

p(e,e'K) Λ Run Sheet

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

Use a separate sheet for each configuration.

Date: 18/09/20

Initials: GH

Configuration Name: Heap check
single setting #5.

E_{beam}: 10.6 GeV I_{beam}: ~10 μ A

HMS
p: +/- -5.322 θ (TV): 22.60

SHMS
p: +/- -6.300 θ (TV): 20.00

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

Purpose:
☒ Production
☐ Test
☐ Optics
☐ Other: _____

Raster: ☒ On ☐ Off
Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>-0.02</u> mm		<u>-0.05</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>-1.0</u> mm		<u>0.0</u> mm
Nomin:		Nomin:

HMS		SHMS		
Q1	I-SET <u>693.74</u> A B-HALL <u>10.678</u> kG	A	I-SET <u>2122.00</u> A B-HALL <u>13.478</u> kG	HB
Q2	I-SET <u>553.68</u> A B-HALL <u>-1.081</u> kG	A	I-SET <u>1325.32</u> A B-HALL <u>-9368</u> kG	Q1
Q3	I-SET <u>267.60</u> A B-HALL <u>0.537</u> kG	A	I-SET <u>2221.80</u> A B-HALL <u>20.864</u> kG	Q2
D	I-READ <u>1669.59</u> A B-NMR <u>1.46006</u> kG	A	I-SET <u>1461.88</u> A B-HALL <u>14.112</u> kG	Q3
	<input checked="" type="checkbox"/> HMS cycled? <input checked="" type="checkbox"/> SHMS cycled?		I-SET <u>2010.08</u> A B-NMR <u>-14.449</u> kG	D

Run Number: <u>4780</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input checked="" type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>0</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>17:02</u> Stop time (from RC): <u>17:33</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <u>219</u> k e-K Λ evts: <u>—</u>	SHMS pretrig: <u>591</u> k Σ e-K Λ evts: <u>—</u>	COIN pretrig: <u>—</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Carbon Sieve Run. Beam unstable ~10 μ A.

Run Number: <u>4781</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. <input checked="" type="checkbox"/> C 6% A	PS1: <u>-1</u> PS2: <u>0</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>17:38</u> Stop time (from RC): <u>18:17</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <u>24.5</u> k e-K Λ evts: <u>—</u>	SHMS pretrig: <u>35.6</u> k Σ e-K Λ evts: <u>—</u>	COIN pretrig: <u>—</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Switch to thicker carbon since rates low. Mostly no beam

Run Number: <u>4782</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. <input checked="" type="checkbox"/> C 6%	PS1: <u>-1</u> PS2: <u>0</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>19:07</u> Stop time (from RC): <u>19:32</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <u>54.2</u> k e-K Λ evts: <u>—</u>	SHMS pretrig: <u>453</u> k Σ e-K Λ evts: <u>—</u>	COIN pretrig: <u>—</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: MCC is working on BLM trips, but better to start run than not. Current increasing 10-40 nA

Run Number: <u>4783</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. <input checked="" type="checkbox"/> C 6%	PS1: <u>-1</u> PS2: <u>0</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>19:34</u> Stop time (from RC): <u>20:06</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <u>146</u> k e-K Λ evts: <u>—</u>	SHMS pretrig: <u>1,433</u> k Σ e-K Λ evts: <u>—</u>	COIN pretrig: <u>—</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Stable 50 nA beam

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

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

Date: 18/09/28

Initials: GH

Continuation of Configuration:

Keep check single
#5

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

Run Number: 4784	<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: -1 PS2: 0 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 20:19 Stop time (from RC): 20:40	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 163 k e-K Λ evts: —	SHMS pretrig: 2,155 k 163 k Σ e-K Λ evts: —	COIN pretrig: — k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

Sieve out.

Run Number: 4785	<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: -1 PS2: 0 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 20:41 Stop time (from RC): 21:05	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 164 k e-K Λ evts: —	SHMS pretrig: 240 k Σ e-K Λ evts: —	COIN pretrig: — k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

Run Number: 4786	<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: -1 PS2: 0 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 21:15 Stop time (from RC): 21:41	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 53 k e-K Λ evts: —	SHMS pretrig: 468 k Σ e-K Λ evts: —	COIN pretrig: — k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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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.	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: k e-K Λ evts:	SHMS pretrig: k Σ e-K Λ evts:	COIN pretrig: k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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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.	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: k e-K Λ evts:	SHMS pretrig: k Σ e-K Λ evts:	COIN pretrig: k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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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.	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: k e-K Λ evts:	SHMS pretrig: k Σ e-K Λ evts:	COIN pretrig: k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

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

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

Use a separate sheet for each configuration.

Date: 18, 09, 28

Initials: GH

Configuration Name: Sieve Reference Run

E_{beam} : 10.6 GeV I_{beam} : 50 μA

HMS
 p_{HMS} : -5.3220 $\theta(\text{TV})$: 13.01

SHMS
 p_{SHMS} : -6.3 $\theta(\text{TV})$: 9.505

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

Purpose:
☒ Production
☐ Test
☐ Optics
☐ Other: _____

Raster: ☒ On ☐ Off
Size: 2x2 mm²

Beam position and angle on target:

3H07A -0.004 mm X -0.048 mm Y	Nomin: _____
3H07C -1.01 mm X -0.07 mm Y	Nomin: _____

HMS		SHMS	
Q1	I-SET 693.54 A B-HALL 0.678 kg	A I-SET 2122.42 A B-HALL 13.478 kg	HB
Q2	I-SET 553.4475 A B-HALL -1.079 kg	A I-SET 1325.46 A B-HALL -9.367 kg	Q1
Q3	I-SET 267.9133 A B-HALL 0.539 kg	A I-SET 2221.89 A B-HALL 20.865 kg	Q2
D	I-READ 1671.50 A B-NMR 1.46007 kg	A I-SET 1461.99 A B-HALL 14.113 kg	Q3
	<input checked="" type="checkbox"/> HMS cycled? <input checked="" type="checkbox"/> SHMS cycled?	A I-SET 2010.08 A B-NMR -14.442 kg	D

Run Number: 4787	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input checked="" type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: -1 PS2: 0 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 22:08:25 Stop time (from RC): 22:30:52	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 4448 k $e-K\Lambda$ evts: _____	SHMS pretrig: 26145 k $\Sigma e-K\Lambda$ evts: _____	COIN pretrig: _____ k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: \rightarrow Target PS rate = 1 kHz							

Run Number: 4787	<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: -1 PS2: 0 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 22:55:51 Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: _____ k $e-K\Lambda$ evts: _____	SHMS pretrig: _____ k $\Sigma e-K\Lambda$ evts: _____	COIN pretrig: _____ 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.	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: _____ k $e-K\Lambda$ evts: _____	SHMS pretrig: _____ k $\Sigma e-K\Lambda$ evts: _____	COIN pretrig: _____ 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.	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: _____ k $e-K\Lambda$ evts: _____	SHMS pretrig: _____ k $\Sigma e-K\Lambda$ evts: _____	COIN pretrig: _____ k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

p(e,e'K) Λ Run Sheet

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

Use a separate sheet for each configuration.

Date: ____/____/____

Initials: ____

Configuration Name: Heep Singles
Setting #1

E_{beam} : 10.6 GeV I_{beam} : 50 μA

HMS
 p_{HMS} : -5.322 $\theta(\text{TV})$: 24.17

SHMS
 p_{SHMS} : -6.842 $\theta(\text{TV})$: 18.00

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

Purpose:
☒ Production
☐ Test
☐ Optics
☐ Other: _____

Raster: ☒ On ☐ Off
Size: 2x2 mm²

Beam position and angle on target:

3H07A	X	Y
<u>0.015</u>	mm	<u>-0.017</u>
Nomin:		Nomin:
3H07C	X	Y
<u>-1.00</u>	mm	<u>-0.03</u>
Nomin:		Nomin:

HMS		SHMS		
Q1	I-SET <u>693.54</u>	A	I-SET <u>2315.83</u>	A
	B-HALL <u>0.677</u>	kg	B-HALL <u>14.675</u>	kg
Q2	I-SET <u>553.4475</u>	A	I-SET <u>1436.61</u>	A
	B-HALL <u>-1.081</u>	kg	B-HALL <u>-10.146</u>	kg
Q3	I-SET <u>267.9133</u>	A	I-SET <u>2413.05</u>	A
	B-HALL <u>0.536</u>	kg	B-HALL <u>22.658</u>	kg
D	I-READ <u>1671.50</u>	A	I-SET <u>1587.76</u>	A
	B-NMR <u>1.46008</u>	kg	B-HALL <u>15.340</u>	kg
	<input checked="" type="checkbox"/> HMS cycled?		I-SET <u>2183.01</u>	A
	<input checked="" type="checkbox"/> SHMS cycled?		B-NMR <u>15.670</u>	kg

Run Number: 4788

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

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

Start time (from RC): 22:55:51 **Stop time (from RC):** 23:22:08

☒ Settings Verified? ☒ HV OK?

HMS pretrig: 63 k **SHMS pretrig:** 2800 k **COIN pretrig:** _____ k

e-K Λ evts: _____ **Σ e-K Λ evts:** _____

☒ Data ok ☐ Junk

Comments: Estimated # elastics ~4500.

Run Number: 4789

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

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

Start time (from RC): 23:30 **Stop time (from RC):** 0:05

☒ Settings Verified? ☒ HV OK?

HMS pretrig: 112 k **SHMS pretrig:** 4797 k **COIN pretrig:** _____ k

e-K Λ evts: _____ **Σ e-K Λ evts:** _____

☒ Data ok ☐ Junk

Comments: Increase SHMS Q1 x 1.004 = 1442.36

Run Number: 4790

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

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

Start time (from RC): 00:11 **Stop time (from RC):** 00:27

☒ Settings Verified? ☒ HV OK?

HMS pretrig: 28 k **SHMS pretrig:** 814 k **COIN pretrig:** _____ k

e-K Λ evts: _____ **Σ e-K Λ evts:** _____

☒ 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?

HMS pretrig: _____ k **SHMS pretrig:** _____ k **COIN pretrig:** _____ k

e-K Λ evts: _____ **Σ e-K Λ evts:** _____

☐ Data ok ☐ Junk

Comments: _____

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

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

Date: 09/25/18

Initials: VVB

Use a separate sheet for each configuration.

Configuration Name: Heep Singler #2

E_{beam} : 10.6 GeV I_{beam} : 50 μA

HMS
p: +/- -5.322 $\theta(\text{TV})$: 24.17

SHMS
p: +/- -6.842 $\theta(\text{TV})$: 16.25

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

Purpose:
☒ Production
☐ Test
☐ Optics
☐ Other: _____

Raster: ☒ On ☐ Off
Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>0.18</u> mm		<u>0.03</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>-0.96</u> mm		<u>0.03</u> mm
Nomin:		Nomin:

HMS		SHMS		
Q1	I-SET <u>693.54</u> A	I-SET <u>2615.03</u> A	HB	
	B-HALL <u>0.677</u> kg	B-HALL <u>14.676</u> kg		
Q2	I-SET <u>553.4475</u> A	I-SET <u>1742.38</u> A	Q1	
	B-HALL <u>-1.081</u> kg	B-HALL <u>-10.186</u> kg		
Q3	I-SET <u>267.9133</u> A	I-SET <u>2713.05</u> A	Q2	
	B-HALL <u>0.536</u> kg	B-HALL <u>22.658</u> kg		
D	I-READ <u>1671.5</u> A	I-SET <u>1887.76</u> A	Q3	
	B-NMR <u>1.46008</u> kg	B-HALL <u>15.340</u> kg		
	<input checked="" type="checkbox"/> HMS cycled?	I-SET <u>2483.01</u> A	D	
	<input checked="" type="checkbox"/> SHMS cycled?	B-NMR <u>-15.670</u> kg		

Run Number: <u>4791</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>-1</u> PS2: <u>0</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>00:39</u> Stop time (from RC): _____	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <u>137,384</u> k $e-K\Lambda$ evts: _____	SHMS pretrig: <u>9,516,000</u> k $\Sigma e-K\Lambda$ evts: _____	COIN pretrig: _____ k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>Life time is 68% ; PS issue?</u>							

Run Number: <u>4792</u>	<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: <u>-1</u> PS2: <u>0</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>01:55</u> Stop time (from RC): <u>02:12</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <u>33</u> k $e-K\Lambda$ evts: _____	SHMS pretrig: <u>1,811</u> k $\Sigma e-K\Lambda$ evts: _____	COIN pretrig: _____ k <input checked="" 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: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: _____ k $e-K\Lambda$ evts: _____	SHMS pretrig: _____ k $\Sigma e-K\Lambda$ evts: _____	COIN pretrig: _____ 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: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: _____ k $e-K\Lambda$ evts: _____	SHMS pretrig: _____ k $\Sigma e-K\Lambda$ evts: _____	COIN pretrig: _____ k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

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

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

Date: 08/29/18

Initials: VVB

Use a separate sheet for each configuration.

Configuration Name: Heep Single #3

Purpose:
☒ Production
☐ Test
☐ Optics
☐ Other: _____

E_{beam} : 10.6 GeV I_{beam} : 42 μA

Raster: ☒ On ☐ Off
Size: 2x2

HMS
 p_{HMS} : -5.322 $\theta(\text{TV})$: 24.17

SHMS
 p_{SHMS} : -6.342 $\theta(\text{TV})$: 19.85

Collimator: HMS: Large ☐ Sieve ☐ SHMS: Large ☐ Sieve ☐

Beam position and angle on target:

3H07A	X	Y
<u>0.18</u> mm	<u>0.03</u> mm	
Nomin:		Nomin:
3H07C	X	Y
<u>-0.96</u> mm	<u>0.03</u> mm	
Nomin:		Nomin:

	HMS	SHMS	
Q1	I-SET <u>693.54</u> A B-HALL <u>0.677</u> kg	I-SET <u>2615.03</u> A B-HALL <u>14.676</u> kg	HB
Q2	I-SET <u>553.4475</u> A B-HALL <u>-1.081</u> kg	I-SET <u>1742.38</u> A B-HALL <u>-10.186</u> kg	Q1
Q3	I-SET <u>267.9133</u> A B-HALL <u>0.536</u> kg	I-SET <u>2713.05</u> A B-HALL <u>22.658</u> kg	Q2
D	I-READ <u>1671.5</u> A B-NMR <u>1.46008</u> kg	I-SET <u>1887.76</u> A B-HALL <u>15.340</u> kg	Q3
	<input checked="" type="checkbox"/> HMS cycled?	I-SET <u>2483.01</u> A B-NMR <u>-15.670</u> kg	D
	<input checked="" type="checkbox"/> SHMS cycled?		

Run Number: <u>4793</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>-1</u> PS2: <u>0</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>02:25</u> Stop time (from RC): <u>03:12</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <u>188</u> k $e-K\Lambda$ evts:	SHMS pretrig: <u>5311</u> k $\Sigma e-K\Lambda$ evts:	COIN pretrig: ____ k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>PS GUI Frozen</u>							

Run Number: <u>4794</u>	<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: <u>-1</u> PS2: <u>0</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>3:22</u> Stop time (from RC): <u>3:38</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: <u>31</u> k $e-K\Lambda$ evts:	SHMS pretrig: <u>592</u> k $\Sigma e-K\Lambda$ evts:	COIN pretrig: ____ k <input checked="" 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: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: ____ k $e-K\Lambda$ evts:	SHMS pretrig: ____ k $\Sigma e-K\Lambda$ evts:	COIN pretrig: ____ 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: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: ____ k $e-K\Lambda$ evts:	SHMS pretrig: ____ k $\Sigma e-K\Lambda$ evts:	COIN pretrig: ____ k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

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

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

Date: 09/29/18

Initials: VVB

Use a separate sheet for each configuration.

Configuration Name: Heep single #4

Purpose:
☒ Production
☐ Test
☐ Optics
☐ Other: _____

E_{beam} : 10.6 GeV I_{beam} : 42 μA

Raster: ☒ On ☐ Off
 Size: 2x2

HMS
 p_{HMS} : +/- -5.322 $\theta(\text{TV})$: 24.17

SHMS
 p_{SHMS} : +/- -6.892 $\theta(\text{TV})$: 13.8

Collimator: HMS: Large ☐ Sieve ☐ SHMS: Large ☐ Sieve ☐

Beam position and angle on target:

3H07A	X	Y
0.07 mm	0.02 mm	
Nomin:	Nomin:	
3H07C	X	Y
-0.98 mm	0.03 mm	
Nomin:	Nomin:	

HMS		SHMS		
Q1	I-SET 693.54 A B-HALL 0.677 kg	I-SET 2615.03 A B-HALL 14.676 kg	HB	
Q2	I-SET 553.4475 A B-HALL -1.081 kg	I-SET 1742.38 A B-HALL -10.186 kg	Q1	
Q3	I-SET 267.9133 A B-HALL 0.536 kg	I-SET 2713.05 A B-HALL 22.658 kg	Q2	
D	I-READ 1671.5 A B-NMR 1.46008 kg	I-SET 1887.76 A B-HALL 15.340 kg	Q3	
	<input checked="" type="checkbox"/> HMS cycled? <input checked="" type="checkbox"/> SHMS cycled?	I-SET 2483.09 A B-NMR -15.670 kg	D	

Run Number: 4735	<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: -1 PS2: 4 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 03:46 Stop time (from RC): 03:47	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: k e-K Λ evts:	SHMS pretrig: k Σ e-K Λ evts:	COIN pretrig: k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: JUNK							

Run Number: 4796	<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: -1 PS2: 20 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 03:48 Stop time (from RC): 04:33	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 120 k e-K Λ evts:	SHMS pretrig: 31,332 k Σ e-K Λ evts:	COIN pretrig: k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: buffered, PS2 not properly changed, JUNK							

Run Number: 4797	<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: -1 PS2: 4 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 04:37 Stop time (from RC): 05:16	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 120 k e-K Λ evts:	SHMS pretrig: 28,284 k Σ e-K Λ evts:	COIN pretrig: k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: unbuffered							

Run Number: 4798	<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: -1 PS2: 4 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 07:25 Stop time (from RC): 08:34	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 143 k e-K Λ evts:	SHMS pretrig: 28131 k Σ e-K Λ evts:	COIN pretrig: k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: buffered							

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

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

Date: 09/29/18

Initials: RA

Continuation of Configuration:

Heep Single #4

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

Run Number: 4799	<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: -1 PS2: 4 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 12:16 Stop time (from RC): 12:30	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 35 k e-K Λ evts:	SHMS pretrig: 7462 k Σ e-K Λ evts:	COIN pretrig: — k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: Buffered Mode							

Run Number: 4800	<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: -1 PS2: 4 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 12:45 Stop time (from RC): 12:57	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 19 35 k e-K Λ evts:	SHMS pretrig: 2822 k Σ e-K Λ evts:	COIN pretrig: — k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: Buffered Mode							

Run Number: 4801	<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: -1 PS2: 4 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 12:58 Stop time (from RC): 13:12	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 21 k e-K Λ evts:	SHMS pretrig: 36 36 k Σ e-K Λ evts:	COIN pretrig: — k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: Unbuffered Mode							

Run Number: 4802	<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: -1 PS2: 4 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): Stop time (from RC): 	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: k e-K Λ evts:	SHMS pretrig: k Σ e-K Λ evts:	COIN pretrig: — k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: Junk, PS2 should be 0 not 4 (for C sieve)							

Run Number: 4803	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input checked="" type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: -1 PS2: 0 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 13:22 Stop time (from RC): 13:27	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 308 k e-K Λ evts:	SHMS pretrig: 308 k Σ e-K Λ evts:	COIN pretrig: — k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: C sieve data							

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.	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC): 	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: k e-K Λ evts:	SHMS pretrig: k Σ e-K Λ evts:	COIN pretrig: k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

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

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

Use a separate sheet for each configuration.

Date: 09/29/18

Initials: RA

Configuration Name: Heep Singles #6

E_{beam} : 10.602 GeV I_{beam} : 40 μA

HMS
 $p_{\text{+/-}}$: -6.59 $\theta(\text{TV})$: 18.89

SHMS
 $p_{\text{+/-}}$: -8.055 $\theta(\text{TV})$: 13.70

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

Purpose:
☒ Production
☐ Test
☐ Optics
☐ Other: _____

Raster: ☒ On ☐ Off
Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>0.004</u> mm		<u>0.008</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>-0.477</u> mm		<u>-0.068</u> mm
Nomin:		Nomin:

	HMS	SHMS	
Q1	I-SET <u>863.77</u> A B-HALL <u>0.841</u> kG	I-SET <u>2748.52</u> A B-HALL <u>17.445</u> kG	HB
Q2	I-SET <u>707.79</u> A B-HALL <u>-1.366</u> kG	I-SET <u>1696.77</u> A B-HALL <u>-11.952</u> kG	Q1
Q3	I-SET <u>331.65</u> A B-HALL <u>0.668</u> kG	I-SET <u>2833.8</u> A B-HALL <u>26.572</u> kG	Q2
D	I-READ <u>2304.5</u> A B-NMR <u>1.84204</u> kG	I-SET <u>1864.61</u> A B-HALL <u>17.952</u> kG	Q3
	<input checked="" type="checkbox"/> HMS cycled? <input checked="" type="checkbox"/> SHMS cycled?	I-SET <u>2563.65</u> A B-NMR <u>-18.369</u> kG	D

Run Number: <u>4804</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>-1</u> PS2: <u>2</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>15:41</u> Stop time (from RC): <u>15:41</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: <u>236</u> k $e-K\Lambda$ evts: <u>—</u>	SHMS pretrig: <u>9402</u> k $\Sigma e-K\Lambda$ evts: <u>—</u>	COIN pretrig: <u>—</u> k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: <u>Buffered</u> <u>Junk!</u>							

Run Number: <u>4805</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>-1</u> PS2: <u>2</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>15:42</u> Stop time (from RC): <u>15:41</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <u>236</u> k $e-K\Lambda$ evts: <u>—</u>	SHMS pretrig: <u>9402</u> k $\Sigma e-K\Lambda$ evts: <u>—</u>	COIN pretrig: <u>—</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>Buffered</u>							

Run Number: <u>4806</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>-1</u> PS2: <u>2</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>15:42</u> Stop time (from RC): <u>15:59</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <u>102</u> k $e-K\Lambda$ evts: <u>—</u>	SHMS pretrig: <u>3985</u> k $\Sigma e-K\Lambda$ evts: <u>—</u>	COIN pretrig: <u>—</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>Buffered</u> <u>After end of run, AMS Dipole adjusted.</u>							

Run Number: <u>4807</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>-1</u> PS2: <u>2</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>16:13</u> Stop time (from RC): <u>—</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: <u>—</u> k $e-K\Lambda$ evts: <u>—</u>	SHMS 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
Comments: <u>Junk</u>							

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

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

Date: 18/09/29

Initials: GH/cy

Continuation of Configuration:

Keep singles #6

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

Run Number: 4808	<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: -1 PS2: 0 PS3: -1 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 16:27 Stop time (from RC): 16:51	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 145 k e-K Λ evts: -	SHMS pretrig: 5458 k Σ e-K Λ evts: -	COIN pretrig: - k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

PS2 was reading 2, but the it was reading 2 kHz. so I hit enter on target rate and it changed to PS2=9 First run with adjusted HMS Dipole (Buffered)

Run Number: 4809	<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: -1 PS2: 0 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 16:53 Stop time (from RC): 16:58	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 223 k e-K Λ evts: -	SHMS pretrig: 817 k Σ e-K Λ evts: -	COIN pretrig: - k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

Un-Buffered

Run Number: 4810	<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: -1 PS2: 0 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 17:09 Stop time (from RC): 17:22	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 70 k e-K Λ evts: -	SHMS pretrig: 2637 k Σ e-K Λ evts: -	COIN pretrig: - k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

Un-Buffered

Run Number: 4811	<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: -1 PS2: 2 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 17:23 Stop time (from RC): 17:39	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 124 k e-K Λ evts: -	SHMS pretrig: 4812 k Σ e-K Λ evts: -	COIN pretrig: - k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

Un-Buffered, PS2=2 (~2 kHz)

Run Number: 4812	<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: -1 PS2: 2 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 17:53 Stop time (from RC): 18:03	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 33.2 k e-K Λ evts: -	SHMS pretrig: 1146 k Σ e-K Λ evts: -	COIN pretrig: - k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

Unbuffered, PS2=2.

Run Number: 4813	<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: -1 PS2: 2 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 18:05 Stop time (from RC): 18:15	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 33.8 k e-K Λ evts: -	SHMS pretrig: 1164 k Σ e-K Λ evts: -	COIN pretrig: - k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

Buffered

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

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

Date: 18/09/29

Initials: CY/GH

Use a separate sheet for each configuration.

I-tru

Configuration Name: Heep Singla #7.

E_{beam} : 10.6 GeV I_{beam} : 20 μ A

HMS
 p_{HMS} : -6.590 $\theta(\text{TV})$: 17.200

SHMS
 p_{SHMS} : -8.035 $\theta(\text{TV})$: 11.700

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

Purpose:
☒ Production
☐ Test
☐ Optics
☐ Other: _____

Raster: ☒ On ☐ Off
Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>0.025</u> mm	<u>-0.07</u> mm	
Nomin:	Nomin:	
3H07C	X	Y
<u>-1.00</u> mm	<u>-0.043</u> mm	
Nomin:	Nomin:	

HMS		SHMS	
Q1	I-SET 864.05 A B-HALL 0.844 kg	I-SET 2747.90 A B-HALL 17.443 kg	HB
Q2	I-SET 708.04 A B-HALL -1.367 kg	I-SET 1696.68 A B-HALL -11.952 kg	Q1
Q3	I-SET 331.49 A B-HALL 0.666 kg	I-SET 2833.40 A B-HALL 26.572 kg	Q2
D	I-READ 2291.34 A B-NMR 1.83467 kg	I-SET 1864.44 A B-HALL 17.950 kg	Q3
	<input checked="" type="checkbox"/> HMS cycled? <input checked="" type="checkbox"/> SHMS cycled?	I-SET 2563.36 A B-NMR -18.369 kg	D

Run Number: 4814	<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: <u>-1</u> PS2: <u>2</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): 18:28 Stop time (from RC): 18:38	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 89.4 k $e-K\Lambda$ evts: -	SHMS pretrig: 70.9 k $\Sigma e-K\Lambda$ evts: -336	COIN pretrig: - k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: Buffered							

Run Number: 4815	<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: <u>-1</u> PS2: <u>2</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): 18:41 Stop time (from RC): 19:02	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 115 k $e-K\Lambda$ evts: -	SHMS pretrig: 4130 k $\Sigma e-K\Lambda$ evts: -	COIN pretrig: - k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: Un-Buffered							

Run Number: 4816	<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.	PS1: <u>-1</u> PS2: <u>5</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): 19:17 Stop time (from RC): 19:57	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 947 k $e-K\Lambda$ evts: -	SHMS pretrig: 33,143 k $\Sigma e-K\Lambda$ evts: -	COIN pretrig: - k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: Un-Buffered.							

Run Number: 4817	<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.	PS1: <u>-1</u> PS2: <u>5</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): 19:59 Stop time (from RC): 20:39	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 839 k $e-K\Lambda$ evts: -	SHMS pretrig: 29,696 k $\Sigma e-K\Lambda$ evts: -	COIN pretrig: - k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: Buffered							

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

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

Date: 18/09/29

Initials: G.H./C.Y.

Continuation of Configuration:

Heep Singles #7

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

Run Number: 4818	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input checked="" type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: -1 PS2: 0 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 20:53 Stop time (from RC): 21:05	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 99 k $e-K\Lambda$ evts: -	SHMS pretrig: 254 k $\Sigma e-K\Lambda$ evts: -	COIN pretrig: - k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

HMS Angle \rightarrow 13.005° Buffered

Run Number: 4819	<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: -1 PS2: 0 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 21:18 Stop time (from RC): 21:45	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 85 k $e-K\Lambda$ evts: -	SHMS pretrig: 189 k $\Sigma e-K\Lambda$ evts: -	COIN pretrig: - k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

☒ Optics 1

Run Number: 4820	<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: -1 PS2: 0 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 21:49 Stop time (from RC): 22:26	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 121 k $e-K\Lambda$ evts: -	SHMS pretrig: 273 k $\Sigma e-K\Lambda$ evts: -	COIN pretrig: - k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

HMS Q1 increased by 0.5% from Nominal.

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.	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: k $e-K\Lambda$ evts:	SHMS pretrig: k $\Sigma e-K\Lambda$ evts:	COIN pretrig: 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.	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: k $e-K\Lambda$ evts:	SHMS pretrig: k $\Sigma e-K\Lambda$ evts:	COIN pretrig: 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.	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: k $e-K\Lambda$ evts:	SHMS pretrig: k $\Sigma e-K\Lambda$ evts:	COIN pretrig: k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

p(e,e'K) Λ Run Sheet

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

Use a separate sheet for each configuration.

Date: 9/29/18

Initials: GH/C.Y

HMS

SHMS

Configuration Name: Heep Singles #8

Purpose:
☒ Production
☐ Test
☐ Optics
☐ Other: _____

E_{beam}: 10.6 GeV I_{beam}: 20 μ A

Raster: ☒ On ☐ Off
 Size: 2x2

HMS
 p: +/- -6.59 θ (TV): 19.75

Beam position and angle on target:

3H07A	X	Y
<u>-0.022</u>	mm	<u>0.017</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>-1.031</u>	mm	<u>0.004</u> mm
Nomin:		Nomin:

SHMS
 p: +/- -8.035 θ (TV): 15.650

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

Q1	I-SET <u>863.7741</u> A B-HALL <u>0.841</u> kG	I-SET <u>2748.52</u> A B-HALL <u>17.445</u> kG	HB
Q2	I-SET <u>707.7899</u> A B-HALL <u>-1.366</u> kG	I-SET <u>1696.770</u> A B-HALL <u>-11.951</u> kG	Q1
Q3	I-SET <u>331.6450</u> A B-HALL <u>0.668</u> kG	I-SET <u>2833.800</u> A B-HALL <u>26.573</u> kG	Q2
D	I-READ <u>2286.75</u> A B-NMR <u>1.83099</u> kG	I-SET <u>1864.610</u> A B-HALL <u>17.950</u> kG	Q3
	<input checked="" type="checkbox"/> HMS cycled? <input checked="" type="checkbox"/> SHMS cycled?	I-SET <u>2563.6499</u> A B-NMR <u>1.0772616</u> kG	D

Run Number: <u>4821</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>-1</u> PS2: <u>0</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>23:02</u> Stop time (from RC): <u>23:31</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <u>113</u> k SHMS pretrig: <u>3464</u> k COIN pretrig: _____ k	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Should have \approx HMS \approx 3000 elastics,
 SHMS \approx 10K elastics from rough ext from SOK replay.

Run Number: <u>4822</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>-1</u> PS2: <u>0</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>11:58</u> Stop time (from RC): <u>12:15</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <u>1102</u> k SHMS pretrig: <u>1698.5</u> k COIN pretrig: _____ k	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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MCC is sending test CW beam. (1st minute no beam.)
 at beginning of run.

Run Number: <u>4823</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>-1</u> PS2: <u>0</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>14:15</u> Stop time (from RC): <u>14:17</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: _____ k SHMS pretrig: _____ k COIN pretrig: _____ k	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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MCC sent beam and took it back a minute or so after.

Run Number: <u>4824</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>-1</u> PS2: <u>0</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>17:05</u> Stop time (from RC): <u>17:27</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <u>167</u> k SHMS pretrig: <u>5469</u> k COIN pretrig: _____ k	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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PS2 = 0, PS3 = 0

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

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

Date: 04/30/18

Initials: GH/ey

Continuation of Configuration:

Heep Singles #8

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

Run Number: 4825	<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: -1 PS2: 1 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 17:28 Stop time (from RC): 18:05	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 294 k e-K Λ evts: -	SHMS pretrig: 9609 k Σ e-K Λ evts: -	COIN pretrig: k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

PS2=1, PS3=0

Run Number: 4826	<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: -1 PS2: -1 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 18:17 Stop time (from RC): 19:11	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 326 k e-K Λ evts: -	SHMS pretrig: - k Σ e-K Λ evts: -	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

- HMS optics Run HMS angle = 13.00° during SHMS polarity change.

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.	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: k e-K Λ evts:	SHMS pretrig: k Σ e-K Λ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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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.	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: k e-K Λ evts:	SHMS pretrig: k Σ e-K Λ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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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.	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: k e-K Λ evts:	SHMS pretrig: k Σ e-K Λ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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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.	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: k e-K Λ evts:	SHMS pretrig: k Σ e-K Λ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

p(e,e'K) Λ Run Sheet

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

Use a separate sheet for each configuration.

Date: 18.09.30.

Initials: GH/10

HMS

SHMS

Configuration Name: Heep Check Coin.

Purpose:

☒ Production

☐ Test

☐ Optics

☐ Other: _____

E_{beam}: 10.59 GeV I_{beam}: 40 μ A

Raster: ☒ On ☐ Off
Size: 2X2 mm

Beam position and angle on target:

3H07A	X	Y
<u>0.09</u>	mm	<u>-0.029</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>-0.99</u>	mm	<u>0.001</u> mm
Nomin:		Nomin:

HMS
p: +/- -6.59 θ (TV): 18.845

SHMS
p: +/- +4.840 θ (TV): 26.147

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

Q1	I-SET <u>863.774</u> A B-HALL <u>0.842</u> kg	I-SET <u>144.77</u> A B-HALL <u>-10.264</u> kg	HB
Q2	I-SET <u>707.79</u> A B-HALL <u>-1.368</u> kg	I-SET <u>1016.25</u> A B-HALL <u>7.213</u> kg	Q1
Q3	I-SET <u>331.645</u> A B-HALL <u>0.668</u> kg	I-SET <u>1706.98</u> A B-HALL <u>-16.091</u> kg	Q2
D	I-READ <u>2286.75</u> A B-NMR <u>1.83107</u> kg	I-SET <u>1123.18</u> A B-HALL <u>-10.919</u> kg	Q3
	<input checked="" type="checkbox"/> HMS cycled? <input checked="" type="checkbox"/> SHMS cycled?	I-SET <u>1544.25</u> A B-NMR kg	D NOT LOCKED

Run Number: <u>4827</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>5</u> PS2: <u>-1</u> PS3: <u>1</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>19:37</u> Stop time (from RC): <u>20:39</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <u>873</u> k e-K evts: <u>3065</u>	SHMS pretrig: <u>6716</u> k Σ e-K evts: <u>—</u>	COIN pretrig: <u>49.9</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: First Coincidence Run!

Run Number: <u>4828</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>5</u> PS2: <u>-1</u> PS3: <u>1</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>20:40</u> Stop time (from RC): <u>21:24</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <u>483</u> k e-K evts: <u>1658</u>	SHMS pretrig: <u>3728</u> k Σ e-K evts: <u>4723</u>	COIN pretrig: <u>33.3</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Run Ended when we asked Brad to reboot ROCs + CODA, to be sure sudden replay errors do not affect data. Possible reference time issues.

Run Number: <u>4829</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>5</u> PS2: <u>-1</u> PS3: <u>1</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>21:30</u> Stop time (from RC):	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <u>415</u> k e-K evts:	SHMS pretrig: <u>1382</u> k Σ e-K evts:	COIN pretrig: k <input checked="" type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments:

Run Number: <u>4852</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>5</u> PS2: <u>-1</u> PS3: <u>1</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>01:26</u> Stop time (from RC): <u>01:36</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <u>257</u> k e-K evts: <u>19</u>	SHMS pretrig: <u>1382</u> k Σ e-K evts: <u>4302</u>	COIN pretrig: <u>4.4</u> k <input checked="" type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: Trippy beam, more trigger work

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

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

Date: 18/10/01

Initials: RA

Continuation of Configuration:

Keep Check Coin

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

Run Number: 4855	<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: 5 PS2: -1 PS3: 1 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 0205 Stop time (from RC): 0217	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 245 k e-K Λ evts: 849	SHMS pretrig: 1931 k Σ e-K Λ evts: 4803	COIN pretrig: 10.7 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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5572

Run Number: 4856	<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: 5 PS2: -1 PS3: 1 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 0219 Stop time (from RC): 0256	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 444 k e-K Λ evts: 1705	SHMS pretrig: 3839 k Σ e-K Λ evts: 7277	COIN pretrig: 30.3 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Run Number: 4857	<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: 5 PS2: -1 PS3: 1 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 0305 Stop time (from RC): 0403	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 429 k e-K Λ evts: 3109	SHMS pretrig: 7245 k Σ e-K Λ evts: 10386	COIN pretrig: 51.4 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Run Number: 4858	<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: 5 PS2: -1 PS3: 1 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 0403 Stop time (from RC): 0510	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 1063 k e-K Λ evts: 3607	SHMS pretrig: 8346 k Σ e-K Λ evts: 13993	COIN pretrig: 55.5 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Run Number: 4859	<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: 5 PS2: -1 PS3: 1 PS4: 0-1 PS5: 0 PS6: -1	Start time (from RC): 0512 Stop time (from RC): 0607	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 992 k e-K Λ evts: 3482	SHMS pretrig: 7817 k Σ e-K Λ evts: 17475	COIN pretrig: 48.4 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Run Number: 4860	<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: 5 PS2: -1 PS3: 1 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 0607 Stop time (from RC): 0708	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: 867 k e-K Λ evts: 2999	SHMS pretrig: 6773 k Σ e-K Λ evts: 20474	COIN pretrig: 47.7 k <input checked="" 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/

Date: 18/10/01

Initials: AA

Continuation of Configuration:

Heep Check Coin

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

Run Number: 4861	<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>5</u> PS2: <u>-1</u> PS3: <u>1</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>0708</u> Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: <u>20</u> k e-K Λ evts: _____	SHMS pretrig: _____ k Σ e-K Λ evts: _____	COIN pretrig: _____ k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments:							

Run Number: 4862	<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>5</u> PS2: <u>-1</u> PS3: <u>1</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>0726</u> Stop time (from RC): <u>0825</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <u>201577</u> k e-K Λ evts: <u>2583</u>	SHMS pretrig: <u>6045</u> k Σ e-K Λ evts: <u>23057</u>	COIN pretrig: <u>46.8</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

Run Number: 4863	<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>5</u> PS2: <u>-1</u> PS3: <u>1</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>08:26</u> Stop time (from RC): <u>09:12</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <u>679</u> k e-K Λ evts: <u>2248</u>	SHMS pretrig: <u>5313</u> k Σ e-K Λ evts: <u>25,305</u>	COIN pretrig: <u>37.6</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

Run Number: 4864	<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: <u>5</u> PS2: <u>-1</u> PS3: <u>1</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?	HMS pretrig: <u>679</u> k e-K Λ evts: _____	SHMS pretrig: <u>5313</u> k Σ e-K Λ evts: _____	COIN pretrig: <u>37.6</u> k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

Run Number: 4864	<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: <u>5</u> PS2: <u>-1</u> PS3: <u>1</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>09:22</u> Stop time (from RC): <u>09:52</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <u>1315</u> k e-K Λ evts: <u>62</u>	SHMS pretrig: <u>161</u> k Σ e-K Λ evts: <u>62</u>	COIN pretrig: <u>37.8183</u> k <input checked="" 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: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: _____ k e-K Λ evts: _____	SHMS pretrig: _____ k Σ e-K Λ evts: _____	COIN pretrig: _____ k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							