

$$Q^2 = 6.0$$

CENTER SHMS

DUMMY TGT RUNS

<u>Run#</u>	<u>Minutes</u>	<u>Σ Minutes</u>	<u>π^- Evts</u>	<u>$\Sigma \pi^-$ Evts</u>
12455	60	60	6	6
12474	60	60 120	3	9
12490	65	185	1	10
12520	64	249	3	13
12521	11	260	1	14
12540	54	314	5	19
12557	60	374	2	21

HMS-3/4 TRIGGER RUNS (for checking ELREAL threshold)

12470 (PS3, 6)
12497 (PS3, 6)
12549 (PS3, 6)

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

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

Date: 21/10/03
yy mm dd

Initials: GH

Use a separate sheet for each configuration.

Configuration Name: _____

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

SHMS Center (5.50°)

E_{beam}: 9.173 GeV

I_{beam}: 40 μ A

Purpose:

☒ Production

☐ Test (e.g. DAQ, Detector)

☐ Optics (SHMS / HMS)

☐ Other: _____

Raster: ☒ On ☐ Off

Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>-0.5</u>	mm	<u>0.6</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>-0.9</u>	mm	<u>-0.3</u> mm
Nomin:		Nomin:

HMS

SHMS

Q1	I-SET (from PSU) <u>133.4</u> A B-HALL <u>0.1756</u> T	I-SET (from PSU) <u>2745.4</u> A B-HALL <u>-17465</u> kG	HB
Q2	I-SET (from PSU) <u>-165.9</u> A B-HALL <u>0.17789</u> T	I-SET (from PSU) <u>-167.4</u> A B-HALL <u>12.026</u> kG	Q1
Q3	I-SET (from PSU) <u>51.2</u> A B-HALL <u>0.09848</u> T	I-SET (from PSU) <u>2832.9</u> A B-HALL <u>-26.706</u> kG	Q2
D	I-READ <u>-312.4</u> A B-NMR <u>0.28086</u> T	I-SET (from PSU) <u>-1866.1</u> A B-HALL <u>-17.988</u> kG	Q3
	If momentum increased: ☐ HMS cycled? ☐ SHMS cycled?	I-SET (from PSU) <u>2562.3</u> A B-NMR <u>18.558</u> kG	D

Run Number:

12444

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

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

Start time (RC GUI):

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:

Short run to check rates + prescales

Run Number:

12445

☒ 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):

Stop time (RC GUI):

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 23 k

$e-\pi n$ evts: 71

SHMS prescale
pretrig: 397 k

$\Sigma e-\pi n$ evts: 71

COIN pretrig: 152 k

☒ Data ok

☐ Junk

Comments:

40 nA

753k evts

Run Number:

12446

☒ 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):

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:

FADC Mode 10 Run

25,8k evts

Run Number:

12447

☒ 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):

Stop time (RC GUI):

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 211 k

$e-\pi n$ evts: 71

SHMS prescale
pretrig: 392 k

$\Sigma e-\pi n$ evts: 142

COIN pretrig: 150 k

☒ Data ok

☐ Junk

Comments:

747k evts

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

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

Date: 21/10/03
yy mm dd

Initials: GH

Continuation of Configuration:

$Q^2 = 6.0, W = 3.19$

SHMS Center (5.505°)

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

Run Number: <u>12448</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</u> / fadc	Start time (RC GUI): <u>19:15</u> Stop time (RC GUI): <u>20:15</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>20</u> k $e-\pi n$ evts: <u>31</u>	SHMS prescale pretrig: <u>409</u> k $\Sigma e-\pi n$ evts: <u>233</u>	COIN pretrig: <u>156</u> k ☒ Data ok ☐ Junk
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Comments: 40mA 776 k evts

Run Number: <u>12449</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</u> / fadc	Start time (RC GUI): <u>20:16</u> Stop time (RC GUI): <u>21:15</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>215</u> k $e-\pi n$ evts: <u>61</u>	SHMS prescale pretrig: <u>400</u> k $\Sigma e-\pi n$ evts: <u>294</u>	COIN pretrig: <u>152</u> k ☒ Data ok ☐ Junk
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Comments: 760 k evts

Run Number: <u>12450</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>21:16</u> Stop time (RC GUI): <u>22:17</u>	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>421</u> k $e-\pi n$ evts: <u>61</u>	SHMS prescale pretrig: <u>416</u> k $\Sigma e-\pi n$ evts: <u>355</u>	COIN pretrig: <u>159</u> k ☒ Data ok ☐ Junk
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Comments: 979 k evts

Run Number: <u>12451</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>22:18</u> Stop time (RC GUI): <u>23:18</u>	☐ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>420</u> k $e-\pi n$ evts: <u>82</u>	SHMS prescale pretrig: <u>413</u> k $\Sigma e-\pi n$ evts: <u>437</u>	COIN pretrig: <u>158</u> k ☒ Data ok ☐ Junk
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Comments: 975 k Events

Run Number: <u>12452</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>23:19</u> Stop time (RC GUI): <u>00:18</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>382</u> k $e-\pi n$ evts: <u>71</u>	SHMS prescale pretrig: <u>375</u> k $\Sigma e-\pi n$ evts: <u>508</u>	COIN pretrig: <u>146</u> k ☒ Data ok ☐ Junk
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Comments:

Run Number: <u>12453</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>00:19</u> Stop time (RC GUI): <u>01:19</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>415</u> k $e-\pi n$ evts: <u>70</u>	SHMS prescale pretrig: <u>409</u> k $\Sigma e-\pi n$ evts: <u>578</u>	COIN pretrig: <u>156</u> 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: 21/10/04
yy mm dd

Initials: ELT

Continuation of Configuration:

$Q^2 = 6.0$ $W = 3.19$
Center
SHMS ($\theta = 5.505^\circ$)

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

Run Number: <u>12454</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>01:19</u> Stop time (RC GUI): <u>02:14</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>389</u> k $e-\pi n$ evts: <u>72</u>	SHMS prescale pretrig: <u>384</u> k $\Sigma e-\pi n$ evts: <u>650</u>	COIN pretrig: <u>147</u> k ☒ Data ok ☐ Junk
Comments:							

Run Number: <u>12455</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>02:24</u> Stop time (RC GUI): <u>03:23</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>178</u> k $e-\pi n$ evts: <u>—</u>	SHMS prescale pretrig: <u>79</u> k $\Sigma e-\pi n$ evts: <u>—</u>	COIN pretrig: <u>45</u> k ☒ Data ok ☐ Junk
Comments: <u>Dummy</u>							

Run Number: <u>12456</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>03:39</u> Stop time (RC GUI): <u>04:39</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>375</u> k $e-\pi n$ evts: <u>65</u>	SHMS prescale pretrig: <u>368</u> k $\Sigma e-\pi n$ evts: <u>715</u>	COIN pretrig: <u>144</u> k ☒ Data ok ☐ Junk
Comments:							

Run Number: <u>12457</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>04:59</u> Stop time (RC GUI): <u>05:50</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>451</u> k $e-\pi n$ evts: <u>76</u>	SHMS prescale pretrig: <u>441</u> k $\Sigma e-\pi n$ evts: <u>791</u>	COIN pretrig: <u>143</u> k ☒ Data ok ☐ Junk
Comments:							

Run Number: <u>12458</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>05:51</u> Stop time (RC GUI): <u>06:48</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>402</u> k $e-\pi n$ evts: <u>57</u>	SHMS prescale pretrig: <u>396</u> k $\Sigma e-\pi n$ evts: <u>848</u>	COIN pretrig: <u>151</u> k ☒ Data ok ☐ Junk
Comments:							

Run Number: <u>12459</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>06:49</u> Stop time (RC GUI): <u>07:55</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>442</u> k $e-\pi n$ evts: <u>74</u>	SHMS prescale pretrig: <u>434</u> k $\Sigma e-\pi n$ evts: <u>922</u>	COIN pretrig: <u>168</u> k ☒ Data ok ☐ Junk
Comments:							

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

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

Date: 2021/10/4
yy mm dd

Initials: ERIC

Continuation of Configuration:

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

SHMS center ($\theta = 5.505^\circ$)

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

Run Number: 12460	☒ 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): 7:56 Stop time (RC GUI): 8:56	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 381 k $e-\pi\eta$ evts: 73	SHMS prescale pretrig: 374 k $\Sigma e-\pi\eta$ evts: 995	COIN pretrig: 146 k ☐ Data ok ☐ Junk
Comments:							

Run Number: 12461	☒ 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): 8:57 Stop time (RC GUI): 10:02	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 441 k $e-\pi\eta$ evts: 71	SHMS prescale pretrig: 435 k $\Sigma e-\pi\eta$ evts: 1066	COIN pretrig: 165 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 12462	☒ 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): 10:02 Stop time (RC GUI): 11:02	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 346 k $e-\pi\eta$ evts: 71	SHMS prescale pretrig: 438 k $\Sigma e-\pi\eta$ evts: 1137	COIN pretrig: 151 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 12463	☒ 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): 11:10 Stop time (RC GUI): 12:15	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 424 k $e-\pi\eta$ evts: 53	SHMS prescale pretrig: 450 k $\Sigma e-\pi\eta$ evts: 1190	COIN pretrig: 189 k ☒ Data ok ☐ Junk
Comments:							

Increase current to 45 μ A

Run Number: 12464	☒ 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): 12:26 Stop time (RC GUI): 13:24	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 322 k $e-\pi\eta$ evts: 59	SHMS prescale pretrig: 336 k $\Sigma e-\pi\eta$ evts: 1249	COIN pretrig: 145 k ☒ Data ok ☐ Junk
Comments:							

data look good → keep all the run, part of it? did replay

failed HMS Dipole Interlock failed

Run Number: 12465	☒ 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): 18:25 Stop time (RC GUI): 18:42	☒ Settings Verified? ☐ HV OK? ☒ 50k OK?	HMS prescale pretrig: 134 k $e-\pi\eta$ evts: 28	SHMS prescale pretrig: 139 k $\Sigma e-\pi\eta$ evts: 1277	COIN pretrig: 57 k ☒ Data ok ☐ Junk
Comments:							

Good NMR hold going down a bit (took short run)

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

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

Date: 2011/6/4
yy mm dd

Initials: *MB*

Continuation of Configuration:

$Q^2 = 6.6 \text{ GeV}^2$ $W = 3.1 \text{ GeV}$
 $S400 \theta = 5.505$

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

Run Number: 12466	☒ 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>0</u> Mode10: cer / fadc	Start time (RC GUI): <u>18:45</u> Stop time (RC GUI): <u>19:51</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>499</u> k $e-\pi n$ evts: <u>71</u>	SHMS prescale pretrig: <u>522</u> k $\Sigma e-\pi n$ evts: <u>1348</u>	COIN pretrig: <u>212</u> k ☒ Data ok ☐ Junk
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45 μ A *Good*

Run Number: 12467	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm	PS1: <u>13</u> PS2: ____ PS3: <u>4</u> PS4: <u>0</u> PS5: ____ PS6: ____ Mode10: cer / fadc	Start time (RC GUI): <u>19:51</u> Stop time (RC GUI): <u>19:57</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>30</u> k $e-\pi n$ evts: <u>9</u>	SHMS prescale pretrig: <u>30</u> k $\Sigma e-\pi n$ evts: <u>1357</u>	COIN pretrig: <u>12</u> k ☒ Data ok ☒ Junk
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45 μ A *Q1 interlock* *Very short run data good*

Run Number: 12468	☒ 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>0</u> Mode10: cer / fadc	Start time (RC GUI): <u>22:05</u> Stop time (RC GUI): <u>23:02</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>427</u> k $e-\pi n$ evts: <u>60</u>	SHMS prescale pretrig: <u>448</u> k $\Sigma e-\pi n$ evts: <u>1417</u>	COIN pretrig: <u>182</u> k ☒ Data ok ☐ Junk
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45 μ A *good prod*

Run Number: 12469	☒ 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>0</u> Mode10: cer / fadc	Start time (RC GUI): <u>23:03</u> Stop time (RC GUI): <u>00:03</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>449</u> k $e-\pi n$ evts: <u>78</u>	SHMS prescale pretrig: <u>471</u> k $\Sigma e-\pi n$ evts: <u>1495</u>	COIN pretrig: <u>192</u> k ☒ Data ok ☐ Junk
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45 μ A *good prod*

Run Number: 12470	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm	PS1: <u>13</u> PS2: <u>-7</u> PS3: <u>8</u> PS4: <u>-1</u> PS5: <u>-7</u> PS6: <u>0</u> Mode10: cer / fadc	Start time (RC GUI): <u>00:04</u> Stop time (RC GUI): <u>01:08</u>	☐ Settings Verified? ☐ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>431</u> k $e-\pi n$ evts: <u>46</u>	SHMS prescale pretrig: <u>504</u> k $\Sigma e-\pi n$ evts: <u>1591</u>	COIN pretrig: <u>265</u> k ☒ Data ok ☐ Junk
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45 μ A *(3/4 run)*

Run Number: 12471	☒ 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): <u>01:08</u> Stop time (RC GUI): <u>02:08</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>475</u> k $e-\pi n$ evts: <u>70</u>	SHMS prescale pretrig: <u>491</u> k $\Sigma e-\pi n$ evts: <u>1641</u>	COIN pretrig: <u>201</u> k ☒ Data ok ☐ Junk
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45 μ A

p(e,e' π)n Run Sheet

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

Date: 2021, 10, 05
yy mm dd

Initials: PMK

Continuation of Configuration:

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

SHMS center

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

Run Number: 12472	☒ 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): 02:09 Stop time (RC GUI): 03:09	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 458 k $e-\pi n$ evts: 88	SHMS prescale pretrig: 481 k $\Sigma e-\pi n$ evts: 1749	COIN pretrig: 195 k ☒ Data ok ☐ Junk
Comments: 45 μ A							

Run Number: 12473	☒ 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): 03:09 Stop time (RC GUI): 03:35	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 96 k $e-\pi n$ evts: 24	SHMS prescale pretrig: 92 k $\Sigma e-\pi n$ evts: 1773	COIN pretrig: 43 k ☒ Data ok ☐ Junk
Comments: 45 μ A Last 5 minutes of run was at $\sim 10 \mu$ A.							

Run Number: 12474	☐ 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): 03:46 Stop time (RC GUI): 04:55	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 184 k $e-\pi n$ evts: /	SHMS prescale pretrig: 76 k $\Sigma e-\pi n$ evts: /	COIN pretrig: 51 k ☒ Data ok ☐ Junk
Comments: 35 μ A. $\rightarrow$ 40 μ A. Dummy							

Run Number: 12475	☒ 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): 05:06 Stop time (RC GUI): 06:07	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 455 k $e-\pi n$ evts: 83	SHMS prescale pretrig: 478 k $\Sigma e-\pi n$ evts: 1856	COIN pretrig: 194 k ☒ Data ok ☐ Junk
Comments: 45 μ A.							

Run Number: 12476	☒ 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): 06:07 Stop time (RC GUI): 07:07	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 469 k $e-\pi n$ evts: 97	SHMS prescale pretrig: 494 k $\Sigma e-\pi n$ evts: 1953	COIN pretrig: 35 k ☒ Data ok ☐ Junk
Comments: 45 μ A							

Run Number: 12477	☒ 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): 07:07 Stop time (RC GUI): 07:27	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 146 k $e-\pi n$ evts: 22	SHMS prescale pretrig: 141 k $\Sigma e-\pi n$ evts: 1975	COIN pretrig: 58 k ☒ Data ok ☐ Junk
Comments: 45 μ A SHMS Q1 quench @ end of run							

p(e,e' π)n Run Sheet

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

Date: 21 / 10 / 05
yy mm dd

Initials: SJK

Continuation of Configuration:

$Q^2=6$ $W=3.14$
Centre ($\theta_{\text{sum}}=5.5$)

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

Run Number: <u>12478</u>	☒ 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>0</u> Mode10: cer / fadc	Start time (RC GUI): <u>19:41</u> Stop time (RC GUI): <u>20:21</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>215</u> k pretrig: <u>43</u> $e-\pi n$ evts:	SHMS prescale <u>221</u> k pretrig: <u>2018</u> $\Sigma e-\pi n$ evts:	COIN pretrig: <u>94</u> k ☒ Data ok ☐ Junk
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beam went down ~~short run~~ good 45 μ A

Run Number: <u>12479</u>	☒ 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>0</u> Mode10: cer / fadc	Start time (RC GUI): <u>20:47</u> Stop time (RC GUI): <u>21:52</u>	☒ Settings Verified? ☐ HV OK? ☒ 50k OK?	HMS prescale <u>450</u> k pretrig: <u>105</u> $e-\pi n$ evts:	SHMS prescale <u>467</u> k pretrig: <u>2123</u> $\Sigma e-\pi n$ evts:	COIN pretrig: <u>187</u> k ☒ Data ok ☒ Junk
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45 μ A good

Run Number: <u>12480</u>	☒ 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>0</u> Mode10: cer / fadc	Start time (RC GUI): <u>21:53</u> Stop time (RC GUI): <u>23:10</u>	☒ Settings Verified? ☐ HV OK? ☒ 50k OK?	HMS prescale <u>555</u> k pretrig: <u>126</u> $e-\pi n$ evts:	SHMS prescale <u>575</u> k pretrig: <u>2249</u> $\Sigma e-\pi n$ evts:	COIN pretrig: <u>228</u> k ☒ Data ok ☐ Junk
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45 μ A good

Run Number: <u>12481</u>	☒ 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>0</u> Mode10: cer / fadc	Start time (RC GUI): <u>23:12</u> Stop time (RC GUI): <u>23:52</u>	☒ Settings Verified? ☐ HV OK? ☒ 50k OK?	HMS prescale <u>235</u> k pretrig: <u>43</u> $e-\pi n$ evts:	SHMS prescale <u>241</u> k pretrig: <u>2292</u> $\Sigma e-\pi n$ evts:	COIN pretrig: <u>100</u> k ☒ Data ok ☐ Junk
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45 μ A stop because lost beam

Run Number: <u>12482</u>	☒ 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>0</u> Mode10: cer / fadc	Start time (RC GUI): <u>01:22</u> Stop time (RC GUI): <u>02:24</u>	☒ Settings Verified? ☐ HV OK? ☒ 50k OK?	HMS prescale <u>426</u> k pretrig: <u>77</u> $e-\pi n$ evts:	SHMS prescale <u>438</u> k pretrig: <u>2369</u> $\Sigma e-\pi n$ evts:	COIN pretrig: <u>175</u> k ☒ Data ok ☐ Junk
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45 μ A

Run Number: <u>12483</u>	☒ 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>0</u> Mode10: cer / fadc	Start time (RC GUI): <u>02:25</u> Stop time (RC GUI): <u>03:26</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>408</u> k pretrig: <u>72</u> $e-\pi n$ evts:	SHMS prescale <u>421</u> k pretrig: <u>2441</u> $\Sigma e-\pi n$ evts:	COIN pretrig: <u>169</u> k ☒ Data ok ☐ Junk
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45 μ A

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

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

Date: 21/10/06
yy mm dd

Initials: PMK

Continuation of Configuration:

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

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

Run Number: <u>12484</u>	☒ 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: _____ Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>03:27</u> Stop time (RC GUI): <u>04:28</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>442</u> k $e-\pi n$ evts: <u>68</u>	SHMS prescale pretrig: <u>456</u> k $\Sigma e-\pi n$ evts: <u>2509</u>	COIN pretrig: <u>179</u> k ☒ Data ok ☐ Junk
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45 μ A

HMS w Red off

Run Number: <u>12485</u>	☒ 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: _____ Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>04:29</u> Stop time (RC GUI): <u>05:28</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>441</u> k $e-\pi n$ evts: <u>68</u>	SHMS prescale pretrig: <u>454</u> k $\Sigma e-\pi n$ evts: <u>2577</u>	COIN pretrig: <u>177</u> k ☒ Data ok ☐ Junk
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45 μ A

Run Number: <u>12486</u>	☒ 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: _____ Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>05:29</u> Stop time (RC GUI): <u>06:31</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>405</u> k $e-\pi n$ evts: <u>69</u>	SHMS prescale pretrig: <u>474</u> k $\Sigma e-\pi n$ evts: <u>2648</u>	COIN pretrig: <u>166</u> k ☒ Data ok ☐ Junk
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45 μ A

Run Number: <u>12487</u>	☒ 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: _____ Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>06:32</u> Stop time (RC GUI): <u>07:33</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>400</u> k $e-\pi n$ evts: <u>80</u>	SHMS prescale pretrig: <u>420</u> k $\Sigma e-\pi n$ evts: <u>2726</u>	COIN pretrig: <u>165</u> k ☒ Data ok ☐ Junk
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45 μ A

Run Number: <u>12488</u>	☒ 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: _____ Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>07:34</u> Stop time (RC GUI): <u>8:36</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>406</u> k $e-\pi n$ evts: <u>92</u>	SHMS prescale pretrig: <u>415</u> k $\Sigma e-\pi n$ evts: <u>2818</u>	COIN pretrig: <u>167</u> k ☒ Data ok ☐ Junk
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45 μ A

Run Number: <u>12489</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>4</u> PS5: <u>0</u> PS6: <u>1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>8:37</u> Stop time (RC GUI): <u>8:52</u>	☐ Settings Verified? ☐ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>68</u> k $e-\pi n$ evts: <u>94</u>	SHMS prescale pretrig: <u>69</u> k $\Sigma e-\pi n$ evts: <u>2832</u>	COIN pretrig: <u>31</u> k ☒ Data ok ☐ Junk
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End Run @ RF cavity problem

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

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

Date: 21/10/06
yy mm dd

Initials: PRIC

Continuation of Configuration:

$Q^2 = 6.0$, $W = 319$
 $\theta = 5.505^\circ$ center SHMS.

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

Run Number: 12490	☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>7</u> PS4: <u>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>9:05</u> Stop time (RC GUI): <u>10:09</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>181</u> k pretrig: $e-\pi n$ evts: <u>1</u>	SHMS prescale <u>75</u> k pretrig: $\Sigma e-\pi n$ evts: <u>10</u>	COIN pretrig: <u>47</u> k ☒ Data ok ☐ Junk
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Comments:

Dummy TGT RUN for 10/6/2021

Run Number: 12491	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: <u>13</u> PS2: <u>7</u> PS3: <u>7</u> PS4: <u>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>10:20</u> Stop time (RC GUI): <u>11:21</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>456</u> k pretrig: $e-\pi n$ evts: <u>82</u>	SHMS prescale <u>469</u> k pretrig: $\Sigma e-\pi n$ evts: <u>2914</u>	COIN pretrig: <u>183</u> k ☒ Data ok ☐ Junk
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Comments:

BACK TO LH2 LOOP 2

EDTM=36K

Run Number: 12492	☒ 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: <u>cer</u> / fadc	Start time (RC GUI): <u>11:22</u> Stop time (RC GUI): <u>12:28</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>421</u> k pretrig: $e-\pi n$ evts: <u>69</u>	SHMS prescale <u>433</u> k pretrig: $\Sigma e-\pi n$ evts: <u>2983</u>	COIN pretrig: <u>176</u> k ☒ Data ok ☐ Junk
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Comments:

EDTM=39K.

Run Number: 12493	☒ 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: <u>cer</u> / fadc	Start time (RC GUI): <u>12:29</u> Stop time (RC GUI): <u>13:35</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>420</u> k pretrig: $e-\pi n$ evts: <u>80</u>	SHMS prescale <u>429</u> k pretrig: $\Sigma e-\pi n$ evts: <u>3063</u>	COIN pretrig: <u>175</u> k ☒ Data ok ☐ Junk
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Comments:

Run Number: 12494	☒ 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: <u>cer</u> / fadc	Start time (RC GUI): <u>13:37</u> Stop time (RC GUI): <u>14:00</u>	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale <u>169</u> k pretrig: $e-\pi n$ evts: <u>36</u>	SHMS prescale <u>174</u> k pretrig: $\Sigma e-\pi n$ evts: <u>3099</u>	COIN pretrig: <u>68</u> k ☒ Data ok ☐ Junk
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Comments:

Run Number: 12495	☐ 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: <u>cer</u> / fadc	Start time (RC GUI): <u>14:07</u> Stop time (RC GUI): <u>14:11</u>	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale _____ k pretrig: $e-\pi n$ evts: _____	SHMS prescale _____ k pretrig: $\Sigma e-\pi n$ evts: _____	COIN pretrig: _____ k ☐ Data ok ☒ Junk
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Comments:

BCM Calibration

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

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

Date: 21 / 10 / 06
yy mm dd

Initials: AKC

Continuation of Configuration:

$Q^2 = 6.0$ $W = 3.1$
 $g = 5.505^b$, SHMS CENTER

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

Run Number: 12496	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☒ OUT g beam	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): 14:11 Stop time (RC GUI): 15:02	☒ 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: BCM Calibration							

Run Number: 12497	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>9</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u> Mode10: cer / fadc	Start time (RC GUI): 15:18 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: HMS-3/4 RUN							

Run Number: 12498	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>4</u> PS4: <u>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 16:05 Stop time (RC GUI): 16:08	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts:	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts:	COIN pretrig: k ☐ Data ok ☒ Junk
Comments: Testing Prescales							

Run Number: 12499	☒ 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): 16:09 Stop time (RC GUI): 17:09	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts: 403 75	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts: 413 3174	COIN pretrig: k ☒ Data ok ☐ Junk
Comments: Prod 45 μA good run							

Run Number: 12500	☒ 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): 17:10 Stop time (RC GUI): 18:03	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts: 372 81	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts: 381 3265	COIN pretrig: k ☒ Data ok ☐ Junk
Comments: 45 μA Prod							

Run Number: 12501	☒ 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): 18:03 Stop time (RC GUI): 19:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: k $e-\pi n$ evts: 382 91	SHMS prescale pretrig: k $\Sigma e-\pi n$ evts: 392 3356	COIN pretrig: k ☒ Data ok ☐ Junk
Comments: 45 μA Prod good							

3255 Run
6 Fixed @ 12507

p(e,e' π)n Run Sheet

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

Date: 21/6/06
yy mm dd

Initials: MB

Continuation of Configuration:

$Q^2 = 6 \text{ GeV}^2$ $W = 3.18 \text{ GeV}$
 $\theta = 5.565 \text{ SHMS}$

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

Run Number: <u>12502</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>19:01</u> Stop time (RC GUI): <u>19:16</u>	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale pretrig: _____ k $e-\pi n$ evts: _____	SHMS prescale pretrig: _____ k $\Sigma e-\pi n$ evts: _____	COIN pretrig: _____ k ☐ Data ok ☒ Junk
Comments: <u>no beam</u>							

Run Number: <u>12503</u>	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>15</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>19:27</u> Stop time (RC GUI): <u>20:12</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>388</u> k pretrig: _____ $e-\pi n$ evts: <u>74</u>	SHMS prescale <u>388</u> k pretrig: _____ $\Sigma e-\pi n$ evts: <u>3430</u>	COIN pretrig: <u>153</u> k ☒ Data ok ☐ Junk
Comments: <u>45 μA Prod, good.</u>							

Run Number: <u>12504</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>20:13</u> Stop time (RC GUI): <u>21:10</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale _____ k pretrig: _____ $e-\pi n$ evts: <u>70</u>	SHMS prescale _____ k pretrig: _____ $\Sigma e-\pi n$ evts: <u>3500</u>	COIN pretrig: _____ k ☒ Data ok ☐ Junk
Comments: <u>45 μA Prod good</u>							

Run Number: <u>12505</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>21:11</u> Stop time (RC GUI): <u>22:29</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>544</u> k pretrig: _____ $e-\pi n$ evts: <u>115</u>	SHMS prescale <u>558</u> k pretrig: _____ $\Sigma e-\pi n$ evts: <u>3615</u>	COIN pretrig: <u>122</u> k ☒ Data ok ☐ Junk
Comments: <u>45 μA Prod good</u>							

Run Number: <u>12506</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>22:30</u> Stop time (RC GUI): <u>23:27</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>391</u> k pretrig: _____ $e-\pi n$ evts: <u>76</u>	SHMS prescale <u>401</u> k pretrig: _____ $\Sigma e-\pi n$ evts: <u>3691</u>	COIN pretrig: <u>159</u> k ☒ Data ok ☐ Junk
Comments: <u>45 μA Prod good</u>							

Run Number: <u>12507</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): <u>23:28</u> Stop time (RC GUI): <u>00:33</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>473</u> k pretrig: _____ $e-\pi n$ evts: <u>77</u>	SHMS prescale <u>482</u> k pretrig: _____ $\Sigma e-\pi n$ evts: <u>3758</u>	COIN pretrig: <u>190</u> k ☒ Data ok ☐ Junk
Comments: <u>45 μA</u> <u>(-10 from run 12500)</u>							

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

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

Date: 21, 10, 07
yy mm dd

Initials: Pmk

Continuation of Configuration:

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

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

Run Number: 12508	☒ 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>0</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): 00:34 Stop time (RC GUI): 01:26	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 372 k $e-\pi n$ evts: 72	SHMS prescale pretrig: 380 k $\Sigma e-\pi n$ evts: 3830	COIN pretrig: 149 k ☒ Data ok ☐ Junk
Comments: 45 μA Ended early due to target coolant in temp rising							

Run Number: 12509	☒ 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: <u>cer</u> / fadc	Start time (RC GUI): 01:42 Stop time (RC GUI): 02:43	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 405 k $e-\pi n$ evts: 78	SHMS prescale pretrig: 409 k $\Sigma e-\pi n$ evts: 3908	COIN pretrig: 163 k ☒ Data ok ☐ Junk
Comments: 45 μA							

Run Number: 12510	☒ 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: <u>cer</u> / fadc	Start time (RC GUI): 02:44 Stop time (RC GUI): 03:44	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 450 k $e-\pi n$ evts: 81	SHMS prescale pretrig: 460 k $\Sigma e-\pi n$ evts: 3989	COIN pretrig: 181 k ☒ Data ok ☐ Junk
Comments: 45 μA							

Run Number: 12511	☒ 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: <u>cer</u> / fadc	Start time (RC GUI): 03:44 Stop time (RC GUI): 04:44	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 396 k $e-\pi n$ evts: 86	SHMS prescale pretrig: 403 k $\Sigma e-\pi n$ evts: 4075	COIN pretrig: 161 k ☒ Data ok ☐ Junk
Comments: 45 μA							

Run Number: 12512	☒ 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>0</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): 04:44 Stop time (RC GUI): 05:44	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 438 k $e-\pi n$ evts: 91	SHMS prescale pretrig: 446 k $\Sigma e-\pi n$ evts: 4166	COIN pretrig: 176 k ☒ Data ok ☐ Junk
Comments: 45 μA							

Run Number: 12513	☒ 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>0</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): 05:44 Stop time (RC GUI): 06:45	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 414 k $e-\pi n$ evts: 83	SHMS prescale pretrig: 422 k $\Sigma e-\pi n$ evts: 4249	COIN pretrig: 169 k ☒ Data ok ☐ Junk
Comments: 45 μA							

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

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

Date: 21/10/07
yy mm dd

Initials: PMK

Continuation of Configuration:

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

SHMS center

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

Run Number: 12514	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 13 PS2: _____ PS3: _____ PS4: 4 PS5: 0 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 06:46 Stop time (RC GUI): 07:49	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 446 k $e-\pi n$ evts: 84	SHMS prescale pretrig: 456 k $\Sigma e-\pi n$ evts: 4333	COIN pretrig: 181 k ☒ Data ok ☐ Junk
Comments: 45 μ A							

Run Number: 12515	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 13 PS2: _____ PS3: _____ PS4: 4 PS5: 0 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 07:50 Stop time (RC GUI): 07:53	☒ 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: 45 μ A FADC mode10							

Run Number: 12516	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 13 PS2: _____ PS3: _____ PS4: 4 PS5: 0 PS6: 0 Mode10: cer / fadc	Start time (RC GUI): 07:54 Stop time (RC GUI): 8:58	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 266 k $e-\pi n$ evts: 410	SHMS prescale pretrig: 269 k $\Sigma e-\pi n$ evts: 4373	COIN pretrig: 123 k ☒ Data ok ☐ Junk
Comments: 45 μ A, Beam off at end							

Run Number: 12517	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____ Mode10: cer / fadc	Start time (RC GUI): _____ Stop time (RC GUI): _____	☐ Settings Verified? ☐ HV OK? ☐ 50k OK?	HMS prescale pretrig: _____ k $e-\pi n$ evts: _____	SHMS prescale pretrig: _____ k $\Sigma e-\pi n$ evts: _____	COIN pretrig: _____ k ☐ Data ok ☒ Junk
Comments: 1224 Tapped before prestart finished							

Run Number: 12518	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 4 PS5: -9 PS6: -9 Mode10: cer / fadc	Start time (RC GUI): 12:37 Stop time (RC GUI): 13:49	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 429 k $e-\pi n$ evts: 88	SHMS prescale pretrig: 438 k $\Sigma e-\pi n$ evts: 4461	COIN pretrig: 181 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 12519	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____ cm ☐ _____	PS1: 13 PS2: -1 PS3: -1 PS4: 4 PS5: -9 PS6: -9 Mode10: cer / fadc	Start time (RC GUI): 13:50 Stop time (RC GUI): 14:56	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 421 k $e-\pi n$ evts: 88	SHMS prescale pretrig: 429 k $\Sigma e-\pi n$ evts: 4549	COIN pretrig: 174 k ☒ Data ok ☐ Junk
Comments:							

p(e,e' π)n Run Sheet

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

Date: 2021, 10, 7
yy mm dd

Initials: EEK

Continuation of Configuration:

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

SHMS Center

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

Run Number: 12520	☐ 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): 15:04 Stop time (RC GUI): 16:08	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 171 k $e-\pi n$ evts: 3	SHMS prescale pretrig: 70 k $\Sigma e-\pi n$ evts: 4552	COIN pretrig: 46 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 12521	☐ 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): 16:10 Stop time (RC GUI): 16:21	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 31 k $e-\pi n$ evts: 1	SHMS prescale pretrig: 13 k $\Sigma e-\pi n$ evts: 4552	COIN pretrig: 8 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 12522	☒ 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): 16:29 Stop time (RC GUI): 16:30	☐ 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
Forgot prescales Junk							

Run Number: 12523	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>14</u> PS2: <u>-1</u> PS3: <u>3</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>0</u> Mode10: cer / fadc	Start time (RC GUI): 16:32 Stop time (RC GUI): 17:32	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 3932 k $e-\pi n$ evts: 94	SHMS prescale pretrig: 224 k $\Sigma e-\pi n$ evts: 4643	COIN pretrig: 176 k ☒ Data ok ☐ Junk
3/4 run -							

Run Number: 12524	☒ 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
Forgot to change Prescale							

Run Number: 12525	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 17:36 Stop time (RC GUI): 18:36	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 234 k $e-\pi n$ evts: 86	SHMS prescale pretrig: 226 k $\Sigma e-\pi n$ evts: 4729	COIN pretrig: 178 k ☒ Data ok ☐ Junk
Comments:							

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

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

Date: ____/____/____
yy mm dd

Initials: P.S.

Continuation of Configuration:

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

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

Run Number: 12526	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>M</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>5</u> PS5: <u>0</u> PS6: <u>1</u> Mode10: cer / fadc	Start time (RC GUI): 18:37 Stop time (RC GUI): 19:29	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale ¹⁸⁰ 180 k pretrig: _____ $e-\pi n$ evts: 66	SHMS prescale ¹⁷⁴ 174 k pretrig: _____ $\Sigma e-\pi n$ evts: 4795	COIN pretrig: 137 k ☒ Data ok ☐ Junk
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Energy lock lost for last ~15 min of Run

Run Number: 12527	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 19:25 Stop time (RC GUI): 20:25	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 169 k pretrig: _____ $e-\pi n$ evts: 66	SHMS prescale 163 k pretrig: _____ $\Sigma e-\pi n$ evts: 4861	COIN pretrig: 137 k ☒ Data ok ☐ Junk
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no energy lock, E lock back at 19:57

Run Number: 12528	☒ 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>5</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / fadc	Start time (RC GUI): 20:25 Stop time (RC GUI): 21:25	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 225 k pretrig: _____ $e-\pi n$ evts: 76	SHMS prescale 216 k pretrig: _____ $\Sigma e-\pi n$ evts: 4937	COIN pretrig: 171 k ☒ Data ok ☐ Junk
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Run Number: 12529	☒ 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>5</u> PS5: <u>0</u> PS6: <u>1</u> Mode10: cer / fadc	Start time (RC GUI): 21:26 Stop time (RC GUI): 22:26	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 237 k pretrig: _____ $e-\pi n$ evts: 101	SHMS prescale 228 k pretrig: _____ $\Sigma e-\pi n$ evts: 5038	COIN pretrig: 179 k ☒ Data ok ☐ Junk
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Run Number: 12530	☒ 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>5</u> PS5: <u>0</u> PS6: <u>1</u> Mode10: cer / fadc	Start time (RC GUI): 22:26 Stop time (RC GUI): 23:26	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 215 k pretrig: _____ $e-\pi n$ evts: 103	SHMS prescale 207 k pretrig: _____ $\Sigma e-\pi n$ evts: 5141	COIN pretrig: 166 k ☒ Data ok ☐ Junk
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Run Number: 12531	☒ 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>5</u> PS5: <u>0</u> PS6: <u>1</u> Mode10: cer / fadc	Start time (RC GUI): 23:27 Stop time (RC GUI): 00:27	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 210 k pretrig: _____ $e-\pi n$ evts: 64	SHMS prescale 202 k pretrig: _____ $\Sigma e-\pi n$ evts: 5205	COIN pretrig: 163 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: 21/10/8
yy mm dd

Initials: JM
(The destroyer)

Continuation of Configuration:

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

SHMS center

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

Run Number: 12532	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 14 PS2: _____ PS3: _____ PS4: 5 PS5: 0 PS6: _____ Mode10: cer / fadc	Start time (RC GUI): 00:28 Stop time (RC GUI): 01:32	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 245 k pretrig: $e-\pi n$ evts: 86	SHMS prescale 236 k pretrig: $\Sigma e-\pi n$ evts: 5291	COIN pretrig: 186 k ☒ Data ok ☐ Junk
Comments: 45 μ A							

Run Number: 12533	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: 13 PS2: _____ PS3: _____ PS4: 4 PS5: 0 PS6: _____ Mode10: cer / fadc	Start time (RC GUI): 01:32 Stop time (RC GUI): 01:56	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 174 k pretrig: $e-\pi n$ evts: 38	SHMS prescale 178 k pretrig: $\Sigma e-\pi n$ evts: 5329	COIN pretrig: 70 k ☒ Data ok ☐ Junk
Comments: 45 μ A Changed prescales. Stopped because SHMS interlocks (All)							

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

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

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

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

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

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

Date: 21/10/08
yy mm dd

Initials: GH

Use a separate sheet for each configuration.

Configuration Name: _____

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

SHMS Center $\theta = 5.505$

E_{beam}: 9.173 GeV

I_{beam}: 45 μ A

HMS

p: +0.10260 θ (TV): 47.040
From GUI Nearest 0.005

SHMS

p: +0.80350 θ (TV): 5.505
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
-0.5 mm	0.0 mm	
Nomin:		
3H07C	X	Y
-0.9 mm	-0.3 mm	
Nomin:		

HMS

SHMS

Q1	I-SET (from PSU) 133.5700 A B-HALL 0.17312 T	A	I-SET (from PSU) 2748.5200 A B-HALL -17.478 kg	A	HB
Q2	I-SET (from PSU) 106.0870 A B-HALL -0.17424 T	A	I-SET (from PSU) 1696.7700 A B-HALL 12.024 kg	A	Q1
Q3	I-SET (from PSU) 51.4906 A B-HALL 0.10279 T	A	I-SET (from PSU) 2833.8000 A B-HALL -26.707 kg	A	Q2
D	I-READ 312.24 A B-NMR 0.2808700 T	A	I-SET (from PSU) 1864.6100 A B-HALL -17.985 kg	A	Q3
	If momentum increased: ☒ HMS cycled? ☒ SHMS cycled?		I-SET (from PSU) 2563.6500 A B-NMR 18.565 kg	A	D

Run Number:

12534

- ☒ 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):

17:17:38

Stop time (RC GUI):

18:15:29

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 405 k

$e-\pi n$ evts:

92

SHMS prescale
pretrig: 415 k

$\Sigma e-\pi n$ evts:

5421

COIN
pretrig: 163 k

☒ Data ok

☐ Junk

Comments:

Production on LH2.
Forgot to write down # of events (!!)

Run Number:

12535

- ☒ 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):

18:16:29

Stop time (RC GUI):

19:02:25

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 276 k

$e-\pi n$ evts:

50

SHMS prescale
pretrig: 283 k

$\Sigma e-\pi n$ evts:

5471

COIN
pretrig: 115 k

☒ Data ok

☐ Junk

Comments:

Production run. 661412 events
Beam tripped for > 5 mins.

Run Number:

12536

- ☒ 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):

19:11:21

Stop time (RC GUI):

20:09:11

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 391 k

$e-\pi n$ evts:

78

SHMS prescale
pretrig: 401 k

$\Sigma e-\pi n$ evts:

5549

COIN
pretrig: 159 k

☒ Data ok

☐ Junk

Comments:

Production run. 932809 events

Run Number:

12537

- ☒ 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):

20:11:55

Stop time (RC GUI):

21:11:12

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale
pretrig: 419 k

$e-\pi n$ evts:

91

SHMS prescale
pretrig: 432 k

$\Sigma e-\pi n$ evts:

5640

COIN
pretrig: 169 k

☒ Data ok

☐ Junk

Comments:

Production run. 1002045 events

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

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

Date: 21/10/08
yy mm dd

Initials: OK

Continuation of Configuration:

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

SHMS center $\theta = 5.505$

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

Run Number: 12538	☒ 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): <u>21:12:08</u> Stop time (RC GUI): <u>21:41</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>142</u> k $e-\pi n$ evts: <u>32</u>	SHMS prescale pretrig: <u>145</u> k $\Sigma e-\pi n$ evts: <u>5672</u>	COIN pretrig: <u>62</u> k ☒ Data ok ☐ Junk
Comments: Production run Beam gone for about 10 minutes 343338 events							

Run Number: 12539	☒ 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): <u>21:47:50</u> Stop time (RC GUI): <u>22:44:52</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>420</u> k $e-\pi n$ evts: <u>78</u>	SHMS prescale pretrig: <u>432</u> k $\Sigma e-\pi n$ evts: <u>5750</u>	COIN pretrig: <u>169</u> k ☒ Data ok ☐ Junk
Comments: Production run 1M evts							

Run Number: 12540	☐ 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): <u>22:51:02</u> Stop time (RC GUI): <u>23:45:53</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>144</u> k $e-\pi n$ evts: <u>5</u>	SHMS prescale pretrig: <u>59</u> k $\Sigma e-\pi n$ evts: <u> </u>	COIN pretrig: <u>40</u> k ☒ Data ok ☐ Junk
Comments: Long dummy target run 40 nA 239276 events							

Run Number: 12541	☒ 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): <u>23:53:34</u> Stop time (RC GUI): <u>00:53:29</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>424</u> k $e-\pi n$ evts: <u>81</u>	SHMS prescale pretrig: <u>436</u> k $\Sigma e-\pi n$ evts: <u>5831</u>	COIN pretrig: <u>172</u> k ☒ Data ok ☐ Junk
Comments: Production run 45 nA							

Run Number: 12542	☒ 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): <u>00:54:19</u> Stop time (RC GUI): <u>01:59:46</u>	☒ Settings Verified? ☐ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>451</u> k $e-\pi n$ evts: <u>99</u>	SHMS prescale pretrig: <u>462</u> k $\Sigma e-\pi n$ evts: <u>5930</u>	COIN pretrig: <u>183</u> k ☒ Data ok ☐ Junk
Comments: 45 nA 1076131 events							

Run Number: 12543	☒ 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): <u>02:01:13</u> Stop time (RC GUI): <u>02:59:38</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: <u>417</u> k $e-\pi n$ evts: <u>80</u>	SHMS prescale pretrig: <u>430</u> k $\Sigma e-\pi n$ evts: <u>6010</u>	COIN pretrig: <u>168</u> k ☒ Data ok ☐ Junk
Comments: 45 nA 997k events							

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

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

Date: 21/10/09
yy mm dd

Initials: *jm*

Continuation of Configuration:

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

SAMS $\theta = 5.505$ (center)

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

Run Number: 12544	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____cm	PS1: 13 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: <u>6</u> / fadc	Start time (RC GUI): 03:00 Stop time (RC GUI): 04:00	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 430 k pretrig: $e-\pi n$ evts: 81	SHMS prescale: 442 k pretrig: $\Sigma e-\pi n$ evts: 6091	COIN pretrig: 173 k ☒ Data ok ☐ Junk
Comments: 45 μ A 1.02 mill Events							

Run Number: 12545	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____cm	PS1: 13 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: <u>6</u> / fadc	Start time (RC GUI): 04:00 Stop time (RC GUI): 04:35	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 208 k pretrig: $e-\pi n$ evts: 46	SHMS prescale: 214 k pretrig: $\Sigma e-\pi n$ evts: 6137	COIN pretrig: 87 k ☒ Data ok ☐ Junk
Comments: 45 μ A Beam off for 7 min, stopped early 500 k events							

Run Number: 12546	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____cm	PS1: 13 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: <u>6</u> / fadc	Start time (RC GUI): 04:45 Stop time (RC GUI): 05:45	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 449 k pretrig: $e-\pi n$ evts: 95	SHMS prescale: 463 k pretrig: $\Sigma e-\pi n$ evts: 6232	COIN pretrig: 180 k ☒ Data ok ☐ Junk
Comments: 45 μ A 1.07 M events							

Run Number: 12547	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____cm	PS1: 13 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: <u>6</u> / fadc	Start time (RC GUI): 05:46 Stop time (RC GUI): 06:45	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 369 k pretrig: $e-\pi n$ evts: 68	SHMS prescale: 377 k pretrig: $\Sigma e-\pi n$ evts: 6306	COIN pretrig: 153 k ☒ Data ok ☐ Junk
Comments: 45 μ A 883 k events							

Run Number: 12548	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____cm	PS1: 13 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: <u>6</u> / fadc	Start time (RC GUI): 06:46 Stop time (RC GUI): 07:46	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 434 k pretrig: $e-\pi n$ evts: 89	SHMS prescale: 446 k pretrig: $\Sigma e-\pi n$ evts: 6389	COIN pretrig: 174 k ☒ Data ok ☐ Junk
Comments: 45 μ A							

Run Number: 12549	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____cm	PS1: 13 PS2: -1 PS3: -1 PS4: 4 PS5: 0 PS6: -1 Mode10: <u>6</u> / fadc	Start time (RC GUI): 07:50 Stop time (RC GUI): 09:09	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 4588 k pretrig: $e-\pi n$ evts: 105	SHMS prescale: 522 k pretrig: $\Sigma e-\pi n$ evts: 6494	COIN pretrig: 210 k ☒ Data ok ☐ Junk
Comments: 45 μ A 3/4							

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

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

Date: 21/10/9
yy mm dd

Initials: SJK

Continuation of Configuration:

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

SHMS' center ($\theta = 5.50^\circ$)

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

Run Number: 12550	☒ 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): 09:10 Stop time (RC GUI): 09:55	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 144 k $e-\pi n$ evts: 37	SHMS prescale pretrig: 196 k $\Sigma e-\pi n$ evts: 6531	COIN pretrig: 87 k ☒ Data ok ☐ Junk
Comments: 45 μ A Last ~10 minutes are down due to beam down							

Run Number: 12551	☒ 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): 10:10 Stop time (RC GUI): 11:10	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 401 k $e-\pi n$ evts: 79	SHMS prescale pretrig: 412 k $\Sigma e-\pi n$ evts: 6610	COIN pretrig: 165 k ☒ Data ok ☐ Junk
Comments: 45 μ A							

Run Number: 12552	☒ 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): 11:11 Stop time (RC GUI): 12:11	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 430 k $e-\pi n$ evts: 88	SHMS prescale pretrig: 442 k $\Sigma e-\pi n$ evts: 6698	COIN pretrig: 174 k ☒ Data ok ☐ Junk
Comments: 45 μ A							

Run Number: 12553	☒ 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): 12:12 Stop time (RC GUI): 13:24	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 442 k $e-\pi n$ evts: 101	SHMS prescale pretrig: 453 k $\Sigma e-\pi n$ evts: 6799	COIN pretrig: 184 k ☒ Data ok ☐ Junk
Comments: 45 μ A							

Run Number: 12554	☒ 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): 13:24 Stop time (RC GUI): 14:26	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 453 k $e-\pi n$ evts: 94	SHMS prescale pretrig: 467 k $\Sigma e-\pi n$ evts: 6893	COIN pretrig: 182 k ☒ Data ok ☐ Junk
Comments: 45 μ A							

Run Number: 12555	☒ 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): 14:27 Stop time (RC GUI): 15:27	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale pretrig: 435 k $e-\pi n$ evts: 95	SHMS prescale pretrig: 445 k $\Sigma e-\pi n$ evts: 7227	COIN pretrig: 174 k ☒ Data ok ☐ Junk
Comments: 45 μ A Re-analyzed to 12554 Jan 7132 Pion $\rightarrow$							

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

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

Date: 21/10/09
yy mm dd

Initials: PMK

Continuation of Configuration:

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

SHMS center ($\theta = 5.5^\circ$)

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

Run Number: 12556	☒ 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: <u>cer</u> fadc	Start time (RC GUI): 15:27 Stop time (RC GUI): 16:07	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 269 k SHMS prescale: 274 k e- π n evts: 61 Σ e- π n evts: 7288	COIN pretrig: 100 k ☒ Data ok ☐ Junk
Comments: 245 nA HMS Dipole major alarm went off. 639954 events Ended run early.						

Run Number: 12557	☐ 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>-1</u> PS6: <u>-1</u> Mode10: <u>cer</u> fadc	Start time (RC GUI): 18:00:48 Stop time (RC GUI): 18:59:54	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 171 k SHMS prescale: 71 k e- π n evts: 2 Σ e- π n evts: 21	COIN pretrig: 44 k ☒ Data ok ☐ Junk
Comments: 340 nA 280814 Events						

Run Number: 12558	☒ 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: <u>cer</u> fadc	Start time (RC GUI): 19:07:45 Stop time (RC GUI): 20:05:57	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 421 k SHMS prescale: 432 k e- π n evts: 80 Σ e- π n evts: 7368	COIN pretrig: 169 k ☒ Data ok ☐ Junk
Comments: 245 nA 1002395 events						

Run Number: 12559	☒ 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: <u>cer</u> fadc	Start time (RC GUI): 20:06:52 Stop time (RC GUI): 21:03:59	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 421 k SHMS prescale: 431 k e- π n evts: 74 Σ e- π n evts: 7442	COIN pretrig: 169 k ☒ Data ok ☐ Junk
Comments: 1003756 events						

Run Number: 12560	☒ 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: <u>cer</u> fadc	Start time (RC GUI): 21:04:57 Stop time (RC GUI): 22:45:20	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 422 k SHMS prescale: 431 k e- π n evts: 91 Σ e- π n evts: 7533	COIN pretrig: 170 k ☒ Data ok ☐ Junk
Comments: 1005178 events						

Run Number: 12561	☒ 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: <u>cer</u> fadc	Start time (RC GUI): 22:06:05 Stop time (RC GUI): 23:02:34	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale: 390 k SHMS prescale: 399 k e- π n evts: 55 Σ e- π n evts: 7588	COIN pretrig: 158 k ☒ Data ok ☐ Junk
Comments: 930664 events						

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

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

Date: 24 / 10 / 09
yy mm dd

Initials: DL

Continuation of Configuration:

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

$$\text{SHMS Center } \theta = 5.5^\circ$$

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

Run Number: <u>12562</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>23:03:25</u> Stop time (RC GUI): <u>0:02:00</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>428</u> k SHMS prescale <u>437</u> k $e-\pi n$ evts: <u>72</u> $\Sigma e-\pi n$ evts: <u>7660</u>	COIN pretrig: <u>170</u> k ☒ Data ok ☐ Junk
Comments: Prescales inverted from actual						

Run Number: <u>12563</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>0</u> PS5: <u>4</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>0:02:15</u> Stop time (RC GUI): <u>1:00:00</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>352</u> k SHMS prescale <u>354</u> k $e-\pi n$ evts: <u>67</u> $\Sigma e-\pi n$ evts: <u>7727</u>	COIN pretrig: <u>146</u> k ☒ Data ok ☐ Junk
Comments: Prescales inverted from actual						

Run Number: <u>12564</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>0</u> PS5: <u>4</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>1:00:41</u> Stop time (RC GUI): <u>1:34:00</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>192</u> k SHMS prescale <u>196</u> k $e-\pi n$ evts: <u>42</u> $\Sigma e-\pi n$ evts: <u>7769</u>	COIN pretrig: <u>82</u> k ☒ Data ok ☐ Junk
Comments: Prescales inverted from actual.						

Run Number: <u>12565</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>09:06</u> Stop time (RC GUI): <u>10:09</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>409</u> k SHMS prescale <u>418</u> k $e-\pi n$ evts: <u>73</u> $\Sigma e-\pi n$ evts: <u>7842</u>	COIN pretrig: <u>166</u> k ☒ Data ok ☐ Junk
Comments: <u>45_n</u> First run after beam restoration						

Run Number: <u>12566</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>10:11</u> Stop time (RC GUI): <u>11:22</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>451</u> k SHMS prescale <u>460</u> k $e-\pi n$ evts: <u>102</u> $\Sigma e-\pi n$ evts: <u>7944</u>	COIN pretrig: <u>183</u> k ☒ Data ok ☐ Junk
Comments: <u>45_{nA}</u>						

Run Number: <u>12567</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: <u>cer</u> / fadc	Start time (RC GUI): <u>11:23</u> Stop time (RC GUI): <u>12:20</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>425</u> k SHMS prescale <u>435</u> k $e-\pi n$ evts: <u>95</u> $\Sigma e-\pi n$ evts: <u>8039</u>	COIN pretrig: <u>167</u> k ☒ Data ok ☐ Junk
Comments: <u>45_{nA}</u> SHMS hodo 2x+, PMT3 has big pedestal difference						

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

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

Date: 21/10/10
yy mm dd

Initials: PMK

Continuation of Configuration:

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

SHMS center ($\theta = 5.5^\circ$)

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

Run Number: 12568	☒ 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): 12:21 Stop time (RC GUI): 13:23	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 369 k pretrig: $e-\pi n$ evts: 78	SHMS prescale 377 k pretrig: $\Sigma e-\pi n$ evts: 8117	COIN pretrig: 152 k ☒ Data ok ☐ Junk
Comments: 45 μ A SHMS hodo pedestals are normal. One SHMS Cal pedestal is different.							

Run Number: 12569	☒ 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): 13:24 Stop time (RC GUI): 14:27	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 457 k pretrig: $e-\pi n$ evts: 86	SHMS prescale 467 k pretrig: $\Sigma e-\pi n$ evts: 8203	COIN pretrig: 181 k ☒ Data ok ☐ Junk
Comments: 45 μ A All pedestals look normal in 50k analysis.							

Run Number: 12570	☒ 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): 14:28 Stop time (RC GUI): 15:34	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 460 k pretrig: $e-\pi n$ evts: 74	SHMS prescale 469 k pretrig: $\Sigma e-\pi n$ evts: 8277	COIN pretrig: 183 k ☒ Data ok ☐ Junk
Comments: 45 μ A							

Run Number: 12571	☒ 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): 15:35 Stop time (RC GUI): 16:38	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 448 k pretrig: $e-\pi n$ evts: 109	SHMS prescale 456 k pretrig: $\Sigma e-\pi n$ evts: 8380	COIN pretrig: 178 k ☒ Data ok ☐ Junk
Comments: 45 μ A							

Run Number: 12572	☒ 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): 16:39 Stop time (RC GUI): 17:40	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 433 k pretrig: $e-\pi n$ evts: 78	SHMS prescale 442 k pretrig: $\Sigma e-\pi n$ evts: 8466	COIN pretrig: 171 k ☒ Data ok ☐ Junk
Comments: 45 μ A EDM = 36k							

Run Number: 12573	☒ 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): 17:41 Stop time (RC GUI): 18:42	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 422 k pretrig: $e-\pi n$ evts: 65	SHMS prescale 430 k pretrig: $\Sigma e-\pi n$ evts: 8531	COIN pretrig: 168 k ☒ Data ok ☐ Junk
Comments: EDM = 36k							

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

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

Date: 21/10/10
yy mm dd

Initials: RG

Continuation of Configuration:

$Q^2 = 6$, $W = 3.9$

SHMS center ($\theta = 5.5^\circ$)

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

Run Number: 12574	☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ C 0.5% r.l. ☐ Optics ____cm ☐ _____	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>8</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u> Mode10: cer / fadc	Start time (RC GUI): 18:45 Stop time (RC GUI): 19:29	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 2274 k pretrig: $e-\pi n$ evts: 46	SHMS prescale 257 k pretrig: $\Sigma e-\pi n$ evts: 8577	COIN pretrig: 105 k ☒ Data ok ☐ Junk
Comments: 3/4 Run							

ESTM=25k

Run Number: 12575	☒ 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>0</u> Mode10: cer / fadc	Start time (RC GUI): 19:35 Stop time (RC GUI): 20:39	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 432 k pretrig: $e-\pi n$ evts: 96	SHMS prescale 440 k pretrig: $\Sigma e-\pi n$ evts: 8673	COIN pretrig: 173 k ☒ Data ok ☐ Junk
Comments:							

EDTM=37k

Run Number: 12576	☒ 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>0</u> Mode10: cer / fadc	Start time (RC GUI): 20:39 Stop time (RC GUI): 21:39	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 406 k pretrig: $e-\pi n$ evts: 83	SHMS prescale 413 k pretrig: $\Sigma e-\pi n$ evts: 8756	COIN pretrig: 162 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 12577	☒ 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>0</u> Mode10: cer / fadc	Start time (RC GUI): 21:39 Stop time (RC GUI): 22:38	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 405 k pretrig: $e-\pi n$ evts: 82	SHMS prescale 411 k pretrig: $\Sigma e-\pi n$ evts: 8836	COIN pretrig: 160 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 12578	☒ 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): 22:39 Stop time (RC GUI): 23:40	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 444 k pretrig: $e-\pi n$ evts: 77	SHMS prescale 452 k pretrig: $\Sigma e-\pi n$ evts: 8915	COIN pretrig: 174 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 12579	☒ 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): 23:41 Stop time (RC GUI): 00:42	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 394 k pretrig: $e-\pi n$ evts: 83	SHMS prescale 390 k pretrig: $\Sigma e-\pi n$ evts: 8998	COIN pretrig: 155 k ☒ Data ok ☐ Junk
Comments:							

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

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

Date: 21/10/21
yy mm dd

Initials: DD

Continuation of Configuration:

$Q^2 = 6$, $W = 3.19$, $LeW E$
SIMS Cent (5.50)

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

Run Number: <u>12580</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / <u>100</u>	Start time (RC GUI): <u>00-43</u> Stop time (RC GUI): <u>01-42</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>432</u> k pretrig: <u>91</u> $e-\pi n$ evts:	SHMS prescale <u>440</u> k pretrig: <u>9089</u> $\Sigma e-\pi n$ evts:	COIN pretrig: <u>170</u> k ☒ Data ok ☐ Junk
Comments:							

Run Number: <u>12581</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / <u>100</u>	Start time (RC GUI): <u>01-43</u> Stop time (RC GUI): <u>02-47</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>446</u> k pretrig: <u>87</u> $e-\pi n$ evts:	SHMS prescale <u>454</u> k pretrig: <u>9176</u> $\Sigma e-\pi n$ evts:	COIN pretrig: <u>178</u> k ☒ Data ok ☐ Junk
Comments:							

Run Number: <u>12582</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / <u>100</u>	Start time (RC GUI): <u>02-48</u> Stop time (RC GUI): <u>03-45</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>424</u> k pretrig: <u>84</u> $e-\pi n$ evts:	SHMS prescale <u>433</u> k pretrig: <u>9260</u> $\Sigma e-\pi n$ evts:	COIN pretrig: <u>156</u> k ☒ Data ok ☐ Junk
Comments:							

Run Number: <u>12583</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / <u>100</u>	Start time (RC GUI): <u>03-48</u> Stop time (RC GUI): <u>03-50</u>	☒ Settings Verified? ☒ HV OK? ☐ 50k OK?	HMS prescale _____ k pretrig: _____ $e-\pi n$ evts:	SHMS prescale _____ k pretrig: _____ $\Sigma e-\pi n$ evts:	COIN pretrig: _____ k ☐ Data ok ☐ Junk
Comments: <u>FADC MOD 10</u>							

Run Number: <u>12584</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / <u>100</u>	Start time (RC GUI): <u>03-52</u> Stop time (RC GUI): <u>04-56</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>459</u> k pretrig: <u>115</u> $e-\pi n$ evts:	SHMS prescale <u>468</u> k pretrig: <u>9375</u> $\Sigma e-\pi n$ evts:	COIN pretrig: <u>183</u> k ☒ Data ok ☐ Junk
Comments:							

Run Number: <u>12585</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>4</u> PS5: <u>0</u> PS6: <u>-1</u> Mode10: cer / <u>100</u>	Start time (RC GUI): <u>04-57</u> Stop time (RC GUI): <u>05-54</u>	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale <u>344</u> k pretrig: <u>58</u> $e-\pi n$ evts:	SHMS prescale <u>349</u> k pretrig: <u>9433</u> $\Sigma e-\pi n$ evts:	COIN pretrig: <u>142</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 / 10 / 11
yy mm dd

Initials: DD

Continuation of Configuration:

$Q^2 = 6.0$, $W = 3.14$, low W_e
SHMS Cent (5.50)

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

Run Number: 12586	☒ 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): 05-55 Stop time (RC GUI): 06-56	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 380 k pretrig: $e-\pi n$ evts: 72	SHMS prescale 385 k pretrig: $\Sigma e-\pi n$ evts: 9505	COIN pretrig: 155 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 12587	☒ 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): 06-57 Stop time (RC GUI): 07-59	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 386 k pretrig: $e-\pi n$ evts: 73	SHMS prescale 391 k pretrig: $\Sigma e-\pi n$ evts: 9578	COIN pretrig: 157 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 12588	☒ 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): 08-00 Stop time (RC GUI): 9:03	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 427 k pretrig: $e-\pi n$ evts: 92	SHMS prescale 433 k pretrig: $\Sigma e-\pi n$ evts: 9670	COIN pretrig: 171 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 12589	☒ 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): 9:03 Stop time (RC GUI): 9:57	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 329 k pretrig: $e-\pi n$ evts: 65	SHMS prescale 334 k pretrig: $\Sigma e-\pi n$ evts: 9735	COIN pretrig: 136 k ☒ Data ok ☐ Junk
Comments:							

Run Number: 12590	☒ 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): 9:58 Stop time (RC GUI): 10:08	☒ Settings Verified? ☒ HV OK? ☒ 50k OK?	HMS prescale 74 k pretrig: $e-\pi n$ evts: 9	SHMS prescale 76 k pretrig: $\Sigma e-\pi n$ evts: 9744	COIN pretrig: 29 k ☒ Data ok ☐ Junk
Comments:							

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