

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

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

Date: 21/12/12
yy mm dd

Initials: GH

Use a separate sheet for each configuration.

HMS

SHMS

Configuration Name: _____

$Q^2 = 6.00$ $W = 2.40$

$\theta_{SHMS} = 9.12^\circ$ $LD+$

$E_{beam} = 7.937$ GeV

$I_{beam} = 70$ 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
<u>-0.5</u>	mm	<u>0.0</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>-0.9</u>	mm	<u>-0.3</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>278.613</u> B-HALL <u>0.3727</u>	A	I-SET (from PSU) <u>1846.510</u> B-HALL <u>-11.739</u>	A	HB
Q2	I-SET (from PSU) <u>221.463</u> B-HALL <u>-0.4075</u>	A	I-SET (from PSU) <u>1157.350</u> B-HALL <u>8.235</u>	A	Q1
Q3	I-SET (from PSU) <u>107.632</u> B-HALL <u>0.2316</u>	A	I-SET (from PSU) <u>1943.980</u> B-HALL <u>-18.311</u>	A	Q2
D	I-READ <u>654.550</u> B-NMR <u>0.5855050</u>	A	I-SET (from PSU) <u>1279.120</u> B-HALL <u>-12.412</u>	A	Q3
	If momentum increased: ☐ HMS cycled? ☒ SHMS cycled?		I-SET (from PSU) <u>1758.660</u> B-NMR <u>12.750</u>		D

Run Number:

13921

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

PS1: 13
PS2: -1
PS3: -1
PS4: 5
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

22:06

Stop time (RC GUI):

23:05

☐ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 257 k

$e-\pi n$ evts:

846

SHMS prescale
pretrig: 388 k

$\Sigma e-\pi n$ evts:

846

COIN pretrig: 191 k

☒ Data ok

☐ Junk

Comments:

823 k evts

Run Number:

13922

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

PS1: 13
PS2: -1
PS3: -1
PS4: 5
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

23:08

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

Comments:

FADC Mode10 run Data Rate $\sim 10,000$
EDTM = 105 Hz (by mistake)

60k evts

Run Number:

13923

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

PS1: 13
PS2: -1
PS3: -1
PS4: 5
PS5: 0
PS6: -1
Mode10: cer / fadc

Start time (RC GUI):

23:12

Stop time (RC GUI):

00 - 13

☐ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 262 k

$e-\pi n$ evts:

724

SHMS prescale
pretrig: 397 k

$\Sigma e-\pi n$ evts:

1570

COIN pretrig: 195 k

☒ Data ok

☐ Junk

Comments:

Data Rate ~ 4000 .
EDTM = 10 Hz

Run Number:

13924

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

PS1: 13
PS2: -1
PS3: 7
PS4: -1
PS5: -1
PS6: 0
Mode10: cer / fadc

Start time (RC GUI):

00 - 16

Stop time (RC GUI):

01 - 24

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 5100 k

$e-\pi n$ evts:

859

SHMS prescale
pretrig: 554 k

$\Sigma e-\pi n$ evts:

2429

COIN pretrig: 222 k

☒ Data ok

☐ Junk

Comments:

HMS 3/4 Trigger Run

p(e,e'π)n Run Sheet

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Date: 21/12/13
yy mm dd

Initials: AU

Continuation of Configuration:

$Q^2 = 6.0$, $|w| = 2.4$

low ϵ , SHMS right, LD+

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

Run Number: 13925	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 01-26 Stop time (RC GUI): 02-27	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 277 k $e-\pi n$ evts: 803	SHMS prescale pretrig: 420 k $\Sigma e-\pi n$ evts: 3232 3932	COIN pretrig: 204 k ☒ Data ok ☐ Junk
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Run Number: 13926	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 02-28 Stop time (RC GUI): 03-32	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 299 k $e-\pi n$ evts: 822	SHMS prescale pretrig: 454 k $\Sigma e-\pi n$ evts: 4054	COIN pretrig: 221 k ☒ Data ok ☐ Junk
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Run Number: 13927	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 03-33 Stop time (RC GUI): 04-30	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 264 k $e-\pi n$ evts: 758	SHMS prescale pretrig: 401 k $\Sigma e-\pi n$ evts: 4812	COIN pretrig: 195 k ☒ Data ok ☐ Junk
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Run Number: 13928	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 04-31 Stop time (RC GUI): 05-31	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 179 k $e-\pi n$ evts: 519	SHMS prescale pretrig: 270 k $\Sigma e-\pi n$ evts: 5331	COIN pretrig: 144 k ☒ Data ok ☐ Junk
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No beam for last 10 mins.

Run Number: 13929	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 07-06 Stop time (RC GUI):	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 210 k $e-\pi n$ evts: 642	SHMS prescale pretrig: 317 k $\Sigma e-\pi n$ evts: 5973	COIN pretrig: 162 k ☒ Data ok ☐ Junk
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Run Number: 13930	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 8:05 Stop time (RC GUI): 9:05	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: 178 k $e-\pi n$ evts: 492	SHMS prescale pretrig: 269 k $\Sigma e-\pi n$ evts: 6465	COIN pretrig: 143 k ☒ Data ok ☐ Junk
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p(e,e'π)n Run Sheet

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Date: 21/12/13
yy mm dd

Initials: Rm

Continuation of Configuration:

$$Q^2 = 0.6 \text{ GeV}^2, W = 2.4$$

low E, SHMS right, LD +

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

Run Number: 13931	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 09:06 Stop time (RC GUI): 10:10	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 282 k e-πn evts: 785	SHMS prescale pretrig: 429 k Σ e-πn evts: 7250	COIN pretrig: 210 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 13932	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 10:11 Stop time (RC GUI): 11:08	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 246 k e-πn evts: 726	SHMS prescale pretrig: 374 k Σ e-πn evts: 7976	COIN pretrig: 184 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 13933	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 11:20 Stop time (RC GUI): 11:42	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 12 k e-πn evts: 20	SHMS prescale pretrig: 10 k Σ e-πn evts:	COIN pretrig: 14 k ☒ Data ok ☐ Junk
Comments: Dummy target ^{single} very low rates (prescale GUI mislead us).							

Run Number: 13934	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 9 PS2: -1 PS3: -1 PS4: 2 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 11:44 Stop time (RC GUI): 12:44	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 186 k e-πn evts: 39	SHMS prescale pretrig: 431 k Σ e-πn evts: 59	COIN pretrig: 38 k ☒ Data ok ☐ Junk
Comments: Dummy dummy only							

Run Number: 13935	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 9 PS2: -1 PS3: -1 PS4: 2 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 12:45 Stop time (RC GUI): 13:44	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 168 k e-πn evts: 32	SHMS prescale pretrig: 388 k Σ e-πn evts: 91	COIN pretrig: 37 k ☒ Data ok ☐ Junk
Comments: Dummy							

Run Number: 13936	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 13:55 Stop time (RC GUI): 14:58	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 261 k e-πn evts: 712	SHMS prescale pretrig: 397 k Σ e-πn evts: 8688	COIN pretrig: 196 k ☒ Data ok ☐ Junk
Comments: Back to LD ₂							

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

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

Date: 21/12/13
yy mm dd

Initials: Am

Continuation of Configuration:

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

$Q^2 = 6.0$, $W = 2.4$
low ϵ , SHMS right, LD +

Run Number: <u>13937</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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer / fadc</u>	Start time (RC GUI): <u>14:59</u> Stop time (RC GUI): <u>16:03</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>253</u> k $e-\pi n$ evts: <u>728</u>	SHMS prescale pretrig: <u>385</u> k $\Sigma e-\pi n$ evts: <u>9416</u>	COIN pretrig: <u>791</u> k ☒ Data ok ☐ Junk
Comments:							

Run Number: <u>13938</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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer / fadc</u>	Start time (RC GUI): <u>16:04</u> Stop time (RC GUI): <u>17:03</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>981</u> k $e-\pi n$ evts: <u>715</u>	SHMS prescale pretrig: <u>383</u> k $\Sigma e-\pi n$ evts: <u>10131</u>	COIN pretrig: <u>187</u> k ☒ Data ok ☐ Junk
Comments:							

Run Number: <u>13939</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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer / fadc</u>	Start time (RC GUI): <u>17:04</u> Stop time (RC GUI): <u>18:04</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>288</u> k $e-\pi n$ evts: <u>792</u>	SHMS prescale pretrig: <u>440</u> k $\Sigma e-\pi n$ evts: <u>10923</u>	COIN pretrig: <u>213</u> k ☒ Data ok ☐ Junk
Comments:							

Run Number: <u>13940</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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer / fadc</u>	Start time (RC GUI): <u>18:04</u> Stop time (RC GUI): <u>19:03</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>186</u> k $e-\pi n$ evts: <u>536</u>	SHMS prescale pretrig: <u>298</u> k $\Sigma e-\pi n$ evts: <u>11459</u>	COIN pretrig: <u>152</u> k ☒ Data ok ☐ Junk
Comments:							

Run Number: <u>13941</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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer / fadc</u>	Start time (RC GUI): <u>19:01</u> Stop time (RC GUI): <u>20:02</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>244</u> k $e-\pi n$ evts: <u>689</u>	SHMS prescale pretrig: <u>372</u> k $\Sigma e-\pi n$ evts: <u>12148</u>	COIN pretrig: <u>187</u> k ☒ Data ok ☐ Junk
Comments:							

Run Number: <u>13942</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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer / fadc</u>	Start time (RC GUI): <u>20:03</u> Stop time (RC GUI): <u>21:01</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>263</u> k $e-\pi n$ evts: <u>768</u>	SHMS prescale pretrig: <u>401</u> k $\Sigma e-\pi n$ evts: <u>12916</u>	COIN pretrig: <u>196</u> k ☒ Data ok ☐ Junk
Comments:							

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

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

Date: 11 / 12 / 13
yy mm dd

Initials: MB

Continuation of Configuration:

$Q^2 = 6 \text{ GeV}^2$ $W = 2.4 \text{ GeV}$
low E LD + SHMS n n

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

Run Number: 13943	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 21-02 Stop time (RC GUI): 22-03	☒ Settings Verified? ☐ HV OK? ☒ 50k OK?	HMS prescale pretrig: 277 k $e-\pi n$ evts: 816	SHMS prescale pretrig: 423 k $\Sigma e-\pi n$ evts: 13732	COIN pretrig: 205 k ☐ Data ok ☐ Junk
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Run Number: 13944	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 22-04 Stop time (RC GUI): 23-05	☒ Settings Verified? ☐ HV OK? ☒ 50k OK?	HMS prescale pretrig: 259 k $e-\pi n$ evts: 737	SHMS prescale pretrig: 395 k $\Sigma e-\pi n$ evts: 14469	COIN pretrig: 194 k ☒ Data ok ☐ Junk
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Run Number: 13945	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 23-06 Stop time (RC GUI): 00-01	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 190 k $e-\pi n$ evts: 527	SHMS prescale pretrig: 288 k $\Sigma e-\pi n$ evts: 14996	COIN pretrig: 147 k ☒ Data ok ☐ Junk
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Run Number: 13946	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 00-02 Stop time (RC GUI): 01-02	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 278 k $e-\pi n$ evts: 768	SHMS prescale pretrig: 425 k $\Sigma e-\pi n$ evts: 15764	COIN pretrig: 205 k ☒ Data ok ☐ Junk
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Run Number: 13947	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 01-02 Stop time (RC GUI): 02-01	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 191 k $e-\pi n$ evts: 568	SHMS prescale pretrig: 291 k $\Sigma e-\pi n$ evts: 16332	COIN pretrig: 150 k ☒ Data ok ☐ Junk
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Run Number: 13948	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 02-01 Stop time (RC GUI): 03-00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 275 k $e-\pi n$ evts: 763	SHMS prescale pretrig: 419 k $\Sigma e-\pi n$ evts: 17095	COIN pretrig: 202 k ☒ Data ok ☐ Junk
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$p(e, e'\pi)n$ Run Sheet

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

Date: 21/12/14
yy mm dd

Initials: AU

Continuation of Configuration:

$Q^2 \approx 6.0$, $W \approx 2.4$

low E , SHMS right

LD+, LH+

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

Run Number: 13949	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: 7 PS3: -1 PS4: 5 PS5: 0 PS6: -1 Mode10: cer / hmc	Start time (RC GUI): 03-01 Stop time (RC GUI): 03-58	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 262 k $e-\pi n$ evts: 743	SHMS prescale pretrig: 401 k $\Sigma e-\pi n$ evts: 17838	COIN pretrig: 194 k ☒ Data ok ☐ Junk
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Run Number: 13950	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / hmc	Start time (RC GUI): 04:09 Stop time (RC GUI): 05-09	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 213 k $e-\pi n$ evts: 720	SHMS prescale pretrig: 420 k $\Sigma e-\pi n$ evts: 4720	COIN pretrig: 76 k ☒ Data ok ☐ Junk
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LH2 Running from here

Run Number: 13951	☒ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 8 PS5: -1 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 05-10 Stop time (RC GUI): 05-12	☒ 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

Run Number: 13952	☒ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 05-13 Stop time (RC GUI): 06-16	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 218 k $e-\pi n$ evts: 773	SHMS prescale pretrig: 430 k $\Sigma e-\pi n$ evts: 1493	COIN pretrig: 77 k ☒ Data ok ☐ Junk
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Run Number: 13953	☒ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 06-17 Stop time (RC GUI): 07-16	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 207 k $e-\pi n$ evts: 714	SHMS prescale pretrig: 408 k $\Sigma e-\pi n$ evts: 2207	COIN pretrig: 74 k ☒ Data ok ☐ Junk
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Run Number: 13954	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 07-17 Stop time (RC GUI): 08-15	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 200 k $e-\pi n$ evts: 662	SHMS prescale pretrig: 392 k $\Sigma e-\pi n$ evts: 2869	COIN pretrig: 72 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: 12/14/2021
yy mm dd

Initials: P.S.

Continuation of Configuration:

$Q^2 = 6.0$ $W = 2.4$
low ϵ , sum right

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

Run Number: 13955	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 08:17 Stop time (RC GUI): 09:02	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: 125 k $e-\pi n$ evts: 448	SHMS prescale pretrig: 244 k $\Sigma e-\pi n$ evts: 3317	COIN pretrig: 50 k ☒ Data ok ☐ Junk
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Run Number: 13956	☐ 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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carbon hole check

Run Number: 13957	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 15:51 Stop time (RC GUI): 16:55	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: 223 k $e-\pi n$ evts: 744	SHMS prescale pretrig: 441 k $\Sigma e-\pi n$ evts: 1061	☒ Data ok ☐ Junk
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Run Number: 13958	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 16:56 Stop time (RC GUI): 17:55	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 202 k $e-\pi n$ evts: 729	SHMS prescale pretrig: 220 k $\Sigma e-\pi n$ evts: 4790	☒ Data ok ☐ Junk
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Run Number: 13959	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 17:56 Stop time (RC GUI): 18:48	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: 605 k $e-\pi n$ evts: 744	SHMS prescale pretrig: 204 k $\Sigma e-\pi n$ evts: 5534	☐ Data ok ☐ Junk
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no BPM epics information on both HMS and SHMS screen info ok looking why

Run Number: 13960	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 18:48 Stop time (RC GUI): 19:21	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 508 k $e-\pi n$ evts: 332	SHMS prescale pretrig: 97 k $\Sigma e-\pi n$ evts: 5066	☒ Data ok ☐ Junk
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epics ok but had to run the 50k twice, it was not coming up
check run time in case

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

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

Date: 21 / 7 / 14
yy mm dd

Initials: MB

Continuation of Configuration:

$Q^2=6$ $W=2.4$
low Q SHMS right

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

Run Number: 13961	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 19:22 Stop time (RC GUI): 20:27	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 265 k $e-\pi n$ evts: 845	SHMS prescale pretrig: 243 k $\Sigma e-\pi n$ evts: 6711	COIN pretrig: 85 k ☒ Data ok ☐ Junk
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Run Number: 13962	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 20:27 Stop time (RC GUI): 21:19	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 194 k $e-\pi n$ evts: 634	SHMS prescale pretrig: 193 k $\Sigma e-\pi n$ evts: 7345	COIN pretrig: 63 k ☒ Data ok ☐ Junk
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had to do 3x 50k replay to get them

Run Number: 13963	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 21:20 Stop time (RC GUI): 22:19	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 198 k $e-\pi n$ evts: 632	SHMS prescale pretrig: 197 k $\Sigma e-\pi n$ evts: 7977	COIN pretrig: 72 k ☐ Data ok ☐ Junk
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SHMS 50k replay worked at 5th attempt

Run Number: 13964	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 22:20 Stop time (RC GUI): 22:34	☒ 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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13965 also junk no beam

Run Number: 13966	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 00:41 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

Run Number: 13967	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 01:05 Stop time (RC GUI): 02:05	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 128 k $e-\pi n$ evts: 407	SHMS prescale pretrig: 128 k $\Sigma e-\pi n$ evts: 8384	COIN pretrig: 59 k ☒ Data ok ☐ Junk
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Bad beam first 15 minutes

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

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

Date: 21/12/15
yy mm dd

Initials: RLT

Continuation of Configuration:

$Q^2 = 6.0$

$W = 2.4$

low ϵ

SHMS light

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

Run Number: 13968	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>13</u> PS2: _____ PS3: _____ PS4: <u>4</u> PS5: <u>8</u> PS6: _____ Mode10: cer / fadc	Start time (RC GUI): <u>02:05</u> Stop time (RC GUI): <u>03:05</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>89</u> k $e-\pi n$ evts: <u>282</u>	SHMS prescale pretrig: <u>86</u> k $\Sigma e-\pi n$ evts: <u>8666</u>	COIN pretrig: <u>57</u> k ☒ Data ok ☐ Junk
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Comments:

Beam down for a bit

Run Number: 13969	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>13</u> PS2: _____ PS3: _____ PS4: <u>4</u> PS5: <u>8</u> PS6: _____ Mode10: cer / fadc	Start time (RC GUI): <u>03:05</u> Stop time (RC GUI): <u>04:06</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>222</u> k $e-\pi n$ evts: <u>727</u>	SHMS prescale pretrig: <u>221</u> k $\Sigma e-\pi n$ evts: <u>9393</u>	COIN pretrig: <u>77</u> k ☒ Data ok ☐ Junk
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Comments:

Run Number: 13970	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>13</u> PS2: _____ PS3: _____ PS4: <u>4</u> PS5: <u>8</u> PS6: _____ Mode10: cer / fadc	Start time (RC GUI): <u>04:07</u> Stop time (RC GUI): <u>05:15</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>215</u> k $e-\pi n$ evts: <u>766</u>	SHMS prescale pretrig: <u>214</u> k $\Sigma e-\pi n$ evts: <u>10159</u>	COIN pretrig: <u>80</u> k ☒ Data ok ☐ Junk
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Comments:

Run Number: 13971	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>13</u> PS2: _____ PS3: _____ PS4: <u>4</u> PS5: <u>8</u> PS6: _____ Mode10: cer / fadc	Start time (RC GUI): <u>05:15</u> Stop time (RC GUI): <u>06:08</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>176</u> k $e-\pi n$ evts: <u>633</u>	SHMS prescale pretrig: <u>175</u> k $\Sigma e-\pi n$ evts: <u>10792</u>	COIN pretrig: <u>64</u> k ☒ Data ok ☐ Junk
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Comments:

Run Number: 13972	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>13</u> PS2: _____ PS3: _____ PS4: <u>4</u> PS5: <u>8</u> PS6: _____ Mode10: cer / fadc	Start time (RC GUI): <u>06:08</u> Stop time (RC GUI): <u>07:08</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>274</u> k $e-\pi n$ evts: <u>764</u>	SHMS prescale pretrig: <u>213</u> k $\Sigma e-\pi n$ evts: <u>11556</u>	COIN pretrig: <u>76</u> k ☒ Data ok ☐ Junk
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Comments:

Run Number: 13973	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>13</u> PS2: _____ PS3: _____ PS4: <u>4</u> PS5: <u>8</u> PS6: _____ Mode10: cer / fadc	Start time (RC GUI): <u>07:09</u> Stop time (RC GUI): <u>08:11</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>195</u> k $e-\pi n$ evts: <u>648</u>	SHMS prescale pretrig: <u>194</u> k $\Sigma e-\pi n$ evts: <u>12204</u>	COIN pretrig: <u>73</u> 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: 21/12/15
yy mm dd

Initials: CEH

Continuation of Configuration:

$$\alpha^2 = 6.0$$

$$W = 2.4$$

Low ϵ

SHMS Right

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

Run Number: 13974	☒ 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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 08:13 Stop time (RC GUI): 09:11	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 206 k $e-\pi n$ evts: 694	SHMS prescale pretrig: 206 k $\Sigma e-\pi n$ evts: 12898	COIN pretrig: 73 k ☒ Data ok ☐ Junk
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Production

Run Number: 13975	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>13</u> PS2: _____ PS3: _____ PS4: <u>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 09:12 Stop time (RC GUI): 10:12	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: 238 k $e-\pi n$ evts: 796	SHMS prescale pretrig: 236 k $\Sigma e-\pi n$ evts: 13694	COIN pretrig: 86 k ☒ Data ok ☐ Junk
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Production

Run Number: 13976	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>13</u> PS2: _____ PS3: _____ PS4: <u>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 10:24 Stop time (RC GUI): 11:26	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: 203 k $e-\pi n$ evts: 687	SHMS prescale pretrig: 202 k $\Sigma e-\pi n$ evts: 14381	COIN pretrig: 74 k ☒ Data ok ☐ Junk
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Run Number: 13977	☒ 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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 11:27 Stop time (RC GUI): 12:34	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: 184 k $e-\pi n$ evts: 613	SHMS prescale pretrig: 179 k $\Sigma e-\pi n$ evts: 14994	COIN pretrig: 73 k ☐ Data ok ☐ Junk
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$$SHMS = 9.111^0$$

Run Number: 13978	☐ 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>-1</u> PS5: <u>-1</u> PS6: <u>0</u> Mode10: cer / fadc	Start time (RC GUI): 12:35 Stop time (RC GUI): 12:48	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: 190 k $e-\pi n$ evts: 67	SHMS prescale pretrig: 20 k $\Sigma e-\pi n$ evts: 15061	COIN pretrig: 11 k ☐ Data ok ☐ Junk
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change PS 3/4

short test run

Run Number: 13979	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>5</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u> Mode10: cer / fadc	Start time (RC GUI): 12:50 Stop time (RC GUI): 1:04	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: 148 k $e-\pi n$ evts: 58	SHMS prescale pretrig: 16 k $\Sigma e-\pi n$ evts: 15119	COIN pretrig: 11 k ☐ Data ok ☐ Junk
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change PS 3/4

Beam off for at least 3 mins

p(e,e' π)n Run Sheet

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

Date: 15/12/15
yy mm dd

Initials: _____

Continuation of Configuration:

$$Q^2 = 6.0$$

$$W = 2.4$$

Low E

SHMS right

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

Run Number: 13980	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: 5 PS4: -1 PS5: -1 PS6: 8 Mode10: cer / fadc	Start time (RC GUI): 13:51 Stop time (RC GUI): 14:55	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 2452 k $e-\pi n$ evts: 785	SHMS prescale pretrig: 228 k $\Sigma e-\pi n$ evts: 15904	COIN pretrig: 381 k ☒ Data ok ☐ Junk
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Run Number: 13981	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 14:56 Stop time (RC GUI): 15:55	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 265 k $e-\pi n$ evts: 643	SHMS prescale pretrig: 265 k $\Sigma e-\pi n$ evts: 16547	COIN pretrig: 70 k ☒ Data ok ☐ Junk
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Reset PS

Run Number: 13982	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: 1 Mode10: cer / fadc	Start time (RC GUI): 15:56 Stop time (RC GUI): 16:08	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: 49 k $e-\pi n$ evts: 158	SHMS prescale pretrig: 49 k $\Sigma e-\pi n$ evts: 16705	COIN pretrig: 71 k ☒ Data ok ☐ Junk
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short = changing 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:	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: 21/12/15
yy mm dd

Initials: MB

HMS

SHMS

Configuration Name: _____

Purpose:

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

E_{beam}: 7.94 GeV

I_{beam}: 70 μ A

Raster: ☒ On ☐ Off
Size: 9x7

Beam position and angle on target:

3H07A	X	Y
	mm	mm
Nomin:		Nomin:
3H07C	X	Y
	mm	mm
Nomin:		Nomin:

Q1	I-SET (from PSU) B-HALL 278.87 0.37 T	A	I-SET (from PSU) B-HALL 185.95 11.743 T	A	HB
Q2	I-SET (from PSU) B-HALL 221.49 0.407 T	A	I-SET (from PSU) B-HALL 1157.08 8.234 T	A	Q1
Q3	I-SET (from PSU) B-HALL 107.59 0.1212 T	A	I-SET (from PSU) B-HALL 1943.56 18.309 T	A	Q2
D	I-READ B-NMR 653.94 0.585 T	A	I-SET (from PSU) B-HALL 1278.68 12.41 T	A	Q3
	If momentum increased: ☐ HMS cycled? ☐ SHMS cycled?		I-SET (from PSU) B-NMR 1758.32 12.756 T		D

HMS

p: +/- 5.512 θ (TV): 34.58
From GUI Nearest 0.005

SHMS

p: +/- 2.139 θ (TV): 11.12
From GUI Nearest 0.005

Collimator:

HMS: Large ☐
Sieve ☐

SHMS: Collim ☐
Sieve ☐

Run Number:

13983

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

PS1: 13
PS2: -1
PS3: -1
PS4: 4
PS5: 0
PS6: 0
Mode10: cer / fadc

Start time (RC GUI):

16=14

Stop time (RC GUI):

17=18

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

HMS prescale
pretrig: 196 k

e- π n evts:
762

SHMS prescale
pretrig: 60 k

Σ e- π n evts:
762

COIN
pretrig: 57 k

- ☒ Data ok
☐ Junk

Comments:

Run Number:

13984

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

PS1: 13
PS2: -1
PS3: -1
PS4: 4
PS5: 0
PS6: 0
Mode10: cer / fadc

Start time (RC GUI):

17=19

Stop time (RC GUI):

18=18

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

HMS prescale
pretrig: 169 k

e- π n evts:
641

SHMS prescale
pretrig: 69 k

Σ e- π n evts:
1403

COIN
pretrig: 51 k

- ☒ Data ok
☐ Junk

Comments:

Run Number:

13985

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

PS1: 13
PS2: -1
PS3: -1
PS4: 4
PS5: 0
PS6: 0
Mode10: cer / fadc

Start time (RC GUI):

18=18

Stop time (RC GUI):

19=26

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

HMS prescale
pretrig: 179 k

e- π n evts:
694

SHMS prescale
pretrig: 73 k

Σ e- π n evts:
2097

COIN
pretrig: 58 k

- ☒ Data ok
☐ Junk

Comments:

lots of trips

Run Number:

13986

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

PS1: 13
PS2: -1
PS3: -1
PS4: 4
PS5: 0
PS6: 0
Mode10: cer / fadc

Start time (RC GUI):

19=30

Stop time (RC GUI):

20=36

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

HMS prescale
pretrig: 578 k

e- π n evts:
772

SHMS prescale
pretrig: 79 k

Σ e- π n evts:
2869

COIN
pretrig: 58 k

- ☒ Data ok
☐ Junk

Comments:

Had to
Restart code. / change prescale SHMS to 2

p(e,e' π)n Run Sheet

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

Date: 21.12.15
yy mm dd

Initials: *ALB*

Continuation of Configuration:

$Q^2 = 6$ $W = 2.4$ LH2
low Σ SHMS ~~COIN~~ CENTER

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

Run Number: <i>13987</i>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <i>13</i> PS2: _____ PS3: _____ PS4: <i>2</i> PS5: <i>0</i> PS6: <i>0</i> Mode10: cer / fadc	Start time (RC GUI): <i>20=36</i> Stop time (RC GUI): <i>21=51</i>	☐ Settings Verified? ☐ HV OK? ☒ 50k OK?	HMS prescale pretrig: <i>698</i> k $e-\pi n$ evts: <i>772</i>	SHMS prescale pretrig: <i>95</i> k $\Sigma e-\pi n$ evts: <i>3767</i>	COIN pretrig: <i>67</i> k ☐ Data ok ☐ Junk
Comments: <i>898</i>							

Run Number: <i>13988</i>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <i>13</i> PS2: _____ PS3: _____ PS4: <i>2</i> PS5: <i>0</i> PS6: <i>0</i> Mode10: cer / fadc	Start time (RC GUI): <i>21=52</i> Stop time (RC GUI): <i>22=53</i>	☐ Settings Verified? ☐ HV OK? ☒ 50k OK?	HMS prescale pretrig: <i>60</i> k $e-\pi n$ evts: <i>865</i>	SHMS prescale pretrig: <i>90</i> k $\Sigma e-\pi n$ evts: <i>132</i>	COIN pretrig: <i>57</i> k ☒ Data ok ☐ Junk
Comments: <i>4632</i>							

Run Number: <i>13989</i>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <i>13</i> PS2: _____ PS3: _____ PS4: <i>1</i> PS5: <i>0</i> PS6: <i>0</i> Mode10: cer / fadc	Start time (RC GUI): <i>22=53</i> Stop time (RC GUI): <i>23=54</i>	☐ 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: <i>stop to change prescale -</i>							

Run Number: <i>13990</i>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <i>13</i> PS2: _____ PS3: _____ PS4: <i>1</i> PS5: <i>0</i> PS6: <i>0</i> Mode10: cer / fadc	Start time (RC GUI): <i>22=55</i> Stop time (RC GUI): <i>23=47</i>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <i>89</i> k $e-\pi n$ evts: <i>737</i>	SHMS prescale pretrig: <i>79</i> k $\Sigma e-\pi n$ evts: <i>5369</i>	COIN pretrig: <i>50</i> k ☒ Data ok ☐ Junk
Comments: <i>change prescale PS4=1</i>							

Run Number: <i>13991</i>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <i>13</i> PS2: _____ PS3: _____ PS4: <i>1</i> PS5: <i>0</i> PS6: <i>0</i> Mode10: cer / fadc	Start time (RC GUI): <i>23=48</i> Stop time (RC GUI): <i>01:01</i>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <i>783</i> k $e-\pi n$ evts: <i>683</i>	SHMS prescale pretrig: <i>71</i> k $\Sigma e-\pi n$ evts: <i>6052</i>	COIN pretrig: <i>60</i> k ☒ Data ok ☐ Junk
Comments:							

Run Number: <i>13992</i>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <i>15</i> PS2: _____ PS3: _____ PS4: <i>1</i> PS5: <i>0</i> PS6: <i>0</i> Mode10: cer / fadc	Start time (RC GUI): <i>01:01</i> 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: <i>Beam down</i>							

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

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

Date: 21/12/16
yy mm dd

Initials: RLT

Continuation of Configuration:

$Q^2 = 6.0$ $W = 2.4$ $LH2$

low ϵ SHMS Center

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

Run Number: 13993	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>13</u> PS2: _____ PS3: _____ PS4: <u>1</u> PS5: <u>0</u> PS6: _____ Mode10: cer / fadc	Start time (RC GUI): <u>01:20</u> Stop time (RC GUI): _____	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: _____ k $e-\pi n$ evts: _____	SHMS prescale pretrig: _____ k $\Sigma e-\pi n$ evts: _____	COIN pretrig: _____ k ☐ Data ok ☒ Junk
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Beam down

Run Number: 13994	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>13</u> PS2: _____ PS3: _____ PS4: <u>1</u> PS5: <u>0</u> PS6: _____ Mode10: cer / fadc	Start time (RC GUI): <u>01:26</u> Stop time (RC GUI): <u>02:36</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>534</u> k $e-\pi n$ evts: <u>466</u>	SHMS prescale pretrig: <u>47</u> k $\Sigma e-\pi n$ evts: <u>6518</u>	COIN pretrig: <u>46</u> k ☒ Data ok ☐ Junk
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bad beam

Run Number: 13995	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>13</u> PS2: _____ PS3: _____ PS4: <u>1</u> PS5: <u>0</u> PS6: _____ Mode10: cer / fadc	Start time (RC GUI): <u>02:37</u> Stop time (RC GUI): <u>03:14</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>66</u> k $e-\pi n$ evts: <u>45</u>	SHMS prescale pretrig: <u>5</u> k $\Sigma e-\pi n$ evts: <u>6563</u>	COIN pretrig: <u>23</u> k ☒ Data ok ☐ Junk
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no beam for last chunk

Run Number: 13996	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>13</u> PS2: _____ PS3: _____ PS4: <u>1</u> PS5: <u>0</u> PS6: _____ Mode10: cer / fadc	Start time (RC GUI): <u>03:20</u> Stop time (RC GUI): <u>04:20</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>940</u> k $e-\pi n$ evts: <u>854</u>	SHMS prescale pretrig: <u>88</u> k $\Sigma e-\pi n$ evts: <u>7417</u>	COIN pretrig: <u>57</u> k ☒ Data ok ☐ Junk
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Run Number: 13997	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>13</u> PS2: _____ PS3: _____ PS4: <u>1</u> PS5: <u>0</u> PS6: _____ Mode10: cer / fadc	Start time (RC GUI): <u>04:20</u> Stop time (RC GUI): <u>05:25</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>999</u> k $e-\pi n$ evts: <u>893</u>	SHMS prescale pretrig: <u>91</u> k $\Sigma e-\pi n$ evts: <u>8310</u>	COIN pretrig: <u>60</u> k ☒ Data ok ☐ Junk
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Run Number: RR 13998	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>13</u> PS2: _____ PS3: _____ PS4: <u>1</u> PS5: <u>0</u> PS6: _____ Mode10: cer / fadc	Start time (RC GUI): <u>05:20</u> Stop time (RC GUI): <u>05:39</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: _____ k $e-\pi n$ evts: <u>208</u>	SHMS prescale pretrig: _____ k $\Sigma e-\pi n$ evts: <u>8518</u>	COIN pretrig: _____ k ☐ Data ok ☐ Junk
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$p(e, e'\pi)n$ Run Sheet

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

Date: 21 / 12 / 16
yy mm dd

Initials: RLT

Continuation of Configuration:

$Q^2 = 6.0$ $W = 2.4$ $2H^2$

Q_{max} SHMS Center

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

Run Number: 13999	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>11</u> PS2: _____ PS3: _____ PS4: <u>3</u> PS5: <u>0</u> PS6: _____ Mode10: cer / fadc	Start time (RC GUI): 05:43 Stop time (RC GUI): 05:46	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: _____ k $e-\pi n$ evts: _____	SHMS prescale pretrig: _____ k $\Sigma e-\pi n$ evts: _____	COIN pretrig: _____ k ☐ Data ok ☐ Junk
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Comments:

FADC Mode 10, changed prescale because they were very off.

Run Number: 13999 14000	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>11</u> PS2: _____ PS3: _____ PS4: <u>3</u> PS5: <u>0</u> PS6: _____ Mode10: cer / fadc	Start time (RC GUI): 05:47 Stop time (RC GUI): 06:46	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 367 k $e-\pi n$ evts: 778	SHMS prescale pretrig: 335 k $\Sigma e-\pi n$ evts: 9296	COIN pretrig: 55 k ☒ Data ok ☐ Junk
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Comments:

Run Number: 14001	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>11</u> PS2: _____ PS3: _____ PS4: <u>3</u> PS5: <u>0</u> PS6: _____ Mode10: cer / fadc	Start time (RC GUI): 06:47 Stop time (RC GUI): 07:53	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 396 k $e-\pi n$ evts: 830	SHMS prescale pretrig: 361 k $\Sigma e-\pi n$ evts: 10126	COIN pretrig: 60 k ☒ Data ok ☐ Junk
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Comments:

Run Number: 14002	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>11</u> PS2: <u>1</u> PS3: <u>5</u> PS4: <u>1</u> PS5: <u>1</u> PS6: <u>0</u> Mode10: cer / fadc	Start time (RC GUI): 07:54 Stop time (RC GUI): 9:03	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 2199 k $e-\pi n$ evts: 935	SHMS prescale pretrig: 401 k $\Sigma e-\pi n$ evts: 11061	COIN pretrig: 65 k ☒ Data ok ☐ Junk
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Comments:

3/4 run

Run Number: 14003	☒ 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>3</u> PS5: <u>0</u> PS6: <u>1</u> Mode10: cer / fadc	Start time (RC GUI): 09:07 Stop time (RC GUI): 10:15	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 374 k $e-\pi n$ evts: 774	SHMS prescale pretrig: 341 k $\Sigma e-\pi n$ evts: 11835	COIN pretrig: 60 k ☒ Data ok ☐ Junk
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Comments:

pre scales reset

Run Number: 14004	☒ 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>3</u> PS5: <u>0</u> PS6: <u>1</u> Mode10: cer / fadc	Start time (RC GUI): 10:16 Stop time (RC GUI): 11:18	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 308 k $e-\pi n$ evts: 672	SHMS prescale pretrig: 280 k $\Sigma e-\pi n$ evts: 12507	COIN pretrig: 853 k ☒ Data ok ☐ Junk
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Comments:

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

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

Date: 21 / 12 / 16
yy mm dd

Initials: CE#

Continuation of Configuration:

$Q^2 = 6.0$ $W = 2.4$ LH2
Low E SHMS Center

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

Run Number: 14005	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 11 PS2: _____ PS3: _____ PS4: 3 PS5: 0 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 11:19 Stop time (RC GUI): 12:34	☐ Settings Verified? ☐ HV OK? ☒ 50k OK?	HMS prescale pretrig: 447 k $e-\pi n$ evts: 999	SHMS prescale pretrig: 408 k $\Sigma e-\pi n$ evts: 13506	COIN pretrig: 69 k ☒ Data ok ☐ Junk
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Run Number: 14006	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 11 PS2: _____ PS3: _____ PS4: 3 PS5: 0 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 12:36 Stop time (RC GUI): 13:42	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 409 k $e-\pi n$ evts: 878	SHMS prescale pretrig: 374 k $\Sigma e-\pi n$ evts: 14384	COIN pretrig: 61 k ☒ Data ok ☐ Junk
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Run Number: 14007	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 11 PS2: _____ PS3: _____ PS4: 3 PS5: 0 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 13:43 Stop time (RC GUI): 14:41	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 133 k $e-\pi n$ evts: 280	SHMS prescale pretrig: 117 k $\Sigma e-\pi n$ evts: 14664	COIN pretrig: 42 k ☒ Data ok ☐ Junk
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Run Number: 14008	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 11 PS2: -1 PS3: -1 PS4: 3 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 15:05 Stop time (RC GUI): 16:05	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 384 k $e-\pi n$ evts: 827	SHMS prescale pretrig: 352 k $\Sigma e-\pi n$ evts: 5491	COIN pretrig: 56 k ☒ Data ok ☐ Junk
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Run Number: 14009	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 11 PS2: -1 PS3: -1 PS4: 3 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 16:05 Stop time (RC GUI): 17:05	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 323 k $e-\pi n$ evts: 681	SHMS prescale pretrig: 295 k $\Sigma e-\pi n$ evts: 16172	COIN pretrig: 53 k ☒ Data ok ☐ Junk
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Run Number: 14010	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 11 PS2: -1 PS3: -1 PS4: 3 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 17:05 Stop time (RC GUI): 17:06	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 376 k $e-\pi n$ evts: 839	SHMS prescale pretrig: 344 k $\Sigma e-\pi n$ evts: 17011	COIN pretrig: 56 k ☒ Data ok ☒ Junk
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$p(e,e'\pi)n$ Run Sheet

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

Date: 21 / 12 / 16
yy mm dd

Initials: P.S.

Continuation of Configuration:

$Q^2 = 6.0$ $W = 2.4$ LHz
Low ϵ SPMS center

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

Run Number: <u>24011</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>3</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>18:06</u> Stop time (RC GUI): <u>18:40</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>135</u> k SHMS prescale <u>122</u> k COIN pretrig: <u>31</u> k e- π n evts: <u>288</u> Σ e- π n evts: <u>17999</u>	☒ Data ok ☐ Junk
Comments: <u>Almost no beam</u>						

Run Number: <u>14012</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>3</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>18:05</u> Stop time (RC GUI): <u>20:05</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>297</u> k SHMS prescale <u>270</u> k COIN pretrig: <u>52</u> k e- π n evts: <u>676</u> Σ e- π n evts: <u>17975</u>	☒ Data ok ☐ Junk
Comments: <u>Trippy beam first 10 mins</u>						

Run Number: <u>14013</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>3</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>20:05</u> Stop time (RC GUI): <u>21:05</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>387</u> k SHMS prescale <u>355</u> k COIN pretrig: <u>56</u> k e- π n evts: <u>838</u> Σ e- π n evts: <u>18813</u>	☒ Data ok ☐ Junk
Comments:						

Run Number: <u>14014</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>3</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>21:05</u> Stop time (RC GUI): <u>22:05</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>369</u> k SHMS prescale <u>337</u> k COIN pretrig: <u>55</u> k e- π n evts: <u>819</u> Σ e- π n evts: <u>19632</u>	☒ Data ok ☐ Junk
Comments:						

Run Number: <u>14015</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>3</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>22:05</u> Stop time (RC GUI): <u>22:35</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>202</u> k SHMS prescale <u>186</u> k COIN pretrig: <u>28</u> k e- π n evts: <u>431</u> Σ e- π n evts: <u>20063</u>	☒ Data ok ☐ Junk
Comments:						

Run Number: <u>14016</u>	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>8</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>1</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>22:48</u> Stop time (RC GUI): <u>23:35</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>208</u> k SHMS prescale <u>298</u> k COIN pretrig: <u>29</u> k e- π n evts: <u>25</u> Σ e- π n evts:	☒ Data ok ☐ Junk
Comments: <u>116 Hz</u> <u>80 Hz</u>						

p(e,e' π)n Run Sheet

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

Date: 21/12/16
yy mm dd

Initials: P.S.

Continuation of Configuration:

$Q^2 = 0.0$ $W = 2.4$ $LD2$
Low E SMMYS center

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

Run Number: 14017	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm	PS1: 8 PS2: -1 PS3: -1 PS4: 1 PS5: 9 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 23:37 Stop time (RC GUI): 00:12	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 145 k pretrig: 4408 e- π n evts: 12	SHMS prescale: 208 k pretrig: 2277 Σ e- π n evts:	COIN pretrig: 21 k ☒ Data ok ☐ Junk
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confirm

Run Number: 14018	☒ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm	PS1: 11 PS2: ____ PS3: ____ PS4: 3 PS5: 8 PS6: ____ Mode10: cer / fadc	Start time (RC GUI): 02:36 Stop time (RC GUI): 03:38	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 884 k pretrig: 884 e- π n evts: 567 905	SHMS prescale: 685 k pretrig: 685 Σ e- π n evts: 567 905	COIN pretrig: 168 k ☒ Data ok ☐ Junk
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Prescales unchanged

Run Number: 14019	☒ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm	PS1: 11 PS2: ____ PS3: ____ PS4: 3 PS5: 8 PS6: ____ Mode10: cer / fadc	Start time (RC GUI): 03:39 Stop time (RC GUI): 04:34	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 825 k pretrig: 825 e- π n evts: 556 862	SHMS prescale: 641 k pretrig: 641 Σ e- π n evts: 1123 67	COIN pretrig: 100 k ☒ Data ok ☐ Junk
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Prescales unchanged

Run Number: 14020	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm	PS1: 12 PS2: ____ PS3: ____ PS4: 4 PS5: 6 PS6: ____ Mode10: cer / fadc	Start time (RC GUI): 05:15 Stop time (RC GUI): 05:34	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 161 k pretrig: 161 e- π n evts: 189 282	SHMS prescale: 112 k pretrig: 112 Σ e- π n evts: 181 304	COIN pretrig: 35 k ☒ Data ok ☐ Junk
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DAQ didn't start properly, updated prescales to hit 100 better

Run Number: 14021	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm	PS1: 12 PS2: ____ PS3: ____ PS4: 4 PS5: 6 PS6: ____ Mode10: cer / fadc	Start time (RC GUI): 05:35 Stop time (RC GUI): 06:35	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 503 k pretrig: 503 e- π n evts: 446 632	SHMS prescale: 352 k pretrig: 352 Σ e- π n evts: 1944 2495	COIN pretrig: 110 k ☒ Data ok ☐ Junk
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Run Number: 14022	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm	PS1: 12 PS2: ____ PS3: ____ PS4: 4 PS5: 6 PS6: ____ Mode10: cer / fadc	Start time (RC GUI): 06:36 Stop time (RC GUI): 07:35	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 426 k pretrig: 426 e- π n evts: 867 586	SHMS prescale: 297 k pretrig: 297 Σ e- π n evts: 2538 3882	COIN pretrig: 97 k ☒ Data ok ☐ Junk
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p(e,e' π)n Run Sheet

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

Date: 21/12/17
yy mm dd

Initials: RLT

Continuation of Configuration:

$Q^2 = 6.0$ $W = 2.4$ LD^*

low ϵ SHMS Cath

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

Run Number: 14023	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: _____ PS3: _____ PS4: 4 PS5: 0 PS6: _____ Mode10: cer / fadc	Start time (RC GUI): 07:35 Stop time (RC GUI): 08:36	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: _____ k $e-\pi n$ evts: 821	SHMS prescale pretrig: _____ k $\Sigma e-\pi n$ evts: 82703	COIN pretrig: _____ k ☐ Data ok ☐ Junk
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Run Number: 14024	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: _____ PS3: _____ PS4: 4 PS5: 0 PS6: _____ Mode10: cer / fadc	Start time (RC GUI): 8:37 Stop time (RC GUI): 8:39	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: 18 k $e-\pi n$ evts: 42	SHMS prescale pretrig: 13 k $\Sigma e-\pi n$ evts: 4745	COIN pretrig: 4 k ☒ Data ok ☐ Junk
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FADC Mode 10

Run Number: 14026	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: _____ PS3: 6 PS4: _____ PS5: _____ PS6: 8 Mode10: cer / fadc	Start time (RC GUI): 8:43 Stop time (RC GUI): 9:44	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: _____ k $e-\pi n$ evts: 987	SHMS prescale pretrig: 364 k $\Sigma e-\pi n$ evts: 5732	COIN pretrig: 12 k ☒ Data ok ☐ Junk
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14025 Sunk due to coda crash

3/4 Run

Run Number: 14027	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: _____ PS3: _____ PS4: 4 PS5: 0 PS6: _____ Mode10: cer / fadc	Start time (RC GUI): 9:55 Stop time (RC GUI): 10:49	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 490 k $e-\pi n$ evts: 1004	SHMS prescale pretrig: 343 k $\Sigma e-\pi n$ evts: 6736	COIN pretrig: 110 k ☒ Data ok ☐ Junk
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Run Number: 14028	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: _____ PS3: 4 PS4: 4 PS5: 0 PS6: _____ Mode10: cer / fadc	Start time (RC GUI): 10:49 Stop time (RC GUI): 11:53	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 425 k $e-\pi n$ evts: 832	SHMS prescale pretrig: 296 k $\Sigma e-\pi n$ evts: 7568	COIN pretrig: 99 k ☒ Data ok ☐ Junk
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Run Number: 14029	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: _____ PS3: _____ PS4: 4 PS5: 0 PS6: _____ Mode10: cer / fadc	Start time (RC GUI): 11:54 Stop time (RC GUI): 12:54	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 478 k $e-\pi n$ evts: 874	SHMS prescale pretrig: 335 k $\Sigma e-\pi n$ evts: 8442	COIN pretrig: 106 k ☒ Data ok ☐ Junk
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$p(e, e'\pi)n$ Run Sheet

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

Date: 21/12/17
yy mm dd

Initials: NY

Continuation of Configuration:

$Q^2 = 6.0$ $W = 2.4$ W^x
low E SHMS center 11.12°

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

Run Number: 14030	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 12:54 Stop time (RC GUI): 13:54	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 485 k SHMS prescale: 340 k COIN pretrig: 106 k e- π n evts: 897 Σ e- π n evts: 9339	☒ Data ok ☐ Junk
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Run Number: 14031	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 13:55 Stop time (RC GUI): 14:58	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 416 k SHMS prescale: 291 k COIN pretrig: 98 k e- π n evts: 825 Σ e- π n evts: 10164	☒ Data ok ☐ Junk
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Run Number: 14032	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 14:58 Stop time (RC GUI): 15:58	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: k SHMS prescale: k COIN pretrig: k e- π n evts: 819 Σ e- π n evts: 10983	☒ Data ok ☐ Junk
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Run Number: 14033	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 15:58 Stop time (RC GUI): 16:59	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 432 k SHMS prescale: 303 k COIN pretrig: 100 k e- π n evts: 868 Σ e- π n evts: 11851	☒ Data ok ☐ Junk
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Run Number: 14034	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 17:00 Stop time (RC GUI): 18:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 457 k SHMS prescale: 320 k COIN pretrig: k e- π n evts: 813 Σ e- π n evts: 12664	☒ Data ok ☐ Junk
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Run Number: 14035	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 18:00 Stop time (RC GUI): 19:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 500 k SHMS prescale: 351 k COIN pretrig: 109 k e- π n evts: 935 Σ e- π n evts: 13,599	☒ Data ok ☐ Junk
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$p(e,e'\pi)n$ Run Sheet

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

Date: 21/12/17
yy mm dd

Initials: PS

Continuation of Configuration:

$Q^2 = 6.0$

$W = 2.4$

$L_{A \times}$

low E

SHMS center 11.120

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

Run Number: 14036	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: 1 Mode10: cer / fadc	Start time (RC GUI): 19:01 19:01 Stop time (RC GUI): 20:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 462 k $e-\pi n$ evts: 843	SHMS prescale pretrig: 324 k $\Sigma e-\pi n$ evts: 14442	COIN pretrig: 103 k ☒ Data ok ☐ Junk
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Run Number: 14037	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 20:00 Stop time (RC GUI): 21:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts: 876	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts: 15318	COIN pretrig: k ☒ Data ok ☐ Junk
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Run Number: 14038	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 22:00 Stop time (RC GUI): 22:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 378 k $e-\pi n$ evts: 734	SHMS prescale pretrig: 264 k $\Sigma e-\pi n$ evts: 16052	COIN pretrig: 89 k ☒ Data ok ☐ Junk
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last 10 minutes - current dropped to $\sim 10 \mu A$.

Run Number: 14039	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 22:00 Stop time (RC GUI): 22:45	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 92 k $e-\pi n$ evts: 178	SHMS prescale pretrig: 63 k $\Sigma e-\pi n$ evts: 16230	COIN pretrig: 42 k ☒ Data ok ☐ Junk
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Beam went off at $\sim 22:10$

Run Number: 14040	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 01:30 Stop time (RC GUI): 02:52	☒ 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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Beam off immediately

Run Number: 14041	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 12 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 01:52 Stop time (RC GUI): 02:52	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 441 k $e-\pi n$ evts: 853	SHMS prescale pretrig: 310 k $\Sigma e-\pi n$ evts: 17,083	COIN pretrig: 100 k ☒ Data ok ☐ Junk
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$p(e,e'\pi)n$ Run Sheet

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

Date: 21 / 12 / 18
yy mm dd

Initials: SJ

Continuation of Configuration:

$Q^2 = 6.0$ $W = 2.4$ LD_2
low ϵ SHMS 11.120

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

Run Number: <u>14042</u>	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>02:52</u> Stop time (RC GUI): <u>03:54</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>471</u> k $e-\pi n$ evts: <u>904</u>	SHMS prescale pretrig: <u>332</u> k $\Sigma e-\pi n$ evts: <u>17987</u>	COIN pretrig: <u>106</u> k ☒ Data ok ☐ Junk
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Run Number: <u>14043</u>	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>03:55</u> Stop time (RC GUI): <u>04:55</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>435</u> k $e-\pi n$ evts: <u>865</u>	SHMS prescale pretrig: <u>306</u> k $\Sigma e-\pi n$ evts: <u>18852</u>	COIN pretrig: <u>100</u> k ☒ Data ok ☐ Junk
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Run Number: <u>14044</u>	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>04:56</u> Stop time (RC GUI): <u>05:31</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>246</u> k $e-\pi n$ evts: <u>444</u>	SHMS prescale pretrig: <u>172</u> k $\Sigma e-\pi n$ evts: <u>19296</u>	COIN pretrig: <u>57</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: 21/12/18
yy mm dd

Initials: SJ

Use a separate sheet for each configuration.

Configuration Name:
Q²=26.0 W=2.4 U₂
600 E SHMS Left 13.12

E_{beam}: 7.95 GeV **I_{beam}:** 70 μ A

HMS
p: +2.1390 **θ (TV):** 35.58
From GUI Nearest 0.005

SHMS
p: -5.512 **θ (TV):** 13.12
From GUI Nearest 0.005

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

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

Raster: ☒ On ☐ Off
Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>-0.5</u> mm		<u>0.005</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>-0.9</u> mm		<u>0.5</u> mm
Nomin:		Nomin:

	HMS	SHMS	
Q1	I-SET (from PSU) <u>278.86</u> A B-HALL <u>0.36520</u> T	I-SET (from PSU) <u>1845.95</u> A B-HALL <u>-11.745</u> kG	HB
Q2	I-SET (from PSU) <u>221.48</u> A B-HALL <u>-0.40634</u> T	I-SET (from PSU) <u>1152.08</u> A B-HALL <u>8.232</u> kG	Q1
Q3	I-SET (from PSU) <u>107.59</u> A B-HALL <u>0.21212</u> T	I-SET (from PSU) <u>1943.52</u> A B-HALL <u>-18.311</u> kG	Q2
D	I-READ <u>653.94</u> A B-NMR <u>0.58547</u> T	I-SET (from PSU) <u>1278.72</u> A B-HALL <u>-12.421</u> kG	Q3
	If momentum increased: ☐ HMS cycled? ☐ SHMS cycled?	I-SET (from PSU) <u>1758.40</u> A B-NMR <u>12.756</u> kG	D

Run Number: <u>14045</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: <u>cer / fadc</u>	Start time (RC GUI): <u>05:39</u> Stop time (RC GUI): <u>06:39</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>228</u> k $e-\pi n$ evts: <u>748</u>	SHMS prescale pretrig: <u>257</u> k $\Sigma e-\pi n$ evts: <u>748</u>	COIN pretrig: <u>66</u> k ☒ Data ok ☐ Junk
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Run Number: <u>14046</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>-1</u> PS6: <u>-1</u> Mode10: <u>cer / fadc</u>	Start time (RC GUI): <u>06:42</u> Stop time (RC GUI): <u>06:44</u>	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: <u>/</u> k $e-\pi n$ evts: <u>/</u>	SHMS prescale pretrig: <u>/</u> k $\Sigma e-\pi n$ evts: <u>/</u>	COIN pretrig: <u>/</u> k ☐ Data ok ☐ Junk
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fadc mode10

Run Number: <u>14047</u>	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>11</u> PS2: <u>-1</u> PS3: <u>5</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>0</u> Mode10: <u>cer / fadc</u>	Start time (RC GUI): <u>06:51</u> Stop time (RC GUI): <u>/</u>	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: <u>/</u> k $e-\pi n$ evts: <u>/</u>	SHMS prescale pretrig: <u>/</u> k $\Sigma e-\pi n$ evts: <u>/</u>	COIN pretrig: <u>/</u> k ☐ Data ok ☒ Junk
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HMS 3/4 Trigger Run

prescale at beam trip

Run Number: <u>14048</u>	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>11</u> PS2: <u>-1</u> PS3: <u>5</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u> Mode10: <u>cer / fadc</u>	Start time (RC GUI): <u>07:04</u> Stop time (RC GUI): <u>08:01</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>3376</u> k $e-\pi n$ evts: <u>607</u>	SHMS prescale pretrig: <u>224</u> k $\Sigma e-\pi n$ evts: <u>1355</u>	COIN pretrig: <u>61</u> k ☒ Data ok ☐ Junk
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HMS 3/4 Trigger Run

p(e,e' π)n Run Sheet

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

Date: 21 12 18
yy mm dd

Initials: AV

Continuation of Configuration:

$\theta^* = 6.0$, $W = 2.4$ LD+

low E , SHMS left

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

Run Number: 14049	☐ 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): 08-07 Stop time (RC GUI): 08-25	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: / k $e-\pi n$ evts: /	SHMS prescale pretrig: / k $\Sigma e-\pi n$ evts: /	COIN pretrig: / k ☐ Data ok ☒ Junk
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JUNK Run (Terrible beam)

Run Number: 14050	☐ 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): 08-40 Stop time (RC GUI): 09-39	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 143 k $e-\pi n$ evts: 392	SHMS prescale pretrig: 159 k $\Sigma e-\pi n$ evts: 1747	COIN pretrig: 53 k ☒ Data ok ☐ Junk
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Unstable beam

Run Number: 14051	☐ 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): 10-03 Stop time (RC GUI): 11-07	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 291 k $e-\pi n$ evts: 874	SHMS prescale pretrig: 329 k $\Sigma e-\pi n$ evts: 2621	COIN pretrig: 78 k ☒ Data ok ☐ Junk
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Run Number: 14052	☐ 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): 11-08 Stop time (RC GUI): 12-07	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 218 k $e-\pi n$ evts: 666	SHMS prescale pretrig: 246 k $\Sigma e-\pi n$ evts: 3287	COIN pretrig: 64 k ☒ Data ok ☐ Junk
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Run Number: 14053	☐ 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): 12-07 Stop time (RC GUI): 13-05	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 136 k $e-\pi n$ evts: 451	SHMS prescale pretrig: 153 k $\Sigma e-\pi n$ evts: 3738	COIN pretrig: 53 k ☒ Data ok ☐ Junk
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Run Number: 14054	☐ 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): 13-33 Stop time (RC GUI): 14-33	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 151 k $e-\pi n$ evts: 489	SHMS prescale pretrig: 171 k $\Sigma e-\pi n$ evts: 4227	COIN pretrig: 56 k ☒ Data ok ☐ Junk
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$p(e,e'\pi)n$ Run Sheet

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

Date: 21, 12, 18
yy mm dd

Initials: AJS

Continuation of Configuration:

$Q^2 = 6.0$, $W = 2.40$

low e , SHMS left (LD+)

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

Run Number: 14055	☐ 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): 14-34 Stop time (RC GUI): 14-56	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: / k $e-\pi n$ evts: /	SHMS prescale pretrig: / k $\Sigma e-\pi n$ evts: /	COIN pretrig: / k ☐ Data ok ☒ Junk
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Junk Run (No beam > 15 mins)

Run Number: 14056	☐ 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): 15-17 Stop time (RC GUI): 16:18:01	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 167 k $e-\pi n$ evts: 523	SHMS prescale pretrig: 188 k $\Sigma e-\pi n$ evts: 4750	COIN pretrig: 58 k ☒ Data ok ☐ Junk
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beam off at end of run

Run Number: 14057	☐ 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): 16:30:13 Stop time (RC GUI): 17:30:33	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 187 k $e-\pi n$ evts: 565	SHMS prescale pretrig: 211 k $\Sigma e-\pi n$ evts: 5315	COIN pretrig: 61 k ☒ Data ok ☐ Junk
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Run Number: 14058	☐ 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): 17:31:58 Stop time (RC GUI): 18:32:42	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 268 k $e-\pi n$ evts: 811	SHMS prescale pretrig: 304 k $\Sigma e-\pi n$ evts: 6126	COIN pretrig: 73 k ☒ Data ok ☐ Junk
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Run Number: 14059	☐ 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): 18:33:14 Stop time (RC GUI): 19:33:26	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 272 k $e-\pi n$ evts: 858	SHMS prescale pretrig: 309 k $\Sigma e-\pi n$ evts: 6984	COIN pretrig: 73 k ☒ Data ok ☐ Junk
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Run Number: 14060	☐ 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): 19:34:07 Stop time (RC GUI): 20:02:02	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 40 k $e-\pi n$ evts: 116	SHMS prescale pretrig: 45 k $\Sigma e-\pi n$ evts: 7100	COIN pretrig: 22 k ☒ Data ok ☐ Junk
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SHORT RUN 2L18 DROPPED VOLTAGE (HIGH T) $\rightarrow$ PAGEG RFE - ON CALL

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

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

Date: 21/12/18
yy mm dd

Initials: SCD

Continuation of Configuration:

$Q^2 = 6.0$, $W = 2.4$ LD^+

low ϵ , SHMS left

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

Run Number: 14061	☐ 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): 20:43:29 Stop time (RC GUI): 21:43:49	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 240 k $e-\pi n$ evts: 722	SHMS prescale pretrig: 272 k $\Sigma e-\pi n$ evts: 7822	COIN pretrig: 69 k ☒ Data ok ☐ Junk
Comments: HALLA STARTED RUNNING , TRIP RATE ~ 15-16 (was 7-8 before)							

Run Number: 14062	☐ 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): 21:44:30 Stop time (RC GUI): 22:43:12	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 245 k $e-\pi n$ evts: 773	SHMS prescale pretrig: 278 k $\Sigma e-\pi n$ evts: 8595	COIN pretrig: 68 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 14063	☐ 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): 22:44:46 Stop time (RC GUI): 23:43:30	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 238 k $e-\pi n$ evts: 730	SHMS prescale pretrig: 270 k $\Sigma e-\pi n$ evts: 9325	COIN pretrig: 67 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 14064	☐ 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): 23:45:30 Stop time (RC GUI): 00:45	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 246 k $e-\pi n$ evts: 763	SHMS prescale pretrig: 279 k $\Sigma e-\pi n$ evts: 10088	COIN pretrig: 69 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 14065	☐ 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): 00:45 Stop time (RC GUI): 01:45	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 248 k $e-\pi n$ evts: 772	SHMS prescale pretrig: 282 k $\Sigma e-\pi n$ evts: 10860	COIN pretrig: 69 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 14066	☐ 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): 01:45 Stop time (RC GUI): 02:46	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 232 k $e-\pi n$ evts: 698	SHMS prescale pretrig: 263 k $\Sigma e-\pi n$ evts: 11358 11558	COIN pretrig: 68 k ☒ Data ok ☐ Junk
Comments:							

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

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

Date: 21/12/19
yy mm dd

Initials: SJ

Continuation of Configuration:

$Q^2=6$ $W=2.4$ LD_2
low ϵ SHMS Lot 4

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

Run Number: 14067	☐ 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): 02:47 Stop time (RC GUI): 03:47	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 244 k $e-\pi n$ evts: 722	SHMS prescale pretrig: 278 k $\Sigma e-\pi n$ evts: 12280	COIN pretrig: 69 k ☒ Data ok ☐ Junk
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Run Number: 14068	☐ 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): 03:47 Stop time (RC GUI): 04:47	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 261 k $e-\pi n$ evts: 824	SHMS prescale pretrig: 298 k $\Sigma e-\pi n$ evts: 131084	COIN pretrig: 71 k ☒ Data ok ☐ Junk
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Run Number: 14069	☐ 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): 04:47 Stop time (RC GUI): 05:47	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 242 k $e-\pi n$ evts: 691	SHMS prescale pretrig: 275 k $\Sigma e-\pi n$ evts: 13795	COIN pretrig: 68 k ☒ Data ok ☐ Junk
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Run Number: 14070	☐ 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): 05:47 Stop time (RC GUI): 06:48	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 269 k $e-\pi n$ evts: 844	SHMS prescale pretrig: 306 k $\Sigma e-\pi n$ evts: 14639	COIN pretrig: 72 k ☒ Data ok ☐ Junk
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Run Number: 14071	☐ 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): 06:48 Stop time (RC GUI): 07:48	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 260 k $e-\pi n$ evts: 805	SHMS prescale pretrig: 296 k $\Sigma e-\pi n$ evts: 15444	COIN pretrig: 71 k ☐ Data ok ☐ Junk
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Run Number: 14072	☐ 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): 7:49 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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beam off

p(e,e' π)n Run Sheet

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

Date: 21/12/19
yy mm dd

Initials: NH/SCI

Continuation of Configuration:

$Q^2=6$ $W=2.4$ LD^8

low E SHMS left

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

Run Number: 14073	☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 11 PS2: _____ PS3: _____ PS4: 5 PS5: 0 PS6: _____ Mode10: cer / fadc	Start time (RC GUI): 8:26 Stop time (RC GUI): 9:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 121 k $e-\pi n$ evts: 361	SHMS prescale pretrig: 137 k $\Sigma e-\pi n$ evts: 15805	COIN pretrig: 36 k ☒ Data ok ☐ Junk
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Run Number: 14074	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 11 PS2: _____ PS3: _____ PS4: 5 PS5: 0 PS6: _____ Mode10: cer / fadc	Start time (RC GUI): 13:39 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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Prescales wrong

Run Number: 14075	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 7 PS2: _____ PS3: _____ PS4: 1 PS5: 0 PS6: _____ Mode10: cer / fadc	Start time (RC GUI): 13:41 Stop time (RC GUI): 14:40	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 254 k $e-\pi n$ evts: 36	SHMS prescale pretrig: 341 k $\Sigma e-\pi n$ evts:	COIN pretrig: 36 k ☒ Data ok ☐ Junk
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Run Number: 14076	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 7 PS2: _____ PS3: _____ PS4: 1 PS5: 0 PS6: _____ Mode10: cer / fadc	Start time (RC GUI): 14:40 Stop time (RC GUI): 15:41	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 259 k $e-\pi n$ evts: 45	SHMS prescale pretrig: 339 k $\Sigma e-\pi n$ evts: 81	COIN pretrig: 37 k ☒ Data ok ☐ Junk
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Run Number: 14077	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 7 PS2: -1 PS3: -1 PS4: 1 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 15:42 Stop time (RC GUI): 16:10	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 118 k $e-\pi n$ evts: 16	SHMS prescale pretrig: 158 k $\Sigma e-\pi n$ evts: 97	COIN pretrig: 17 k ☒ Data ok ☐ Junk
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285k evts

Run Number: 14078	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 6 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 16:18:07 Stop time (RC GUI): 17:20:06	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 183 k $e-\pi n$ evts: 625 625	SHMS prescale pretrig: 252 k $\Sigma e-\pi n$ evts: 718 625	COIN pretrig: 47 k ☒ Data ok ☐ Junk
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Started LH2 = LOOP2 runs

p(e,e' π)n Run Sheet

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

Date: 21/12/19
yy mm dd

Initials: SCD

Continuation of Configuration:

$Q^2 = 0.0$ $W = 2.7$ LHe
low E $\theta_{\text{SKMS}} = 13.12^\circ$

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

Run Number: 140789	☒ 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): 17:20 Stop time (RC GUI): 18:22:59	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 222 k $e-\pi n$ evts: 777 777	SHMS prescale pretrig: 306 k $\Sigma e-\pi n$ evts: 1402 1402	COIN pretrig: 49 k ☒ Data ok ☐ Junk
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Run Number: 14080	☒ 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): 18:23:27 Stop time (RC GUI): 19:24:35	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 215 k $e-\pi n$ evts: 777 777	SHMS prescale pretrig: 297 k $\Sigma e-\pi n$ evts: 2181 2181	COIN pretrig: 48 k ☒ Data ok ☐ Junk
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Run Number: 14081	☒ 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): 19:25:01 Stop time (RC GUI): 19:53:03	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 65 k $e-\pi n$ evts: 162 162	SHMS prescale pretrig: 89 k $\Sigma e-\pi n$ evts: 2343 2343	COIN pretrig: 20 k ☒ Data ok ☐ Junk
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Short run, cavity dropped voltage (last 0 min of run had no beam).

Run Number: 14082	☒ 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): 19:59:29 Stop time (RC GUI): 20:59:28	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 211 k $e-\pi n$ evts: 2719 2719	SHMS prescale pretrig: 292 k $\Sigma e-\pi n$ evts: 3667 3667	COIN pretrig: 48 k ☒ Data ok ☐ Junk
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Run Number: 14083	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 21:00:41 Stop time (RC GUI): 21:58:48	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 197 k $e-\pi n$ evts: 630 630	SHMS prescale pretrig: 272 k $\Sigma e-\pi n$ evts: 3692 3692	COIN pretrig: 45 k ☒ Data ok ☐ Junk
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Run Number: 14084	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 21:59:37 Stop time (RC GUI): 23:00:07	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 217 k $e-\pi n$ evts: 752 752	SHMS prescale pretrig: 299 k $\Sigma e-\pi n$ evts: 4444 4444	COIN pretrig: 48 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 / 12 / 19
yy mm dd

Initials: SCD

Continuation of Configuration:

$Q^2 = 6.0$, $W = 2.4$, LH2
low ϵ , SHMS LEFT

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

Run Number: 14085	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>10</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>23:00:37</u> Stop time (RC GUI): <u>00:00:15</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>214</u> k pretrig: $e-\pi n$ evts: <u>821</u>	SHMS prescale <u>296</u> k pretrig: $\Sigma e-\pi n$ evts: <u>683</u>	COIN pretrig: <u>47</u> k ☒ Data ok ☐ Junk
Comments: 722 5166							

Run Number: 14086	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>10</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>00:00:47</u> Stop time (RC GUI): <u>01:00</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>180</u> k pretrig: $e-\pi n$ evts: <u>722</u> 594	SHMS prescale <u>208</u> k pretrig: $\Sigma e-\pi n$ evts: <u>683</u>	COIN pretrig: <u>46</u> k ☐ Data ok ☐ Junk
Comments: 5760 Removing RF cut gave us <u>6176</u> e- π							

Run Number: 14087	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>10</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>4</u> PS5: <u>-1</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>01:01</u> Stop time (RC GUI): <u>01:12</u>	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale <u>180</u> k pretrig: $e-\pi n$ evts: <u>722</u>	SHMS prescale <u>208</u> k pretrig: $\Sigma e-\pi n$ evts: <u>683</u>	COIN pretrig: <u>46</u> k ☐ Data ok ☒ Junk
Comments: No beam ^{really} something wrong with beam							

Run Number: 14088	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>10</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>10-29</u> Stop time (RC GUI): <u>10-32</u>	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale <u>1752</u> k pretrig: $e-\pi n$ evts: <u>694</u>	SHMS prescale <u>268</u> k pretrig: $\Sigma e-\pi n$ evts: <u>6870</u>	COIN pretrig: <u>47</u> k ☐ Data ok ☐ Junk
Comments: FADC MODE 10 Run							

Run Number: 14089	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>10</u> PS2: <u>-1</u> PS3: <u>5</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>10-34</u> Stop time (RC GUI): <u>11-34</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>1752</u> k pretrig: $e-\pi n$ evts: <u>694</u>	SHMS prescale <u>268</u> k pretrig: $\Sigma e-\pi n$ evts: <u>6870</u>	COIN pretrig: <u>47</u> k ☒ Data ok ☐ Junk
Comments:							

Run Number: 14090	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>10</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>11-35</u> Stop time (RC GUI): <u>12-37</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>217</u> k pretrig: $e-\pi n$ evts: <u>796</u>	SHMS prescale <u>300</u> k pretrig: $\Sigma e-\pi n$ evts: <u>7666</u>	COIN pretrig: <u>49</u> k ☒ Data ok ☐ Junk
Comments:							

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

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

Date: 21/12/20
yy mm dd

Initials: AV

Continuation of Configuration:

$Q^2 = 6.0$, $W = 2.40$

low ϵ , SHMS left

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

Run Number: 14091	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>10</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>4</u> PS5: <u>0</u> PS6: <u>0-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>12-38</u> Stop time (RC GUI): <u>13-35</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: <u>183</u> k SHMS prescale: <u>253</u> k COIN pretrig: <u>44</u> k e- π n evts: <u>664</u> Σ e- π n evts: <u>8330</u>	☒ Data ok ☐ Junk
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Run Number: 14092	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>10</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>13-36</u> Stop time (RC GUI): <u>14-31</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: <u>184</u> k SHMS prescale: <u>255</u> k COIN pretrig: <u>43</u> k e- π n evts: <u>685</u> Σ e- π n evts: <u>9015</u>	☒ Data ok ☐ Junk
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Run Number: 14094	☒ 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: cer / fadc	Start time (RC GUI): <u>14-40</u> Stop time (RC GUI): <u>16-00</u>	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale: <u>186</u> k SHMS prescale: <u>256</u> k COIN pretrig: <u>46</u> k e- π n evts: <u>679</u> Σ e- π n evts: <u>9694</u>	☐ Data ok ☐ Junk
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BCM Calibration run $\Rightarrow$ done.

Run Number: 14095	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>10</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>16:02</u> Stop time (RC GUI): <u>17:02</u>	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: <u>186</u> k SHMS prescale: <u>256</u> k COIN pretrig: <u>46</u> k e- π n evts: <u>679</u> Σ e- π n evts: <u>9694</u>	☒ Data ok ☐ Junk
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186k 256k 46k

Run Number: 14096	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>10</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>17:03</u> Stop time (RC GUI): <u>18:03</u>	☐ Settings Verified? ☐ HV OK? ☒ 50k OK?	HMS prescale: <u>219</u> k SHMS prescale: <u>304</u> k COIN pretrig: <u>47</u> k e- π n evts: <u>794</u> Σ e- π n evts: <u>10488</u>	☒ Data ok ☐ Junk
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Run Number: 14097	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>10</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>18:03</u> Stop time (RC GUI): <u>19:03</u>	☐ Settings Verified? ☐ HV OK? ☒ 50k OK?	HMS prescale: <u>188</u> k SHMS prescale: <u>260</u> k COIN pretrig: <u>46</u> k e- π n evts: <u>681</u> Σ e- π n evts: <u>12169</u>	☒ Data ok ☐ Junk
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11169

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

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

Date: 12 / 20 / 21

Initials: HDB

yy mm dd

2021 Dec 20

Continuation of Configuration:

$$Q^2 = 6 \text{ GeV}^2, W = 2.3 \text{ GeV}$$

low ϵ , SHMS Left

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

Run Number: 14098	☒ 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): 19:04 Stop time (RC GUI): 20:08	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 206 k pretrig: $e-\pi n$ evts: 703	SHMS prescale 284 k pretrig: $\Sigma e-\pi n$ evts: 11872	COIN pretrig: 50 k ☒ Data ok ☐ Junk
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Run Number: 14099	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: 7 Mode10: cer / fadc	Start time (RC GUI): 20:10 Stop time (RC GUI): 21:10	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 220 k pretrig: $e-\pi n$ evts: 820	SHMS prescale 305 k pretrig: $\Sigma e-\pi n$ evts: 12692	COIN pretrig: 48 k ☒ Data ok ☐ Junk
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Run Number: 14100	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 21:10 Stop time (RC GUI): 22:14	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: $e-\pi n$ evts: 800	SHMS prescale pretrig: $\Sigma e-\pi n$ evts: 13492	COIN pretrig: k ☒ Data ok ☐ Junk
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13492.

Run Number: 14101	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: cer / fadc	Start time (RC GUI): 22:15 Stop time (RC GUI): 23:18	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 201 k pretrig: $e-\pi n$ evts: 739	SHMS prescale 278 k pretrig: $\Sigma e-\pi n$ evts:	COIN pretrig: 48 k ☒ Data ok ☐ Junk
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14231

Run Number: 14102	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: 7 Mode10: cer / fadc	Start time (RC GUI): 23:18 Stop time (RC GUI): 00:18:42	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 185 k pretrig: $e-\pi n$ evts: 699	SHMS prescale 255 k pretrig: $\Sigma e-\pi n$ evts: 14930	COIN pretrig: 46 k ☒ Data ok ☐ Junk
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Run Number: 14103	☒ 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): 00:19:20 Stop time (RC GUI): 01:20:56	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 212 k pretrig: $e-\pi n$ evts: 828	SHMS prescale 284 k pretrig: $\Sigma e-\pi n$ evts: 15758	COIN pretrig: 48 k ☒ Data ok ☐ Junk
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$p(e,e'\pi)n$ Run Sheet

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

Date: 21/12/21
yy mm dd

Initials: *gm*

Continuation of Configuration:

$Q^2 = 2.6 \text{ GeV}^2$, $W = 2.36 \text{ GeV}$

low ϵ , SHMS LEFT

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

Run Number: 14104	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____cm	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: <i>ce</i> / fadc	Start time (RC GUI): 01:21:16 Stop time (RC GUI): 02:20:16	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 200 k $e-\pi n$ evts: 744	SHMS prescale pretrig: 276 k $\Sigma e-\pi n$ evts: 16502	COIN pretrig: 46 k ☒ Data ok ☐ Junk
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Run Number: 14105	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____cm	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: <i>ce</i> / fadc	Start time (RC GUI): 02:20:56 Stop time (RC GUI): 03:23:41	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 197 k $e-\pi n$ evts: 687	SHMS prescale pretrig: 272 k $\Sigma e-\pi n$ evts: 17189	COIN pretrig: 48 k ☒ Data ok ☐ Junk
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Run Number: 14106	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____cm	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: <i>ce</i> / fadc	Start time (RC GUI): 03:24:18 Stop time (RC GUI): 04:27:29	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 215 k $e-\pi n$ evts: 771	SHMS prescale pretrig: 298 k $\Sigma e-\pi n$ evts: 17960	COIN pretrig: 50 k ☒ Data ok ☐ Junk
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Run Number: 14107	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____cm	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: <i>ce</i> / fadc	Start time (RC GUI): 04:28:26 Stop time (RC GUI): 05:28:06	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 189 k $e-\pi n$ evts: 714	SHMS prescale pretrig: 281 k $\Sigma e-\pi n$ evts: 18674	COIN pretrig: 46 k ☒ Data ok ☐ Junk
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Run Number: 14108	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____cm	PS1: 16 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: <i>ce</i> / fadc	Start time (RC GUI): 05:28:45 Stop time (RC GUI): 06:28:24	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 190 k $e-\pi n$ evts: 668	SHMS prescale pretrig: 263 k $\Sigma e-\pi n$ evts: 19342	COIN pretrig: 46 k ☒ Data ok ☐ Junk
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Run Number: 14109	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____cm	PS1: 10 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: <i>ce</i> / fadc	Start time (RC GUI): 06:29:57 Stop time (RC GUI): 07:22:36	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 143 k $e-\pi n$ evts: 517	SHMS prescale pretrig: 197 k $\Sigma e-\pi n$ evts: 19859	COIN pretrig: 40 k ☒ Data ok ☐ Junk
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