

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

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

Date: 10/15/18

Initials: ABV

Continuation of Configuration:

lumi scan

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

Run Number: 5150	<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: 10 PS2: 7 PS3: PS4: PS5: PS6:	Start time (from RC): 1743 Stop time (from RC): 1757	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: k	SHMS pretrig: k	COIN pretrig: k
Comments:	e-K Λ evts: Σ e-K Λ evts: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk						

coin, 55 mA

Run Number: 5151	<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: 10 PS2: PS3: PS4: PS5: PS6:	Start time (from RC): 1759 Stop time (from RC): 1811	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: k	SHMS pretrig: k	COIN pretrig: k
Comments:	e-K Λ evts: Σ e-K Λ evts: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk						

shms, 55 mA ended early - no beam

Run Number: 5152	<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: 10 PS2: PS3: PS4: PS5: PS6:	Start time (from RC): 1825 Stop time (from RC): 1838	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: k	SHMS pretrig: k	COIN pretrig: k
Comments:	e-K Λ evts: Σ e-K Λ evts: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk						

SHMS, 55 mA

Run Number: 5153	<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: PS2: 7 PS3: PS4: PS5: PS6:	Start time (from RC): 1838 Stop time (from RC): 1851	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: k	SHMS pretrig: k	COIN pretrig: k
Comments:	e-K Λ evts: Σ e-K Λ evts: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk						

AMS, 55 mA

Run Number: 5154	<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. <input type="checkbox"/>	PS1: 9 PS2: 7 PS3: PS4: PS5: PS6:	Start time (from RC): 1902 Stop time (from RC): 1916	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: k	SHMS pretrig: k	COIN pretrig: k
Comments:	e-K Λ evts: Σ e-K Λ evts: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk						

coin, 55 mA

Run Number: 5155	<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. <input type="checkbox"/>	PS1: 9 PS2: 6 PS3: PS4: PS5: PS6:	Start time (from RC): 1918 Stop time (from RC): 1932	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: k	SHMS pretrig: k	COIN pretrig: k
Comments:	e-K Λ evts: Σ e-K Λ evts: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk						

coin, 45 mA

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

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

Date: 10/15/18

Initials: HSB

Continuation of Configuration:

lumi scan

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

Run Number: 5156	<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. <input type="checkbox"/>	PS1: 8 PS2: 6 PS3: 6 PS4: PS5: PS6:	Start time (from RC): 1933 Stop time (from RC): 1945	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: k	SHMS pretrig: k	COIN pretrig: k
Comments:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk						

coin lumi 30mA

Run Number: 5157	<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. <input type="checkbox"/>	PS1: 7 PS2: 5 PS3: 5 PS4: PS5: PS6:	Start time (from RC): 1947 Stop time (from RC): 2000	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: k	SHMS pretrig: k	COIN pretrig: k
Comments:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk						

coin, lumi, 15mA

Run Number: 5158	<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. <input type="checkbox"/>	PS1: 6 PS2: 4 PS3: 4 PS4: PS5: PS6:	Start time (from RC): 2001 Stop time (from RC): 2014	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: k	SHMS pretrig: k	COIN pretrig: k
Comments:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk						

coin, lumi, 5mA

Run Number: 5159	<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. <input type="checkbox"/>	PS1: 7 PS2: 6 PS3: 6 PS4: PS5: PS6:	Start time (from RC): 2020 Stop time (from RC): 2034	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: k	SHMS pretrig: k	COIN pretrig: k
Comments:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk						

coin, dummy, 30mA

Run Number: 5160	<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: 10 PS2: 8 PS3: 8 PS4: PS5: PS6:	Start time (from RC): 2042 Stop time (from RC): 2050	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: k	SHMS pretrig: k	COIN pretrig: k
Comments:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk						

coin, LH2, 55mA

Run Number: 5161	<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: 10 PS2: 7 PS3: 7 PS4: PS5: PS6:	Start time (from RC): 2057 Stop time (from RC): 2112	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: k	SHMS pretrig: k	COIN pretrig: k
Comments:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk						

coin, LH2, 45mA

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

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

Date: 10 / 15 / 18

Initials: ASV

Continuation of Configuration:

lumi run

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

Run Number: <i>5162</i>	<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: <i>9</i> PS2: <i>7</i> PS3: <i>7</i> PS4: <i>7</i> PS5: <i>7</i> PS6: <i>7</i>	Start time (from RC): <i>2114</i> Stop time (from RC): <i>2127</i>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: k	SHMS pretrig: k	COIN pretrig: k
Comments:	<i>30mA, lumi coin</i>						

Run Number: <i>5163</i>	<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: <i>8</i> PS2: <i>6</i> PS3: <i>6</i> PS4: <i>6</i> PS5: <i>6</i> PS6: <i>6</i>	Start time (from RC): <i>2128</i> Stop time (from RC): <i>2141</i>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: k	SHMS pretrig: k	COIN pretrig: k
Comments:	<i>15mA, lumi coin</i>						

Run Number: <i>5164</i>	<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: <i>8</i> PS2: <i>8</i> PS3: <i>8</i> PS4: <i>8</i> PS5: <i>8</i> PS6: <i>8</i>	Start time (from RC): <i>2142</i> Stop time (from RC): <i>2155</i>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: k	SHMS pretrig: k	COIN pretrig: k
Comments:	<i>SHMS, 15mA lumi</i>						

Run Number: <i>5165</i>	<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: <i>6</i> PS2: <i>6</i> PS3: <i>6</i> PS4: <i>6</i> PS5: <i>6</i> PS6: <i>6</i>	Start time (from RC): <i>2156</i> Stop time (from RC): <i>2112</i>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: k	SHMS pretrig: k	COIN pretrig: k
Comments:	<i>HMS, 15mA lumi</i>						

Run Number: <i>5166</i>	<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: <i>7</i> PS2: <i>5</i> PS3: <i>5</i> PS4: <i>5</i> PS5: <i>5</i> PS6: <i>5</i>	Start time (from RC): <i>2115</i> Stop time (from RC): <i>2128</i>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: k	SHMS pretrig: k	COIN pretrig: k
Comments:	<i>Coin, 5mA, lumi</i>						

Run Number: <i>5167</i>	<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: <i>11</i> PS2: <i>6</i> PS3: <i>6</i> PS4: <i>6</i> PS5: <i>6</i> PS6: <i>6</i>	Start time (from RC): <i>2301</i> Stop time (from RC): <i>2319</i>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: k	SHMS pretrig: k	COIN pretrig: k
Comments:	<i>55mA, coin, lumi setting 2 (HMS @ -4.204, 14.91deg) (SHMS @ 6.053)</i>						

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

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

Date: 10 / 15 / 18

Initials: HV

Continuation of Configuration:

lumi

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

Run Number: <i>5168</i>	<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: <i>10</i> PS2: <i>6</i> PS3: <i>6</i> PS4: <i>6</i> PS5: <i>6</i> PS6: <i>6</i>	Start time (from RC): <i>2321</i> Stop time (from RC): <i>2335</i>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <i>k</i> $e-K\Lambda$ evts:	SHMS pretrig: <i>k</i> $\Sigma e-K\Lambda$ evts:	COIN pretrig: <i>k</i> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <i>45mA coin</i>							

Run Number: <i>5169</i>	<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: <i>10</i> PS2: <i>5</i> PS3: <i>5</i> PS4: <i>5</i> PS5: <i>5</i> PS6: <i>5</i>	Start time (from RC): <i>2336</i> Stop time (from RC): <i>2350</i>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <i>k</i> $e-K\Lambda$ evts:	SHMS pretrig: <i>k</i> $\Sigma e-K\Lambda$ evts:	COIN pretrig: <i>k</i> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <i>30mA coin</i>							

Run Number: <i>5170</i>	<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: <i>9</i> PS2: <i>5</i> PS3: <i>5</i> PS4: <i>5</i> PS5: <i>5</i> PS6: <i>5</i>	Start time (from RC): <i>2352</i> Stop time (from RC): <i>00:08</i>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <i>k</i> $e-K\Lambda$ evts:	SHMS pretrig: <i>k</i> $\Sigma e-K\Lambda$ evts:	COIN pretrig: <i>k</i> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <i>15mA coin</i>							

Run Number: <i>5171</i>	<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: <i>7</i> PS2: <i>4</i> PS3: <i>4</i> PS4: <i>4</i> PS5: <i>4</i> PS6: <i>4</i>	Start time (from RC): <i>00:11</i> Stop time (from RC): <i>00:24</i>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <i>k</i> $e-K\Lambda$ evts:	SHMS pretrig: <i>k</i> $\Sigma e-K\Lambda$ evts:	COIN pretrig: <i>k</i> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <i>I = 5mA</i> <i>After this run, no longer forget to 10 on AT during.</i>							

Run Number: <i>5172</i>	<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: <i>7</i> PS2: <i>4</i> PS3: <i>4</i> PS4: <i>4</i> PS5: <i>4</i> PS6: <i>4</i>	Start time (from RC): <i>00:33</i> Stop time (from RC): <i>00:37</i>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	HMS pretrig: <i>k</i> $e-K\Lambda$ evts:	SHMS pretrig: <i>k</i> $\Sigma e-K\Lambda$ evts:	COIN pretrig: <i>k</i> <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: <i>Beam was choppy so ended the run.</i>							

Run Number: <i>5173</i>	<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: <i>7</i> PS2: <i>4</i> PS3: <i>4</i> PS4: <i>4</i> PS5: <i>4</i> PS6: <i>4</i>	Start time (from RC): <i>00:38</i> Stop time (from RC): <i>00:50</i>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <i>k</i> $e-K\Lambda$ evts:	SHMS pretrig: <i>k</i> $\Sigma e-K\Lambda$ evts:	COIN pretrig: <i>k</i> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <i>I = 30 mA</i>							

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

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

Date: 10/16/18

Initials: BD

Continuation of Configuration:

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

Run Number: 5174	<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. <input type="checkbox"/>	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): 01:03 Stop time (from RC): 01:01	<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
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very unstable beam at 55 mA.

Run Number: 5175	<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. <input type="checkbox"/>	PS1: 7 PS2: _____ PS3: 4 PS4: _____ PS5: _____ PS6: _____	Start time (from RC): 01:02 Stop time (from RC): 01:29	<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 checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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I = 55 mA

Run Number: 5176	<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. <input type="checkbox"/>	PS1: 7 PS2: _____ PS3: 4 PS4: _____ PS5: _____ PS6: _____	Start time (from RC): 01:31 Stop time (from RC): 01:44	<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 checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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I = 45 mA

Run Number: 5177	<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. <input type="checkbox"/>	PS1: 7 PS2: _____ PS3: 4 PS4: _____ PS5: _____ PS6: _____	Start time (from RC): 01:45 Stop time (from RC): 01:45	<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
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JUNK

Run Number: 5178	<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. <input type="checkbox"/>	PS1: 7 PS2: _____ PS3: 4 PS4: _____ PS5: _____ PS6: _____	Start time (from RC): 01:46 Stop time (from RC): 01:59	<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 checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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I = 30 mA

Run Number: 5179	<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. <input type="checkbox"/>	PS1: 7 PS2: _____ PS3: 4 PS4: _____ PS5: _____ PS6: _____	Start time (from RC): 02:00 Stop time (from RC): 02:14	<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 checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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I = 15 mA

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

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Date: 10/16/18

Initials: BD

Continuation of Configuration:

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Run Number: <u>5180</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. <input type="checkbox"/> _____	PS1: <u>7</u> PS2: _____ PS3: <u>4</u> PS4: _____ PS5: _____ PS6: _____	Start time (from RC): <u>02:16</u> Stop time (from RC): <u>02:30</u>	<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:							

I = 5 μ A, prescales were frozen. Restored it and took another run.

Run Number: <u>5181</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. <input type="checkbox"/> _____	PS1: <u>6</u> PS2: _____ PS3: <u>4</u> PS4: _____ PS5: _____ PS6: _____	Start time (from RC): <u>02:33</u> Stop time (from RC): <u>02:46</u>	<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 checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							

I = 5 μ A

Run Number: <u>5182</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: _____ 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:							

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:							

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:							

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:							

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

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

Date: 10 / 20 / 18

Initials: AA

Use a separate sheet for each configuration.

HMS

SHMS

Configuration Name: _____

Luminosity Scan

Purpose:

☒ Production

☐ Test

☐ Optics

☐ Other: _____

E_{beam}: 10.579 GeV

I_{beam}: Various μ A

Raster: ☒ On ☐ Off

Size: 2x2

HMS

p: +/- -3.266 θ (TV): 12.505

SHMS

p: +/- +6.842 θ (TV): 6.500

Collimator:

HMS: Large Sieve ☒

SHMS: Large Sieve ☒

Beam position and angle on target:

3H07A	X	Y
<u>0</u> mm	<u>-1</u> mm	
Nomin:	Nomin:	
3H07C	X	Y
<u>0</u> mm	<u>0</u> mm	
Nomin:	Nomin:	

Q1	I-SET <u>425.63</u> A B-HALL <u>0.415</u> kG	I-SET <u>234.40</u> A B-HALL <u>-14.683</u> kG	HB
Q2	I-SET <u>338.38</u> A B-HALL <u>-6.647</u> kG	I-SET <u>144.72</u> A B-HALL <u>10.228</u> kG	Q1
Q3	I-SET <u>164.20</u> A B-HALL <u>0.330</u> kG	I-SET <u>2412.96</u> A B-HALL <u>-22.700</u> kG	Q2
D	I-READ <u>999.75</u> A B-NMR <u>0.89413</u> kG	I-SET <u>1587.52</u> A B-HALL <u>-15.383</u> kG	Q3
	<input checked="" type="checkbox"/> HMS cycled? <input checked="" type="checkbox"/> SHMS cycled?	I-SET <u>2182.72</u> A B-NMR <u>15.638</u> kG	D

Run Number:

5295

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

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

Start time (from RC):

20:16:03

Stop time (from RC):

20:31:15

☒ Settings Verified?

☒ HV OK?

HMS pretrig:

83139 k

SHMS pretrig:

551079 k

COIN pretrig:

_____ k

e-K Λ evts:

Σ e-K Λ evts:

☒ Data ok

☐ Junk

Comments:

I = 50 μ A

1718327 evts

Run Number:

5296

- ☒ 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:

I = 70 μ A

Junk !!!

Run Number:

5297

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

PS1: 11
PS2: -1
PS3: 8
PS4: -1
PS5: -1
PS6: -1

Start time (from RC):

20:40:25

Stop time (from RC):

21:13

☒ Settings Verified?

☒ HV OK?

HMS pretrig:

136998 k

SHMS pretrig:

444787 k

COIN pretrig:

_____ k

e-K Λ evts:

Σ e-K Λ evts:

☒ Data ok

☐ Junk

Comments:

I = 70 μ A

1988822 evts

Run Number:

5298

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

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

Start time (from RC):

21:22:44

Stop time (from RC):

21:34:42

☒ Settings Verified?

☒ HV OK?

HMS pretrig:

53920 k

SHMS pretrig:

234409 k

COIN pretrig:

_____ k

e-K Λ evts:

Σ e-K Λ evts:

☒ Data ok

☐ Junk

Comments:

I = 65 μ A

1740740 evts

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

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

Date: 10/20/18

Initials: RA

Continuation of Configuration:

Luminosity Scan

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

Run Number: <u>5299</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. <input type="checkbox"/>	PS1: <u>9</u> PS2: <u>-1</u> PS3: <u>7</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>21:36:06</u> Stop time (from RC): <u>21:50:07</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK?	HMS pretrig: <u>44886</u> k $e-K\Lambda$ evts: <u> </u>	SHMS pretrig: <u>179894</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>I = 50 μA</u> <u>1389946 evts</u>							

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u> </u> PS2: <u> </u> PS3: <u> </u> PS4: <u> </u> PS5: <u> </u> PS6: <u> </u>	Start time (from RC): <u> </u> Stop time (from RC): <u> </u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	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 type="checkbox"/> Junk
Comments:							

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u> </u> PS2: <u> </u> PS3: <u> </u> PS4: <u> </u> PS5: <u> </u> PS6: <u> </u>	Start time (from RC): <u> </u> Stop time (from RC): <u> </u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	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 type="checkbox"/> Junk
Comments:							

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u> </u> PS2: <u> </u> PS3: <u> </u> PS4: <u> </u> PS5: <u> </u> PS6: <u> </u>	Start time (from RC): <u> </u> Stop time (from RC): <u> </u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	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 type="checkbox"/> Junk
Comments:							

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u> </u> PS2: <u> </u> PS3: <u> </u> PS4: <u> </u> PS5: <u> </u> PS6: <u> </u>	Start time (from RC): <u> </u> Stop time (from RC): <u> </u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	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 type="checkbox"/> Junk
Comments:							

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> MT thick 10cm <input type="checkbox"/> C 1.5% r.l. <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u> </u> PS2: <u> </u> PS3: <u> </u> PS4: <u> </u> PS5: <u> </u> PS6: <u> </u>	Start time (from RC): <u> </u> Stop time (from RC): <u> </u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK?	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 type="checkbox"/> Junk
Comments:							

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

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

Date: 20/10/18

Initials: HA

Use a separate sheet for each configuration.

Configuration Name: _____

Luminosity Scan

E_{beam}: 10.599 GeV

I_{beam}: Variable μ A

Purpose:

☒ Production

☐ Test

☐ Optics

☐ Other: _____

Raster: ☒ On ☐ Off

Size: 2x2

Beam position and angle on target:

3H07A	X	Y
0	mm	-1
Nomin:		Nomin:
3H07C	X	Y
0	mm	0
Nomin:		Nomin:

HMS

SHMS

Q1	I-SET 547.94 B-HALL 0.535 kg	A	I-SET 2035.00 B-HALL -12.983 kg	A	HB
Q2	I-SET 435.69 B-HALL -0.843 kg	A	I-SET 1272.20 B-HALL 9.044 kg	A	Q1
Q3	I-SET 211.36 B-HALL 0.424 kg	A	I-SET 2134.52 B-HALL -20.040 kg	A	Q2
D	I-READ 1290.27 B-NMR 1.15088 kg	A	I-SET 1404.40 B-HALL -13.554 kg	A	Q3
	<input checked="" type="checkbox"/> HMS cycled?		I-SET 1931.20 B-NMR 13.838 kg	A	D
	<input checked="" type="checkbox"/> SHMS cycled?				

Run Number:

5300

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

PS1: 9
PS2: -1
PS3: 6
PS4: -1
PS5: -1
PS6: -1

Start time (from RC):
22:15:09

Stop time (from RC):
22:31:25

☒ Settings Verified?

☒ HV OK?

HMS pretrig:

19248 k

SHMS pretrig:

231143 k

COIN pretrig:

— k

e-K Λ evts:

—

Σ e-K Λ evts:

—

☒ Data ok

☐ Junk

Comments:

I = 50 μ A

1481594 events

Run Number:

5301

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

PS1: 9
PS2: -1
PS3: 6
PS4: -1
PS5: -1
PS6: -1

Start time (from RC):
22:33:28

Stop time (from RC):
22:54:36

☒ Settings Verified?

☒ HV OK?

HMS pretrig:

23817 k

SHMS pretrig:

274891 k

COIN pretrig:

— k

e-K Λ evts:

—

Σ e-K Λ evts:

—

☐ Data ok

☐ Junk

Comments:

I = 65 μ A, unable to deliver 65 μ A beam after 6 mins 1767329 events

Run Number:

5302

☒ 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: -1
PS6: -1

Start time (from RC):
23:09:25

Stop time (from RC):
23:19:37

☒ Settings Verified?

☒ HV OK?

HMS pretrig:

20537 k

SHMS pretrig:

534567 k

COIN pretrig:

— k

e-K Λ evts:

—

Σ e-K Λ evts:

—

☐ Data ok

☐ Junk

Comments:

I = 50 μ A

1143646 events

Run Number:

5303

☒ 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: -1
PS6: -1

Start time (from RC):
23:24:12

Stop time (from RC):
23:46:55

☒ Settings Verified?

☒ HV OK?

HMS pretrig:

28825 k

SHMS pretrig:

589845 k

COIN pretrig:

— k

e-K Λ evts:

—

Σ e-K Λ evts:

—

☐ Data ok

☐ Junk

Comments:

I = 70 μ A

1398740 events