS prescale 165 k pretrig: 280 Σ e-πn evts: 6035	COIN pretrig: 87 k ☒ Data ok ☐ Junk
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Run Number: 13333	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 05-52 Stop time (RC GUI): 06-50	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 173 k pretrig: e-πn evts: 302	SHMS prescale 182 k pretrig: Σ e-πn evts: 6337	COIN pretrig: 93 k ☒ Data ok ☐ Junk
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Run Number: 13334	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 06-51 Stop time (RC GUI): 07-48	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 171 k pretrig: e-πn evts: 305	SHMS prescale 182 k pretrig: Σ e-πn evts: 6642	COIN pretrig: 94 k ☒ Data ok ☐ Junk
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Run Number: 13335	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 07-49 Stop time (RC GUI): 08:49	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 178 k pretrig: e-πn evts: 302	SHMS prescale 188 k pretrig: Σ e-πn evts: 6944	COIN pretrig: 97 k ☒ Data ok ☐ Junk
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Run Number: 13336	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 9:05 9:06 Stop time (RC GUI): 9:20	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale k pretrig: e-πn evts: -	SHMS prescale k pretrig: Σ e-πn evts: -	COIN pretrig: k ☐ Data ok ☒ Cosmics ☐ Junk
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No beam : cosmics. → in fact essentially EDM triggers... ie junk

Run Number: 13337	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 9:28 Stop time (RC GUI): 10:24	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 185 k pretrig: e-πn evts: 242	SHMS prescale 164 k pretrig: Σ e-πn evts: 7191	COIN pretrig: 88 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: 21/11/18
yy mm dd

Initials: EF

Continuation of Configuration:

$Q^2 = 6.0 \text{ GeV}^2$ $W = 3.196 \text{ GeV}$

mid E, SHMS left

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

Run Number: 13338	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 10:28 Stop time (RC GUI): 11:23	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 21 k $e-\pi n$ evts: 36	SHMS prescale pretrig: 21 k $\Sigma e-\pi n$ evts: 7227	COIN pretrig: 40 k ☒ Data ok ☐ Junk
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Beam the first ~ 5 min...

Run Number: 13339	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 12:02 Stop time (RC GUI): 12:55	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 134 k $e-\pi n$ evts: 261	SHMS prescale pretrig: 142 k $\Sigma e-\pi n$ evts: 7488	COIN pretrig: 77 k ☒ Data ok ☐ Junk
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*BPM Epics plot to 0 because of the first 1k w/o beam; otherwise OK.

Run Number: 13340	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 12:56 Stop time (RC GUI): 14:00 14:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 214 k $e-\pi n$ evts: 361	SHMS prescale pretrig: 228 k $\Sigma e-\pi n$ evts: 7849	COIN pretrig: 113 k ☒ Data ok ☐ Junk
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Run Number: 13341	☐ 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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WRONG PRESCALES (sorry, had not hit "save")

Run Number: 13342	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 8 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 14:13 Stop time (RC GUI): 15:13	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 362 k $e-\pi n$ evts: 7	SHMS prescale pretrig: 381 k $\Sigma e-\pi n$ evts: 7856	COIN pretrig: 38 k ☒ Data ok ☐ Junk
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Run Number: 13343	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 15:25 Stop time (RC GUI): 16:29	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 161 k $e-\pi n$ evts: 264	SHMS prescale pretrig: 171 k $\Sigma e-\pi n$ evts: 8113	COIN pretrig: 84 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 / 11 / 18
yy mm dd

Initials: PD

Continuation of Configuration:

$Q^2 = 6.0$, $W = 3.19$,
middle e , SHMS LEFT

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

Run Number: 13344	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>ce</u> / fadc	Start time (RC GUI): 16:30 Stop time (RC GUI): 17:30	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 172 k $e-\pi n$ evts: 276	SHMS prescale: 182 k $\Sigma e-\pi n$ evts: 8389	COIN pretrig: 95 k ☒ Data ok ☒ Junk
Comments: 70 μA							

Run Number: 13345	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>ce</u> / fadc	Start time (RC GUI): 17:31 Stop time (RC GUI): 18:40	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 219 k $e-\pi n$ evts: 347	SHMS prescale: 232 k $\Sigma e-\pi n$ evts: 8736	COIN pretrig: 116 k ☒ Data ok ☐ Junk
Comments: 70 μA							

Run Number: 13346	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>ce</u> / fadc	Start time (RC GUI): 18:40 Stop time (RC GUI): 19:40	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 217 k $e-\pi n$ evts: 375	SHMS prescale: 231 k $\Sigma e-\pi n$ evts: 9111	COIN pretrig: 111 k ☒ Data ok ☐ Junk
Comments: 70 μA							

Run Number: 13347	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>ce</u> / fadc	Start time (RC GUI): 19:41 Stop time (RC GUI): 20:53	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 253 k $e-\pi n$ evts: 433	SHMS prescale: 269 k $\Sigma e-\pi n$ evts: 9544	COIN pretrig: 131 k ☒ Data ok ☐ Junk
Comments: 70 μA							

Run Number: 13348	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>ce</u> / fadc	Start time (RC GUI): 20:54 Stop time (RC GUI): 22:01	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 221 k $e-\pi n$ evts: 433 372	SHMS prescale: 234 k $\Sigma e-\pi n$ evts: 9916	COIN pretrig: 117 k ☒ Data ok ☐ Junk
Comments: 70 μA							

Run Number: 13349	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>ce</u> / fadc	Start time (RC GUI): 22:01 Stop time (RC GUI): 23:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 187 k $e-\pi n$ evts: 338	SHMS prescale: 198 k $\Sigma e-\pi n$ evts: 10254	COIN pretrig: 100 k ☐ Data ok ☐ Junk
Comments: 70 μA							

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

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

Date: 21/11/18
yy mm dd

Initials: PD

Continuation of Configuration:

$Q^2 = 6.0$, $W = 3.19$,
middle e , SHMS LEFT

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

Run Number: 13350	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 23:01 Stop time (RC GUI): 00:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 168 k $e-\pi n$ evts: 254	SHMS prescale pretrig: 178 k $\Sigma e-\pi n$ evts: 10513	COIN pretrig: 93 k ☒ Data ok ☐ Junk
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Comments:

70 μ A

Run Number: 13351	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 00:01 Stop time (RC GUI): 00:13	☒ 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
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Comments:

70 μ A

JUNK

Run Number: 13352	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 02:35 Stop time (RC GUI): 03:34	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 208 k $e-\pi n$ evts: 332	SHMS prescale pretrig: 222 k $\Sigma e-\pi n$ evts: 10845	COIN pretrig: 108 k ☒ Data ok ☐ Junk
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Comments:

Run Number: 13353	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 03:34 Stop time (RC GUI): 04:35	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 176 k $e-\pi n$ evts: 260	SHMS prescale pretrig: 186 k $\Sigma e-\pi n$ evts: 11105	COIN pretrig: 97 k ☒ Data ok ☐ Junk
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Comments:

Run Number: 13354	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 04:36 Stop time (RC GUI): 05:39	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 204 k $e-\pi n$ evts: 380	SHMS prescale pretrig: 215 k $\Sigma e-\pi n$ evts: 11485	COIN pretrig: 107 k ☒ Data ok ☐ Junk
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Comments:

Run Number: 13355	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 05:39 Stop time (RC GUI): 06:37	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 175 k $e-\pi n$ evts: 305	SHMS prescale pretrig: 184 k $\Sigma e-\pi n$ evts: 11790	COIN pretrig: 94 k ☒ Data ok ☐ Junk
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Comments:

p(e,e' π)n Run Sheet

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

Date 2/11/19
yy mm dd

Initials: AU

Continuation of Configuration:

$Q^2 = 6.0$, $W = 3.19$

Mod. E, SHMS left

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

Run Number: 13356	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 06-38 Stop time (RC GUI): 07-35	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 183 k $e-\pi n$ evts: 337	SHMS prescale pretrig: 189 k $\Sigma e-\pi n$ evts: 12127	COIN pretrig: 92 k ☒ Data ok ☐ Junk
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There was small period of 50 uA otherwise 70 uA

Run Number: 13357	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 07-36 Stop time (RC GUI): 8:33	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 126 k $e-\pi n$ evts: 212	SHMS prescale pretrig: 131 k $\Sigma e-\pi n$ evts: 12539	COIN pretrig: 76 k ☒ Data ok ☐ Junk
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Run Number: 13358	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>6</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): Stop time (RC GUI): 	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts:	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☐ Data ok ☒ Junk
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No beam (going to Controlled access)

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/

Use a separate sheet for each configuration.

Date: 2011/1/19
yy mm dd

Initials: *JS*

HMS

SHMS

Configuration Name:
 $Q^2 = 6$, $W = 3.9$
middle Z , center

Purpose:

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

Raster: ☒ On ☐ Off
Size:

Beam position and angle on target:

3H07A	X	Y
-0.5	mm	0
Nomin:		Nomin:
3H07C	X	Y
-0.9	mm	-0.3
Nomin:		Nomin:

E_{beam} : 9.866 GeV I_{beam} : 70 μA

Q1	I-SET (from PSU)	A	I-SET (from PSU)	A	HB
	224.661		2748.52		
Q2	B-HALL	T	B-HALL	kg	Q1
	0.29950		-17.371		
Q3	I-SET (from PSU)	A	I-SET (from PSU)	A	Q2
	178.547		1696.77		
	B-HALL	T	B-HALL	kg	
	-0.31913		12.025		
D	I-SET (from PSU)	A	I-SET (from PSU)	A	Q3
	86.7492		2833.80		
	B-HALL	T	B-HALL	kg	
	0.16978		-28.70		
D	I-READ	A	I-SET (from PSU)	A	D
	526.62		1864.61		
	B-NMR	T	B-HALL	kg	
	0.472258		-17.983		
D	If momentum increased:		I-SET (from PSU)	A	D
	☐ HMS cycled? ☐ SHMS cycled?		2563.65		
			B-NMR	kg	
			18.558		

HMS
 p : +1.725 $\theta(\text{TV})$: 34.52
From GUI Nearest 0.005

SHMS
 p : -8.0350 $\theta(\text{TV})$: 6.595
From GUI Nearest 0.005

Collimator: HMS: Large Sieve ☒ SHMS: Collim Sieve ☒

Run Number: 13359	☒ 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): 15:52 Stop time (RC GUI): 15:54	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts:	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☐ Data ok ☐ Junk
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FADC mode 10

Run Number: 13360	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐	PS1: 14 PS2: -1 PS3: 8 PS4: -1 PS5: -1 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 15:56 Stop time (RC GUI): 17:05	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 6458 k $e-\pi n$ evts: 406	SHMS prescale pretrig: 181 k $\Sigma e-\pi n$ evts: 406	COIN pretrig: 268 k ☒ Data ok ☐ Junk
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HMS 3/4 run

Run Number: 13361	☒ 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): 17:07 Stop time (RC GUI): 18:11	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 203 k $e-\pi n$ evts: 442	SHMS prescale pretrig: 188 k $\Sigma e-\pi n$ evts: 848	COIN pretrig: 273 k ☒ Data ok ☐ Junk
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production

Run Number: 13362	☒ 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 Stop time (RC GUI): 19:09	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 202 k $e-\pi n$ evts: 460	SHMS prescale pretrig: 187 k $\Sigma e-\pi n$ evts: 1308	COIN pretrig: 268 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: 21/11/19
yy mm dd

Initials: S.L.

Use a separate sheet for each configuration.

Configuration Name: _____

$Q^2 = 6$ $W = 3.19$

middle E. center

E_{beam} : 9.866 GeV

I_{beam} : 70 μA

Purpose:

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

Raster: ☒ On ☐ Off
Size: _____

Beam position and angle on target:

3H07A	X	Y
-0.5	mm	0.0
Nomin:	-0.5	Nomin: 0.0
3H07C	X	Y
-0.9	mm	-0.3
Nomin:	-0.9	Nomin: -0.3

HMS

SHMS

Q1	I-SET (from PSU) B-HALL 224.71 A 0.29790 T	I-SET (from PSU) B-HALL 2747.4 A -17.374 kG	HB
Q2	I-SET (from PSU) B-HALL 178.55 A -0.32098 T	I-SET (from PSU) B-HALL 1696.4 A 12.026 kG	Q1
Q3	I-SET (from PSU) B-HALL 86.70 A 0.17067 T	I-SET (from PSU) B-HALL 2832.92 A -26.710 kG	Q2
D	I-READ B-NMR 526.59 A 0.47480 T	I-SET (from PSU) B-HALL 1864.04 A -17.981 kG	Q3
	If momentum increased: ☐ HMS cycled? ☐ SHMS cycled?	I-SET (from PSU) B-NMR 2562.88 A 18.558 kG	D

Run Number:

13363

- ☒ 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):

19:09

Stop time (RC GUI):

20:12

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

HMS prescale
pretrig: 77 k

$e-\pi n$ evts:

164

SHMS prescale
pretrig: 69 k

$\Sigma e-\pi n$ evts:

1472

COIN pretrig: 120 k

- ☒ Data ok
☐ Junk

Comments:

prod. beam off at 19:23, very trippy beam

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: 77 k

$e-\pi n$ evts:

SHMS prescale
pretrig: 69 k

$\Sigma e-\pi n$ evts:

COIN pretrig: 120 k

- ☐ Data ok
☐ Junk

Comments:

Run Number:

13364

- ☒ 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):

22:07

Stop time (RC GUI):

23:17

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

HMS prescale
pretrig: 153 k

$e-\pi n$ evts:

305

SHMS prescale
pretrig: 141 k

$\Sigma e-\pi n$ evts:

1777

COIN pretrig: 218 k

- ☒ Data ok
☐ Junk

Comments:

Run Number:

13365

- ☒ 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):

23:17

Stop time (RC GUI):

00:25

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

HMS prescale
pretrig: 242 k

$e-\pi n$ evts:

526

SHMS prescale
pretrig: 228 k

$\Sigma e-\pi n$ evts:

2403

COIN pretrig: 326 k

- ☒ Data ok
☐ Junk

Comments:

p(e,e'π)n Run Sheet

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

Date: 21/11/20
yy mm dd

Initials: NH

Continuation of Configuration:

$Q^2 = 6$ $W = 3.19$

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

Middle E, SHMS Center

Run Number: 13366	☒ 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): 00:26 Stop time (RC GUI): 1:30	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 219 k e-πn evts: 511	SHMS prescale pretrig: 203 k Σ e-πn evts: 2914	COIN pretrig: 294 k ☒ Data ok ☐ Junk
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Run Number: 13367	☒ 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): 1:31 Stop time (RC GUI): 2:33	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 228 k e-πn evts: 470	SHMS prescale pretrig: 211 k Σ e-πn evts: 3384	COIN pretrig: 301 k ☒ Data ok ☐ Junk
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Run Number: 13368	☒ 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): 2:33 Stop time (RC GUI): 3:33	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 216 k e-πn evts: 455	SHMS prescale pretrig: 200 k Σ e-πn evts: 3839	COIN pretrig: 286 k ☒ Data ok ☐ Junk
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Run Number: 13369	☒ 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): 3:33 Stop time (RC GUI): 4:33	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 198 k e-πn evts: 428	SHMS prescale pretrig: 183 k Σ e-πn evts: 4267	COIN pretrig: 263 k ☒ Data ok ☐ Junk
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Run Number: 13370	☒ 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): 4:33 Stop time (RC GUI): 5:33	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 216 k e-πn evts: 487	SHMS prescale pretrig: 200 k Σ e-πn evts: 4754	COIN pretrig: 285 k ☒ Data ok ☐ Junk
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Run Number: 13371	☒ 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): 5:33 Stop time (RC GUI): 6:33	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 202 k e-πn evts: 408	SHMS prescale pretrig: 186 k Σ e-πn evts: 5162	COIN pretrig: 267 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 / 11 / 20
yy mm dd

Initials: NH

Continuation of Configuration:

$Q^2 = 6$ $W = 3.19$
Middle E : SHMS center

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

Run Number: 13372	☒ 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): 6:33 Stop time (RC GUI): 7:33	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 177 k $e-\pi n$ evts: 376	SHMS prescale pretrig: 162 k $\Sigma e-\pi n$ evts: 5538	COIN pretrig: 237 k ☒ Data ok ☐ Junk
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Run Number: 13373	☒ 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): 7:33 Stop time (RC GUI): 8:31	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 205 k $e-\pi n$ evts: 422	SHMS prescale pretrig: 188 k $\Sigma e-\pi n$ evts: 5960	COIN pretrig: 269 k ☒ Data ok ☐ Junk
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HMS Q3 crash @ end

Run Number: 13374	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 11:34 Stop time (RC GUI): 12:32	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 199 k $e-\pi n$ evts: 17	SHMS prescale pretrig: 296 k $\Sigma e-\pi n$ evts: N/A	COIN pretrig: 41 k ☒ Data ok ☐ Junk
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Dummy

Run Number: 13375	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 12:33 Stop time (RC GUI): 13:33	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 210 k $e-\pi n$ evts: 18	SHMS prescale pretrig: 313 k $\Sigma e-\pi n$ evts: N/A	COIN pretrig: 43 k ☒ Data ok ☐ Junk
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Dummy

Run Number: 13376	☒ 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): 13:41 Stop time (RC GUI): 14:41	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 184 k $e-\pi n$ evts: 385	SHMS prescale pretrig: 171 k $\Sigma e-\pi n$ evts: 6345	COIN pretrig: 254 k ☒ Data ok ☐ Junk
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Run Number: 13377	☒ 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): 14:42 Stop time (RC GUI): 15:40	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 197 k $e-\pi n$ evts: 399	SHMS prescale pretrig: 184 k $\Sigma e-\pi n$ evts: 6744	COIN pretrig: 269 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 / 11 / 20
yy mm dd

Initials: *OS*

Continuation of Configuration:

$Q^2 = 6$, $W = 3.9$
middle z , SHMS center

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

Run Number: 13378	☒ 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): 15:40 Stop time (RC GUI): 16:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 14 k $e-\pi n$ evts: 37	SHMS prescale pretrig: 13 k $\Sigma e-\pi n$ evts: 6781	COIN pretrig: 28 k ☒ Data ok ☐ Junk
Comments: End run when beam off. 55 k evts							

Run Number: 13379	☒ 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): 16:45 Stop time (RC GUI): 17:45	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 188 k $e-\pi n$ evts: 387	SHMS prescale pretrig: 175 k $\Sigma e-\pi n$ evts: 4168	COIN pretrig: 260 k ☒ Data ok ☐ Junk
Comments: 615 k EVTS							

Run Number: 13380	☒ 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): 17:46 Stop time (RC GUI): 18:45	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 206 k $e-\pi n$ evts: 474	SHMS prescale pretrig: 192 k $\Sigma e-\pi n$ evts: 7642	COIN pretrig: 281 k ☒ Data ok ☐ Junk
Comments: 671 k EVTS							

Run Number: 13381	☒ 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): 18:46 Stop time (RC GUI): 19:44:59	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 167 k $e-\pi n$ evts: 372	SHMS prescale pretrig: 155 k $\Sigma e-\pi n$ evts: 8014	COIN pretrig: 231 k ☒ Data ok ☐ Junk
Comments: 545 k evts							

Run Number: 13382	☒ 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): 19:45 Stop time (RC GUI): 20:46	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 209 k $e-\pi n$ evts: 421	SHMS prescale pretrig: 194 k $\Sigma e-\pi n$ evts: 8435	COIN pretrig: 283 k ☒ Data ok ☐ Junk
Comments: 677 k EVTS							

Run Number: 13383	☒ 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): 20:47 Stop time (RC GUI): 21:45	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 200 k $e-\pi n$ evts: 423	SHMS prescale pretrig: 186 k $\Sigma e-\pi n$ evts: 8858	COIN pretrig: 271 k ☒ Data ok ☐ Junk
Comments: 649 k evts							

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

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

Date: 21/11/20
yy mm dd

Initials: GH

Continuation of Configuration:

$Q^2 = 6.0$ $W = 3.19$
9.96eV center $SMS = 6.6$

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

Run Number: 13384	☒ 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): 21:46 Stop time (RC GUI): 22:45	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 197 k $e-\pi n$ evts: 416	SHMS prescale pretrig: 182 k $\Sigma e-\pi n$ evts: 9274	COIN pretrig: 265 k ☒ Data ok ☐ Junk
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636 k evts

Run Number: 13385	☒ 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): 22:46 Stop time (RC GUI): 23:45	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 220 k $e-\pi n$ evts: 475	SHMS prescale pretrig: 208 k $\Sigma e-\pi n$ evts: 9749	COIN pretrig: 292 k ☒ Data ok ☐ Junk
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708 k evts

Run Number: 13386	☒ 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): 23:46 Stop time (RC GUI): 00:47	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 220 k $e-\pi n$ evts: 504	SHMS prescale pretrig: 209 k $\Sigma e-\pi n$ evts: 10253	COIN pretrig: 299 k ☒ Data ok ☐ Junk
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Run Number: 13387	☒ 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): 00:47 Stop time (RC GUI): 1:52	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 188 k $e-\pi n$ evts: 419	SHMS prescale pretrig: 173 k $\Sigma e-\pi n$ evts: 10672	COIN pretrig: 254 k ☒ Data ok ☐ Junk
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Run Number: 13388	☒ 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): 1:53 Stop time (RC GUI): 2:53	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 188 k $e-\pi n$ evts: 396	SHMS prescale pretrig: 173 k $\Sigma e-\pi n$ evts: 11068	COIN pretrig: 252 k ☒ Data ok ☐ Junk
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Run Number: 13389	☒ 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): 2:54 Stop time (RC GUI): 3:59	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 218 k $e-\pi n$ evts: 456	SHMS prescale pretrig: 200 k $\Sigma e-\pi n$ evts: 11524	COIN pretrig: 290 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: 21 / 11 / 21
yy mm dd

Initials: *VP*

Continuation of Configuration:

$Q^2 = 6.0$ $W = 3.19$

Middle E, SHMS center

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

Run Number: 13390	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>6</u> PS4: <u>0</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 3:59 Stop time (RC GUI): 4:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 232 k e- π n evts: 530	SHMS prescale pretrig: 214 k Σ e- π n evts: 12054	COIN pretrig: 304 k ☒ Data ok ☐ Junk
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Comments:

Coda crash on Finish

Run Number: 13391	☒ 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- π n evts: _____	SHMS prescale pretrig: _____ k Σ e- π n evts: _____	COIN pretrig: _____ k ☐ Data ok ☒ Junk
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Comments:

Coda crash, had to rcoda

Run Number: 13392	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>6</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 5:03 Stop time (RC GUI): 6:03	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 188 k e- π n evts: 390	SHMS prescale pretrig: 172 k Σ e- π n evts: 12444	COIN pretrig: 251 k ☒ Data ok ☐ Junk
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Comments:

Run Number: 13393	☒ 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: cer / fadc	Start time (RC GUI): 6:04 Stop time (RC GUI): 7:01	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 183 k e- π n evts: 389	SHMS prescale pretrig: 166 k Σ e- π n evts: 12833	COIN pretrig: 238 k ☒ Data ok ☐ Junk
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Comments:

Run Number: 13394	☒ 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: cer / fadc	Start time (RC GUI): 7:01 Stop time (RC GUI): 8:01	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 217 k e- π n evts: 481	SHMS prescale pretrig: 200 k Σ e- π n evts: 13314	COIN pretrig: 287 k ☒ Data ok ☐ Junk
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Comments:

Run Number: 13395	☒ 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: cer / fadc	Start time (RC GUI): 08:01 Stop time (RC GUI): 09:01	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 203 k e- π n evts: 446	SHMS prescale pretrig: 187 k Σ e- π n evts: 13760	COIN pretrig: 271 k ☒ Data ok ☐ Junk
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Comments:

p(e,e' π)n Run Sheet

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

Date: 21 / 11 / 21
yy mm dd

Initials: SJK

Continuation of Configuration:

$Q^2 = 6.0$, $W = 3.19$
Middle E , SHMS Cent

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

Run Number: 13396	☒ 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 / fddc	Start time (RC GUI): 09:01 Stop time (RC GUI): 10:01	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 181 k SHMS prescale 167 k e- π n evts: 369 Σ e- π n evts: 14129	COIN pretrig: 246 k ☒ Data ok ☐ Junk
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Beam off for ~5-10 minutes towards end

Run Number: 13397	☒ 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 / fddc	Start time (RC GUI): 10:01 Stop time (RC GUI): 11:01	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 220 k SHMS prescale 203 k e- π n evts: 455 Σ e- π n evts: 14584	COIN pretrig: 294 k ☒ Data ok ☐ Junk
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Run Number: 13398	☒ 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 / fddc	Start time (RC GUI): 11:01 Stop time (RC GUI): 12:01	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 216 k SHMS prescale 200 k e- π n evts: 452 Σ e- π n evts: 15036	COIN pretrig: 241 k ☒ Data ok ☐ Junk
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ISSK

Run Number: 13399	☒ 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 / fddc	Start time (RC GUI): 12:01 Stop time (RC GUI): 13:05	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 215 k SHMS prescale 143 k e- π n evts: 308 Σ e- π n evts: 15344	COIN pretrig: 221 k ☒ Data ok ☐ Junk
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Choppy beam throughout

Run Number: 13400	☒ 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 / fddc	Start time (RC GUI): 13:06 Stop time (RC GUI): 14:01	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 172 k SHMS prescale 159 k e- π n evts: 390 Σ e- π n evts: 15734	COIN pretrig: 235 k ☒ Data ok ☐ Junk
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Beam down at start

Run Number: 13401	☒ 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 / fddc	Start time (RC GUI): 14:02 Stop time (RC GUI): 14:17	☒ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale / k SHMS prescale / k e- π n evts: / Σ e- π n evts: /	COIN pretrig: / k ☐ Data ok ☒ Junk
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NO beam

p(e,e'π)n Run Sheet

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

Date: 21 / 11 / 21
yy mm dd

Initials: SJK

Continuation of Configuration:

$Q^2 = 6.0$ $q_w = 3.19$

Middle E_γ SHMS Cent

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

Run Number: 13402	☒ 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): 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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Junk no beam

Run Number: 13403	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 16:32 Stop time (RC GUI): 18:02	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 300 k e-πn evts: 35	SHMS prescale pretrig: 4411 k Σ e-πn evts: N/A	COIN pretrig: 64 k ☒ Data ok ☐ Junk
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Dummy

Run Number: 13404	☒ 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): 18:09 Stop time (RC GUI): 19:08	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 190 k e-πn evts: 381	SHMS prescale pretrig: 176 k Σ e-πn evts: 16115	COIN pretrig: 260 k ☒ Data ok ☐ Junk
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Run Number: 13405	☒ 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): 19:09 Stop time (RC GUI): 20:06	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 208 k e-πn evts: 449	SHMS prescale pretrig: 194 k Σ e-πn evts: 16564	COIN pretrig: 284 k ☒ Data ok ☐ Junk
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Run Number: 13406	☒ 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): 20:07 Stop time (RC GUI): 21:28	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 304 k e-πn evts: 616	SHMS prescale pretrig: 283 k Σ e-πn evts: 17180	COIN pretrig: 413 k ☒ Data ok ☐ Junk
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Run Number: 13407	☒ 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): 21:28 Stop time (RC GUI): 22:27	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: k e-πn evts: 472	SHMS prescale pretrig: k Σ e-πn evts: 17652	COIN pretrig: 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: 21/11/21
yy mm dd

Initials: *DS*

Continuation of Configuration:

$$Q^2 = 6, W = 3.19$$

middle Σ , SHMS center

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

Run Number: 13408	☒ 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): 22:28 Stop time (RC GUI): 23:26	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 220 k $e-\pi n$ evts: 476	SHMS prescale pretrig: 205 k $\Sigma e-\pi n$ evts: 18128	COIN pretrig: 299 k ☒ Data ok ☐ Junk
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Run Number: 13409	☒ 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): 23:27 Stop time (RC GUI): 00-28	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 226 k $e-\pi n$ evts: 457	SHMS prescale pretrig: 210 k $\Sigma e-\pi n$ evts: 18585	COIN pretrig: 300 k ☒ Data ok ☐ Junk
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Run Number: 13410	☒ 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): 00-30 Stop time (RC GUI): 01-28	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 205 k $e-\pi n$ evts: 432	SHMS prescale pretrig: 191 k $\Sigma e-\pi n$ evts: 19017	COIN pretrig: 282 k ☒ Data ok ☐ Junk
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Run Number: 13411	☒ 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): 01-29 Stop time (RC GUI): 02-50	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 280 k $e-\pi n$ evts: 580	SHMS prescale pretrig: 260 k $\Sigma e-\pi n$ evts: 19597	COIN pretrig: 385 k ☒ Data ok ☐ Junk
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Run Number: 13412	☒ 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): 02-51 Stop time (RC GUI): 04-01	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 247 k $e-\pi n$ evts: 529	SHMS prescale pretrig: 229 k $\Sigma e-\pi n$ evts: 20126	COIN pretrig: 338 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

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

Date: 21 / 11 / 22
yy mm dd

Initials: AU

Use a separate sheet for each configuration. from 19 Nov

HMS

SHMS

Configuration Name:

$Q^2 = 6.00$, $W = 3.19$
mid C, SHMS lett

$E_{\text{beam}} = 9.866$ GeV

$I_{\text{beam}} = 70$ μA

Purpose:

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

Raster: ☒ On ☐ Off
Size: 2×2

Beam position and angle on target:

3H07A	X	Y
-0.5	mm	0.0
Nomin:		Nomin:
3H07C	X	Y
-0.9	mm	-0.3
Nomin:		Nomin:

Q1	I-SET (from PSU) 274.71 A B-HALL 0.29870 T	I-SET (from PSU) 2747.3 A B-HALL -17.377 kG	HB
Q2	I-SET (from PSU) 378.50 A B-HALL -0.32113 T	I-SET (from PSU) 1696.4 A B-HALL 12.025 kG	Q1
Q3	I-SET (from PSU) 86.69 A B-HALL 0.17409 T	I-SET (from PSU) 2832.99 A B-HALL -26.749 kG	Q2
D	I-READ 526.68 A B-NMR 0.47187 T	I-SET (from PSU) 1864.04 A B-HALL -17.983 kG	Q3
	If momentum increased: ☐ HMS cycled? ☐ SHMS cycled?	I-SET (from PSU) 2562.80 A B-NMR 18.558 kG	D

Run Number:

13414

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

PS1: 12
PS2: -1
PS3: 6
PS4: 6
PS5: 0
PS6: -1
Mode10: cer / 100

Start time (RC GUI):

04-10

Stop time (RC GUI):

05:09

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

HMS prescale
pretrig: 198 k

$e-\pi n$ evts:
351

SHMS prescale
pretrig: 210 k

$\Sigma e-\pi n$ evts:
12890

COIN
pretrig: 105 k

☒ Data ok
☐ Junk

Comments:

Running total from Nov 19 (12539)

Run Number:

13415

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

PS1: 12
PS2: -1
PS3: -1
PS4: 6
PS5: 0
PS6: -1
Mode10: cer / 100

Start time (RC GUI):

05-10

Stop time (RC GUI):

06-11

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

HMS prescale
pretrig: 201 k

$e-\pi n$ evts:
329

SHMS prescale
pretrig: 213 k

$\Sigma e-\pi n$ evts:
13219

COIN
pretrig: 108 k

☒ Data ok
☐ Junk

Comments:

Run Number:

13416

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

PS1: 12
PS2: -1
PS3: -1
PS4: 6
PS5: 0
PS6: -1
Mode10: cer / 100

Start time (RC GUI):

06-13

Stop time (RC GUI):

07-12

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

HMS prescale
pretrig: 215 k

$e-\pi n$ evts:
351

SHMS prescale
pretrig: 229 k

$\Sigma e-\pi n$ evts:
13570

COIN
pretrig: 113 k

☒ Data ok
☐ Junk

Comments:

Run Number:

13417

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

PS1: 12
PS2: -1
PS3: -1
PS4: 6
PS5: 0
PS6: -1
Mode10: cer / 100

Start time (RC GUI):

07-14

Stop time (RC GUI):

08:16

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

HMS prescale
pretrig: 210 k

$e-\pi n$ evts:
339

SHMS prescale
pretrig: 223 k

$\Sigma e-\pi n$ evts:
13909

COIN
pretrig: 113 k

☒ Data ok
☐ Junk

Comments:

p(e,e' π)n Run Sheet

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

Date: 21 / 11 / 22
yy mm dd

Initials: IN

Continuation of Configuration:

$Q^2=6$, $W=3.19$

mid Σ SHMS left

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

Run Number: 13418	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fake	Start time (RC GUI): 8:17 Stop time (RC GUI): 08:53	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 75 k $e-\pi n$ evts: 111	SHMS prescale pretrig: 79 k $\Sigma e-\pi n$ evts: 14020	COIN pretrig: 48 k ☒ Data ok ☐ Junk
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No beam for ~10 minutes 13909+111

Run Number: 13419	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fake	Start time (RC GUI): 09:19 Stop time (RC GUI): 10:19	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: 229 k $e-\pi n$ evts: 377	SHMS prescale pretrig: 245 k $\Sigma e-\pi n$ evts: 14397	COIN pretrig: 118 k ☒ Data ok ☐ Junk
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Run Number: 13420	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fake	Start time (RC GUI): 10:20 Stop time (RC GUI): 11:02	☒ Settings Verified? ☐ HV OK? ☒ 50k OK?	HMS prescale pretrig: 157 k $e-\pi n$ evts: 247	SHMS prescale pretrig: 167 k $\Sigma e-\pi n$ evts: 14644	COIN pretrig: 81 k ☐ Data ok ☐ Junk
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SHMS HB Interlock ended run early

Run Number: 13421	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fake	Start time (RC GUI): 11:50 Stop time (RC GUI): 13:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 195 k $e-\pi n$ evts: 359	SHMS prescale pretrig: 207 k $\Sigma e-\pi n$ evts: 15003	COIN pretrig: 111 k ☒ Data ok ☐ Junk
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Run Number: 13422	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fake	Start time (RC GUI): 13:00 Stop time (RC GUI): 13:58	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 196 k $e-\pi n$ evts: 296	SHMS prescale pretrig: 208 k $\Sigma e-\pi n$ evts: 15299	COIN pretrig: 103 k ☒ Data ok ☐ Junk
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Run Number: 13423	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 17:02 Stop time (RC GUI): 18:30	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 304 k $e-\pi n$ evts: 21	SHMS prescale pretrig: 148 k $\Sigma e-\pi n$ evts: 38	COIN pretrig: 55 k ☒ Data ok ☐ Junk
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Dummy Tgt Run

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

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

Date: 22 / 11 / 22
yy mm dd

Initials: DN

Continuation of Configuration:

$Q^2 = 6$, $W = 3.19$

Mid E, SHMS Left.

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

Run Number: 13424	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 18:43 Stop time (RC GUI): 19:56	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 224 k $e-\pi n$ evts: 394	SHMS prescale pretrig: 235 k $\Sigma e-\pi n$ evts: 15693	COIN pretrig: 121 k ☒ Data ok ☐ Junk
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Run Number: 13425	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 19:57 Stop time (RC GUI): 20:59	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 193 k $e-\pi n$ evts: 322	SHMS prescale pretrig: 204 k $\Sigma e-\pi n$ evts: 16015	COIN pretrig: 104 k ☒ Data ok ☐ Junk
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Run Number: 13426	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 21:00 Stop time (RC GUI): 22:04	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 243 k $e-\pi n$ evts: 388	SHMS prescale pretrig: 256 k $\Sigma e-\pi n$ evts: 16403	COIN pretrig: 123 k ☒ Data ok ☐ Junk
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Run Number: 13427	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 22:05 Stop time (RC GUI): 23:08	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 224 k $e-\pi n$ evts: 357	SHMS prescale pretrig: 237 k $\Sigma e-\pi n$ evts: 16760	COIN pretrig: 115 k ☒ Data ok ☐ Junk
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Run Number: 13428	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 23:09 Stop time (RC GUI): 23:11	☐ 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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Live Time was 100%, not sure if it worked!

Run Number: 13429	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: 8 PS4: -1 PS5: -1 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 23:13 Stop time (RC GUI): 00-13	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 644 k $e-\pi n$ evts: 328	SHMS prescale pretrig: 212 k $\Sigma e-\pi n$ evts: 17088	COIN pretrig: 105 k ☒ Data ok ☐ Junk
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HMS-3/4 RUN

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

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

Date: 21 / 11 / 23
yy mm dd

Initials: AU

Continuation of Configuration:

$Q^2 = 6.0$, $W = 3.19$

Mid E, SHMS Left

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

Run Number: 13430	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 00-14 Stop time (RC GUI): 01-15	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 233 k $e-\pi n$ evts: 360	SHMS prescale pretrig: 246 k $\Sigma e-\pi n$ evts: 17448	COIN pretrig: 117 k ☒ Data ok ☐ Junk
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Run Number: 13431	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 01-16 Stop time (RC GUI): 02-18	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 192 k $e-\pi n$ evts: 312	SHMS prescale pretrig: 201 k $\Sigma e-\pi n$ evts: 17760	COIN pretrig: 102 k ☒ Data ok ☐ Junk
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Run Number: 13432	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 02-19 Stop time (RC GUI): 03-17	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 192 k $e-\pi n$ evts: 325	SHMS prescale pretrig: 201 k $\Sigma e-\pi n$ evts: 18085	COIN pretrig: 100 k ☒ Data ok ☐ Junk
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Run Number: 13433	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 03-18 Stop time (RC GUI): 04-16	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 208 k $e-\pi n$ evts: 351	SHMS prescale pretrig: 219 k $\Sigma e-\pi n$ evts: 18436	COIN pretrig: 106 k ☒ Data ok ☐ Junk
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Run Number: 13434	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 04-17 Stop time (RC GUI): 05-20	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 232 k $e-\pi n$ evts: 396	SHMS prescale pretrig: 243 k $\Sigma e-\pi n$ evts: 18832	COIN pretrig: 117 k ☒ Data ok ☐ Junk
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Run Number: 13435	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 05-21 Stop time (RC GUI): 05:54	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 55 k $e-\pi n$ evts: 89	SHMS prescale pretrig: 57 k $\Sigma e-\pi n$ evts: 18921	COIN pretrig: 30 k ☒ Data ok ☐ Junk
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long beam down @ end.

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

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

Date: 21 / 11 / 23
yy mm dd

Initials: AU

Continuation of Configuration:

$Q^2 = 6.0$, $W = 3.19$

Mode , SHMS lett

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

Run Number: 13436	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: -1 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 06-31 Stop time (RC GUI): 06-45	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: / k $e-\pi n$ evts: /	SHMS prescale pretrig: / k $\Sigma e-\pi n$ evts: /	COIN pretrig: / k ☐ Data ok ☒ Junk
Comments: JUNK							

Run Number: 13437	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 06-51 Stop time (RC GUI): 07-44	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 186 k $e-\pi n$ evts: 310	SHMS prescale pretrig: 195 k $\Sigma e-\pi n$ evts: 19231	COIN pretrig: 96 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 13438	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 07-45 Stop time (RC GUI): 8:46	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 227 k $e-\pi n$ evts: 354	SHMS prescale pretrig: 239 k $\Sigma e-\pi n$ evts: 19585	COIN pretrig: 114 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 13439	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 8:46 Stop time (RC GUI): 9:45	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 205 k $e-\pi n$ evts: 331	SHMS prescale pretrig: 215 k $\Sigma e-\pi n$ evts: 19918	COIN pretrig: 105 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 13440	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 9:46 Stop time (RC GUI): 10:46	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 168 k $e-\pi n$ evts: 285	SHMS prescale pretrig: 176 k $\Sigma e-\pi n$ evts: 20,201	COIN pretrig: 93 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 13441	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 10:46 Stop time (RC GUI): 11:46	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 144 k $e-\pi n$ evts: 240	SHMS prescale pretrig: 149 k $\Sigma e-\pi n$ evts: 20441	COIN pretrig: 83 k ☒ Data ok ☐ Junk
Comments:							

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

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

Date: 21/11/23
yy mm dd

Initials: DN

Continuation of Configuration:

$Q^2 = 0.0$ $W = 3.19$

Mid E SHMS left

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

Run Number: 13442	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 11:47 Stop time (RC GUI): 12:45	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 2141 k $e-\pi n$ evts: 240374	SHMS prescale pretrig: 225 k $\Sigma e-\pi n$ evts: 20815	COIN pretrig: 108 k ☒ Data ok ☐ Junk
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Run Number: 13443	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 12:48 Stop time (RC GUI): 13:47	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 195 k $e-\pi n$ evts: 308	SHMS prescale pretrig: 205 k $\Sigma e-\pi n$ evts: 21123	COIN pretrig: 103 k ☒ Data ok ☐ Junk
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Run Number: 13444	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 6 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 13:48 Stop time (RC GUI): 15:06	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 440 k $e-\pi n$ evts: 387	SHMS prescale pretrig: 452 k $\Sigma e-\pi n$ evts: 21510	COIN pretrig: 129 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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