

p(e,e'K)Λ Run Sheet

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

Date: 19 03 / 20
yy mm dd

Initials: GH

Use a separate sheet for each configuration.

Configuration Name: _____
Q²=4.4 low ε
Center θ = 10.01°

E_{beam}: 8.210 GeV **I_{beam}:** 70 μA

HMS
p: +0 2.3280 **θ(TV):** 27.770°
From GUI Nearest 0.005

SHMS
p: +0 5.3890 **θ(TV):** 10.005°
From GUI Nearest 0.005

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	-0.204	mm	Y	-0.206	mm
Nomin:				Nomin:		
3H07C	X	-0.975	mm	Y	0.510	mm
Nomin:				Nomin:		

	HMS	SHMS	
Q1	I-SET (from PSU) <u>303.2429</u> A B-HALL <u>0.296</u> kg	I-SET (from PSU) <u>1803.8600</u> A B-HALL <u>-11.465</u> kg	HB
Q2	I-SET (from PSU) <u>241.0552</u> A B-HALL <u>-0.447</u> kg	I-SET (from PSU) <u>1131.5300</u> A B-HALL <u>8.023</u> kg	Q1
Q3	I-SET (from PSU) <u>117.4311</u> A B-HALL <u>0.233</u> kg	I-SET (from PSU) <u>1900.600</u> A B-HALL <u>-17.894</u> kg	Q2
D	I-READ <u>711.93</u> A B-NMR <u>0.6373282</u> kg	I-SET (from PSU) <u>1250.5800</u> A B-HALL <u>-12.159</u> kg	Q3
	If momentum increased: <input type="checkbox"/> HMS cycled? <input checked="" type="checkbox"/> SHMS cycled?		D
		I-SET (from PSU) <u>1719.4200</u> A B-NMR _____ kg	D

Run Number: 7978 LH2 10cm PS1: 13 **Start time (from RC):** 18:50 Settings Verified? **HMS prescale:** 314 k **SHMS prescale:** 177 k **COIN pretrig:** 268 k

LD2 10cm PS2: -1 **Stop time (from RC):** 20:01 HV OK? **e-KΛ evts:** 151 **Σ e-KΛ evts:** 151 Data ok

MT thick 10cm PS3: 6 50k OK? Junk

C 1.5% r.l. PS4: -1

C 0.5% r.l. PS5: 0

_____ PS6: -1

70 μA

Run Number: 7979 LH2 10cm PS1: 13 **Start time (from RC):** 20:03 Settings Verified? **HMS prescale:** 351 k **SHMS prescale:** 199 k **COIN pretrig:** 297 k

LD2 10cm PS2: 7 **Stop time (from RC):** 21:10 HV OK? **e-KΛ evts:** 176 **Σ e-KΛ evts:** 327 Data ok

MT thick 10cm PS3: 6 50k OK? Junk

C 1.5% r.l. PS4: 7

C 0.5% r.l. PS5: 7

_____ PS6: -1

70 μA

Run Number: 7980 LH2 10cm PS1: 13 **Start time (from RC):** 21:11 Settings Verified? **HMS prescale:** 313 k **SHMS prescale:** 178 k **COIN pretrig:** 264 k

LD2 10cm PS2: -1 **Stop time (from RC):** 22:11 HV OK? **e-KΛ evts:** 160 **Σ e-KΛ evts:** 487 Data ok

MT thick 10cm PS3: 6 50k OK? Junk

C 1.5% r.l. PS4: -1

C 0.5% r.l. PS5: 0

_____ PS6: -1

70 μA

Run Number: 7981 LH2 10cm PS1: 13 **Start time (from RC):** 22:12 Settings Verified? **HMS prescale:** 237 k **SHMS prescale:** 133 k **COIN pretrig:** 201 k

LD2 10cm PS2: 7 **Stop time (from RC):** 23:11 HV OK? **e-KΛ evts:** 120 **Σ e-KΛ evts:** 607 Data ok

MT thick 10cm PS3: 6 50k OK? Junk

C 1.5% r.l. PS4: -1

C 0.5% r.l. PS5: 0

_____ PS6: -1

70 μA

p(e,e'K) Λ Run Sheet

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

Date: 19/03/28
yy mm dd

Initials: SP

Continuation of Configuration:

$Q^2 = 4.4$ low E $W = 2.74$
 $x = 0.4$ Center $\theta = 10.01^\circ$

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

Run Number: 7982	<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: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 23:13 Stop time (from RC): 00:16	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: k e-K Λ evts: 130	SHMS prescale pretrig: k Σ e-K Λ evts: 737	COIN pretrig: k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 70 μ A							

Run Number: 7983	<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: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 00:17:47 Stop time (from RC): 01:18:24	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: k e-K Λ evts: 132	SHMS prescale pretrig: k Σ e-K Λ evts: 869	COIN pretrig: k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 70 μ A							

Run Number: 7984	<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: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 01:19:05 Stop time (from RC): 02:20:23	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: k e-K Λ evts: 121	SHMS prescale pretrig: k Σ e-K Λ evts: 990	COIN pretrig: k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 70 μ A							

Run Number: 7985	<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: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 02:21:03 Stop time (from RC): 04:12:57	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: k e-K Λ evts: 109	SHMS prescale pretrig: k Σ e-K Λ evts: 1099	COIN pretrig: k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: ~65 μ A							

Run Number: 7986	<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: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 04:14:09 Stop time (from RC): 05:15:27	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: k e-K Λ evts: 131	SHMS prescale pretrig: k Σ e-K Λ evts: 1230	COIN pretrig: k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: ~65 μ A							

Run Number: 7987	<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: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 05:16:43 Stop time (from RC): 06:19:39	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: k e-K Λ evts: 111	SHMS prescale pretrig: k Σ e-K Λ evts: 1341	COIN pretrig: k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: ~65 μ A							

p(e,e'K) Λ Run Sheet

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Date: 19/03/29
yy mm dd

Initials: EF

Continuation of Configuration:

$Q^2 = 4.4$ low E $W = 2074$
 $x = 0.4$ center $\theta = 10.01$

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

Run Number: 7988	<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: -6 PS3: -4 PS4: 0 PS5: -1 PS6: -1	Start time (from RC): 06:20:42 Stop time (from RC): 07:51:21	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 113 k $e-K\Lambda$ evts: 61	SHMS prescale pretrig: 23 k $\Sigma e-K\Lambda$ evts: 1402	COIN pretrig: 132 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: $\sim 65 \mu A$, no beam for considerable fraction of the time							

Run Number: 7989	<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: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 8:09 Stop time (from RC): 8:59:59	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 199 k $e-K\Lambda$ evts: 93	SHMS prescale pretrig: 111 k $\Sigma e-K\Lambda$ evts: 1495	COIN pretrig: 163 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 65 μA							

Run Number: 7990	<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: 10 PS2: -1 PS3: 4 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 14:36 Stop time (from RC): 18:02	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 119.5 k $e-K\Lambda$ evts: 4	SHMS prescale pretrig: 22.4 k $\Sigma e-K\Lambda$ evts: —	COIN pretrig: 22.5 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 40 μA dummy.							

Run Number: 7991	<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: 10 PS2: -1 PS3: 4 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 15:02 Stop time (from RC): 15:28	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 25 k $e-K\Lambda$ evts: —	SHMS prescale pretrig: 179 k $\Sigma e-K\Lambda$ evts: —	COIN pretrig: 13 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 40 μA dummy: 25 min good beam.							

Run Number: 7992	<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: 10 PS2: -1 PS3: 4 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 16:06 Stop time (from RC): 16:34	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 117 k $e-K\Lambda$ evts: —	SHMS prescale pretrig: 79 k $\Sigma e-K\Lambda$ evts: —	COIN pretrig: 21 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 40 μA dummy, Dipole tip HMS							

Run Number: 7993	<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: 10 PS2: -1 PS3: 4 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 17:16 Stop time (from RC): 17:36	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 77 k $e-K\Lambda$ evts: —	SHMS prescale pretrig: 53 k $\Sigma e-K\Lambda$ evts: —	COIN pretrig: 140 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 40 μA dummy							

p(e,e'K) Λ Run Sheet

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Date: 19/03/29
yy mm dd

Initials: RLT3

Continuation of Configuration:

$$Q^2 = 4.4 \quad W = 2.74 \quad \ln W \dot{=} 2$$

$$X = 0.40 \quad \text{Center} (\theta = 10.01)$$

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

Run Number: 7994	<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: -6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 17:46 Stop time (from RC): 18:20	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 144 k SHMS prescale: 163 k e-K Λ evts: 72 Σ e-K Λ evts: 1567	COIN pretrig: 125 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 70 mA [HMS DC ref time multi-peaks] ended early
 ↳ this is no issue ↳ cavity down

Run Number: 7995	<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: -6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 18:45 Stop time (from RC): 19:44	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 142 k SHMS prescale: 159 k e-K Λ evts: 148 Σ e-K Λ evts: 1715	COIN pretrig: 237 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 70 mA

Run Number: 7996	<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: 7 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 19:44 Stop time (from RC): 20:00	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 45 k SHMS prescale: 50 k e-K Λ evts: 47 Σ e-K Λ evts: 1762	COIN pretrig: 74 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 70 mA MCC called to say beam will be off

Run Number: 7997	<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: 7 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 20:19 Stop time (from RC): 21:18	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 155 k SHMS prescale: 173 k e-K Λ evts: 163 Σ e-K Λ evts: 1925	COIN pretrig: 288 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 70 mA

Run Number: 7998	<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: 7 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 21:25 Stop time (from RC): 21:26	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS prescale: k SHMS prescale: k e-K Λ evts: Σ e-K Λ evts:	COIN pretrig: k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: Junk, Prescale adjustment

Run Number: 7999	<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: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 21:27 Stop time (from RC): 22:18	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: 268 k SHMS prescale: 303 k e-K Λ evts: 138 Σ e-K Λ evts: 2663	COIN pretrig: 224 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 70 mA

p(e,e'K) Λ Run Sheet

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

Date: 19 / 03 / 29
 yy mm dd

Initials: PLT3

Continuation of Configuration:

$Q^2 = 4.4$ $W = 2.74$ low ξ
 $x = 0.40$ center ($\theta = 10.01$)

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

Run Number: 8000	<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>6</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>22:20</u> Stop time (from RC): <u>23:20</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>342</u> k e-K Λ evts: <u>176</u>	SHMS prescale pretrig: <u>388</u> k Σ e-K Λ evts: <u>2239</u>	COIN pretrig: <u>286</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:
70 mA

Run Number: 8001	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l.	PS1: <u>12</u> PS2: <u>-1</u> PS3: <u>6</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>23:21</u> Stop time (from RC): <u>00:47</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: _____ k e-K Λ evts: <u>264</u>	SHMS prescale pretrig: _____ k Σ e-K Λ evts: <u>2503</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

Run Number: 8002	<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>6</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>00:48:24</u> Stop time (from RC): <u>01:57:32</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: _____ k e-K Λ evts: <u>201</u>	SHMS prescale pretrig: _____ k Σ e-K Λ evts: <u>2704</u>	<input checked="" 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? <input type="checkbox"/> 50k OK?	HMS prescale pretrig: _____ k e-K Λ evts:	SHMS prescale 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? <input type="checkbox"/> 50k OK?	HMS prescale pretrig: _____ k e-K Λ evts:	SHMS prescale 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? <input type="checkbox"/> 50k OK?	HMS prescale pretrig: _____ k e-K Λ evts:	SHMS prescale pretrig: _____ k Σ e-K Λ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

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

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

Date: 18 / 03 / 30
yy mm dd

Initials: JPH

Use a separate sheet for each configuration.

HMS

SHMS

Configuration Name:

$p(e, e'K^+) \Lambda$ $Q^2 = 4.4$
SHMS left
 $W = 2.74$, $x = 0.4$, $\theta = 13.01^\circ$

Purpose:

- Production
- Test
- Optics
- Other: _____

$E_{beam} = 8.19$ GeV

$I_{beam} = 70$ μA

Raster: On Off

Size: _____

HMS

$p = \pm 2.328$ $\theta(TV) = 27.760$
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
-0.297 mm		-0.109 mm
Nomin:		Nomin:
3H07C	X	Y
-0.985 mm		0.502 mm
Nomin:		Nomin:

SHMS

$p = \pm 5.389$ $\theta(TV) = 13.010$
From GUI Nearest 0.005

Collimator: HMS: Large Sieve SHMS: Large Sieve

Q1	I-SET (from PSU) 304.06 A B-HALL 0.296 KG	I-SET (from PSU) 1131.36 A B-HALL 8.023 KG	HB
Q2	I-SET (from PSU) 240.80 A B-HALL -0.448 KG	I-SET (from PSU) 1300.48 A B-HALL -17.893 KG	Q1
Q3	I-SET (from PSU) 116.89 A B-HALL 0.234 KG	I-SET (from PSU) 1250.40 A B-HALL -12.157 KG	Q2
D	I-READ 711.99 A B-NMR 0.63732 KG	I-SET (from PSU) 1719.40 A B-HALL 12.542 KG	Q3
	If momentum increased: <input type="checkbox"/> HMS cycled? <input type="checkbox"/> SHMS cycled?	I-SET (from PSU) A B-NMR KG	D

Run Number: 8003	<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: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 05:53:55 Stop time (from RC): 06:56:19	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: k e-KA evts: 89	SHMS prescale pretrig: k Σ e-KA evts: 89	COIN pretrig: k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 70 μA , ~~70 μA~~

Run Number: 8004	<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: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 06:57:13 Stop time (from RC): 07:56:10	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: k e-KA evts: 779	SHMS prescale pretrig: k Σ e-KA evts: 168	COIN pretrig: k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: ~70 μA

Run Number: 8005	<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: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 07:57:28 Stop time (from RC): 09:04	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 344 k e-KA evts: 138	SHMS prescale pretrig: 101 k Σ e-KA evts: 306	COIN pretrig: 123 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: ~70 μA

Run Number: 8006	<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: 11 PS2: -1 PS3: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 09:107 Stop time (from RC): 10:15	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 335 k e-KA evts: 149	SHMS prescale pretrig: 197 k Σ e-KA evts: 455	COIN pretrig: 121 k <input checked="" 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/

Date: 19/03/30
yy mm dd

Initials: JCH

Use a separate sheet for each configuration.

Configuration Name: _____

$Q^2 = 4.4, W = 2.74, x = 0.4$

SHMS left $\theta = 13.01^\circ$

E_{beam} : 8.19 GeV

I_{beam} : 70 μA

Purpose:

- Production
- Test
- Optics
- Other: _____

Raster: On Off
Size: 2 x 2

Beam position and angle on target:

3H07A	X	0.29	Y	-0.19
	mm		mm	
Nomin:		0.3	Nomin:	-0.2
3H07C	X	-1.01	Y	0.495
	mm		mm	
Nomin:		-1.0	Nomin:	0.5

HMS

SHMS

Q1	I-SET (from PSU) 304.06 A B-HALL 0.299 KG	I-SET (from PSU) 1803.4 A B-HALL -11.462 KG	HB
Q2	I-SET (from PSU) 240.80 A B-HALL -0.449 KG	I-SET (from PSU) 1131.36 A B-HALL 8.023 KG	Q1
Q3	I-SET (from PSU) 116.58 A B-HALL 0.234 KG	I-SET (from PSU) 1900.48 A B-HALL -17.893 KG	Q2
D	I-READ 711.96 A B-NMR 0.63732 KG	I-SET (from PSU) 1250.40 A B-HALL -12.542 KG	Q3
	If momentum increased:		D
	<input type="checkbox"/> HMS cycled?		I-SET (from PSU) 1715.44 A
	<input type="checkbox"/> SHMS cycled?		B-NMR 12.530 KG

HMS

p: +0 2.328 θ (TV): 27.77
From GUI Nearest 0.005

SHMS

p: -0 5.389 θ (TV): 13.010
From GUI Nearest 0.005

Collimator:

HMS: Large
Sieve

SHMS: Large
Sieve

Run Number:

8007

- LH2 10cm
- LD2 10cm
- MT thick 10cm
- C 1.5% r.l.
- C 0.5% r.l.
- _____

PS1: 11
PS2: -1
PS3: 6
PS4: -1
PS5: 0
PS6: -1

Start time (from RC):

10:16

Stop time (from RC):

11:20

Settings Verified?

HV OK?

50k OK?

HMS prescale
pretrig: 320 k

e-K Λ evts:
138

SHMS prescale
pretrig: 188 k

Σ e-K Λ evts:
593

COIN
pretrig: 114 k

Data ok
 Junk

Comments:

Run Number:

8008

- LH2 10cm
- LD2 10cm
- MT thick 10cm
- C 1.5% r.l.
- C 0.5% r.l.
- _____

PS1: 11
PS2: -1
PS3: 6
PS4: -1
PS5: 0
PS6: -1

Start time (from RC):

11:21

Stop time (from RC):

12:34

Settings Verified?

HV OK?

50k OK?

HMS prescale
pretrig: 331 k

e-K Λ evts:
123

SHMS prescale
pretrig: 195 k

Σ e-K Λ evts:
716

COIN
pretrig: 122 k

Data ok
 Junk

Comments:

Run Number:

8009

- LH2 10cm
- LD2 10cm
- MT thick 10cm
- C 1.5% r.l.
- C 0.5% r.l.
- _____

PS1: 11
PS2: -1
PS3: 6
PS4: -1
PS5: 0
PS6: -1

Start time (from RC):

12:34

Stop time (from RC):

13:37

Settings Verified?

HV OK?

50k OK?

HMS prescale
pretrig: 336 k

e-K Λ evts:
116

SHMS prescale
pretrig: 198 k

Σ e-K Λ evts:
832

COIN
pretrig: 118 k

Data ok
 Junk

Comments:

Run Number:

8010

- LH2 10cm
- LD2 10cm
- MT thick 10cm
- C 1.5% r.l.
- C 0.5% r.l.
- _____

PS1: 11
PS2: -1
PS3: 6
PS4: -1
PS5: 0
PS6: -1

Start time (from RC):

13:38

Stop time (from RC):

14:41

Settings Verified?

HV OK?

50k OK?

HMS prescale
pretrig: 358 k

e-K Λ evts:
130

SHMS prescale
pretrig: 211 k

Σ e-K Λ evts:
962

COIN
pretrig: 122 k

Data ok
 Junk

Comments:

p(e,e'K) Λ Run Sheet

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

Date: 19, 03, 30
yy mm dd

Initials: JOK

Continuation of Configuration:

$Q^2 = 4.4$, $W = 2.74$, $x = 0.4$
Stims left $\theta = 13.01^\circ$

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

Run Number: 8011	<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: 11 PS2: -1 PS3: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 14:41 Stop time (from RC): 15:41	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 319 k e-K Λ evts: 104	SHMS prescale pretrig: 187 k Σ e-K Λ evts: 1,066	COIN pretrig: 111 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

Run Number: 8012	<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: 11 PS2: -1 PS3: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 15:42 Stop time (from RC): 16:42	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 324 k e-K Λ evts: 119	SHMS prescale pretrig: 191 k Σ e-K Λ evts: 1185	COIN pretrig: 111 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 70mA							

Run Number: 8013	<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: 10 PS2: -1 PS3: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 16:43 Stop time (from RC): 17:47	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 355 k e-K Λ evts: 162	SHMS prescale pretrig: 417 k Σ e-K Λ evts: 1347	COIN pretrig: 123 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 70mA							

Run Number: 8014	<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: 10 PS2: -1 PS3: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 17:47 Stop time (from RC): 18:46	<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 Λ evts: 110	SHMS prescale pretrig: 333 k Σ e-K Λ evts: 1457	COIN pretrig: 102 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 70mA							

Run Number: 8015	<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: 10 PS2: -1 PS3: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 18:51 Stop time (from RC): 19:48	<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 Λ evts: 102	SHMS prescale pretrig: 332 k Σ e-K Λ evts: 1559	COIN pretrig: 102 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

Run Number: 8016	<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: 10 PS2: -1 PS3: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 19:49 Stop time (from RC): 20:38	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 253 k e-K Λ evts: 99	SHMS prescale pretrig: 297 k Σ e-K Λ evts: 1658	COIN pretrig: 90 k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 70mA, Stopped due to no beam							

p(e,e'K) Λ Run Sheet

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

Date: 19/03/30
yy mm dd

Initials: _____

Continuation of Configuration:

$$Q^2 = 4.4 \quad W = 2.74 \quad X = 0.4$$

5+1Ms left @ -13.01°

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

Run Number: 8017	<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>8</u> PS2: <u>7</u> PS3: <u>4</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>20:42</u> Stop time (from RC): <u>20:51</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: <u>305</u> k SHMS prescale: <u>250</u> k COIN pretrig: <u>44</u> k e-K Λ evts: _____ Σ e-K Λ evts: _____	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

40 mA

Run Number: 8018	<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>10</u> PS2: <u>-1</u> PS3: <u>6</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>22:01</u> Stop time (from RC): <u>22:51</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: <u>163</u> k SHMS prescale: <u>191</u> k COIN pretrig: <u>69</u> k e-K Λ evts: <u>49</u> Σ e-K Λ evts: <u>1707</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

70 mA, beam end early

Run Number: 8019	<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: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): <u>23:00</u> Stop time (from RC): <u>23:10</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS prescale: 385 k SHMS prescale: <u>3</u> k COIN pretrig: _____ k e-K Λ evts: _____ Σ e-K Λ evts: _____	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments:

Junk no beam

Run Number: 8020	<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>10</u> PS2: <u>-1</u> PS3: <u>6</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>23:42</u> Stop time (from RC): <u>00:42</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: <u>385</u> k SHMS prescale: <u>327</u> k COIN pretrig: <u>115</u> k e-K Λ evts: <u>129</u> Σ e-K Λ evts: <u>1836</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

69.5 μ A

Run Number: 8021	<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>10</u> PS2: <u>-1</u> PS3: <u>6</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>00:42</u> Stop time (from RC): <u>1:42</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: <u>303</u> k SHMS prescale: <u>260</u> k COIN pretrig: <u>95</u> k e-K Λ evts: <u>92</u> Σ e-K Λ evts: <u>1928</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

FSD trips; Current fluctuations (65, 70)

Run Number: 8022	<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>10</u> PS2: <u>-1</u> PS3: <u>6</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>1:43</u> Stop time (from RC): <u>2:44</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale: <u>406</u> k SHMS prescale: <u>345</u> k COIN pretrig: <u>121</u> k e-K Λ evts: <u>147</u> Σ e-K Λ evts: <u>2045</u>	<input checked="" 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/

Date: 19, 03, 31
yy mm dd

Initials: _____

Continuation of Configuration:

$a^2 = 4.4$, $w = 2.74$, $k = 0.4$
SHMS left $\theta = 13.01^\circ$

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

Run Number: 8023	<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>10</u> PS2: <u>-1</u> PS3: <u>6</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>2:45</u> Stop time (from RC): <u>3:45</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>406</u> k e-K Λ evts: <u>159</u>	SHMS prescale pretrig: <u>345</u> k Σ e-K Λ evts: <u>2234</u>	COIN pretrig: <u>119</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>TDC errors (look logbook)</u>							

Run Number: 8024	<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>10</u> PS2: <u>-1</u> PS3: <u>6</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>3:46</u> Stop time (from RC): <u>4:47</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>404</u> k e-K Λ evts: <u>151</u>	SHMS prescale pretrig: <u>343</u> k Σ e-K Λ evts: <u>2385</u>	COIN pretrig: <u>120</u> k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

Run Number: 8025	<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>10</u> PS2: <u>-1</u> PS3: <u>6</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>4:47</u> Stop time (from RC): <u>5:47</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>375</u> k e-K Λ evts: <u>146</u>	SHMS prescale pretrig: <u>318</u> k Σ e-K Λ evts: <u>2531</u>	COIN pretrig: <u>112</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

Run Number: 8026	<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>10</u> PS2: <u>-1</u> PS3: <u>6</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>5:47</u> Stop time (from RC): <u>6:29</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>135</u> k e-K Λ evts: <u>45</u>	SHMS prescale pretrig: <u>116</u> k Σ e-K Λ evts: <u>2576</u>	COIN pretrig: <u>53</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>Beam off at end of the run; 1L13 Pump faulted</u>							

Run Number: 8027	<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>10</u> PS2: <u>-1</u> PS3: <u>6</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>6:48</u> Stop time (from RC): <u>7:48</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>271</u> k e-K Λ evts: <u>77</u>	SHMS prescale pretrig: <u>231</u> k Σ e-K Λ evts: <u>2653</u>	COIN pretrig: <u>91</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>No beam for 50% of run time</u>							

Run Number: 8028	<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>10</u> PS2: <u>-1</u> PS3: <u>6</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>7:48</u> Stop time (from RC): <u>8:49</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: <u>311</u> k e-K Λ evts: <u>117</u>	SHMS prescale pretrig: <u>365</u> k Σ e-K Λ evts: <u>2770</u>	COIN pretrig: <u>112</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

p(e,e' Λ) Run Sheet

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

Date: 19, 03, 31
yy mm dd

Initials: JKH

Continuation of Configuration:

$$Q^2 = 4.4, U = 2.74, x = 0.4$$

$$\text{SHMS left } \theta = 13.01^\circ$$

70 μA

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

Run Number: 8029	<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: 10 PS2: -1 PS3: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 8:50 Stop time (from RC): 9:53	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 353 k e-K Λ evts: 142	SHMS prescale pretrig: 415 k Σ e-K Λ evts: 2912	COIN pretrig: 123 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

Run Number: 8030	<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: 10 PS2: -1 PS3: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 9:53 Stop time (from RC): 10:52	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 347 k e-K Λ evts: 150	SHMS prescale pretrig: 408 k Σ e-K Λ evts: 3062	COIN pretrig: 120 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

Run Number: 8031	<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: 10 PS2: -1 PS3: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 10:53 Stop time (from RC): 11:52	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 276 k e-K Λ evts: 125	SHMS prescale pretrig: 324 k Σ e-K Λ evts: 3187	COIN pretrig: 102 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

Run Number: 8032	<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: 10 PS2: -1 PS3: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 11:53 Stop time (from RC): 12:52	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 309 k e-K Λ evts: 126	SHMS prescale pretrig: 364 k Σ e-K Λ evts: 3313	COIN pretrig: 110 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

Run Number: 8033	<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: 10 PS2: -1 PS3: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 12:53 Stop time (from RC): 13:52	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 322 k e-K Λ evts: 112	SHMS prescale pretrig: 378 k Σ e-K Λ evts: 3425	COIN pretrig: 113 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

Run Number: 8034	<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: 10 PS2: -1 PS3: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 13:52 Stop time (from RC): 14:55	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 341 k e-K Λ evts: 126	SHMS prescale pretrig: 400 k Σ e-K Λ evts: 3551	COIN pretrig: 120 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

p(e,e' Λ) Run Sheet

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

Date: 19/03/31
yy mm dd

Initials: JOK

Continuation of Configuration:

$Q^2 = 4.4$, $W = 2.74$, $x = 0.4$
SHMS left $\theta = 13.01^\circ$

70 mA

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

Run Number: 8035	<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: 10 PS2: -1 PS3: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 14:55 Stop time (from RC): 16:01	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 278 k e-K Λ evts: 111	SHMS prescale pretrig: 327 k Σ e-K Λ evts: 3662	COIN pretrig: 107 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Many beam trips & period of no beam

Run Number: 8036	<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: 10 PS2: -1 PS3: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 16:02 Stop time (from RC): 17:00	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 317 k e-K Λ evts: 138	SHMS prescale pretrig: 372 k Σ e-K Λ evts: 3800	COIN pretrig: 111 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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70 mA

Run Number: 8037	<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: 10 PS2: -1 PS3: 6 PS4: -1 PS5: 0 PS6: -1	Start time (from RC): 17:01 Stop time (from RC): 17:48	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS prescale pretrig: 207 k e-K Λ evts: 75	SHMS prescale pretrig: 243 k Σ e-K Λ evts: 3875	COIN pretrig: 78 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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70 mA, ends 1/2 & Stern out mp

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