

# 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: 18/12/03  
yy mm dd

Initials: AK

Use a separate sheet for each configuration.

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

$Q^2 = 0.5$   $W = 2.4$   
"Right" Left

E<sub>beam</sub>: 3.821 GeV

I<sub>beam</sub>: 24  $\mu$ A

Purpose:

☒ Production

☐ Test

☐ Optics

☐ Other: \_\_\_\_\_

Raster: ☒ On ☐ Off

Size: 2.25 x 2.25

Beam position and angle on target:

3H07A	X	Y
	<u>-0.36</u> mm	<u>-0.22</u> mm
Nomin:		
3H07C	X	Y
	<u>-0.13</u> mm	<u>0.38</u> mm
Nomin:		

HMS

SHMS

Q1	I-SET (from PSU) <u>+126.0112</u> <del>+125.46</del> B-HALL <u>0.123</u> kG	A	I-SET (from PSU) <u>+854.8100</u> B-HALL <u>-5.409</u> kG	A	HB
Q2	I-SET (from PSU) <u>-100.074</u> B-HALL <u>-0.162</u> kG	A	I-SET (from PSU) <u>-542.352</u> B-HALL <u>+3.845</u> kG	A	Q1
Q3	I-SET (from PSU) <u>+49.0786</u> B-HALL <u>0.096</u> kG	A	I-SET (from PSU) <u>+910.977</u> B-HALL <u>-8.587</u> kG	A	Q2
D	I-READ <u>-294.44</u> B-NMR <u>0.26503 T</u>	A	I-SET (from PSU) <u>-599.414</u> B-HALL <u>-5.886</u> kG	A	Q3
	If momentum increased:		I-SET (from PSU)		D
	<input type="checkbox"/> HMS cycled?		<u>+824.133</u> A		
	<input type="checkbox"/> SHMS cycled?		<u>+5.909</u> kG		

HMS

p: +/- -0.968  $\theta$ (TV): 21.14  
From GUI Nearest 0.005

SHMS

p: +/- +2.583  $\theta$ (TV): 9.79  
From GUI Nearest 0.005

Collimator:

HMS: Large ☒ Sieve ☐

SHMS: ~~Large~~ ☒ Sieve ☐

Run Number:

6709

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

PS1: 13  
PS2: -1  
PS3: 9  
PS4: -1  
PS5: 0  
PS6: -1

Start time (from RC):

15:39

Stop time (from RC):

16:42

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale  
pretrig: 229 k

e-K $\Lambda$  evts:

88

SHMS prescale  
pretrig: 121 k

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

88

COIN  
pretrig: 1066 k

☒ Data ok

☐ Junk

Comments:

First Run after 6.5 hours off for beam studies (24  $\mu$ A)

Run Number:

6710

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

PS1: 12  
PS2: -1  
PS3: 9  
PS4: -1  
PS5: 0  
PS6: -1

Start time (from RC):

16:43

Stop time (from RC):

17:45

☐ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale  
pretrig: 267 k

e-K $\Lambda$  evts:

94

SHMS prescale  
pretrig: 285 k

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

182

COIN  
pretrig: 1237 k

☒ Data ok

☐ Junk

Comments:

24  $\mu$ A current

Run Number:

6711

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

PS1: 12  
PS2: -1  
PS3: 9  
PS4: -1  
PS5: 0  
PS6: -1

Start time (from RC):

17:46

Stop time (from RC):

19:53

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale  
pretrig: 485 k

e-K $\Lambda$  evts:

223

SHMS prescale  
pretrig: 517 k

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

405

COIN  
pretrig: 2251 k

☒ Data ok

☐ Junk

Comments:

24  $\mu$ A current.

Run Number:

6712

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

PS1: 12  
PS2: -1  
PS3: 9  
PS4: -1  
PS5: 0  
PS6: -1

Start time (from RC):

19:55

Stop time (from RC):

20:49

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale  
pretrig: 365 k

e-K $\Lambda$  evts:

157

SHMS prescale  
pretrig: 387 k

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

562

COIN  
pretrig: 2351 k

☒ Data ok

☐ Junk

Comments:

35  $\mu$ A current.



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

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Date: 18/12/03  
yy mm dd

Initials: HV

## Continuation of Configuration:

$\Omega^2 = 0.5$ ,  $\omega = 2.4$   
(Right) Left

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

Run Number: <b>6713</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: 9 PS4: -7 PS5: 0 PS6: -1	Start time (from RC): 20:56 Stop time (from RC): 21:56	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 385 k e-K $\Lambda$ evts: 152	SHMS prescale pretrig: 407 k $\Sigma$ e-K $\Lambda$ evts: 714	COIN pretrig: 2470 <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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35  $\mu$ A current.

Run Number: <b>6714</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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 21:57 Stop time (from RC): 22:46	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 354 k e-K $\Lambda$ evts: 134	SHMS prescale pretrig: 380 k $\Sigma$ e-K $\Lambda$ evts: 848	COIN pretrig: 2312 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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35  $\mu$ A current.

Run Number: <b>6715</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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 22:47 Stop time (from RC): 23:52	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 482 k e-K $\Lambda$ evts: 227	SHMS prescale pretrig: 509 k $\Sigma$ e-K $\Lambda$ evts: 1075	COIN pretrig: 3103 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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35  $\mu$ A current.

Run Number: <b>6716</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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 23:53 Stop time (from RC): 00:51	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 412 k e-K $\Lambda$ evts: 144	SHMS prescale pretrig: 435 k $\Sigma$ e-K $\Lambda$ evts: 1219	COIN pretrig: 2650 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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35  $\mu$ A

Run Number: <b>6717</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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 00:53 Stop time (from RC): 1:24	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 119 k e-K $\Lambda$ evts: 50	SHMS prescale pretrig: 125 k $\Sigma$ e-K $\Lambda$ evts: 1269	COIN pretrig: 996 k <input checked="" type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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50  $\mu$ A Stopped, MCC problem JUNK  
unstable beam

Run Number: <b>6718</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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 2:08 Stop time (from RC): 3:06	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 592 k e-K $\Lambda$ evts: 209	SHMS prescale pretrig: 620 k $\Sigma$ e-K $\Lambda$ evts: 1428	COIN pretrig: 5294 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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50  $\mu$ 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: 18/12/09  
yy mm dd

Initials: H.V

## Continuation of Configuration:

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

(Right) Left

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

Run Number: 6719	<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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 3:06  Stop time (from RC): 4:00	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale 543 k SHMS prescale 569 k COIN pretrig: 4842 k	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

50  $\mu$ A

Run Number: 6720	<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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 4:04  Stop time (from RC): 5:01	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale 540 k SHMS prescale 565 k COIN pretrig: 4806 k	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

50  $\mu$ A

Run Number: 6721	<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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 5:02  Stop time (from RC): 5:45	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale 403 k SHMS prescale 421 k COIN pretrig: 3590 k	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

50  $\mu$ A

Run Number: 6722	<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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 6:23  Stop time (from RC): 6:39	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale k SHMS prescale k COIN pretrig: k	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments:

40  $\mu$ A

Junk No beam long time

Run Number: 6723	<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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 06:49  Stop time (from RC): 07:02	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale 85 k SHMS prescale 89 k COIN pretrig: 604 k	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

40  $\mu$ A

Short Run (MCC problem) JUNK

Run Number: 6724	<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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 08:18  Stop time (from RC): 08:48	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale 32 k SHMS prescale 33 k COIN pretrig: 245 k	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

40  $\mu$ A



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

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

Date: 18/12/04  
yy mm dd

Initials: NA

## Continuation of Configuration:

$\theta_z = 0.50$ ,  $W = 2.40$

$\theta_{SHMS} = 9.79^\circ$  (left)

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

Run Number: <b>6725</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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 10:43 Stop time (from RC): 11:49	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 519 k SHMS prescale: 545 k e-K $\Lambda$ evts: 169 $\Sigma$ e-K $\Lambda$ evts: 2119	COIN pretrig: 3772 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

40  $\mu$ A

Run Number: <b>6726</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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 11:50 Stop time (from RC): 12:30	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 298 k SHMS prescale: 313 k e-K $\Lambda$ evts: 106 $\Sigma$ e-K $\Lambda$ evts: 2225	COIN pretrig: 2153 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

40  $\mu$ A Ended as Hall-B requests ~~the~~ removal of half-wave plate.

Run Number: <b>6727</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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 12:31 Stop time (from RC): 13:03	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 197 k SHMS prescale: 206 k e-K $\Lambda$ evts: 95 $\Sigma$ e-K $\Lambda$ evts: 2320	COIN pretrig: 1433 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

40  $\mu$ A, Hw Plate is out. Noted that HMS DC Ref. Times are near edge of histogram. Stop to R-shot CODA

Run Number: <b>6728</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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 13:05 Stop time (from RC): 14:09	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 502 k SHMS prescale: 525 k e-K $\Lambda$ evts: 179 $\Sigma$ e-K $\Lambda$ evts: 2499	COIN pretrig: 3645 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

40  $\mu$ A. After re-defining DC Ref Time cuts in crl file. Irrelevant

Run Number: <b>6729</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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 14:10 Stop time (from RC): 15:11	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 495 k SHMS prescale: 518 k e-K $\Lambda$ evts: 185 $\Sigma$ e-K $\Lambda$ evts: 2684	COIN pretrig: 3594 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

40  $\mu$ A. Stop run after Vmeds ~~became~~ became "unknown"

Run Number: <b>6730</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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 15:12 Stop time (from RC): 16:21	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 584 k SHMS prescale: 611 k e-K $\Lambda$ evts: 212 $\Sigma$ e-K $\Lambda$ evts: 2896	COIN pretrig: 4246 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

40  $\mu$ A - Ended run due to ARC energy measurements.



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

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

Date: 18 / 42 / 4  
yy mm dd

Initials: BD

Use a separate sheet for each configuration.

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

HMS Carbon Sieve  
Run

Purpose:

- ☐ Production  
☐ Test  
☒ Optics  
☐ Other: \_\_\_\_\_

E<sub>beam</sub>: 3.821 GeV

I<sub>beam</sub>: 7  $\mu$ A

Raster: ☐ On ☒ Off  
Size: \_\_\_\_\_

HMS

p: +/- -0.9680  $\theta$ (TV): 13.00  
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>-0.323</u>	mm	<u>-0.219</u> mm
Nomin:	<u>-0.3</u>	Nomin: <u>-0.2</u>
3H07C	X	Y
<u>-1306</u>	mm	<u>-0.22</u> mm
Nomin:	<u>-1.3</u>	Nomin: <u>-0.2</u>

SHMS

p: +/- +2.5830  $\theta$ (TV): 9.79  
From GUI Nearest 0.005

Collimator:

HMS: Large ☐  
Sieve ☒

SHMS: Large ☒  
Sieve ☐

Run Number:

6731

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

PS1: 5  
PS2: -1  
PS3: 0  
PS4: -1  
PS5: -1  
PS6: -1

Start time (from RC):

18:31

Stop time (from RC):

18:47

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale  
pretrig: k

e-K $\Lambda$  evts:

SHMS prescale  
pretrig: k

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

COIN  
pretrig: k

☒ Data ok

☐ Junk

Comments:

Run Number:

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

PS1: \_\_\_\_\_  
PS2: \_\_\_\_\_  
PS3: \_\_\_\_\_  
PS4: \_\_\_\_\_  
PS5: \_\_\_\_\_  
PS6: \_\_\_\_\_

Start time (from RC):

Stop time (from RC):

☐ Settings Verified?

☐ HV OK?

☐ 50k OK?

HMS prescale  
pretrig: k

e-K $\Lambda$  evts:

SHMS prescale  
pretrig: k

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

COIN  
pretrig: k

☐ Data ok

☐ Junk

Comments:

Run Number:

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

PS1: \_\_\_\_\_  
PS2: \_\_\_\_\_  
PS3: \_\_\_\_\_  
PS4: \_\_\_\_\_  
PS5: \_\_\_\_\_  
PS6: \_\_\_\_\_

Start time (from RC):

Stop time (from RC):

☐ Settings Verified?

☐ HV OK?

☐ 50k OK?

HMS prescale  
pretrig: k

e-K $\Lambda$  evts:

SHMS prescale  
pretrig: k

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

COIN  
pretrig: k

☐ Data ok

☐ Junk

Comments:

Run Number:

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

PS1: \_\_\_\_\_  
PS2: \_\_\_\_\_  
PS3: \_\_\_\_\_  
PS4: \_\_\_\_\_  
PS5: \_\_\_\_\_  
PS6: \_\_\_\_\_

Start time (from RC):

Stop time (from RC):

☐ Settings Verified?

☐ HV OK?

☐ 50k OK?

HMS prescale  
pretrig: k

e-K $\Lambda$  evts:

SHMS prescale  
pretrig: k

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

COIN  
pretrig: k

☐ Data ok

☐ Junk

Comments:

HMS

SHMS

Q1	I-SET (from PSU) <u>126.05</u> A B-HALL <u>0.123</u> kG	I-SET (from PSU) <u>854.55</u> A B-HALL <u>-5.408</u> kG	HB
Q2	I-SET (from PSU) <u>100.05</u> A B-HALL <u>-0.163</u> kG	I-SET (from PSU) <u>542.40</u> A B-HALL <u>3.845</u> kG	Q1
Q3	I-SET (from PSU) <u>48.58</u> A B-HALL <u>0.095</u> kG	I-SET (from PSU) <u>911.36</u> A B-HALL <u>-8.588</u> kG	Q2
D	I-READ <u>294.44</u> A B-NMR <u>0.2650334</u> kG	I-SET (from PSU) <u>599.36</u> A B-HALL <u>-5.883</u> kG	Q3
	If momentum increased: <input type="checkbox"/> HMS cycled? <input type="checkbox"/> SHMS cycled?	I-SET (from PSU) <u>824.24</u> A B-NMR <u>5.909</u> kG	D



# 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: 18/12/4  
yy mm dd

Initials: BD

Use a separate sheet for each configuration.

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

Purpose:

☒ Production

☐ Test

☐ Optics

☐ Other: \_\_\_\_\_

E<sub>beam</sub>: 3.821 GeV

I<sub>beam</sub>: 40  $\mu$ A

Raster: ☒ On ☐ Off

Size: 2.25, 2.25

Beam position and angle on target:

3H07A	X	Y
-0.292	mm	-0.206
Nomin: -0.3		Nomin: -0.2
3H07C	X	Y
-1.334	mm	-0.227
Nomin: -1.3		Nomin: -0.2

HMS

SHMS

Q1	I-SET (from PSU) 126.05 A B-HALL 0.122 kG	I-SET (from PSU) 854.60 A B-HALL -5.406 kG	HB
Q2	I-SET (from PSU) 100.13 A B-HALL -0.161 kG	I-SET (from PSU) 542.44 A B-HALL 3.845 kG	Q1
Q3	I-SET (from PSU) 48.59 A B-HALL 0.094 kG	I-SET (from PSU) 911.40 A B-HALL -8.587 kG	Q2
D	I-READ 295.11 A B-NMR 0.2650302 kG	I-SET (from PSU) 599.36 A B-HALL -5.881 kG	Q3
	If momentum increased: <input type="checkbox"/> HMS cycled? <input type="checkbox"/> SHMS cycled?	I-SET (from PSU) 824.24 A B-NMR 5.909 kG	D

Run Number:

6732

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

PS1: 10  
PS2: -1  
PS3: 8  
PS4: -1  
PS5: 9  
PS6: -7

Start time (from RC):

19:02:28

Stop time (from RC):

20:02:35

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale  
pretrig: 326 k

e-K $\Lambda$  evts: —

SHMS prescale  
pretrig: 569 k

$\Sigma$  e-K $\Lambda$  evts: —

COIN pretrig: 480 k

☒ Data ok

☐ Junk

Comments:

Run Number:

6733

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

PS1: 10  
PS2: -1  
PS3: 8  
PS4: -1  
PS5: 9  
PS6: -7

Start time (from RC):

20:03:13

Stop time (from RC):

21:03:20

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale  
pretrig: 349 k

e-K $\Lambda$  evts: —

SHMS prescale  
pretrig: 610 k

$\Sigma$  e-K $\Lambda$  evts: —

COIN pretrig: 514 k

☒ Data ok

☐ Junk

Comments:

Run Number:

6734

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

PS1: 10  
PS2: -1  
PS3: 8  
PS4: -1  
PS5: 9  
PS6: -7

Start time (from RC):

21:03:56

Stop time (from RC):

22:03

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale  
pretrig: 253 k

e-K $\Lambda$  evts: —

SHMS prescale  
pretrig: 443 k

$\Sigma$  e-K $\Lambda$  evts: —

COIN pretrig: 372 k

☒ Data ok

☐ Junk

Comments:

Run Number:

6735

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

PS1: 13  
PS2: -1  
PS3: 10  
PS4: -1  
PS5: 9  
PS6: -7

Start time (from RC):

22:32

Stop time (from RC):

22:51

☒ Settings Verified?

☒ HV OK?

☒ 50k OK?

HMS prescale  
pretrig: / k

e-K $\Lambda$  evts: /

SHMS prescale  
pretrig: / k

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

COIN pretrig: / k

☐ Data ok

☒ Junk

Comments:

NO BEAM FOR ~15 MIN.



# 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 / 04  
yy mm dd

Initials: BD  
H.V

## Continuation of Configuration:

$$Q^2 = 0.5, W = 2.40$$

$\alpha = 0.09$ , low epsib, SHMS LEFT

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

Run Number: <b>6736</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: 10 PS4: -1 PS5: 9 PS6: -1	Start time (from RC): 23:03:11 Stop time (from RC): 00:02	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 242 k pretrig: e-K $\Lambda$ evts: 155	SHMS prescale: 252 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 30 51	COIN pretrig: 4282 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

50  $\mu$ A

Run Number: <b>6737</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: 10 PS4: -1 PS5: 9 PS6: -1	Start time (from RC): 00:03 Stop time (from RC): 00:39	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 108 k pretrig: e-K $\Lambda$ evts: 100	SHMS prescale: 113 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 3151	COIN pretrig: 1915 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

50  $\mu$ A

Early Short Run (12m no beam)

Run Number: <b>6738</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: 10 PS4: -1 PS5: 9 PS6: -1	Start time (from RC): 00:40 Stop time (from RC): 01:35	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 250 k pretrig: e-K $\Lambda$ evts: 173	SHMS prescale: 260 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 3324	COIN pretrig: 4415 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

50  $\mu$ A

Run Number: <b>6739</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: 10 PS4: -1 PS5: 9 PS6: -1	Start time (from RC): 01:36 Stop time (from RC): 02:30	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 276 k pretrig: e-K $\Lambda$ evts: 223	SHMS prescale: 288 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 3547	COIN pretrig: 4925 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

50  $\mu$ A

Run Number: <b>6740</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: 10 PS4: -1 PS5: 9 PS6: -1	Start time (from RC): 02:31 Stop time (from RC): 03:30	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 294 k pretrig: e-K $\Lambda$ evts: 200	SHMS prescale: 306 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 3747	COIN pretrig: 5225 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

50  $\mu$ A

Run Number: <b>6741</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: 10 PS4: -1 PS5: 9 PS6: -1	Start time (from RC): 03:31 Stop time (from RC): 04:30	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 318 k pretrig: e-K $\Lambda$ evts: 204	SHMS prescale: 331 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 3951	COIN pretrig: 5663 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

50  $\mu$ 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: 18/12/05  
yy mm dd

Initials: HV

## Continuation of Configuration:

$$Q^2 = 0.5, W = 2.40$$

$x = 0.09$ , low epsilon SHMS(LEFT)

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

Run Number: <b>6742</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: 10 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 04:31 Stop time (from RC): 05:30	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 322 k pretrig: e-K $\Lambda$ evts: 228	SHMS prescale: 335 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 4179	COIN pretrig: 5730 <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

50  $\mu$ A

Run Number: <b>6743</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: 10 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 05:31 Stop time (from RC): 06:28	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 296 k pretrig: e-K $\Lambda$ evts: 208	SHMS prescale: 307 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 4387	COIN pretrig: 5272 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

50  $\mu$ A

Run Number: <b>6744</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: 12 PS2: -1 PS3: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 06:30 Stop time (from RC): 07:30	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 309 k pretrig: e-K $\Lambda$ evts: 104	SHMS prescale: 325 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 4491	COIN pretrig: 1428 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

24  $\mu$ A

Run Number: <b>6745</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: 12 PS2: -1 PS3: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 07:30 Stop time (from RC): 08:30	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 283 k pretrig: e-K $\Lambda$ evts: 133	SHMS prescale: 297 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 4624	COIN pretrig: 1304 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

24  $\mu$ A

Run Number: <b>6746</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: 12 PS2: -1 PS3: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 08:30 Stop time (from RC): 09:30	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 294 k pretrig: e-K $\Lambda$ evts: 136	SHMS prescale: 308 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 4760	COIN pretrig: 1353 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

24  $\mu$ A

Run Number: <b>6747</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: 12 PS2: -1 PS3: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 09:30 Stop time (from RC): 10:30	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 295 k pretrig: e-K $\Lambda$ evts: 130	SHMS prescale: 310 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 4890	COIN pretrig: 1364 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

24  $\mu$ 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: 18/12/05  
yy mm dd

Initials: ACF

## Continuation of Configuration:

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

$\epsilon = 0.09$ , low epsilon

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

Run Number: <u>6748</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>9</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>10:30</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 <u>302</u> k pretrig: e-K $\Lambda$ evts: <u>122</u>	SHMS prescale <u>317</u> k pretrig: $\Sigma$ e-K $\Lambda$ evts: <u>5012</u>	COIN pretrig: <u>1396</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>24 <math>\mu</math>A</u>							

Run Number: <u>6749</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>9</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 <u>309</u> k pretrig: e-K $\Lambda$ evts: <u>153</u>	SHMS prescale <u>325</u> k pretrig: $\Sigma$ e-K $\Lambda$ evts: <u>5165</u>	COIN pretrig: <u>1426</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>24 <math>\mu</math>A</u>							

Run Number: <u>6750</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>9</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 checked="" type="checkbox"/> 50k OK?	HMS prescale <u>303</u> k pretrig: e-K $\Lambda$ evts: <u>129</u>	SHMS prescale <u>318</u> k pretrig: $\Sigma$ e-K $\Lambda$ evts: <u>5294</u>	COIN pretrig: <u>1398</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>24 <math>\mu</math>A</u>							

Run Number: <u>6751</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>9</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>13:30</u> Stop time (from RC): <u>14:30</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>300</u> k pretrig: e-K $\Lambda$ evts: <u>128</u>	SHMS prescale <u>314</u> k pretrig: $\Sigma$ e-K $\Lambda$ evts: <u>5422</u>	COIN pretrig: <u>1381</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>24 <math>\mu</math>A</u>							

Run Number: <u>6752</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>9</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>14:30</u> Stop time (from RC): <u>15:30</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>192</u> k pretrig: e-K $\Lambda$ evts: <u>91</u>	SHMS prescale <u>202</u> k pretrig: $\Sigma$ e-K $\Lambda$ evts: <u>5513</u>	COIN pretrig: <u>885</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>24 <math>\mu</math>A. Run-end threw error. Restarted after run.</u>							

Run Number: <u>6753</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>9</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>15:32</u> Stop time (from RC): <u>15:25</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>176</u> k pretrig: e-K $\Lambda$ evts: <u>78</u>	SHMS prescale <u>184</u> k pretrig: $\Sigma$ e-K $\Lambda$ evts: <u>5591</u>	COIN pretrig: <u>805</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>24 <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 / 2005  
yy mm dd

Initials: EA

## Continuation of Configuration:

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

$$x = 0.09, \text{low } E$$

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

Run Number: <b>6754</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: 12 PS2: -1 PS3: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 16:26 Stop time (from RC): 17:32	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 284 k e-K $\Lambda$ evts: 150	SHMS prescale pretrig: 290 k $\Sigma$ e-K $\Lambda$ evts: 5741	COIN pretrig: 1308 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

24  $\mu$ A

Run Number: <b>6755</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: 12 PS2: -1 PS3: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 17:33 Stop time (from RC): 18:40	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 265 k e-K $\Lambda$ evts: 120	SHMS prescale pretrig: 278 k $\Sigma$ e-K $\Lambda$ evts: 5861	COIN pretrig: 123 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

24  $\mu$ A

Run Number: <b>6756</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: 10 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 18:43 Stop time (from RC): 19:45	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 342 k e-K $\Lambda$ evts: 271	SHMS prescale pretrig: 355 k $\Sigma$ e-K $\Lambda$ evts: 6132	COIN pretrig: 6108 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

50  $\mu$ A

Run Number: <b>6757</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: 10 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 19:46 Stop time (from RC): 20:40	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 232 k e-K $\Lambda$ evts: 245	SHMS prescale pretrig: 303 k $\Sigma$ e-K $\Lambda$ evts: 6377	COIN pretrig: 527 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

50  $\mu$ A

Run Number: <b>6758</b>	<input checked="" 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. <input type="checkbox"/>	PS1: 11 PS2: -1 PS3: 8 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 20:54 Stop time (from RC): 21:56	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 284 k e-K $\Lambda$ evts:	SHMS prescale pretrig: 247 k $\Sigma$ e-K $\Lambda$ evts:	COIN pretrig: 417 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

480  $\mu$ A

Run Number: <b>6759</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. <input type="checkbox"/>	PS1: 11 PS2: -1 PS3: 8 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 21:57 Stop time (from RC): 22:59	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 292 k e-K $\Lambda$ evts:	SHMS prescale pretrig: 253 k $\Sigma$ e-K $\Lambda$ evts:	COIN pretrig: 128 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

40  $\mu$ 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: 18/12/05  
yy mm dd

Initials: FA

## Continuation of Configuration:

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

$$x = 0.05, \text{low } E$$

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

6377

Run Number: 6760	<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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 23:13 Stop time (from RC): 00:03	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 241 k pretrig: e-K $\Lambda$ evts: 96	SHMS prescale: 252 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 6473	COIN pretrig: 1149 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

25  $\mu$ A

Run Number: 6761	<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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 00:04 Stop time (from RC): 01:04	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 302 k pretrig: e-K $\Lambda$ evts: 118	SHMS prescale: 322 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 6591	COIN pretrig: 1463 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

25  $\mu$ A

Run Number: 6762	<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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 01:04 Stop time (from RC): 02:04	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 313 k pretrig: e-K $\Lambda$ evts: 136	SHMS prescale: 328 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 6727	COIN pretrig: 1498 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

25  $\mu$ A

Run Number: 6763	<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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 02:04 Stop time (from RC): 03:04	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 327 k pretrig: e-K $\Lambda$ evts: 156	SHMS prescale: 343 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 6883	COIN pretrig: 1563 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

25  $\mu$ A

Run Number: 6764	<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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 03:08 Stop time (from RC): 04:08	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 318 k pretrig: e-K $\Lambda$ evts: 140	SHMS prescale: 333 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 7023	COIN pretrig: 1519 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

25  $\mu$ A

Run Number: 6765	<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: 9 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 4:09 Stop time (from RC): 5:07	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 303 k pretrig: e-K $\Lambda$ evts: 125	SHMS prescale: 317 k pretrig: $\Sigma$ e-K $\Lambda$ evts: 7148	COIN pretrig: 1446 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

25  $\mu$ 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 / 06  
yy mm dd

Initials: H.V

## Continuation of Configuration:

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

low epsilon, SHMS test

E12-09011

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

Run Number: <b>6766</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>9</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>05:19</u> Stop time (from RC): <u>06:19</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>319</u> k pretrig: e-K $\Lambda$ evts: <u>103</u>	SHMS prescale <u>334</u> k pretrig: $\Sigma$ e-K $\Lambda$ evts: <u>7251</u>	COIN pretrig: <u>1523</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

~~6767~~ 25  $\mu$ A

Run Number: <b>6767</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>9</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>06:19</u> Stop time (from RC): <u>07:19</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>317</u> k pretrig: e-K $\Lambda$ evts: <u>132</u>	SHMS prescale <u>332</u> k pretrig: $\Sigma$ e-K $\Lambda$ evts: <u>7383</u>	COIN pretrig: <u>1513</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

25  $\mu$ A

Run Number: <b>6768</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>9</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>07:20</u> Stop time (from RC): <u>08:00</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <del>321</del> <u>211</u> k pretrig: e-K $\Lambda$ evts: <u>101</u>	SHMS prescale <del>321</del> <u>321</u> k pretrig: $\Sigma$ e-K $\Lambda$ evts: <u>7484</u>	COIN pretrig: <u>1006</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

25  $\mu$ A

Run Number: <b>6769</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>9</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>08:00</u> Stop time (from RC): <u>09:13</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>357</u> k pretrig: e-K $\Lambda$ evts: <u>149</u>	SHMS prescale <u>373</u> k pretrig: $\Sigma$ e-K $\Lambda$ evts: <u>7633</u>	COIN pretrig: <u>1703</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

25  $\mu$ A

Run Number: <b>6770</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>9</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>09:13</u> Stop time (from RC): <u>10:32</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>400</u> k pretrig: e-K $\Lambda$ evts: <u>189</u>	SHMS prescale <u>418</u> k pretrig: $\Sigma$ e-K $\Lambda$ evts: <u>7822</u>	COIN pretrig: <u>1906</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

25  $\mu$ A

Run Number: <b>6771</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>9</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>10:33</u> Stop time (from RC): <u>11:33</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>306</u> k pretrig: e-K $\Lambda$ evts: <u>102</u>	SHMS prescale <u>320</u> k pretrig: $\Sigma$ e-K $\Lambda$ evts: <u>7924</u>	COIN pretrig: <u>1457</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

25  $\mu$ 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: 18/12/06  
yy mm dd

Initials: HJ

## Continuation of Configuration:

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

Run Number: 6772	<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: 10 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 11:39 Stop time (from RC): 12:30	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 255 k e-K $\Lambda$ evts: 171	SHMS prescale pretrig: 264 k $\Sigma$ e-K $\Lambda$ evts: 8095	COIN 4552 k pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 50 $\mu$ A							

Run Number: 6773	<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: 10 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 12:30 Stop time (from RC): 13:33	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 348 k e-K $\Lambda$ evts: 258	SHMS prescale pretrig: 359 k $\Sigma$ e-K $\Lambda$ evts: 8353	COIN 6216 k pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 50 $\mu$ A							

Run Number: 6774	<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: 10 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 13:34 Stop time (from RC): 14:30	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 313 k e-K $\Lambda$ evts: 217	SHMS prescale pretrig: 323 k $\Sigma$ e-K $\Lambda$ evts: 8570	COIN 5615 k pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 50 $\mu$ A 6.5 M events							

Run Number: 6775	<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: 10 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 14:30 Stop time (from RC): 15:31	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 274 k e-K $\Lambda$ evts: 186	SHMS prescale pretrig: 283 k $\Sigma$ e-K $\Lambda$ evts: <del>8756</del>	COIN 4909 k pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 50 $\mu$ A							

Run Number: 6776	<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: 10 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 15:32 Stop time (from RC): 15:42	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS prescale pretrig: k e-K $\Lambda$ evts: <del>108</del>	SHMS prescale pretrig: k $\Sigma$ e-K $\Lambda$ evts:	COIN <del>5000</del> k pretrig: <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: 50 $\mu$ A $\rightarrow$ No Beam $\rightarrow$ Junk Run							

Run Number: 6777	<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: 10 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 18:47 Stop time (from RC): 20:46	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 391 k e-K $\Lambda$ evts: 155	SHMS prescale pretrig: 207 k $\Sigma$ e-K $\Lambda$ evts: 8911	COIN 2916 k pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: $\rightarrow$ 40 $\mu$ 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 / 06  
yy mm dd

Initials: JH  
HV

## Continuation of Configuration:

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

low epsilon SHMS left

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

Run Number: 6778	<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: 10 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 20:47 Stop time (from RC): 22:01	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 391 k e-K $\Lambda$ evts: 167	SHMS prescale pretrig: 208 k $\Sigma$ e-K $\Lambda$ evts: 9078	COIN pretrig: 2897 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

40  $\mu$ A

Run Number: 6779	<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: 10 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 22:02 Stop time (from RC): 22:57	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 456 k e-K $\Lambda$ evts: 163	SHMS prescale pretrig: 242 k $\Sigma$ e-K $\Lambda$ evts: 9241	COIN pretrig: 3405 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

40  $\mu$ A

Run Number: 6780	<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: 10 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 22:58 Stop time (from RC): 23:57	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 240 k e-K $\Lambda$ evts: 166	SHMS prescale pretrig: 249 k $\Sigma$ e-K $\Lambda$ evts: 9407	COIN pretrig: 3483 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

40  $\mu$ A

Run Number: 6781	<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: 10 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 23:57 Stop time (from RC): 00:31	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 131 k e-K $\Lambda$ evts: 104	SHMS prescale pretrig: 136 k $\Sigma$ e-K $\Lambda$ evts: 9511	COIN pretrig: 1915 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

40  $\mu$ A

Run Number: 6782	<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: 10 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 00:31 Stop time (from RC): 01:17	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 205 k e-K $\Lambda$ evts: 156	SHMS prescale pretrig: 212 k $\Sigma$ e-K $\Lambda$ evts: 9667	COIN pretrig: 2980 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

40  $\mu$ A

Run Number: 6783	<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: 10 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 01:22 Stop time (from RC): 02:22	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 258 k e-K $\Lambda$ evts: 195	SHMS prescale pretrig: 267 k $\Sigma$ e-K $\Lambda$ evts: 9862	COIN pretrig: 3743 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

40  $\mu$ 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: 18/12/07  
yy mm dd

Initials: HV

## Continuation of Configuration:

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

low epsilon, SHMS left

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

Run Number: <b>6784</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>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>02:23</u>  Stop time (from RC): <u>02:33</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>35</u> k pretrig:  e-K $\Lambda$ evts: <u>31</u>	SHMS prescale <u>36</u> k pretrig:  $\Sigma$ e-K $\Lambda$ evts: <u>9893</u>	COIN pretrig: <u>510</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <b>40 <math>\mu</math>A</b> <span style="margin-left: 100px;">Short run (MCC ask beam off)</span>							

Run Number: <b>6785</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>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>2:34</u>  Stop time (from RC): <u>3:31</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>251</u> k pretrig:  e-K $\Lambda$ evts: <u>173</u>	SHMS prescale <u>259</u> k pretrig:  $\Sigma$ e-K $\Lambda$ evts: <u>10066</u>	COIN pretrig: <u>3646</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <b>40 <math>\mu</math>A</b>							

Run Number: <b>6786</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>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>3:31</u>  Stop time (from RC): <u>4:31</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>257</u> k pretrig:  e-K $\Lambda$ evts: <u>203</u>	SHMS prescale <u>265</u> k pretrig:  $\Sigma$ e-K $\Lambda$ evts: <u>10269</u>	COIN pretrig: <u>3728</u> k <u>265</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <b>40 <math>\mu</math>A</b>							

Run Number: <b>6787</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>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>4:31</u>  Stop time (from RC): <u>5:31</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>271</u> k pretrig:  e-K $\Lambda$ evts: <u>184</u>	SHMS prescale <u>280</u> k pretrig:  $\Sigma$ e-K $\Lambda$ evts: <u>10453</u>	COIN pretrig: <u>3941</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <b>40 <math>\mu</math>A</b> <span style="margin-left: 100px;">No FSD Trip during Run!!!!</span>							

Run Number: <b>6788</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>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>5:31</u>  Stop time (from RC): <u>6:14</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>150</u> k pretrig:  e-K $\Lambda$ evts: <u>107</u>	SHMS prescale <u>155</u> k pretrig:  $\Sigma$ e-K $\Lambda$ evts: <u>10560</u>	COIN pretrig: <u>2184</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <b>40 <math>\mu</math>A</b> <span style="margin-left: 100px;">Stopped No beam</span>							

Run Number: <b>6789</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>10</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>7:25</u>  Stop time (from RC): <u>08:15</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale <u>140</u> k pretrig:  e-K $\Lambda$ evts: <u>127</u>	SHMS prescale <u>144</u> k pretrig:  $\Sigma$ e-K $\Lambda$ evts: <u>10687</u>	COIN pretrig: <u>2019</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <b>40 <math>\mu</math>A</b> <span style="margin-left: 100px;">Ended run after beam was off for 15 min.</span>							