

# $p(e,e'K)\Lambda$ Run Sheet

can be found at [lichen.phys.uregina.ca/~huberg/kaon/](http://lichen.phys.uregina.ca/~huberg/kaon/)

Date: 18/12/13  
yy mm dd

Initials: RM

Use a separate sheet for each configuration.

Configuration Name: \_\_\_\_\_

$Q^2=0.5$ ,  $W=2.49$ ,  $x=0.09$   
high  $e$ ,  $p(e,e'K)\Lambda$ , SHMS center

E<sub>beam</sub>: 4.918 GeV

I<sub>beam</sub>: 13  $\mu$ A

Purpose:

☒ Production

☐ Test

☐ Optics

☐ Other: \_\_\_\_\_

Raster: ☒ On ☐ Off

Size: 2.25 x 2.25

HMS

p: +/- 2.066  $\theta$ (TV): 12.712  
From GUI Nearest 0.005

SHMS

p: +/- 2.583  $\theta$ (TV): 8.86  
From GUI Nearest 0.005

Collimator:

HMS: Large ☒  
Sieve ☐

SHMS: Large ☒  
Sieve ☐

Beam position and angle on target:

3H07A	-3.32 mm	-2.20 y
3H07C	X	Y
Nomin:	-3.30	-2.20
	-1.28 mm	-2.14 mm
Nomin:	-1.3	-2

HMS

SHMS

Q1	I-SET (from PSU)	A	I-SET (from PSU)	A	HB
	269.20		854.60		
Q2	B-HALL	kG	B-HALL	kG	Q1
	0.265		-5.405		
Q3	I-SET (from PSU)	A	I-SET (from PSU)	A	Q2
	213.96		542.36		
	B-HALL	kG	B-HALL	kG	Q3
	-0.393		3.847		
D	I-SET (from PSU)	A	I-SET (from PSU)	A	D
	103.81		911.36		
	B-HALL	kG	B-HALL	kG	D
	0.207		-8.585		
D	I-READ	A	I-SET (from PSU)	A	D
	630.9		599.44		
	B-NMR	kG	B-HALL	kG	D
	0.5626 T		-5.879		
If momentum increased:			I-SET (from PSU)		D
<input type="checkbox"/> HMS cycled?			824.24	A	
<input type="checkbox"/> SHMS cycled?			5.909	kG	

Run Number:

6884

☒ LH2 10cm  
☐ LD2 10cm  
☐ MT thick 10cm  
☐ C 1.5% r.l.  
☐ C 0.5% r.l.

PS1: 0  
PS2: -1  
PS3: 0  
PS4: -1  
PS5: 0  
PS6: -1

Start time (from RC):

short run

Stop time (from RC):

02:29

☐ Settings Verified?

☐ HV OK?

☐ 50k OK?

HMS prescale  
pretrig: k

e-K $\Lambda$  evts:

188

SHMS prescale  
pretrig: k

$\Sigma$  e-K $\Lambda$  evts:

1

COIN pretrig: k

☐ Data ok

☒ Junk

Comments:

short run, ps1 & ps3 too low

Run Number:

6885

☒ LH2 10cm  
☐ LD2 10cm  
☐ MT thick 10cm  
☐ C 1.5% r.l.  
☐ C 0.5% r.l.

PS1: 12  
PS2: -1  
PS3: 10  
PS4: -1  
PS5: 0  
PS6: -1

Start time (from RC):

02:31

Stop time (from RC):

03:34

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale  
pretrig: 118 k

e-K $\Lambda$  evts:

319

SHMS prescale  
pretrig: 103 k

$\Sigma$  e-K $\Lambda$  evts:

319

COIN pretrig: 1.26 k

☒ Data ok

☐ Junk

Comments:

This run is ok, Run 6886 (next) is brief & junk - no beam (expect no beam ~1hr)

Run Number:

6887

☒ LH2 10cm  
☐ LD2 10cm  
☐ MT thick 10cm  
☐ C 1.5% r.l.  
☐ C 0.5% r.l.

PS1: 12  
PS2: -1  
PS3: 10  
PS4: -1  
PS5: 0  
PS6: -1

Start time (from RC):

5:04

Stop time (from RC):

6:05

☒ Settings Verified?

☐ HV OK?

☐ 50k OK?

HMS prescale  
pretrig: 0.12 k

e-K $\Lambda$  evts:

469

SHMS prescale  
pretrig: 0.10 k

$\Sigma$  e-K $\Lambda$  evts:

863

COIN pretrig: 1.27 k

☒ Data ok

☐ Junk

Comments:

13  $\mu$ A. beam returns

Run Number:

6888

☒ LH2 10cm  
☐ LD2 10cm  
☐ MT thick 10cm  
☐ C 1.5% r.l.  
☐ C 0.5% r.l.

PS1: 12  
PS2: -1  
PS3: 10  
PS4: -1  
PS5: 0  
PS6: -1

Start time (from RC):

6:06

Stop time (from RC):

7:16

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale  
pretrig: 0.12 k

e-K $\Lambda$  evts:

491

SHMS prescale  
pretrig: 0.11 k

$\Sigma$  e-K $\Lambda$  evts:

1354

COIN pretrig: 1.35 k

☒ Data ok

☐ Junk

Comments:

13  $\mu$ A. Missing ref time H.d.c of "1"

# $p(e,e'K)\Lambda$ Run Sheet

can be found at [lichen.phys.uregina.ca/~huberg/kaon/](http://lichen.phys.uregina.ca/~huberg/kaon/)

Date: 18/12/13  
yy mm dd

Initials: Rm

## Continuation of Configuration:

$Q^2 = 0.5$ ,  $W = 2.4$ ,  $X = .09$   
high  $E$ , SHMS center

HMS  $12.71^\circ$   
 $-2.066$  GeV

SHMS  $8.86^\circ$   
 $2.583$  GeV

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

Run Number: <u>6889</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>07:17</u> Stop time (from RC): <u>08:26</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>012</u> k e-K $\Lambda$ evts: <u>532</u>	SHMS prescale pretrig: <u>010</u> k $\Sigma$ e-K $\Lambda$ evts: <u>1886</u>	COIN pretrig: <u>1.3</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

13 nA. 5.56 M events. Missing ref. run for H.d.c.

Run Number: <u>6890</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>08:27</u> Stop time (from RC): <u>09:27</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>382</u> k e-K $\Lambda$ evts: <u>448</u>	SHMS prescale pretrig: <u>429</u> k $\Sigma$ e-K $\Lambda$ evts: <u>2334</u>	COIN pretrig: <u>6709</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

20 nA. 7.2 M events

Run Number: <u>6891</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>09:27</u> Stop time (from RC): <u>10:28</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>412</u> k e-K $\Lambda$ evts: <u>518</u>	SHMS prescale pretrig: <u>462</u> k $\Sigma$ e-K $\Lambda$ evts: <u>2852</u>	COIN pretrig: <u>7245</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

20 nA. 7.0 M events

Run Number: <u>6892</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>10:32</u> Stop time (from RC): <u>10:33</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>—</u> k e-K $\Lambda$ evts: <u>—</u>	SHMS prescale pretrig: <u>—</u> k $\Sigma$ e-K $\Lambda$ evts: <u>—</u>	COIN pretrig: <u>—</u> k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments:

26 nA JUNK (forgot to adjust prescales)

Run Number: <u>6893</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>10:36</u> Stop time (from RC): <u>10:45</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>535</u> k e-K $\Lambda$ evts: <u>89</u>	SHMS prescale pretrig: <u>594</u> k $\Sigma$ e-K $\Lambda$ evts: <u>2941</u>	COIN pretrig: <u>2385</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

26 nA Adjusted prescales. LT ~ 90% ~ short run

Run Number: <u>6894</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>10:46</u> Stop time (from RC): <u>11:45</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>247</u> k e-K $\Lambda$ evts: <u>542</u>	SHMS prescale pretrig: <u>276</u> k $\Sigma$ e-K $\Lambda$ evts: <u>3483</u>	COIN pretrig: <u>9027</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

21 nA 9.1 M events. 5 missing reference times for H.d.c.

# p(e,e'K) $\Lambda$ Run Sheet

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Date: 18/12/13  
yy mm dd

Initials: SFA

## Continuation of Configuration:

$Q^2=0.5, W=2.4, x=0.09$

high E, SHMS center

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

Run Number: <u>6895</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-2</u>	Start time (from RC): <u>11:46</u> Stop time (from RC): <u>12:46</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>295</u> k e-K $\Lambda$ evts: <u>586</u>	SHMS prescale pretrig: <u>329</u> k $\Sigma$ e-K $\Lambda$ evts: <u>4069</u>	COIN pretrig: <u>1084</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

21 mA 10.8 M events Re-ran  $\rightarrow$  620 k $\Lambda$   
6 missing ref times for H.d.c, 1 missing for T.com

Run Number: <u>6896</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): — Stop time (from RC): —	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS prescale pretrig: — k e-K $\Lambda$ evts: —	SHMS prescale pretrig: — k $\Sigma$ e-K $\Lambda$ evts: —	COIN pretrig: — k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments:

17 mA JUNK

Run Number: <u>6897</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>11</u> PS2: <u>-1</u> PS3: <u>9</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>12:48</u> Stop time (from RC): <u>13:48</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>966</u> k e-K $\Lambda$ evts: <u>682</u>	SHMS prescale pretrig: <u>1087</u> k $\Sigma$ e-K $\Lambda$ evts: <u>4751</u>	COIN pretrig: <u>7462</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

17 mA 9.46 M events 2 missing ref. times for H.d.c

Run Number: <u>6898</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>11</u> PS2: <u>-1</u> PS3: <u>9</u> PS4: <u>-1</u> PS5: <u>-9</u> PS6: <u>-1</u>	Start time (from RC): <u>13:48</u> Stop time (from RC): <u>14:47</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>972</u> k e-K $\Lambda$ evts: <u>653</u>	SHMS prescale pretrig: <u>1092</u> k $\Sigma$ e-K $\Lambda$ evts: <u>5404</u>	COIN pretrig: <u>7510</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

17 mA

Run Number: <u>6899</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>14:49</u> Stop time (from RC): <u>16:00</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>436</u> k e-K $\Lambda$ evts: <u>577</u>	SHMS prescale pretrig: <u>491</u> k $\Sigma$ e-K $\Lambda$ evts: <u>5981</u>	COIN pretrig: <u>5385</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

13 mA 6.3 M events

Run Number: <u>6900</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>16:00</u> Stop time (from RC): <u>16:59</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>344</u> k e-K $\Lambda$ evts: <u>473</u>	SHMS prescale pretrig: <u>389</u> k $\Sigma$ e-K $\Lambda$ evts: <u>6454</u>	COIN pretrig: <u>4259</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

13 mA

# $p(e,e'K)\Lambda$ Run Sheet

can be found at [lichen.phys.uregina.ca/~huberg/kaon/](http://lichen.phys.uregina.ca/~huberg/kaon/)

Date: 18/12/13  
yy mm dd

Initials: SK

## Continuation of Configuration:

$$Q^2 = 0.5, W = 2.4,$$

$$x_L = 0.09, \text{ high } E \text{ Center}$$

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

Run Number: <b>6901</b>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: 12 PS2: -1 PS3: 10 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 17:53 Stop time (from RC): 18:04	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 74 k SHMS prescale: 73 k COIN pretrig: 995 k	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Run ended early, HMS Dipole being odd

Run Number: <b>6902</b>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: 12 PS2: -1 PS3: 10 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 18:06 Stop time (from RC): 19:04	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 400 k SHMS prescale: 343 k COIN pretrig: 5345 k	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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HMS Dipole Settled

Run Number: <b>6903</b>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: 12 PS2: -1 PS3: 10 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 19:05 Stop time (from RC): 20:04	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 400 k SHMS prescale: 393 k COIN pretrig: 5341 k	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Run Number: <b>6904</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: 13 PS2: -1 PS3: 11 PS4: 0 PS5: 0 PS6: -1	Start time (from RC): 20:12 Stop time (from RC): 21:11	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 288 k SHMS prescale: 320 k COIN pretrig: 10613 k	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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21uA ~ 10.6 million events

Run Number: <b>6905</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: 13 PS2: -1 PS3: 11 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 21:12 Stop time (from RC): 22:09	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 325 k SHMS prescale: 293 k COIN pretrig: 10786 k	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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21uA ~ 10.8 million events

Run Number: <b>6906</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: 12 PS2: -1 PS3: 10 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 22:12 Stop time (from RC): 23:10	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 542 k SHMS prescale: 486 k COIN pretrig: 7477 k	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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17uA ~ 8.4 million events

# $p(e,e'K)\Lambda$ Run Sheet

can be found at [lichen.phys.uregina.ca/~huberg/kaon/](http://lichen.phys.uregina.ca/~huberg/kaon/)

Date: 18 / 10 / 13  
yy mm dd

Initials: JK

## Continuation of Configuration:

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

$Q^2 = 0.5$   $W = 2.4$   $PC = 0.09$   
high  $E$  center

Run Number: <u>6907</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>23:11</u> Stop time (from RC): <u>0:18</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>617</u> k pretrig: e-K $\Lambda$ evts: <u>671</u>	SHMS prescale <u>554</u> k pretrig: $\Sigma$ e-K $\Lambda$ evts: <u>9127</u>	COIN pretrig: <u>8529</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>17 <math>\mu</math>A</u>							

Run Number: <u>6908</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>0:21</u> Stop time (from RC): <u>0:28</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>466</u> k pretrig: e-K $\Lambda$ evts: <u>639</u>	SHMS prescale <u>415</u> k pretrig: $\Sigma$ e-K $\Lambda$ evts: <u>9766</u>	COIN pretrig: <u>5125</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>13 <math>\mu</math>A</u>							

Run Number: <u>6909</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>1:28</u> Stop time (from RC): <u>2:34</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>445</u> k pretrig: e-K $\Lambda$ evts: <u>539</u>	SHMS prescale <u>396</u> k pretrig: $\Sigma$ e-K $\Lambda$ evts: <u>10305</u>	COIN pretrig: <u>4894</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>13 <math>\mu</math>A</u>							

Run Number: <u>6910</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>2:38</u> Stop time (from RC): <u>3:39</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <del>445</del> <u>675</u> k pretrig: e-K $\Lambda$ evts: <u>615</u>	SHMS prescale <del>396</del> <u>610</u> k pretrig: $\Sigma$ e-K $\Lambda$ evts: <u>10920</u>	COIN pretrig: <del>4894</del> <u>11248</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>21 <math>\mu</math>A</u>							

Run Number: <u>6911</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>3:39</u> Stop time (from RC): <u>4:45</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>740</u> k pretrig: e-K $\Lambda$ evts: <u>718</u>	SHMS prescale <u>670</u> k pretrig: $\Sigma$ e-K $\Lambda$ evts: <u>11638</u>	COIN pretrig: <u>1235</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>21 <math>\mu</math>A</u>							

Run Number: <u>6912</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>4:47</u> Stop time (from RC): <u>6:26</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS prescale <u>672</u> k pretrig: e-K $\Lambda$ evts: <u>770</u>	SHMS prescale <u>748</u> k pretrig: $\Sigma$ e-K $\Lambda$ evts: <u>12408</u>	COIN pretrig: <u>10375</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>17 <math>\mu</math>A</u>							

# $p(e,e'K)\Lambda$ Run Sheet

can be found at [lichen.phys.uregina.ca/~huberg/kaon/](http://lichen.phys.uregina.ca/~huberg/kaon/)

Date: 18/12/14  
yy mm dd

Initials: RM

## Continuation of Configuration:

$Q^2 = 0.5, W = 2.4, X = .09$   
high, SHTMS center

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

Run Number: <b>6913</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>6:27</u> Stop time (from RC): <u>7:32</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>498</u> k pretrig: $e-K\Lambda$ evts: <u>601</u>	SHMS prescale <u>554</u> k pretrig: $\Sigma e-K\Lambda$ evts: <u>13009</u>	COIN pretrig: <u>2697</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

17  $\mu$ A

Run Number: <b>6914</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>7:34</u> Stop time (from RC): <u>8:30</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>262</u> k pretrig: $e-K\Lambda$ evts: <u>383</u>	SHMS prescale <u>294</u> k pretrig: $\Sigma e-K\Lambda$ evts: <u>13392</u>	COIN pretrig: <u>3084</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

13  $\mu$ A

Run Number: <b>6915</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>11:23</u> Stop time (from RC): <u>12:28</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>373</u> k pretrig: $e-K\Lambda$ evts: <u>457</u>	SHMS prescale <u>418</u> k pretrig: $\Sigma e-K\Lambda$ evts: <u>13849</u>	COIN pretrig: <u>4599</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

13  $\mu$ A

Run Number: <b>6916</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>12:28</u> Stop time (from RC): <u>13:25</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>347</u> k pretrig: $e-K\Lambda$ evts: <u>453</u>	SHMS prescale <u>389</u> k pretrig: $\Sigma e-K\Lambda$ evts: <u>14302</u>	COIN pretrig: <u>4280</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

13  $\mu$ A

Run Number: <b>6917</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>13:29</u> Stop time (from RC): <u>14:39</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>348</u> k pretrig: $e-K\Lambda$ evts: <u>769</u>	SHMS prescale <u>385</u> k pretrig: $\Sigma e-K\Lambda$ evts: <u>15071</u>	COIN pretrig: <u>12800</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

21  $\mu$ A

Run Number: <b>6918</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>14:34</u> Stop time (from RC): <u>15:36</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>269</u> k pretrig: $e-K\Lambda$ evts: <u>657</u>	SHMS prescale <u>299</u> k pretrig: $\Sigma e-K\Lambda$ evts: <u>15728</u>	COIN pretrig: <u>9919</u> k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

21  $\mu$ A

# $p(e,e'K)\Lambda$ Run Sheet

can be found at [lichen.phys.uregina.ca/~huberg/kaon/](http://lichen.phys.uregina.ca/~huberg/kaon/)

Date: 18 / 12 / 14  
yy mm dd

Initials: MC

## Continuation of Configuration:

$$Q^2 = 0.5, W = 2.4, x = .09$$

high E, SHMS center

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

Run Number: <u>6919</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>12</u> PS2: <u>7</u> PS3: <u>10</u> PS4: <u>4</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>15:39</u> Stop time (from RC): <u>16:37</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>461</u> k $e-K\Lambda$ evts: <u>579</u>	SHMS prescale pretrig: <u>512</u> k $\Sigma e-K\Lambda$ evts: <u>16307</u>	COIN pretrig: <u>7097</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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17 MA

Run Number: <u>6920</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>12</u> PS2: <u>7</u> PS3: <u>10</u> PS4: <u>4</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>16:37</u> Stop time (from RC): <u>17:36</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>484</u> k $e-K\Lambda$ evts: <u>651</u>	SHMS prescale pretrig: <u>538</u> k $\Sigma e-K\Lambda$ evts: <u>16958</u>	COIN pretrig: <u>7447</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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17 MA

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC):  Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>484</u> k $e-K\Lambda$ evts:	SHMS prescale pretrig: <u>538</u> k $\Sigma e-K\Lambda$ evts:	COIN pretrig: <u>7447</u> k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC):  Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS prescale pretrig: k $e-K\Lambda$ evts:	SHMS prescale pretrig: k $\Sigma e-K\Lambda$ evts:	COIN pretrig: k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC):  Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS prescale pretrig: k $e-K\Lambda$ evts:	SHMS prescale pretrig: k $\Sigma e-K\Lambda$ evts:	COIN pretrig: k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC):  Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS prescale pretrig: k $e-K\Lambda$ evts:	SHMS prescale pretrig: k $\Sigma e-K\Lambda$ evts:	COIN pretrig: k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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# p(e,e'K) $\Lambda$ Run Sheet

can be found at [lichen.phys.uregina.ca/~huberg/kaon/](http://lichen.phys.uregina.ca/~huberg/kaon/)

Date: 18/12/16  
yy mm dd

Initials: MM

Use a separate sheet for each configuration.

Configuration Name: \_\_\_\_\_

$Q^2 = 0.5$ ,  $W = 2.4$   
 $X = 0.09$ , SHMS Center

E<sub>beam</sub>: 4.917 GeV

I<sub>beam</sub>: 13, 17, 21  $\mu$ A

HMS

p: 40.20660  $\theta$ (TV): 12.71  
From GUI Nearest 0.005

SHMS

p: 41.2583  $\theta$ (TV): 8.86  
From GUI Nearest 0.005

Collimator:

HMS: Large ☒ Sieve ☐

SHMS: Large ☒ Sieve ☐

Purpose:

☒ Production

☐ Test

☐ Optics

☐ Other: \_\_\_\_\_

Raster: ☒ On ☐ Off

Size: 2.25 x 2.25

Beam position and angle on target:

3H07A	X	Y
	<u>-0.314</u> mm	<u>-0.200</u> mm
Nomin:		Nomin:
3H07C	X	Y
	<u>-1.292</u> mm	<u>-0.198</u> mm
Nomin:		Nomin:

HMS

SHMS

Q1	I-SET (from PSU) 269.20 A B-HALL 0.265 kG	I-SET (from PSU) 854.60 A B-HALL -5.405 kG	HB
	I-SET (from PSU) 213.83 A B-HALL 0.393 kG	I-SET (from PSU) 542.36 A B-HALL 3.846 kG	
Q2	I-SET (from PSU) 103.81 A B-HALL 0.206 kG	I-SET (from PSU) 911.40 A B-HALL -8.585 kG	Q2
	I-READ 631.56 A B-NMR 0.56566 kG	I-SET (from PSU) 599.36 A B-HALL -5.880 kG	
D	If momentum increased:		D
	<input type="checkbox"/> HMS cycled? <input type="checkbox"/> SHMS cycled?		
		I-SET (from PSU) 824.24 A B-NMR 5.903 kG	

Run Number:

6948

- ☒ LH2 10cm  
☐ LD2 10cm  
☐ MT thick 10cm  
☐ C 1.5% r.l.  
☐ C 0.5% r.l.  
☐ \_\_\_\_\_

PS1: 12  
PS2: -1  
PS3: 11  
PS4: -1  
PS5: 0  
PS6: -1

Start time (from RC):

00:17

Stop time (from RC):

1:36

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

HMS prescale  
pretrig: 550 k

SHMS prescale  
pretrig: 248 k

COIN pretrig: 6136 k

e-K $\Lambda$  evts:  
723

$\Sigma$  e-K $\Lambda$  evts:  
17681

- ☒ Data ok  
☐ Junk

Comments:

13  $\mu$ A, although it was recorded as 30  $\mu$ A (on Elog entry)

Run Number:

6949

- ☒ LH2 10cm  
☐ LD2 10cm  
☐ MT thick 10cm  
☐ C 1.5% r.l.  
☐ C 0.5% r.l.  
☐ \_\_\_\_\_

PS1: 12  
PS2: -1  
PS3: 11  
PS4: -1  
PS5: 0  
PS6: -1

Start time (from RC):

1:37

Stop time (from RC):

2:46

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

HMS prescale  
pretrig: 447 k

SHMS prescale  
pretrig: 215 k

COIN pretrig: 5336 k

e-K $\Lambda$  evts:  
584

$\Sigma$  e-K $\Lambda$  evts:  
18265

- ☒ Data ok  
☐ Junk

Comments:

13  $\mu$ A

Run Number:

6950

- ☒ LH2 10cm  
☐ LD2 10cm  
☐ MT thick 10cm  
☐ C 1.5% r.l.  
☐ C 0.5% r.l.  
☐ \_\_\_\_\_

PS1: 12  
PS2: -1  
PS3: 11  
PS4: -1  
PS5: 0  
PS6: -1

Start time (from RC):

2:46

Stop time (from RC):

3:18

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

HMS prescale  
pretrig: 207 k

SHMS prescale  
pretrig: 937 k

COIN pretrig: 2319 k

e-K $\Lambda$  evts:  
254

$\Sigma$  e-K $\Lambda$  evts:  
18514

- ☒ Data ok  
☐ Junk

Comments:

13  $\mu$ A

V. Short? Guess it's 3 hrs total at 13

Run Number:

6951

- ☒ LH2 10cm  
☐ LD2 10cm  
☐ MT thick 10cm  
☐ C 1.5% r.l.  
☐ C 0.5% r.l.  
☐ \_\_\_\_\_

PS1: 12  
PS2: -1  
PS3: 11  
PS4: -1  
PS5: 0  
PS6: -1

Start time (from RC):

3:20

Stop time (from RC):

4:20

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

HMS prescale  
pretrig: 547 k

SHMS prescale  
pretrig: 248 k

COIN pretrig: 7665 k

e-K $\Lambda$  evts:  
697

$\Sigma$  e-K $\Lambda$  evts:  
19216

- ☒ Data ok  
☐ Junk

Comments:

17  $\mu$ A

# $p(e,e'K)\Lambda$ Run Sheet

can be found at [lichen.phys.uregina.ca/~huberg/kaon/](http://lichen.phys.uregina.ca/~huberg/kaon/)

Date: 12 / 12 / 16  
yy mm dd

Initials: MM

## Continuation of Configuration:

$$Q^2 = 0.5 \quad W = 2.4$$

$x = 0.09$  SHMS Center

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

Run Number: <u>6952</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>4:20</u> Stop time (from RC): <u>5:20</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>552</u> k e-K $\Lambda$ evts: <u>641</u>	SHMS prescale pretrig: <u>251</u> k $\Sigma$ e-K $\Lambda$ evts: <u>19857</u>	COIN pretrig: <u>7726</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>17 MA</u>							

Run Number: <u>6953</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>5:21</u> Stop time (from RC): <u>6:27</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>261</u> k e-K $\Lambda$ evts: <u>706</u>	SHMS prescale pretrig: <u>576</u> k $\Sigma$ e-K $\Lambda$ evts: <u>20563</u>	COIN pretrig: <u>8050</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>17 MA</u>							

Run Number: <u>6954</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>6:28</u> Stop time (from RC): <u>7:41</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>383</u> k e-K $\Lambda$ evts: <u>876</u>	SHMS prescale pretrig: <u>837</u> k $\Sigma$ e-K $\Lambda$ evts: <u>21434</u>	COIN pretrig: <u>1419</u> k <input checked="" type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: <u>21 MA</u> This run was stopped midway because of some issues with HMS collimator / motion control MAY be OK							

Run Number: <u>6955</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>8:30</u> Stop time (from RC): <u>9:28</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>289</u> k e-K $\Lambda$ evts: <u>681</u>	SHMS prescale pretrig: <u>316</u> k $\Sigma$ e-K $\Lambda$ evts: <u>22120</u>	COIN pretrig: <u>10074</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>21 MA</u> HMS collimator still odd readback but rates look OK, PS1 adjusted (was too high)							

Run Number: <u>6956</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>9:29</u> Stop time (from RC): <u>10:28</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>296</u> k e-K $\Lambda$ evts: <u>722</u>	SHMS prescale pretrig: <u>323</u> k $\Sigma$ e-K $\Lambda$ evts: <u>22842</u>	COIN pretrig: <u>10902</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>21 MA</u> Collimator reads as "Home" still GUI broken							

Run Number: <u>6957</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>9:29</u> Stop time (from RC): <u>10:28</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>296</u> k e-K $\Lambda$ evts: <u>722</u>	SHMS prescale pretrig: <u>323</u> k $\Sigma$ e-K $\Lambda$ evts: <u>22842</u>	COIN pretrig: <u>10902</u> k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: <u>13 MA</u> JUNK Need new PS							

# $p(e,e'K)\Lambda$ Run Sheet

can be found at [lichen.phys.uregina.ca/~huberg/kaon/](http://lichen.phys.uregina.ca/~huberg/kaon/)

Date: 18/12/16  
yy mm dd

Initials: SK

## Continuation of Configuration:

$Q^2 = 0.5$   $W = 2.4$   
 $x = 0.09$  SHMS center

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

Run Number: <b>6958</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>10:31</u> Stop time (from RC): <u>11:30</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>361</u> k e-K $\Lambda$ evts: <u>515</u>	SHMS prescale pretrig: <u>400</u> k $\Sigma$ e-K $\Lambda$ evts: <u>23357</u>	COIN pretrig: <u>4467</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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**13 MA** HMS collimator GUI broken still

Run Number: <b>6959</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>11:30</u> Stop time (from RC): <u>12:30</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>330</u> k e-K $\Lambda$ evts: <u>425</u>	SHMS prescale pretrig: <u>365</u> k $\Sigma$ e-K $\Lambda$ evts: <u>23782</u>	COIN pretrig: <u>4078</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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**13 MA** HMS collimator GUI still broken

Run Number: <b>6960</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>12:30</u> Stop time (from RC): <u>13:30</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>357</u> k e-K $\Lambda$ evts: <u>548</u>	SHMS prescale pretrig: <u>395</u> k $\Sigma$ e-K $\Lambda$ evts: <u>24330</u>	COIN pretrig: <u>4406</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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**13 MA** HMS collimator GUI still broken

Run Number: <b>6961</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>13:31</u> Stop time (from RC): <u>14:31</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>445</u> k e-K $\Lambda$ evts: <u>633</u>	SHMS prescale pretrig: <u>544</u> k $\Sigma$ e-K $\Lambda$ evts: <u>24963</u>	COIN pretrig: <u>7625</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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**17 MA** HMS collimator GUI still broken

Run Number: <b>6962</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>14:34</u> Stop time (from RC): <u>15:31</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>425</u> k e-K $\Lambda$ evts: <u>637</u>	SHMS prescale pretrig: <u>504</u> k $\Sigma$ e-K $\Lambda$ evts: <u>25600</u>	COIN pretrig: <u>7074</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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**17 MA** HMS collimator GUI fixed!  
JK  $\rightarrow$  It's still broken

Run Number: <b>6963</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>123</u> PS2: <u>-1</u> PS3: <u>101</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>15:33</u> Stop time (from RC): <u>16:30</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>295</u> k e-K $\Lambda$ evts: <u>666</u>	SHMS prescale pretrig: <u>323</u> k $\Sigma$ e-K $\Lambda$ evts: <u>26266</u>	COIN pretrig: <u>10922</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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**21 MA**

# $p(e,e'K)\Lambda$ Run Sheet

can be found at [lichen.phys.uregina.ca/~huberg/kaon/](http://lichen.phys.uregina.ca/~huberg/kaon/)

Date: 18/12/16  
yy mm dd

Initials: VIL

## Continuation of Configuration:

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

$\theta = 0.5$   $\omega = 2.4$   
 $x = 0.09$  SHMS (center)

Run Number: <b>6964</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>9</u> PS6: <u>-1</u>	Start time (from RC): <u>16:32</u> Stop time (from RC): <u>17:33</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>307</u> k e-K $\Lambda$ evts: <u>713</u>	SHMS prescale pretrig: <u>336</u> k $\Sigma$ e-K $\Lambda$ evts: <u>26979</u>	COIN pretrig: <u>11367</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <b>21 <math>\mu</math>A</b>							

Run Number: <b>6965</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>9</u> PS6: <u>-1</u>	Start time (from RC): <u>17:34</u> Stop time (from RC): <u>18:36</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>318</u> k e-K $\Lambda$ evts: <u>776</u>	SHMS prescale pretrig: <u>347</u> k $\Sigma$ e-K $\Lambda$ evts: <u>27755</u>	COIN pretrig: <u>11745</u> k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <b>21 <math>\mu</math>A</b>							

Run Number: <b>6966</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>9</u> PS6: <u>-1</u>	Start time (from RC): <u>18:36</u> Stop time (from RC): <u>19:34</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>294</u> k e-K $\Lambda$ evts: <u>628</u>	SHMS prescale pretrig: <u>270</u> k $\Sigma$ e-K $\Lambda$ evts: <u>28383</u>	COIN pretrig: <u>9965</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <b>21 <math>\mu</math>A</b>							

Run Number: <b>6967</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>9</u> PS6: <u>-1</u>	Start time (from RC): <u>19:34</u> Stop time (from RC): <u>20:36</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>325</u> k e-K $\Lambda$ evts: <u>797</u>	SHMS prescale pretrig: <u>354</u> k $\Sigma$ e-K $\Lambda$ evts: <u>29180</u>	COIN pretrig: <u>12013</u> k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <b>21 <math>\mu</math>A</b>							

Run Number: <b>6968</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>9</u> PS6: <u>-1</u>	Start time (from RC): <u>20:37</u> Stop time (from RC): <u>21:31</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>301</u> k e-K $\Lambda$ evts: <u>717</u>	SHMS prescale pretrig: <u>276</u> k $\Sigma$ e-K $\Lambda$ evts: <u>29897</u>	COIN pretrig: <u>10211</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <b>21 <math>\mu</math>A</b>							

Run Number: <b>6969</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>9</u> PS6: <u>-1</u>	Start time (from RC): <u>21:32</u> Stop time (from RC): <u>22:30</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>324</u> k e-K $\Lambda$ evts: <u>751</u>	SHMS prescale pretrig: <u>297</u> k $\Sigma$ e-K $\Lambda$ evts: <u>30648</u>	COIN pretrig: <u>10978</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <b>21 <math>\mu</math>A</b>							

# p(e,e'K) $\Lambda$ Run Sheet

can be found at [lichen.phys.uregina.ca/~huberg/kaon/](http://lichen.phys.uregina.ca/~huberg/kaon/)

Date: 18 / 12 / 16  
yy mm dd

Initials: VK

## Continuation of Configuration:

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

$\theta^2 = 0.5$ ,  $\omega = 2.4$   
 $x = 0.09$  SHMS (centre)

Run Number: <b>6970</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: 13 PS2: -1 PS3: 11 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 22:30 Stop time (from RC): 23:35	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale 363 k pretrig: e-K $\Lambda$ evts: 806	SHMS prescale 333 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 31454	COIN pretrig: 12310 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

21  $\mu$ A

Run Number: <b>6971</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: 13 PS2: -1 PS3: 11 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 23:36 Stop time (from RC): 00:26	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale 285 k pretrig: e-K $\Lambda$ evts: 672	SHMS prescale 261 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 32126	COIN pretrig: 9664 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

21  $\mu$ A

Run Number: <b>6972</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: 13 PS2: -1 PS3: 11 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 00:33 Stop time (from RC): 1:33	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale 77 k pretrig: e-K $\Lambda$ evts: 322	SHMS prescale 122 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 32448	COIN pretrig: 2523 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

20  $\mu$ A

Run Number: <b>6973</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: 13 PS2: -1 PS3: 11 PS4: -1 PS5: 0 PS6: 1	Start time (from RC): 1:36 Stop time (from RC): 2:36	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale 184 k pretrig: e-K $\Lambda$ evts: 787	SHMS prescale 291 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 33245	COIN pretrig: 5995 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

20  $\mu$ A

Run Number: <b>6974</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: 13 PS2: -1 PS3: 11 PS4: -1 PS5: 0 PS6: 1	Start time (from RC): 2:37 Stop time (from RC): 3:47	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale 312 k pretrig: e-K $\Lambda$ evts: 954	SHMS prescale 500 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 34199	COIN pretrig: 14685 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

30  $\mu$ A

Run Number: <b>6975</b>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: 13 PS2: -1 PS3: 11 PS4: -1 PS5: 0 PS6: 1	Start time (from RC): 3:48 Stop time (from RC): 4:49	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale 273 k pretrig: e-K $\Lambda$ evts: 895	SHMS prescale 437 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 35094	COIN pretrig: 12838 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

30  $\mu$ A

# $p(e,e'K)\Lambda$ Run Sheet

can be found at [lichen.phys.uregina.ca/~huberg/kaon/](http://lichen.phys.uregina.ca/~huberg/kaon/)

Date: 18/12/17  
yy mm dd

Initials: MM

## Continuation of Configuration:

$Q^2 = 0.5$ ,  $W = 2.4$

$x = 0.09$  SHMS center

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

Run Number: <u>6976</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>4:49</u> Stop time (from RC): <u>5:49</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>379</u> k $e-K\Lambda$ evts: <u>799</u>	SHMS prescale pretrig: <u>237</u> k $\Sigma e-K\Lambda$ evts: <u>35893</u>	COIN pretrig: <u>11072</u> k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

Run Number: <u>6977</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>5:50</u> Stop time (from RC): <u>6:55</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>422</u> k $e-K\Lambda$ evts: <u>808</u>	SHMS prescale pretrig: <u>263</u> k $\Sigma e-K\Lambda$ evts: <u>36701</u>	COIN pretrig: <u>12387</u> k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

Run Number: <u>6978</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>13</u> PS2: <u>-1</u> PS3: <u>11</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>1</u>	Start time (from RC): <u>6:56</u> Stop time (from RC): <u>7:56</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>833</u> k $e-K\Lambda$ evts: <u>833</u>	SHMS prescale pretrig: <u>275</u> k $\Sigma e-K\Lambda$ evts: <u>37534</u>	COIN pretrig: <u>12387</u> k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>      </u> PS2: <u>      </u> PS3: <u>      </u> PS4: <u>      </u> PS5: <u>      </u> PS6: <u>      </u>	Start time (from RC): <u>      </u> Stop time (from RC): <u>      </u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>      </u> k $e-K\Lambda$ evts: <u>      </u>	SHMS prescale pretrig: <u>      </u> k $\Sigma e-K\Lambda$ evts: <u>      </u>	COIN pretrig: <u>      </u> k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>      </u> PS2: <u>      </u> PS3: <u>      </u> PS4: <u>      </u> PS5: <u>      </u> PS6: <u>      </u>	Start time (from RC): <u>      </u> Stop time (from RC): <u>      </u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>      </u> k $e-K\Lambda$ evts: <u>      </u>	SHMS prescale pretrig: <u>      </u> k $\Sigma e-K\Lambda$ evts: <u>      </u>	COIN pretrig: <u>      </u> k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>      </u> PS2: <u>      </u> PS3: <u>      </u> PS4: <u>      </u> PS5: <u>      </u> PS6: <u>      </u>	Start time (from RC): <u>      </u> Stop time (from RC): <u>      </u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>      </u> k $e-K\Lambda$ evts: <u>      </u>	SHMS prescale pretrig: <u>      </u> k $\Sigma e-K\Lambda$ evts: <u>      </u>	COIN pretrig: <u>      </u> k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							