

p(e,e') p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/16
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.538 GeV I_{beam}: 30 μA

Raster: On Off
Size: 2x2

HMS
p: +/- -5.878 θ(TV): 16.47
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

SHMS NPS
θ(TV): 35.02 θ = SHMS -16.30°
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Q1	I-SET (from PSU) <u>766.980</u> A
	B-HALL <u>1.02</u> T
Q2	I-SET (from PSU) <u>816.955</u> A
	B-HALL <u>-1.20</u> T
Q3	I-SET (from PSU) <u>296.233</u> A
	B-HALL <u>0.598</u> T
D	I-READ <u>1909.3</u> A
	B-NMR <u>1.62172</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: <u>1902</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: <u>0</u>	Start time (from RC): <u>8:47</u> Stop time (from RC): <u>9:10</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>5.58e5</u> hTRIG3 rate <u>2392.9</u> hTRIG4 rate <u>1588.8</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>coin sparse 30MA</u>		Events <u>252K</u> Charge _____ C		Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)	

Run Number: <u>1903</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: <u>0</u>	Start time (from RC): <u>9:12</u> Stop time (from RC): <u>9:36</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6.1x10⁵</u> hTRIG3 rate <u>612</u> hTRIG4 rate <u>453</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>coin sparse 8MA</u>		Events <u>82K</u> Charge _____ C		Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)	

Run Number: <u>1904</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: <u>0</u>	Start time (from RC): <u>9:44</u> Stop time (from RC): <u>10:35</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6.1x10⁶</u> hTRIG3 rate <u>4100</u> hTRIG4 rate <u>2950</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>coin sparse 20MA LD2</u>		Events <u>2.15M</u> Charge _____ C		Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)	

Run Number: <u>1905</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: <u>0</u>	Start time (from RC): <u>10:35</u> Stop time (from RC): _____	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6.2x10⁶</u> hTRIG3 rate <u>4100</u> hTRIG4 rate <u>2965</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>coin sparse 20MA LD2</u>		Events <u>2.0x10⁶</u> Charge _____ C		Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)	

p(e,e' γ) p Run Sheet

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Date: 20 / 10 / 16
yy mm dd

Initials: SAW

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse
 coin

E_{beam}: 10.538 GeV I_{beam}: 20 μ A

HMS

p: +/- _____ θ (TV): 16.47
From GUI Nearest 0.005

SHMS **NPS**

θ (TV): 35.02 θ = SHMS -16.30
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Purpose:

Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>766.99</u> A	B-HALL <u>1.02</u> T
Q2	I-SET (from PSU) <u>616.955</u> A	B-HALL <u>-1.20</u> T
Q3	I-SET (from PSU) <u>296.233</u> A	B-HALL <u>0.60</u> T
D	I-READ <u>1909.3</u> A	B-NMR <u>1.62172</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: <u>1906</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>1</u> PS2: <u>1</u> PS3: <u>1</u> PS4: <u>1</u> PS5: <u>1</u> PS6: <u>0</u>	Start time (from RC): <u>11:27</u> Stop time (from RC): <u>12:16</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6.1 x 10⁶</u> hTRIG5 rate <u>1075</u>	hTRIG3 rate <u>4115</u> hTRIG6 rate <u>740</u>	hTRIG4 rate <u>2928</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: L02 20 μ A

Events 2.00M Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____
Charge C

Run Number: <u>1907</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>1</u> PS2: <u>1</u> PS3: <u>1</u> PS4: <u>1</u> PS5: <u>1</u> PS6: <u>0</u>	Start time (from RC): <u>12:17</u> Stop time (from RC): <u>13:03</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.13e6</u> hTRIG5 rate <u>1072</u>	hTRIG3 rate <u>4082</u> hTRIG6 rate <u>783</u>	hTRIG4 rate <u>2922</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: L02 20 μ A

Events 1.91M Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____
Charge C

Run Number: <u>1908</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>1</u> PS2: <u>1</u> PS3: <u>1</u> PS4: <u>1</u> PS5: <u>1</u> PS6: <u>0</u>	Start time (from RC): <u>13:04</u> Stop time (from RC): <u>13:26</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.16 x 10⁶</u> hTRIG5 rate <u>1000</u>	hTRIG3 rate <u>4036</u> hTRIG6 rate <u>730</u>	hTRIG4 rate <u>2914</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: L02 20 μ A

Events 0.92M Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____
Charge C

Run Number: <u>1909</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>1</u> PS2: <u>1</u> PS3: <u>1</u> PS4: <u>1</u> PS5: <u>1</u> PS6: <u>0</u>	Start time (from RC): <u>13:33</u> Stop time (from RC): <u>14:13</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>7.5 x 10⁵</u> hTRIG5 rate <u>587</u>	hTRIG3 rate <u>3189</u> hTRIG6 rate <u>470</u>	hTRIG4 rate <u>936</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: LH2 40 μ A

Events 605K Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____
Charge C

p(e,e') p Run Sheet

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Date: / /
 yy mm dd

Initials:

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse
 coin

Purpose:

Production
 Test
 Optics
 Other: _____

E_{beam} 10.540 GeV I_{beam}: 20 μA

Raster: On Off
 Size: 2.00 x 2.00 mm²

HMS

p: +/- _____ θ(TV): 16.44
From GUI Nearest 0.005

SHMS **NPS**

θ(TV): 35.02 θ = SHMS
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Q1	I-SET (from PSU)	766.5	A
	B-HALL	1.02	T
Q2	I-SET (from PSU)	-617.1	A
	B-HALL	-1.20	T
Q3	I-SET (from PSU)	295.8	A
	B-HALL	0.60	T
D	I-READ	-1909.3	A
	B-NMR	1.62	T
If momentum increased: <input type="checkbox"/> HMS cycled?			

Run Number: 1910	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% rt.l	PS1: <u>1</u> PS2: <u>1</u> PS3: <u>1</u> PS4: <u>1</u> PS5: <u>1</u> PS6: <u>0</u>	Start time (from RC): 14:17 Stop time (from RC): 15:05	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 1.18x10 ⁶ hTRIG5 rate 1026	hTRIG3 rate 438 hTRIG6 rate 732	hTRIG4 rate 2970 <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: LD2 20μA

Events 2.00M Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μA)
 Charge C

Run Number: 1911	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% rt.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): 15:06 Stop time (from RC): 15:34	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 1.12x10 ⁶ hTRIG5 rate 1027	hTRIG3 rate 3960 hTRIG6 rate 747	hTRIG4 rate 2895 <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: LD2 20μA

Events 1.01M Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μA)
 Charge C

Run Number: 1912	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% rt.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>2</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): 15:36 Stop time (from RC):	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 1.15x10 ⁶ hTRIG5 rate 1025	hTRIG3 rate 4047 hTRIG6 rate 689	hTRIG4 rate 1038 <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: LD2 20μA Efficiency run

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μA)
 Charge C

Run Number: 1913	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% rt.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>1</u> PS6: <u>0</u>	Start time (from RC): 16:03 Stop time (from RC): 16:52	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate hTRIG5 rate	hTRIG3 rate hTRIG6 rate	hTRIG4 rate <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: LD2 14μA

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μA)
 Charge C

p(e,e' γ) p Run Sheet

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Date: / /
yy mm dd

Initials:

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: _____ GeV I_{beam}: _____ μ A

Raster: On Off
 Size: _____

HMS
 p: +/- _____ θ (TV): _____
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	mm	mm
Nomin:		Nomin:
3H07C	X	Y
	mm	mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): _____ θ = SHMS _____
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Q1	I-SET (from PSU)	A
	B-HALL	T
Q2	I-SET (from PSU)	A
	B-HALL	T
Q3	I-SET (from PSU)	A
	B-HALL	T
D	I-READ	A
	B-NMR	T
If momentum increased:		
<input type="checkbox"/> HMS cycled?		

Run Number: 1914	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	Start time (from RC): 16:52 Stop time (from RC): 17:42	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 3.19x05 hTRIG5 rate 165.8	hTRIG3 rate 1424.6 hTRIG6 rate 131.1	hTRIG4 rate 1038.8 <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: LD2 7 μ A

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ μ A

Run Number: 1915 1660	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.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?	hTRIG1 rate 1.25x06 hTRIG5 rate 382.5	hTRIG3 rate 1244.2 hTRIG6 rate 3	hTRIG4 rate 953.8 <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: Change to PAIR_THR 250
HEADOUT_THR 250

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ μ A

Run Number: 1916	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	Start time (from RC): 17:53 Stop time (from RC): 18:59	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 1.25x06 hTRIG5 rate 382.5	hTRIG3 rate 1244 hTRIG6 rate 301.9	hTRIG4 rate 953.8 <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 15 μ A

Events 921K Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 2.47 μ A

Run Number: 1917	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	Start time (from RC): 19:09 Stop time (from RC): 19:53	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 5.02x05 hTRIG5 rate 319.3	hTRIG3 rate 2365.1 hTRIG6 rate 261.9	hTRIG4 rate 1795.6 <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 30 μ A

Events 635K Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 4.13 μ A

p(e,e') p Run Sheet

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Date: / / Initials:
 yy mm dd

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

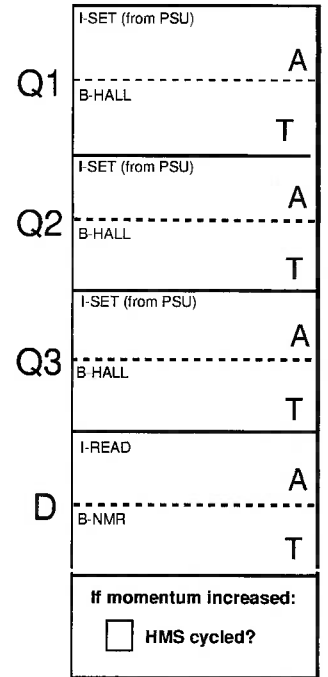
E_{beam}: _____ GeV I_{beam}: _____ μA

Raster: On Off
 Size: _____

HMS
 p: +/- _____ θ(TV): _____
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	mm	mm
Nomin:		Nomin:
3H07C	X	Y
	mm	mm
Nomin:		Nomin:



SHMS **NPS**
 θ(TV): _____ θ = SHMS
Nearest 0.005 **-16.30°** Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: 1918	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	Start time (from RC): 19:59 Stop time (from RC): 20:47	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 5.19x05 hTRIG5 rate 319.8	hTRIG3 rate 2929.1 hTRIG6 rate 258.6	hTRIG4 rate 1829.7 <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 30 μA			Events <u>661 K</u> Charge <u> </u> C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA) 3.87		

Run Number: 1919	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	Start time (from RC): 20:48 Stop time (from RC): 21:36	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 5.03x03 hTRIG5 rate 329.9	hTRIG3 rate 2935.3 hTRIG6 rate 266.0	hTRIG4 rate 1852.2 <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 30 μA			Events <u> </u> Charge <u>666 C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)		

Run Number: 1920	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	Start time (from RC): 21:36 Stop time (from RC): 22:20	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 5.19x05 hTRIG5 rate 335.8	hTRIG3 rate 2930.2 hTRIG6 rate 272.1	hTRIG4 rate 1851.8 <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 30 μA			Events <u>663 K</u> Charge <u> </u> C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)		

Run Number: 1921	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	Start time (from RC): 22:20 Stop time (from RC): 23:01	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 3.02x05 hTRIG5 rate 171.1	hTRIG3 rate 1619.9 hTRIG6 rate 199.6	hTRIG4 rate 1226.8 <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 20 μA			Events <u>390 K</u> Charge <u> </u> C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA) 2.67		

p(e,e') p Run Sheet

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Date: 23 / 10 / 17
yy mm dd

Initials: OPZ

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KmC~~x~~60-3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: _____ GeV I_{beam}: _____ μA

Raster: On Off
 Size: 2x2

HMS
 p: +/- _____ θ(TV): _____
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	mm	mm
Nomin:		Nomin:
3H07C	X	Y
	mm	mm
Nomin:		Nomin:

Q1	I-SET (from PSU)	A
	B-HALL	T
Q2	I-SET (from PSU)	A
	B-HALL	T
Q3	I-SET (from PSU)	A
	B-HALL	T
D	I-READ	A
	B-NMR	T
If momentum increased: <input type="checkbox"/> HMS cycled?		

SHMS **NPS**
 θ(TV): _____ θ = SHMS _____
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current _____

Run Number: 1922
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% rt.l PS5: -1
 _____ PS6: 0

Start time (from RC): 23:03
 Stop time (from RC): 23:50

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate <u>1.91x05</u>	hTRIG3 rate <u>850.8</u>	hTRIG4 rate <u>655.3</u>
hTRIG5 rate <u>85.7</u>	hTRIG6 rate <u>79.9</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: 10 HA

Events 200K Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 1.16 (μA)
 Charge 0 C

Run Number: 1923
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% rt.l PS5: -1
 _____ PS6: 0

Start time (from RC): 21:00:24
 Stop time (from RC): 00:03:52

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate <u>5.56x05</u>	hTRIG3 rate <u>2330.6</u>	hTRIG4 rate <u>1599.9</u>
hTRIG5 rate <u>321.9</u>	hTRIG6 rate <u>237.7</u>	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

Comments: Dumy 30 HA Junk

Events 1923 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μA)
 Charge 0 C

Run Number: 1924
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% rt.l PS5: -1
 _____ PS6: 0

Start time (from RC): 00:22:12
 Stop time (from RC): 00:44:53

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate <u>5.42e5</u>	hTRIG3 rate <u>2378.6</u>	hTRIG4 rate <u>1594.6</u>
hTRIG5 rate <u>303.4</u>	hTRIG6 rate <u>216.2</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: 8 MB/sec

Events 305521 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μA)
 Charge 36.36 C

Run Number: 1925
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% rt.l PS5: -1
 _____ PS6: 0

Start time (from RC): 00:46:31
 Stop time (from RC): 01:07:37

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate <u>1.12e5</u>	hTRIG3 rate <u>653.5</u>	hTRIG4 rate <u>465.0</u>
hTRIG5 rate <u>61.2</u>	hTRIG6 rate <u>54.9</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: 4 MB/sec

Events 69981 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 1.98 (μA)
 Charge 0.33 C

p(e,e') p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 27/10/17
yy mm dd

Initials: DR

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KmC x60-3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 20 μA

Raster: On Off
 Size: 2x2

HMS
 p: +/- 5878 θ(TV): 16.487
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.698</u>	mm	<u>0.306</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.704</u>	mm	<u>0.297</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ(TV): 30.015 θ = SHMS 13.715
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 460A

Q1	I-SET (from PSU)	<u>766.800</u> A
	B-HALL	<u>1.02230</u> T
Q2	I-SET (from PSU)	<u>616.9350</u> A
	B-HALL	<u>-1.20212</u> T
Q3	I-SET (from PSU)	<u>296.2330</u> A
	B-HALL	<u>0.59613</u> T
D	I-READ	<u>1909.3</u> A
	B-NMR	<u>1.62172</u> T
If momentum increased:		<input type="checkbox"/> HMS cycled?

Run Number: 1926
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.i.
 Comments: _____

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

Start time (from RC): 01:18:07
 Stop time (from RC): 01:59:52

Settings Verified? HV OK? 50k OK?

hTRIG1 rate 1.15e6 hTRIG3 rate 4051.4 hTRIG4 rate 2864.0
 hTRIG5 rate 1030.8 hTRIG6 rate 714.9

Events 1.67M Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 4.94 (μA)
 Charge 42.31 C Data ok Junk

40 MB/sec Some LiveTime drops 20μA 1st

Run Number: 1927
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.i.
 Comments: _____

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

Start time (from RC): 02:01:04
 Stop time (from RC): 02:45:23

Settings Verified? HV OK? 50k OK?

hTRIG1 rate 1.17e6 hTRIG3 rate 4066.5 hTRIG4 rate 2874.6
 hTRIG5 rate 1086.5 hTRIG6 rate 4210.6

Events 1.698e70 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μA)
 Charge 42.41 C Data ok Junk

37 MB/sec 20μA 2nd

Run Number: 1928
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.i.
 Comments: _____

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

Start time (from RC): 02:46:42
 Stop time (from RC): 03:36:28

Settings Verified? HV OK? 50k OK?

hTRIG1 rate 1.19e6 hTRIG3 rate 4071.9 hTRIG4 rate 2993.1
 hTRIG5 rate 1051.8 hTRIG6 rate 751.8

Events 1.791221 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 4.84 (μA)
 Charge 43.34 C Data ok Junk

37 MB/sec 20μA 3rd

Run Number: 1929
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.i.
 Comments: _____

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

Start time (from RC): 03:37:49
 Stop time (from RC): 04:23:39

Settings Verified? HV OK? 50k OK?

hTRIG1 rate 1.12e6 hTRIG3 rate 4064.4 hTRIG4 rate 2973.8
 hTRIG5 rate 1024.6 hTRIG6 rate 759.3

Events 1.726046 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 4.91 (μA)
 Charge 41.38 C Data ok Junk

40 MB/sec 20μA 4th

p(e,e') p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/17
yy mm dd

Initials: DPC

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KmC_60_3

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 20 μA

Raster: On Off
Size: 2x2

HMS
p: +/- 5.878 θ(TV): 16.487
From GUI Nearest 0.005

SHMS **NPS**
θ(TV): 30.05 θ = SHMS 13.715
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 460A

Q1	I-SET (from PSU)	A
	B-HALL	T
Q2	I-SET (from PSU)	A
	B-HALL	T
Q3	I-SET (from PSU)	A
	B-HALL	T
D	I-READ	A
	B-NMR	T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Beam position and angle on target:

3H07A	X	Y
<u>1.698</u>	mm	<u>0.306</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.304</u>	mm	<u>0.297</u> mm
Nomin:		Nomin:

Run Number: 1930

LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.

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

Start time (from RC): 04:25:06
Stop time (from RC): 05:05:

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 1.13e6 hTRIG3 rate: 4213.6 hTRIG4 rate: 2960.1
hTRIG5 rate: 987.7 hTRIG6 rate: 747.2

Data ok
 Junk

Comments: 39MB/seq

Events 1764707 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 4.96 (μA)
Charge 43.14 C

Run Number: 1931

LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.

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

Start time (from RC): 05:06:39
Stop time (from RC): 05:48:58

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 1.12e6 hTRIG3 rate: 4029.8 hTRIG4 rate: 2837.2
hTRIG5 rate: 990.8 hTRIG6 rate: 770.2

Data ok
 Junk

Comments: 2μA 3rd

Events 1805646 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 4.79 (μA)
Charge 44.91 C

Run Number: 1932

LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.

PS1: -1 PS2: -1 PS3: 3 PS4: -1 PS5: -1 PS6: -1

Start time (from RC): 5:50:43
Stop time (from RC): 6:11:34

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 1.13e6 hTRIG3 rate: 3928.5 hTRIG4 rate: 2867.1
hTRIG5 rate: 990.2 hTRIG6 rate: 754.1

Data ok
 Junk

Comments: 35MB/s Efficiency 20μA

Events 906428 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 4.89 (μA)
Charge 20.46 C

Run Number: 1933

LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.

PS1: -1 PS2: -1 PS3: 4 PS4: -1 PS5: -1 PS6: -1

Start time (from RC): 06:15:23
Stop time (from RC): 06:36:17

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 1.08e6 hTRIG3 rate: 4098.6 hTRIG4 rate: 2884.6
hTRIG5 rate: 1027.8 hTRIG6 rate: 784.7

Data ok
 Junk

Comments: 1st = 4 ~~35MB/s~~ space off 20μA 110MB/seq LiveTime 100% clean.

Events 530022 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 4.93 (μA)
Charge 21.77 C

$p(e, e' \gamma) p$ Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23 / 10 / 17
yy mm dd

Initials: MP

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
K_{α1} x 60-3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV **I_{beam}:** 30 μA

Raster: On Off
Size: 2x2

HMS
p: +/- 5.878 **θ(TV):** 16.487
From GUI Nearest 0.005

SHMS **NPS**
θ(TV): 30.015 **θ = SHMS** 13.75
Nearest 0.005 -16.30° Nearest 0.005

Collimator: **HMS: Large** **Sieve** **NPS Sweep Current** 459.8

Q1	I-SET (from PSU) <u>766.99</u>	A
	B-HALL <u>1.021</u>	T
Q2	I-SET (from PSU) <u>616.955</u>	A
	B-HALL <u>-1.2044</u>	T
Q3	I-SET (from PSU) <u>296.233</u>	A
	B-HALL <u>0.59623</u>	T
D	I-READ <u>1909.3</u>	A
	B-NMR <u>1.62172</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Beam position and angle on target:

3H07A	X	Y
<u>1.690</u>	mm	<u>0.301</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.712</u>	mm	<u>0.286</u> mm
Nomin:		Nomin:

Run Number: 1934
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.1 PS5: -1
 _____ PS6: 0

Start time (from RC): 06:44:24 Settings Verified?
Stop time (from RC): 07:25:10 HV OK?
 50k OK?

hTRIG1 rate: 4.89e5 **hTRIG3 rate:** 2579.8 **hTRIG4 rate:** 1929.6
hTRIG5 rate: 362.6 **hTRIG6 rate:** 270.1 Data ok
 Junk

Comments: ~8 MB/sec 1/4 30 μA 1st
Events: 580895 **Active trigger LiveTime fraction (NPS Scaler Gui):** _____ **Max NPS anode current (single crystal):** 4.27 (μA)
Charge: 59.92C

Run Number: 1935
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.1 PS5: -1
 _____ PS6: 0

Start time (from RC): 06:44:24 Settings Verified?
Stop time (from RC): 08:10.5 HV OK?
 50k OK?

hTRIG1 rate: 4.83e5 **hTRIG3 rate:** 2434.3 **hTRIG4 rate:** 1880.7
hTRIG5 rate: 320.7 **hTRIG6 rate:** 259.4 Data ok
 Junk

Comments: 8 MB/sec 2/4 30 μA 2nd
Events: 608K **Active trigger LiveTime fraction (NPS Scaler Gui):** _____ **Max NPS anode current (single crystal):** 4.16 (μA)
Charge: C

Run Number: 1936
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.1 PS5: -1
 _____ PS6: 0

Start time (from RC): 08:11 Settings Verified?
Stop time (from RC): 08:56 HV OK?
 50k OK?

hTRIG1 rate: 4.94x10⁵ **hTRIG3 rate:** 2472 **hTRIG4 rate:** 1860
hTRIG5 rate: 331 **hTRIG6 rate:** 266 Data ok
 Junk

Comments: 30 μA 3/4
Events: 624K **Active trigger LiveTime fraction (NPS Scaler Gui):** 99.9% **Max NPS anode current (single crystal):** 4.14 (μA)
Charge: C

Run Number: 1937
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.1 PS5: -1
 _____ PS6: 0

Start time (from RC): 08:57 Settings Verified?
Stop time (from RC): 09:41 HV OK?
 50k OK?

hTRIG1 rate: 4.93x10⁵ **hTRIG3 rate:** 2430 **hTRIG4 rate:** 1806
hTRIG5 rate: 345 **hTRIG6 rate:** 274 Data ok
 Junk

Comments: 30 μA 4/4
Events: 636K **Active trigger LiveTime fraction (NPS Scaler Gui):** 100% **Max NPS anode current (single crystal):** 4.52 (μA)
Charge: C

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23 / 10 / 17
yy mm dd

Initials: NJC

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
kin C_x60_3

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

Q1	I-SET (from PSU)	766.5	A
	B-HALL	1.02	T
Q2	I-SET (from PSU)	-617.1	A
	B-HALL	-1.20	T
Q3	I-SET (from PSU)	295.8	A
	B-HALL	0.60	T
D	I-READ	-1909.5	A
	B-NMR	1.62	T
If momentum increased: <input type="checkbox"/> HMS cycled?			

E_{beam}: 10.5 GeV I_{beam}: 30 μ A

Raster: On Off
Size: 2x2

HMS
p: +5.5878 θ (TV): 16.485
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm	<u>0.3</u> mm	
Nomin:	Nomin:	
3H07C	X	Y
<u>0.7</u> mm	<u>0.3</u> mm	
Nomin:	Nomin:	

SHMS **NPS**
 θ (TV): 30.815 θ = SHMS 13.715
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: 1938
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 2
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
 PS6: 0

Start time (from RC): 09:43
Stop time (from RC): 10:04

Settings Verified?
HV OK?
50k OK?

hTRIG1 rate: 4.99x10⁵ hTRIG3 rate: 2441 hTRIG4 rate: 1862
hTRIG5 rate: 338 hTRIG6 rate: 269

Data ok Junk

Comments: Efficiency Run

Events 1.1M Active trigger LiveTime fraction (NPS Scaler Gui) 384% Max NPS anode current (single crystal) 4.28 (μ A)
Charge C

Run Number: 1940
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 2
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
 PS6: -1

Start time (from RC): 17:00:22
Stop time (from RC): 17:01:51

Settings Verified?
HV OK?
50k OK?

hTRIG1 rate: 730k hTRIG3 rate: 2485.1 hTRIG4 rate: 1854.7
hTRIG5 rate: 424.9 hTRIG6 rate: 320.9

Data ok Junk

Comments: beam tripped in 1 min

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μ A)
Charge C

Run Number: 1941
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 2
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
 PS6: -1

Start time (from RC): 17:18:37
Stop time (from RC): 17:44:36

Settings Verified?
HV OK?
50k OK?

hTRIG1 rate: 730k hTRIG3 rate: 2485.1 hTRIG4 rate: 1854.7
hTRIG5 rate: 424.9 hTRIG6 rate: 320.9

Data ok Junk

Comments: 30 μ A, efficiency run, NPS sweeper = ON
*Wassim loaded new gain factor!!

Events 1052k Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 4.29 (μ A)
Charge 36.4mC

Run Number: 1942
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 3
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
 PS6: -1

Start time (from RC): 17:49:07
Stop time (from RC): 18:17:49

Settings Verified?
HV OK?
50k OK?

hTRIG1 rate: 704k hTRIG3 rate: 2439.6 hTRIG4 rate: 1851.4
hTRIG5 rate: 388.4 hTRIG6 rate: 303.4

Data ok Junk

Comments: 30 μ A, production run, sparse = off
NPS sweeper = ON

Events 699k Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 3.72 (μ A)
Charge 40.15mC

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: / / Initials:
 yy mm dd

Use a separate sheet for each configuration.

HMS

Configuration Name: KinC-x60-3

coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other:

Q1	I-SET (from PSU)	766.94	A
	B-HALL	1.01900	T
Q2	I-SET (from PSU)	616.88	A
	B-HALL	-1.20359	T
Q3	I-SET (from PSU)	296.34	A
	B-HALL	0.59718	T
D	I-READ	1911.93	A
	B-NMR	1.62172	T

If momentum increased:
 HMS cycled?

E_{beam}: 10.537 GeV I_{beam}: 30 μ A

Raster: On Off
 Size: 2x2 mm²

HMS
 p: +10 5.878 θ (TV): 16.47
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.69</u>	mm	<u>0.29</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.29</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 35.015 θ = SHMS 13.715
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 467.93

Run Number: 1943

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0

Start time (from RC): 18:40:25
 Stop time (from RC): 19:11:08

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 723k hTRIG3 rate: 2263.4 hTRIG4 rate: 1500.7
 hTRIG5 rate: 355.2 hTRIG6 rate: 253.0

Data ok
 Junk

Comments: sparse = on, 30 μ A, NPS sweeper = ON

Events 349k Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) 3.68 (μ A)
 Charge 40.03mC

Run Number: 1944

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0

Start time (from RC): 19:13:12
 Stop time (from RC): 19:37:58

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 145k hTRIG3 rate: 575.6 hTRIG4 rate: 390.5
 hTRIG5 rate: 30.0 hTRIG6 rate: 21.8

Data ok
 Junk

Comments: 8 μ A, sparse = on, NPS sweeper = ON

Events 29k Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 1.44 (μ A)
 Charge 10.31mC

Run Number: 1945

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0

Start time (from RC): 19:53:12
 Stop time (from RC): 20:46:10

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 149k hTRIG3 rate: 3964.4 hTRIG4 rate: 2826.8
 hTRIG5 rate: 1207.4 hTRIG6 rate: 876.1

Data ok
 Junk

Comments: 20 μ A, sparse = on, NPS sweeper = ON

Events 2310k Active trigger LiveTime fraction (NPS Scaler Gui) 98.81% Max NPS anode current (single crystal) 4.78 (μ A)
 Charge 47.87mC

Run Number: 1946

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0

Start time (from RC): 20:47:31
 Stop time (from RC): 21:32:57

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 146k hTRIG3 rate: 4050.5 hTRIG4 rate: 2893.8
 hTRIG5 rate: 1256.5 hTRIG6 rate: 915.3

Data ok
 Junk

Comments: 20 μ A, sparse = on, NPS sweeper = ON

Events 2007k Active trigger LiveTime fraction (NPS Scaler Gui) 98.972% Max NPS anode current (single crystal) 5.00 (μ A)
 Charge 41.51mC



p(e,e') p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23 / 10 / 17/18
 yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KinC-x60-3

coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

Q1	I-SET (from PSU)	766.94	A
	B-HALL	1.0211	T
Q2	I-SET (from PSU)	616.88	A
	B-HALL	-1.20074	T
Q3	I-SET (from PSU)	296.34	A
	B-HALL	0.60032	T
D	I-READ	1911.93	A
	B-NMR	1.62172	T
If momentum increased: <input type="checkbox"/> HMS cycled?			

E_{beam}: 10.537 GeV I_{beam}: 19.47 μA

Raster: On Off
 Size: 2x2 mm²

HMS
 p: +5.898 θ(TV): 16.47
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.699</u> mm		<u>0.29</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.9</u> mm		<u>0.29</u> mm
Nomin:		Nomin:

SHMS
 θ(TV): 35.015
Nearest 0.005

NPS
 θ = SHMS 13.715
 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 467.933

Run Number: 1947

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
 _____ PS6: 0

Start time (from RC): 21:34:20 Stop time (from RC): 22:26:56

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 145k hTRIG3 rate: 3996.4 hTRIG4 rate: 2842.8
 hTRIG5 rate: 1241.1 hTRIG6 rate: 889.4

Data ok
 Junk

Comments: 20 μA, sparse = ON, NPS sweeper = ON

Events 2281k Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 4.8 (μA)
 Charge 49.85nC

Run Number: 1948

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
 _____ PS6: 0

Start time (from RC): 22:28:26 Stop time (from RC): 23:11:55

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 144k hTRIG3 rate: 4020.1 hTRIG4 rate: 2884.9
 hTRIG5 rate: 1228.2 hTRIG6 rate: 839.5

Data ok
 Junk

Comments: 20 μA, sparse = ON, NPS sweeper = ON

Events 2124k Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 4.63 (μA)
 Charge 44.48nC

Run Number: 1949

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
 _____ PS6: 0

Start time (from RC): 23:16:23 Stop time (from RC): 23:57:17

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 140k hTRIG3 rate: 3890.4 hTRIG4 rate: 2781.6
 hTRIG5 rate: 1150.3 hTRIG6 rate: 844.4

Data ok
 Junk

Comments: 20 μA, sparse = ON, NPS sweeper = ON

Events 2017k Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 5.05 (μA)
 Charge 42.51nC

Run Number: 1950

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
 _____ PS6: 0

Start time (from RC): 23:58:11 Stop time (from RC): 00:45:00

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 142k hTRIG3 rate: 4064.9 hTRIG4 rate: 2946.4
 hTRIG5 rate: 1262.2 hTRIG6 rate: 929.3

Data ok
 Junk

Comments: 20 μA, sparse = ON, NPS sweeper = ON

Events 2201k Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 4.28 (μA)
 Charge 47.1nC

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/18
yy mm dd

Initials: MND

Use a separate sheet for each configuration.

HMS

Configuration Name: kin C x 60-3

coin_sparse
 coin

Purpose:

Production
 Test
 Optics
 Other: _____

Q1	I-SET (from PSU) <u>766.94</u> A
	B-HALL <u>1.0211</u> T
Q2	I-SET (from PSU) <u>616.88</u> A
	B-HALL <u>-1.20088</u> T
Q3	I-SET (from PSU) <u>295.8</u> A
	B-HALL <u>0.60031</u> T
D	I-READ <u>1909.3</u> A
	B-NMR <u>124.93</u> ^{1.62091} T

If momentum increased:
 HMS cycled?

E_{beam}: 10.537 GeV I_{beam}: 19.48 μ A

Raster: On Off
Size: 2x2 mm²

HMS

p: + θ 5.898 θ (TV): 16.48
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.709</u> mm		<u>0.309</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.29</u> mm
Nomin:		Nomin:

SHMS **NPS**

θ (TV): 35.615 θ = SHMS 13.915
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 458.960

Run Number: 1951

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.i.

PS1: -1 PS2: -1 PS3: 3 PS4: -1 PS5: -1 PS6: -1

Start time (from RC): 00:46:44 Stop time (from RC): 01:09:36

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 145K hTRIG3 rate: 4197 hTRIG4 rate: 2986.4

hTRIG5 rate: 1314 hTRIG6 rate: 943.9

Data ok Junk

Comments: Efficiently run on LD2 target; 20 μ A, Sparse = ON, NPS Sweeper = ON, ps3 = 3

Events 218K Charge 24.20C Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 5.21 (μ A)

Run Number: 1952

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.i.

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

Start time (from RC): 01:11:54 Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 940K hTRIG3 rate: 2796.1 hTRIG4 rate: 1960

hTRIG5 rate: 585 hTRIG6 rate: 458

Data ok Junk

Comments: 14 μ A, Sparse = ON, NPS Sweeper = ON, ps6 = 0

Events 1191K Charge 36.9mC Active trigger LiveTime fraction (NPS Scaler Gui) 99.96% Max NPS anode current (single crystal) 3.48 (μ A)

Run Number: 1953

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.i.

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

Start time (from RC): 02:01:00 Stop time (from RC): 03:15:20

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 400K hTRIG3 rate: 1367 hTRIG4 rate: 989

hTRIG5 rate: 160 hTRIG6 rate: 114

Data ok Junk

Comments: 7 μ A, Sparse = ON, NPS Sweeper = ON, ps6 = 0 - Beam tripped \approx 10 minutes

Events 410K Charge 21.21mC Active trigger LiveTime fraction (NPS Scaler Gui) 99.99% Max NPS anode current (single crystal) 2.01 (μ A)

Run Number: 1954

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.i.

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

Start time (from RC): 03:25:12 Stop time (from RC): 04:07:10

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 665K hTRIG3 rate: 2454 hTRIG4 rate: 1859

hTRIG5 rate: 407 hTRIG6 rate: 323

Data ok Junk

Comments: 30 μ A on LH2, Sparse = ON, NPS Sweeper = ON, ps6 = 0

Events 716K Charge 60.54mC Active trigger LiveTime fraction (NPS Scaler Gui) 99.99% Max NPS anode current (single crystal) 4.25 (μ A)

p(e,e') p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/18
yy mm dd

Initials: MD

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KinC-X60-3

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.537 GeV I_{beam}: 29.3 μA

Raster: On Off
Size: 2x2 mm²

HMS
p: +5.898 θ(TV): 16.48
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.695</u>	mm	<u>0.2911</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7030</u>	mm	<u>0.3156</u> mm
Nomin:		Nomin:

SHMS **NPS**
θ(TV): 35.015 θ = SHMS 13.915
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Q1	I-SET (from PSU) <u>766.5</u> A
	B-HALL <u>1.0209</u> T
Q2	I-SET (from PSU) <u>617.1</u> A
	B-HALL <u>-1.20188</u> T
Q3	I-SET (from PSU) <u>295.8</u> A
	B-HALL <u>0.60031</u> T
D	I-READ <u>1909.3</u> A
	B-NMR <u>1.62071</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 1955

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 _____ PS6: 0

Start time (from RC): 04:07:50
Stop time (from RC): 05:00:00

Settings Verified? hTRIG1 rate: 674K
 HV OK? hTRIG3 rate: 2552
 50k OK? hTRIG4 rate: 1946
hTRIG5 rate: 404 hTRIG6 rate: 320

Data ok? Junk

Comments: 30μA, Sparse = ON, NPS Sweeper = ON, ps6=0, ROC 5 LOST CONNECTION @ END OF RUN 1955 -> NO END SCREEN.

Events 955K Active trigger LiveTime fraction (NPS Scaler Gui) 99.99% Max NPS anode current (single crystal) 4.30 (μA)
Charge C

Run Number: 1956

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 _____ PS6: 0

Start time (from RC): 05:05:12
Stop time (from RC): 05:59:00

Settings Verified? hTRIG1 rate: 674K
 HV OK? hTRIG3 rate: 2473
 50k OK? hTRIG4 rate: 1888
hTRIG5 rate: 423 hTRIG6 rate: 336

Data ok Junk

Comments: 30μA, Sparse = ON, NPS Sweeper = ON, ps6=0, beam energy drift.

Events 840K Active trigger LiveTime fraction (NPS Scaler Gui) 99.99% Max NPS anode current (single crystal) 5.1 (μA)
Charge 69.73 MC

Run Number: 1957

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 _____ PS6: 0

Start time (from RC): 06:00:00
Stop time (from RC): 07:15:00

Settings Verified? hTRIG1 rate: 666K
 HV OK? hTRIG3 rate: 2519
 50k OK? hTRIG4 rate: 1915
hTRIG5 rate: 401 hTRIG6 rate: 323

Data ok Junk

Comments: 30μA, Sparse = ON, NPS Sweeper = ON

Events 1372K Active trigger LiveTime fraction (NPS Scaler Gui) 99.99% Max NPS anode current (single crystal) 4.41 (μA)
Charge 69.76 MC

Run Number: 1958

LH2 10cm PS1: _____
 LD2 10cm PS2: _____
 Dummy 10cm PS3: _____
 Optics#1 8cm PS4: _____
 C 0.5% r.l.l PS5: _____
 _____ PS6: _____

Start time (from RC): _____
Stop time (from RC): _____

Settings Verified? hTRIG1 rate: _____
 HV OK? hTRIG3 rate: _____
 50k OK? hTRIG4 rate: _____
hTRIG5 rate: _____ hTRIG6 rate: _____

Data ok Junk

Comments: _____

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μA)
Charge _____ C

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: ___/___/___
yy mm dd

Initials: _____

HMS

Configuration Name: _____

coin_sparse

coin

Purpose:

Production

Test

Optics

Other: _____

E_{beam}: _____ GeV

I_{beam}: _____ μA

Raster: On Off

Size: _____

HMS

p: +/- _____ θ(TV): _____

From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	mm	mm
Nomin:		Nomin:
3H07C	X	Y
	mm	mm
Nomin:		Nomin:

SHMS

θ(TV): _____

Nearest 0.005

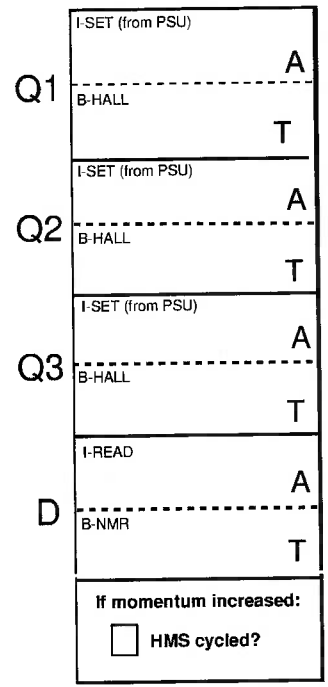
NPS

θ = SHMS **-16.30°**

Nearest 0.005

Collimator: HMS: Large Sieve

NPS Sweep Current _____



Run Number: 1959

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l

PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____

Start time (from RC): _____ Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

hTRIG1 rate _____ hTRIG3 rate _____ hTRIG4 rate _____

hTRIG5 rate _____ hTRIG6 rate _____ Data ok Junk

Comments: Junk

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μA)

Run Number: 1960

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l Carbon hole

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

Start time (from RC): 22:39 Stop time (from RC): 22:41

Settings Verified? HV OK? 50k OK?

hTRIG1 rate _____ hTRIG3 rate _____ hTRIG4 rate _____

hTRIG5 rate _____ hTRIG6 rate _____ Data ok Junk

Comments: Junk

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μA)

Run Number: 1961

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l

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

Start time (from RC): 22:43 Stop time (from RC): 22:58

Settings Verified? HV OK? 50k OK?

hTRIG1 rate _____ hTRIG3 rate _____ hTRIG4 rate _____

hTRIG5 rate _____ hTRIG6 rate _____ Data ok Junk

Comments: _____

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) ~~0.90~~ (μA)

Run Number: 1962

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l

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

Start time (from RC): 23:09 Stop time (from RC): 23:37

Settings Verified? HV OK? 50k OK?

hTRIG1 rate 37089.8 hTRIG3 rate 527.1 hTRIG4 rate 280.3

hTRIG5 rate 44.0 hTRIG6 rate 42.0 Data ok Junk

Comments: Optics

Events 310K Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 0.90 (μA)

$p(e, e'\gamma) p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23 10 19
yy mm dd

Initials: M.D

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse
 coin

E_{beam} : 10.54 GeV I_{beam} : 30 μA

HMS
 p : +/- _____ $\theta(TV)$: 12.37
From GUI Nearest 0.005

SHMS $\theta(TV)$: -32.26
Nearest 0.005

NPS $\theta = SHMS$
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: 2 x 2 mm²

Beam position and angle on target:

3H07A	X	Y
	mm	mm
Nomin:		Nomin:
3H07C	X	Y
	mm	mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>798.5</u>	A
	B-HALL	T
Q2	I-SET (from PSU) <u>646.2</u>	A
	B-HALL	T
Q3	I-SET (from PSU) <u>307.8</u>	A
	B-HALL	T
D	I-READ <u>2025.4</u>	A
	B-NMR	T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: 1963

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.i

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

Start time (from RC): 04:34:20 Stop time (from RC): 05:03:45

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
hTRIG5 rate: _____ hTRIG6 rate: _____

Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal) (μA): _____

Events 407K Charge C

Comments: 30 μA , Optics; $\psi_4 = 0$, NPS = OFF Sweep
JUNK - BEAM LASTED 1 MINUTE

Data ok Junk

Run Number: 1964

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.i

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

Start time (from RC): 05:37:15 Stop time (from RC): 06:04:20

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 36933 hTRIG3 rate: 530 hTRIG4 rate: 283
hTRIG5 rate: 45 hTRIG6 rate: 42

Active trigger LiveTime fraction (NPS Scaler Gui): 100% Max NPS anode current (single crystal) (μA): N/A

Events 407K Charge 39.99m C

Comments: Optics, 30 μA , $\psi_4 = 0$, NPS Sweep = "OFF"

Data ok Junk

Run Number: 1965

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.i

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

Start time (from RC): 06:11:28 Stop time (from RC): 06:52:02

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 17864 hTRIG3 rate: 287 hTRIG4 rate: 170
hTRIG5 rate: 42 hTRIG6 rate: 40

Active trigger LiveTime fraction (NPS Scaler Gui): 100% Max NPS anode current (single crystal) (μA): N/A

Events 277K Charge 38.11m C

Comments: Run stopped to allow HALL A to insert 1/2 wave plate in: Optics, 30 μA , $\psi_4 = 0$, NPS Sweep = "OFF"

Data ok Junk

Run Number: 1966

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.i

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

Start time (from RC): 06:59:45 Stop time (from RC): 07:39:23

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 18293 hTRIG3 rate: 291 hTRIG4 rate: 168
hTRIG5 rate: 42 hTRIG6 rate: 41

Active trigger LiveTime fraction (NPS Scaler Gui): 100% Max NPS anode current (single crystal) (μA): N/A

Events 351K Charge 55.87m C

Comments: 30 μA , $\psi_4 = 0$, NPS Sweep = "OFF"

Data ok Junk

p(e,e'γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/19
yy mm dd

Initials: M, D

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KinC_x36-3Kin
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 30 μA

Raster: On Off
 Size: 2x2 mm²

HMS
 p: 6.17 θ(TV): 12.37
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

SHMS
 θ(TV): -32.26
Nearest 0.005

NPS
 θ = SHMS -16.30°
Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Q1	I-SET (from PSU) <u>798.6</u> A
	B-HALL <u>1.063</u> T
Q2	I-SET (from PSU) <u>-646.2</u> A
	B-HALL <u>-1.257</u> T
Q3	I-SET (from PSU) <u>307.8</u> A
	B-HALL <u>0.626</u> T
D	I-READ <u>-2025.4</u> A
	B-NMR <u>1.692</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 1967
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
 Comments: 30μA, ps4=0, NPS sweeper = ON

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

Start time (from RC): 07:43:14 Stop time (from RC): 08:36:54

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 17932 hTRIG3 rate: 285 hTRIG4 rate: 162
 hTRIG5 rate: 42 hTRIG6 rate: 40

Events 48K Active trigger LiveTime fraction (NPS Scaler Gui) 0.00% Max NPS anode current (single crystal) 0.27 (μA)
 Charge C

Run Number: ~~1968~~
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
 Comments: _____

PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____

Start time (from RC): _____ Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
 hTRIG5 rate: _____ hTRIG6 rate: _____

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μA)
 Charge _____ C

Run Number: _____
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
 Comments: _____

PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____

Start time (from RC): _____ Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
 hTRIG5 rate: _____ hTRIG6 rate: _____

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μA)
 Charge _____ C

Run Number: _____
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
 Comments: _____

PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____

Start time (from RC): _____ Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
 hTRIG5 rate: _____ hTRIG6 rate: _____

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μA)
 Charge _____ C

p(e,e'γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 13/10/19
yy mm dd

Initials: JR

Use a separate sheet for each configuration.

HMS

Configuration Name: 3 5 Pass Elastic

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: Elastic 5-Pass

E_{beam}: 10.5 GeV I_{beam}: 30 μA

Raster: On Off
Size: 2x2

Q1	I-SET (from PSU) <u>532.45</u> A
	B-HALL <u>-0.717</u> T
Q2	I SET (from PSU) <u>423.36</u> A
	B-HALL <u>0.905</u> T
Q3	I SET (from PSU) <u>205.84</u> A
	B-HALL <u>-0.418</u> T
D	I-READ <u>1254.30</u> A
	B-NMR <u>1.622</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

HMS
PS: 4.067 θ(TV): 29.855
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.73</u> mm		<u>0.28</u> mm
Nomin: <u>1.7</u>		Nomin: <u>0.3</u>
3H07C	X	Y
<u>0.69</u> mm		<u>0.31</u> mm
Nomin: <u>0.7</u>		Nomin: <u>0.3</u>

SHMS NPS
θ(TV): _____ θ = SHMS -16.30°
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: 1968
1969

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 0
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
 PS6: -1

Start time (from RC): 12:54
Stop time (from RC): 13:55

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 1.86x10⁵ hTRIG3 rate: 122.8 hTRIG4 rate: 46.6
hTRIG5 rate: 51.4 hTRIG6 rate: 43.3

Events 408K Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal): 6.20 (μA)
Charge C

Comments: Elastic HMS 29.86° → 1968 Junk 1/2 (Labelled Optics) NPS block 734 not registering

Run Number: 1970

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 0
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
 PS6: -1

Start time (from RC): 13:56
Stop time (from RC): 14:22

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 1.90x10⁵ hTRIG3 rate: 131.8 hTRIG4 rate: 43.7
hTRIG5 rate: 51.2 hTRIG6 rate: 41.5

Events 158K Active trigger LiveTime fraction (NPS Scaler Gui): 100% Max NPS anode current (single crystal): _____ (μA)
Charge C

Comments: Elastic HMS 29.86° 2/2 Went to controlled access 734 not registering

Run Number: 1971

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 0
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: 0
 PS6: -1

Start time (from RC): 16:01
Stop time (from RC): 16:33

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 2x10⁵ hTRIG3 rate: 130 hTRIG4 rate: 40
hTRIG5 rate: ~50 hTRIG6 rate: 40

Events 750K Active trigger LiveTime fraction (NPS Scaler Gui): 100% Max NPS anode current (single crystal): 4.8 (μA)
Charge 36.09 mC

Comments: Elastic HMS 29.86° 1/2 PS5=0 beginning SHMS = 32.28

Run Number: 1972

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: 0
 PS6: -1

Start time (from RC): 16:40
Stop time (from RC): 17:09

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 2.6x10⁵ hTRIG3 rate: 133 hTRIG4 rate: 45.7
hTRIG5 rate: 53.7 hTRIG6 rate: 40.5

Events 869K Active trigger LiveTime fraction (NPS Scaler Gui): 100% Max NPS anode current (single crystal): 4.8 (μA)
Charge 37.75 mC

Comments: Elastic HMS 29.86° PS 5=0 SHMS = 31.19

Also full replay done.

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/19
yy mm dd

Initials: JPC

Use a separate sheet for each configuration.

HMS

Configuration Name: 5 pass Elastics
 coin_sparse
 coin

Purpose:

- Production
 Test
 Optics
 Other: 5 pass Elastic

E_{beam}: 10.5 GeV I_{beam}: 30 μ A

Raster: On Off
 Size: 2x2

HMS
 p: 0-4.087 θ (TV): 29.86
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	1.7 mm	Y	6.3 mm
Nomin:			Nomin:	
3H07C	X	0.7 mm	Y	0.3 mm
Nomin:			Nomin:	

SHMS
 θ (TV): 33.48
Nearest 0.005

NPS
 θ = SHMS 17.18
-16.30°
Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 0

Q1	I-SET (from PSU)	<u>532.46</u>	A
	B-HALL	<u>-0.7174</u>	T
Q2	I-SET (from PSU)	<u>423.36</u>	A
	B-HALL	<u>0.90276</u>	T
Q3	I-SET (from PSU)	<u>206.83</u>	A
	B-HALL	<u>-0.492</u>	T
D	I READ	<u>1254.33</u>	A
	B-NMR	<u>N/A</u>	T
If momentum increased: <input checked="" type="checkbox"/> HMS cycled?			

Run Number: 1973
 LH2 10cm PS1: -
 LD2 10cm PS2: -
 Dummy 10cm PS3: -
 Optics#1 8cm PS4: -
 C 0.5% r.l. PS5: 0
 PS6: -

Start time (from RC): 17:16 Settings Verified?
 Stop time (from RC): 17:48 HV OK?
 50k OK?

hTRIG1 rate: 1.4x10⁵ hTRIG3 rate: 126 hTRIG4 rate: 45
 hTRIG5 rate: 48 hTRIG6 rate: 43 Data ok
 Junk

Comments: 5 pass elastic HMS = 29.86
SHMS = 33.48 did full replay
 Events 93K Active trigger LiveTime fraction (NPS Scaler Gui) 100%
 Charge 46.91nC Max NPS anode current (single crystal) 4.8 (μ A)

Run Number: 1974
 LH2 10cm PS1: -
 LD2 10cm PS2: -
 Dummy 10cm PS3: -
 Optics#1 8cm PS4: -
 C 0.5% r.l. PS5: 0
 PS6: -

Start time (from RC): 17:49 Settings Verified?
 Stop time (from RC): 19:07 HV OK?
 50k OK?

hTRIG1 rate: 1.38x10⁵ hTRIG3 rate: 129 hTRIG4 rate: 46
 hTRIG5 rate: 51.7 hTRIG6 rate: 42 Data ok
 Junk

Comments: 5 pass elastic, HMS = 29.86
SHMS = 33.48 full replay
 Events 221K Active trigger LiveTime fraction (NPS Scaler Gui) 100%
 Charge 98.78nC Max NPS anode current (single crystal) 4.7 (μ A)

Run Number: 1975
 LH2 10cm PS1: -
 LD2 10cm PS2: -
 Dummy 10cm PS3: -
 Optics#1 8cm PS4: -
 C 0.5% r.l. PS5: 0
 PS6: -

Start time (from RC): 19:08 Settings Verified?
 Stop time (from RC): 20:08 HV OK?
 50k OK?

hTRIG1 rate: 1.4x10⁵ hTRIG3 rate: 122 hTRIG4 rate: 45
 hTRIG5 rate: 49 hTRIG6 rate: 41 Data ok
 Junk

Comments: Same as 1974 full replay
 Events 173K Active trigger LiveTime fraction (NPS Scaler Gui) 100%
 Charge 82.13nC Max NPS anode current (single crystal) 4.7 (μ A)

Run Number: 1976
 LH2 10cm PS1: -
 LD2 10cm PS2: -
 Dummy 10cm PS3: -
 Optics#1 8cm PS4: -
 C 0.5% r.l. PS5: 0
 PS6: -

Start time (from RC): 20:09 Settings Verified?
 Stop time (from RC): 21:16 HV OK?
 50k OK?

hTRIG1 rate: 1.4x10⁵ hTRIG3 rate: 119 hTRIG4 rate: 45
 hTRIG5 rate: 47 hTRIG6 rate: 42 Data ok
 Junk

Comments: Same as 1974. 1L25 down near the end.
Full replay.
 Events 178K Active trigger LiveTime fraction (NPS Scaler Gui) 100%
 Charge 7.10C Max NPS anode current (single crystal) 4.7 (μ A)

p(e,e') p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/09
yy mm dd

Initials: JRC

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
5 pass elastic

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: *5 pass elastic*

E_{beam}: 10.5 GeV I_{beam}: 30 μA

Raster: On Off
Size: 2x2

HMS
p: (+) 4.078 θ(TV): 29.86
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU)	<u>532.45</u> A
	B-HALL	<u>-0.71980</u> T
Q2	I-SET (from PSU)	<u>423.35</u> A
	B-HALL	<u>0.90342</u> T
Q3	I-SET (from PSU)	<u>206.84</u> A
	B-HALL	<u>-0.42876</u> T
D	I-READ	<u>1254.30</u> A
	B-NMR	<u>N/A</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?		

SHMS **NPS**
θ(TV): 32.28 θ = SHMS 15.98
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 0

Run Number: <u>1977</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</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>03:02:52</u> Stop time (from RC): <u>03:53:19</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.9x10⁵</u> hTRIG5 rate <u>50</u>	hTRIG3 rate <u>128</u> hTRIG6 rate <u>43</u>	hTRIG4 rate <u>45</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk	Events <u>152k</u> Charge <u>7329 mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μA) <u>5.4</u>
Comments: <u>5-pass elastic 30μA</u> <u>HMS 29.86° SHMS 32.28° full replay done</u>										

Run Number: <u>1978</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</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>03:54:46</u> Stop time (from RC): <u>04:45:40</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.9x10⁵</u> hTRIG5 rate <u>52</u>	hTRIG3 rate <u>120</u> hTRIG6 rate <u>41</u>	hTRIG4 rate <u>45</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk	Events <u>150k</u> Charge <u>6441 mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μA) <u>4.9</u>
Comments: <u>5-pass elastic 30μA</u> <u>HMS 29.86° SHMS 32.28° full replay done</u>										

Run Number: <u>1979</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</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>04:46:29</u> Stop time (from RC): <u>05:44:57</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.9x10⁵</u> hTRIG5 rate <u>52</u>	hTRIG3 rate <u>121</u> hTRIG6 rate <u>43</u>	hTRIG4 rate <u>44</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk	Events <u>169k</u> Charge <u>6695 mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μA) <u>5.6</u>
Comments: <u>5-pass elastic 30μA</u> <u>HMS 29.86° SHMS 32.28° full replay done</u>										

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.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?	hTRIG1 rate _____ hTRIG5 rate _____	hTRIG3 rate _____ hTRIG6 rate _____	hTRIG4 rate _____ <input type="checkbox"/> Data ok <input type="checkbox"/> Junk	Events _____ Charge _____ mC	Active trigger LiveTime fraction (NPS Scaler Gui) _____	Max NPS anode current (single crystal) (μA) _____
Comments:										

(e,e') p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/20
yy mm dd

Initials: HM

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

5-pass elastic

coin_sparse
coin

Purpose:

- Production
- Test
- Optics
- Other: Elastic calib

E_{beam}: 10.5 GeV

I_{beam}: 30 μA

Raster: On Off
Size: 2x2

HMS

p: 4.0870 θ(TV): 24.86
From GUI Nearest 0.005

SHMS

θ(TV): 31.19
Nearest 0.005

NPS

θ = SHMS 14.89
-16.30° Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>532.4710</u> A
	B-HALL <u>-0.71570</u> T
Q2	I-SET (from PSU) <u>4.23, 3.980</u> A
	B-HALL <u>0.90201</u> T
Q3	I-SET (from PSU) <u>205.8990</u> A
	B-HALL <u>-0.42170</u> T
D	I READ <u>1254.33</u> A
	B-NMR <u>N/A</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Collimator:

HMS: Large
Sieve

NPS Sweep Current 0

Run Number:

1980

- LH2 10cm
- LD2 10cm
- Dummy 10cm
- Optics#1 8cm
- C 0.5% r.l.

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

Start time (from RC):

05:53:29

Stop time (from RC):

06:47:18

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

2.6 x 10⁵

hTRIG3 rate

126

hTRIG4 rate

44

Data ok

Junk

Comments:

5-pass elastic 30μA

HMS 24.86° SHMS ~~31.19~~ 31.19° full replay done

Events 161k

Charge 76.92 mC

Active trigger LiveTime fraction (NPS Scaler Gui)

100%

Max NPS anode current (single crystal)

7.3 (μA)

Run Number:

1981

- LH2 10cm
- LD2 10cm
- Dummy 10cm
- Optics#1 8cm
- C 0.5% r.l.

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

Start time (from RC):

06:48:14

Stop time (from RC):

07:39:13

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

2.5 x 10⁵

hTRIG3 rate

127

hTRIG4 rate

44

Data ok

Junk

Comments:

5-pass elastic 30μA

HMS 24.86° SHMS 31.19° full replay done

Events 151k

Charge 69.80 mC

Active trigger LiveTime fraction (NPS Scaler Gui)

100%

Max NPS anode current (single crystal)

7.3 (μA)

Run Number:

1982

- LH2 10cm
- LD2 10cm
- Dummy 10cm
- Optics#1 8cm
- C 0.5% r.l.

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

Start time (from RC):

07:40:16

Stop time (from RC):

08:35:56

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

2.4 x 10⁵

hTRIG3 rate

121

hTRIG4 rate

44

Data ok

Junk

Comments:

5-pass elastic 30μA

HMS 24.86° SHMS 31.19° full replay done!

Events 163

Charge 70.48 mC

Active trigger LiveTime fraction (NPS Scaler Gui)

100%

Max NPS anode current (single crystal)

7.9 (μA)

Run Number:

- LH2 10cm
- LD2 10cm
- Dummy 10cm
- Optics#1 8cm
- C 0.5% r.l.

PS1: _____
PS2: _____
PS3: _____
PS4: _____
PS5: _____
PS6: _____

Start time (from RC):

Stop time (from RC):

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

hTRIG3 rate

hTRIG4 rate

Data ok

Junk

Comments:

Events _____

Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal)

(μA)

(e,e') p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/20
yy mm dd

Initials: DA

Use a separate sheet for each configuration.

HMS

Configuration Name: J/psi
Background estimation.

coin_sparse
coin

E_{beam}: 10.540 GeV I_{beam}: 30 μA

HMS

p: 5-873 θ(TV): 16.49
From GUI Nearest 0.005

SHMS **NPS**

θ(TV): 35.22 θ = SHMS 18.72
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468 Aml

Purpose:
 Production
 Test
 Optics
 Other: J/psi

Raster: On Off
Size: 2x2 mm²

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>766.04</u> A
	B-HALL <u>-1.02620</u> T
Q2	I-SET (from PSU) <u>616.88</u> A
	B-HALL <u>1.28928</u> T
Q3	I-SET (from PSU) <u>296.33</u> A
	B-HALL <u>-0.60376</u> T
D	I-READ <u>1909.41</u> A
	B-NMR <u>1.67717</u> T
If momentum increased: <input checked="" type="checkbox"/> HMS cycled?	

Run Number: <u>1983</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>10:38:03</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.04x10⁶</u>	hTRIG3 rate <u>2040</u>	hTRIG4 rate <u>375</u>
Comments:			Stop time (from RC): <u>11:37:28</u>		hTRIG5 rate <u>969</u>	hTRIG6 rate <u>199</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
		Events <u>625k</u> Charge <u>9.4mC</u>		Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>		Max NPS anode current (single crystal) <u>7.37</u> (μA)	

Run Number: <u>1984</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>11:38:20</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.06x10⁶</u>	hTRIG3 rate <u>2064</u>	hTRIG4 rate <u>378</u>
Comments:			Stop time (from RC): <u>12:04</u>		hTRIG5 rate <u>966</u>	hTRIG6 rate <u>210</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
		Events <u>218k</u> Charge <u>9.23mC</u>		Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>		Max NPS anode current (single crystal) <u>5.95</u> (μA)	

Run Number: <u>1985</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): <u>12:27</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments:			Stop time (from RC): <u>12:30</u>		hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
<u>LED run, DAC=55</u>				Events <u>37,549</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)		Max NPS anode current (single crystal) (μA)

Run Number: <u>1986</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): <u>12:32</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments:			Stop time (from RC): <u>12:34</u>		hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
<u>LED run, DAC=55</u>				Events <u>30,302</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)		Max NPS anode current (single crystal) (μA)

(e,e') p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date 3/10/20
 yy mm dd

Initials: DA

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Kinematics 30-6

coin_sparse
 coin

E_{beam}: 10.54 GeV

I_{beam}: 15 μ A

Purpose:

- Production
 Test
 Optics
 Other: _____

Raster: On Off

Size: 2x2 mm

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>766.94</u>	A
	B-HALL <u>1.02150</u>	T
Q2	I-SET (from PSU) <u>616.89</u>	A
	B-HALL <u>-1.20807</u>	T
Q3	I-SET (from PSU) <u>296.34</u>	A
	B-HALL <u>0.59817</u>	T
D	I-READ <u>1912.08</u>	A
	B-NMR <u>1.62173</u>	T
If momentum increased: <input checked="" type="checkbox"/> HMS cycled?		

HMS

p: +0.5.879 θ (TV): 16.48
From GUI Nearest 0.005

SHMS

NPS

θ (TV): 35.02
Nearest 0.005

θ = SHMS 18.72
-16.30° Nearest 0.005

Collimator:

HMS: Large
 Sieve

NPS Sweep Current
463 A

Run Number:

1987

- LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.

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

Start time (from RC):

12:48:01

Stop time (from RC):

12:53

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

0

hTRIG3 rate

0

hTRIG4 rate

0

hTRIG5 rate

0

hTRIG6 rate

0

Data ok

Junk

Comments:

Event rate too low in 1st

Events _____

Charge C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 0 (μ A)

Run Number:

1988

- LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.

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

Start time (from RC):

12:56:32

Stop time (from RC):

12:58:04

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

hTRIG3 rate

hTRIG4 rate

hTRIG5 rate

hTRIG6 rate

Data ok

Junk

Comments:

Shoot run after 12:58, the rates now look good. There is issue with dipole

Events _____

Charge C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 0 (μ A)

Run Number:

1989

- LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.

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

Start time (from RC):

13:36:43

Stop time (from RC):

13:39

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

hTRIG3 rate

hTRIG4 rate

hTRIG5 rate

hTRIG6 rate

Data ok

Junk

Comments:

SL is adjusting NMP. so this run is junk.

Events _____

Charge C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 0 (μ A)

Run Number:

1990

- LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.

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

Start time (from RC):

14:08:35

Stop time (from RC):

15:03:41

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

112x106

hTRIG3 rate

3025

hTRIG4 rate

2189

hTRIG5 rate

751

hTRIG6 rate

550

Data ok

Junk

Comments:

Config: Coin-sparse, I = 15 μ A.

Events 148712

Charge 37.35 nC

Active trigger LiveTime fraction (NPS Scaler Gui)

100%

Max NPS anode current (single crystal) 3.84 (μ A)

(e,e') p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/20
yy mm dd

Initials: DA

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Kinematics 30-6

coin_sparse
coin

Purpose:

- Production
- Test
- Optics
- Other: _____

E_{beam}: 10.54 GeV

I_{beam}: 15 uA μ A

Raster: On Off
Size: 2x2 mm

HMS

p: +(-) 5.878 θ (TV): 16.48
From GUI Nearest 0.005

SHMS

NPS

θ (TV): 35.02
Nearest 0.005

θ = SHMS 18.72
-16.30° Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU)	<u>766.94</u> A
	B-HALL	<u>1.02150</u> T
Q2	I-SET (from PSU)	<u>616.80</u> A
	B-HALL	<u>-1.20607</u> T
Q3	I-SET (from PSU)	<u>296.34</u> A
	B-HALL	<u>0.54817</u> T
D	I-READ	<u>1912.08</u> A
	B-NMR	<u>1.02173</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Collimator:

HMS: Large Sieve

NPS Sweep Current 468 A

Run Number:

1991

- LH2 10cm
- LD2 10cm
- Dummy 10cm
- Optics#1 8cm
- C 0.5% r.l.l

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

Start time (from RC):

15:04:38

Stop time (from RC):

15:55:40

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

hTRIG1 rate

1.01x10⁶

hTRIG3 rate

2902

hTRIG4 rate

2143

hTRIG5 rate

730

hTRIG6 rate

556

Data ok

Junk

Comments:

Config: coin-sparse, I = 15 uA

Events 1501k
Charge 38.36 C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 3.90 (μ A)

Run Number:

1992

- LH2 10cm
- LD2 10cm
- Dummy 10cm
- Optics#1 8cm
- C 0.5% r.l.l

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

Start time (from RC):

15:56:53

Stop time (from RC):

17:11:17

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

hTRIG1 rate

1.06x10⁶

hTRIG3 rate

2970

hTRIG4 rate

2170

hTRIG5 rate

729

hTRIG6 rate

546

Data ok

Junk

Comments:

Config: coin-sparse, I = 15 uA

Events 1641k
Charge 40.98 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 3.82 (μ A)

Run Number:

1993

- LH2 10cm
- LD2 10cm
- Dummy 10cm
- Optics#1 8cm
- C 0.5% r.l.l

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

Start time (from RC):

17:13:23

Stop time (from RC):

18:05:32

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

hTRIG1 rate

1100k

hTRIG3 rate

3086.9

hTRIG4 rate

2213.3

hTRIG5 rate

781.2

hTRIG6 rate

572.8

Data ok

Junk

Comments:

sparse = ON, 15 uA

Events 1460k
Charge 37.51 C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.97%

Max NPS anode current (single crystal) 3.90 (μ A)

Run Number:

1994

- LH2 10cm
- LD2 10cm
- Dummy 10cm
- Optics#1 8cm
- C 0.5% r.l.l

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

Start time (from RC):

18:09:05

Stop time (from RC):

18:40:03

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

hTRIG1 rate

676k

hTRIG3 rate

1984.5

hTRIG4 rate

1439.6

hTRIG5 rate

394.8

hTRIG6 rate

274.2

Data ok

Junk

Comments:

sparse = ON, 10 uA

Events 384k
Charge 15.11 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 99.95%

Max NPS anode current (single crystal) 2.91 (μ A)

(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: / / Initials:
 yy mm dd

HMS

Configuration Name:
KinC-x60-3

coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other:

E_{beam}: 10.539 GeV I_{beam}: 5 μ A

Raster: On Off
 Size: 2x2 mm²

Q1	I-SET (from PSU) <u>766.94</u> A
	B-HALL <u>1.02150</u> T
Q2	I-SET (from PSU) <u>616.89</u> A
	B-HALL <u>-1.20266</u> T
Q3	I-SET (from PSU) <u>296.33</u> A
	B-HALL <u>0.59814</u> T
D	I READ <u>1912.08</u> A
	B-NMR <u>1.62173</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

HMS
 p: +05.898 θ (TV): 16.48
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.40</u> mm		<u>0.29</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.69</u> mm		<u>0.31</u> mm
Nomin:		Nomin:

SHMS
 θ (TV): 35.02
Nearest 0.005

NPS
 θ = SHMS 18.72
-16.30
Nearest 0.005

Collimator: HMS: Large Sieve
 NPS Sweep Current 468A

Run Number: <u>1995</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>18:42:36</u>	Stop time (from RC): <u>19:06:31</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>307k</u>	hTRIG3 rate <u>1040.3</u>	hTRIG4 rate <u>763.9</u>
Comments: <u>sparse=ON, 5 μA</u>	Events <u>136k</u> Charge <u>6.10mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>1.68</u> (μ A)	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk				

Run Number: <u>1996</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>2</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>19:08:55</u>	Stop time (from RC): <u>19:39:10</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1100k</u>	hTRIG3 rate <u>3058.3</u>	hTRIG4 rate <u>2217.8</u>
Comments: <u>sparse=ON, 15 μA, ps3=2</u>	Events <u>1382k</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u> </u> (μ A)	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk				

Run Number: <u>1997-2003</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u> </u> PS2: <u> </u> PS3: <u> </u> PS4: <u> </u> PS5: <u> </u> PS6: <u> </u>	Start time (from RC): <u> </u>	Stop time (from RC): <u> </u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments: <u>Tried to set up ps6.</u>	Events <u> </u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u> </u> (μ A)	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk				

Run Number: <u>2004</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>2</u>	Start time (from RC): <u>20:45:29</u>	Stop time (from RC): <u>20:58:28</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments: <u>sparse=off, 15 μA, ps6=2</u>	Events <u>116k</u> Charge <u>8.99mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u> </u> (μ A)	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk				

(e,e') p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: ___/___/___
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KimC-x60-3

coin_sparse
 coin

Purpose:

Production
 Test
 Optics
 Other: _____

Q1	I-SET (from PSU)	766.94	A
	B-HALL	1.02230	T
Q2	I-SET (from PSU)	616.88	A
	B-HALL	-1.20608	T
Q3	I-SET (from PSU)	296.34	A
	B-HALL	0.59493	T
D	I READ	1912.06	A
	B-NMR	1.62193	T
If momentum increased: <input type="checkbox"/> HMS cycled?			

E_{beam}: *10.539* GeV I_{beam}: *30* μA

Raster: On Off
 Size: *2x2 mm²*

HMS

p: *+10 5.878* θ(TV): *16.48*
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<i>1.912</i>	mm	<i>0.309</i>
Nomin:		Nomin:
3H07C	X	Y
<i>0.906</i>	mm	<i>0.299</i>
Nomin:		Nomin:

SHMS **NPS**

θ(TV): *35.02* θ = SHMS *18.92*
Nearest 0.005 Nearest 0.005

θ = SHMS *-16.30°*

Collimator: HMS: Large Sieve NPS Sweep Current *468A*

Run Number: <i>2005</i>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <i>-1</i> PS2: <i>-1</i> PS3: <i>-1</i> PS4: <i>-1</i> PS5: <i>-1</i> PS6: <i>0</i>	Start time (from RC): <i>21:22:52</i> Stop time (from RC): <i>22:05:56</i>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <i>716k</i> hTRIG5 rate: <i>385.9</i>	hTRIG3 rate: <i>2324.4</i> hTRIG6 rate: <i>292.4</i>	hTRIG4 rate: <i>1566</i> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
-------------------------	---	---	---	---	---	---	--

Comments: *sparse = ON, 30 μA,*

Events <i>313K</i> Charge <i>25.91C</i>	Active trigger LiveTime fraction (NPS Scaler Gui) <i>100%</i>	Max NPS anode current (single crystal) <i>5.84</i> (μA)
--	---	---

Run Number: <i>2006</i>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <i>-1</i> PS2: <i>-1</i> PS3: <i>-1</i> PS4: <i>-1</i> PS5: <i>-1</i> PS6: <i>0</i>	Start time (from RC): <i>22:49:55</i> Stop time (from RC): <i>23:11:32</i>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <i>306k</i> hTRIG5 rate: <i>130.4</i>	hTRIG3 rate: <i>1137.5</i> hTRIG6 rate: <i>104.6</i>	hTRIG4 rate: <i>790.4</i> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
-------------------------	---	---	---	---	---	---	---

Comments: *sparse = ON, 15 μA*

Events <i>125K</i> Charge <i>16.94nC</i>	Active trigger LiveTime fraction (NPS Scaler Gui) <i>100%</i>	Max NPS anode current (single crystal) <i>3.26</i> (μA)
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Run Number: <i>2007</i>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <i>-1</i> PS2: <i>-1</i> PS3: <i>-1</i> PS4: <i>-1</i> PS5: <i>-1</i> PS6: <i>0</i>	Start time (from RC): <i>23:31:22</i> Stop time (from RC): <i>00:39:03</i>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <i>669k</i> hTRIG5 rate: <i>403.5</i>	hTRIG3 rate: <i>2337.4</i> hTRIG6 rate: <i>321.9</i>	hTRIG4 rate: <i>1779.0</i> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
-------------------------	---	---	---	---	---	---	--

Comments: *sparse = ON, 30 μA*

Events <i>121K</i> Charge <i>90.6nC</i>	Active trigger LiveTime fraction (NPS Scaler Gui) <i>99.95%</i>	Max NPS anode current (single crystal) <i>4.45</i> (μA)
--	---	---

Run Number: <i>2008</i>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <i>-1</i> PS2: <i>-1</i> PS3: <i>-1</i> PS4: <i>-1</i> PS5: <i>-1</i> PS6: <i>0</i>	Start time (from RC): <i>00:44:56</i> Stop time (from RC): <i>00:47:34</i>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate: <i>197338</i> hTRIG5 rate: <i>99</i>	hTRIG3 rate: <i>823</i> hTRIG6 rate: <i>85</i>	hTRIG4 rate: <i>651</i> <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: *sparse = ON, 30 μA Coin-sparse low*

Events <i>11K</i> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)
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↳ cluster pair trig. wrongly set to 750 MeV

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/21
yy mm dd

Initials: MD

Use a separate sheet for each configuration.

HMS

Configuration Name: kin C - X 60-3

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.588 GeV I_{beam}: 30 μA

Raster: On Off
 Size: 2x2 mm²

HMS
 p: +0 θ(TV): 16.48
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.710</u>	mm	<u>0.306</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.701</u>	mm	<u>0.301</u> mm
Nomin:		Nomin:

SHMS
 θ(TV): -35.03
Nearest 0.005

NPS
 θ = SHMS 18.92
 -16.30°
Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468 A

Q1	I-SET (from PSU) <u>766.94</u> A
	B-HALL <u>1.02230</u> T
Q2	I-SET (from PSU) <u>616.98</u> A
	B-HALL <u>-1.20608</u> T
Q3	I-SET (from PSU) <u>296.34</u> A
	B-HALL <u>0.59493</u> T
D	I-READ <u>1912.06</u> A
	B-NMR <u>1.62173</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 2009 LH2 10cm PS1: -1 Start time (from RC): 00:53:30 Settings Verified? hTRIG1 rate hTRIG3 rate hTRIG4 rate

Comments: Coin-low-sparse, 10μA, cluster pair trig. thr = 140 LD2 10cm PS2: -1 Stop time (from RC): HV OK? hTRIG5 rate hTRIG6 rate Data ok

2010 = Junk No TRIGGER → Power cycle all crystals Dummy 10cm PS3: -1 Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μA)

Optics#1 8cm PS4: -1 Charge _____ C 50k OK? Junk

C 0.5% r.l.l. PS5: -1 50k OK?

Run Number: 2011 LH2 10cm PS1: -1 Start time (from RC): 01:14:12 Settings Verified? hTRIG1 rate 1660K hTRIG3 rate 850 hTRIG4 rate 650

Comments: Coin-low-sparse, 10μA, cluster pair trig. thr = cluster readout = 140 MeV, ps6 = 0 LD2 10cm PS2: -1 Stop time (from RC): 01:41:16 HV OK? hTRIG5 rate 340 hTRIG6 rate 270 Data ok

2012 = Junk Dummy 10cm PS3: -1 Events 384 Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) (μA) 4

Optics#1 8cm PS4: -1 Charge 15.09 mC 50k OK? Junk

C 0.5% r.l.l. PS5: -1 50k OK?

Run Number: 2013 LH2 10cm PS1: -1 Start time (from RC): 01:47:04 Settings Verified? hTRIG1 rate 720K hTRIG3 rate 2441 hTRIG4 rate 1865

Comments: 30μA Sparse on, Coin-sparse ps6 = 0 LD2 10cm PS2: -1 Stop time (from RC): 02:50:16 HV OK? hTRIG5 rate 456 hTRIG6 rate 357 Data ok

2012 = Junk Dummy 10cm PS3: -1 Events 945K Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) (μA) 4.68

Optics#1 8cm PS4: -1 Charge 76.34 mC 50k OK? Junk

C 0.5% r.l.l. PS5: -1 50k OK?

Run Number: 2014 LH2 10cm PS1: -1 Start time (from RC): 02:52:30 Settings Verified? hTRIG1 rate 430K hTRIG3 rate 1622 hTRIG4 rate 1231

Comments: 20μA, Sparse ONLY → Coin-sparse; 20min of beam ps6 = 0 LD2 10cm PS2: -1 Stop time (from RC): 03:24:26 HV OK? hTRIG5 rate 210 hTRIG6 rate 190 Data ok

2012 = Junk Dummy 10cm PS3: -1 Events 283K Active trigger LiveTime fraction (NPS Scaler Gui) 99.99% Max NPS anode current (single crystal) (μA) 3.26

Optics#1 8cm PS4: -1 Charge _____ C 50k OK? Junk

C 0.5% r.l.l. PS5: -1 50k OK?

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/21
yy mm dd

Initials: MJD

Use a separate sheet for each configuration.

HMS

Configuration Name: K_αC-X60-3

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.58 GeV I_{beam}: 30 μ A

Raster: On Off
 Size: 2x2 mm²

HMS
 p: +A θ (TV): 16.48
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.910</u>	mm	<u>0.306</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.701</u>	mm	<u>0.301</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): -35.03 θ = SHMS 18.72
Nearest 0.005 Nearest 0.005
 θ = SHMS -16.30°

Collimator: HMS: Large Sieve NPS Sweep Current 468

I-SET (from PSU)	<u>766.94</u>	A
Q1 B-HALL	<u>1.02230</u>	T
I-SET (from PSU)	<u>616.88</u>	A
Q2 B-HALL	<u>-1.20608</u>	T
I-SET (from PSU)	<u>296.34</u>	A
Q3 B-HALL	<u>0.59493</u>	T
I-READ	<u>1912.06</u>	A
D B-NMR	<u>1.62173</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: 2015
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 _____ PS6: 0

Start time (from RC): 03:25:47
 Stop time (from RC): 03:53:14

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 197 K hTRIG3 rate: 839 hTRIG4 rate: 671
 hTRIG5 rate: 105 hTRIG6 rate: 85

Data ok Junk

Comments: 10 μ A, Sparse on, ^{goal} bin-sparse, 20 min. ps6 = 0

Events 124K Active trigger LiveTime fraction (NPS Scaler Gui) 99.93% Max NPS anode current (single crystal) 1.61 (μ A)
 Charge 12.76nC

Run Number: 2016
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 _____ PS6: -1

Start time (from RC): 04:01:40
 Stop time (from RC): 04:28:45

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 690 K hTRIG3 rate: 244 hTRIG4 rate: 1797
 hTRIG5 rate: 417 hTRIG6 rate: 340

Data ok Junk

Comments: 30 μ A, Sparse on, ps3 = 1, 20 min.

Events 915K Active trigger LiveTime fraction (NPS Scaler Gui) 99.99% Max NPS anode current (single crystal) 3.26 (μ A)
 Charge 20.75nC

Run Number: 2017
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 _____ PS6: 0

Start time (from RC): 06:39:25
 Stop time (from RC): 06:51:53

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 6950 hTRIG3 rate: 2834 hTRIG4 rate: 1830
 hTRIG5 rate: 460 hTRIG6 rate: 350

Data ok Junk

Comments: 30 μ A, Sparse off (Coin) ps6 = 0, 10 min

Events 252K Active trigger LiveTime fraction (NPS Scaler Gui) 99.93% Max NPS anode current (single crystal) 4.5 (μ A)
 Charge 20.75nC

Run Number: 2018
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 _____ PS6: 0

Start time (from RC): 07:15:05
 Stop time (from RC): 08:11

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 1120 K hTRIG3 rate: 3055 hTRIG4 rate: 2155
 hTRIG5 rate: 750 hTRIG6 rate: 570

Data ok Junk

Comments: 15 μ A, Coin Sparse, ps6 = 0 (LD2)

Events 131 Active trigger LiveTime fraction (NPS Scaler Gui) 99.99% Max NPS anode current (single crystal) 3.84 (μ A)
 Charge 6.6nC

p(e,e') p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/21
yy mm dd

Initials: MRD

Use a separate sheet for each configuration.

HMS

Configuration Name: KinC-x603

coin_sparse
 coin

E_{beam}: 10.58 GeV I_{beam}: 10-30 μA

HMS
p: +0 θ(TV): 16.48
From GUI Nearest 0.005

SHMS **NPS**
θ(TV): -35.02 θ = SHMS 18.72
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: 2x2mm

Beam position and angle on target:

3H07A	X	Y
<u>1.700</u> mm		<u>0.299</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.702</u> mm		<u>0.301</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>766.94</u> A
	B-HALL <u>1.02230</u> T
Q2	I-SET (from PSU) <u>616.88</u> A
	B-HALL <u>-1.20608</u> T
Q3	I-SET (from PSU) <u>296.84</u> A
	B-HALL <u>0.59493</u> T
D	I-READ <u>1912.06</u> A
	B-NMR <u>1.62174</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: _____

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l PS5: -1
 _____ PS6: 0

Comments: 15μA, coinsparse;

Start time (from RC): R:13:57
Stop time (from RC): R:59:42

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.08e6 hTRIG3 rate: 3054.5 hTRIG4 rate: 276
hTRIG5 rate: 756 hTRIG6 rate: 333 Data ok
 Junk

Events 1.4M Active trigger LiveTime fraction (NPS Scaler Gui) 99.68% Max NPS anode current (single crystal) _____ (μA)
Charge 387μC

Run Number: _____

LH2 10cm PS1: _____
 LD2 10cm PS2: _____
 Dummy 10cm PS3: _____
 Optics#1 8cm PS4: _____
 C 0.5% r.l PS5: _____
 _____ PS6: _____

Comments: _____

Start time (from RC): _____
Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
hTRIG5 rate: _____ hTRIG6 rate: _____ Data ok
 Junk

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μA)
Charge _____ C

Run Number: _____

LH2 10cm PS1: _____
 LD2 10cm PS2: _____
 Dummy 10cm PS3: _____
 Optics#1 8cm PS4: _____
 C 0.5% r.l PS5: _____
 _____ PS6: _____

Comments: _____

Start time (from RC): _____
Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
hTRIG5 rate: _____ hTRIG6 rate: _____ Data ok
 Junk

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μA)
Charge _____ C

Run Number: _____

LH2 10cm PS1: _____
 LD2 10cm PS2: _____
 Dummy 10cm PS3: _____
 Optics#1 8cm PS4: _____
 C 0.5% r.l PS5: _____
 _____ PS6: _____

Comments: _____

Start time (from RC): _____
Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
hTRIG5 rate: _____ hTRIG6 rate: _____ Data ok
 Junk

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μA)
Charge _____ C

p(e,e') p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/20
yy mm dd

Initials: EF

Use a separate sheet for each configuration.

HMS

Configuration Name: Kin 3603

coin_sparse
 coin

E_{beam}: 10.58 GeV I_{beam}: 45-30 μA

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2mm

Beam position and angle on target:

3H07A	X	Y
<u>1.512</u>	mm	<u>0.304</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.707</u>	mm	<u>0.315</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>298.99</u> A	A
	B-HALL <u>1.0636</u> T	T
Q2	I-SET (from PSU) <u>646.00</u> A	A
	B-HALL <u>-1.257</u> T	T
Q3	I-SET (from PSU) <u>308.20</u> A	A
	B-HALL <u>0.622</u> T	T
D	I-READ <u>2028.39</u> A	A
	B-NMR <u>1.69166</u> T	T
If momentum increased: <input checked="" type="checkbox"/> HMS cycled?		

HMS
 p: +06.117 From GUI θ(TV): 12.385 Nearest 0.005

SHMS **NPS**
 θ(TV): 32.26 Nearest 0.005 θ = SHMS 15.96 Nearest 0.005
 -16.30°

Collimator: HMS: Large Sieve
 NPS Sweep Current 468

Run Number: 2020112
 LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.l

PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____

Start time (from RC): _____ Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

hTRIG1 rate _____ hTRIG3 rate _____ hTRIG4 rate _____
 hTRIG5 rate _____ hTRIG6 rate _____ Data ok
 Junk

Comments: too much rates => P66=3

Events _____ Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 6.74 (μA)

Run Number: 2023
 LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.l

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 3

Start time (from RC): 9:51:04 Stop time (from RC): 10:36:12

Settings Verified? HV OK? 50k OK?

hTRIG1 rate 188e6 hTRIG3 rate 24677 hTRIG4 rate 19359
 hTRIG5 rate 9711 hTRIG6 rate 7845 Data ok
 Junk

Comments: 15pA first run of step 10.11

Events 234 Charge 32.2MC

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 6.71 (μA)

Run Number: 2024
 LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.l

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 3

Start time (from RC): 10:37:09 Stop time (from RC): 11:13:40

Settings Verified? HV OK? 50k OK?

hTRIG1 rate 1.26e6 hTRIG3 rate 25011 hTRIG4 rate 19542
 hTRIG5 rate 9506 hTRIG6 rate 7849 Data ok
 Junk

Comments: 15pA => Drift 10V? => OK second run of step 10.11

Events 283M Charge 288MC

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μA)

Run Number: 202576
 LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.l

PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____

Start time (from RC): 11:22:39 Stop time (from RC): 11:24:48

Settings Verified? HV OK? 50k OK?

hTRIG1 rate _____ hTRIG3 rate _____ hTRIG4 rate _____
 hTRIG5 rate _____ hTRIG6 rate _____ Data ok
 Junk

Comments: Test HMS! JUNK

Events _____ Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μA)

p(e,e') p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/21
yy mm dd

Initials: EF

Use a separate sheet for each configuration.

HMS

Configuration Name: Kia 36-3

coin_sparse
 coin

Purpose:

Production
 Test
 Optics
 Other: _____

E_{beam}: 10.58 GeV I_{beam}: 5-30 μA

Raster: On Off
 Size: 2x2mm

Q1	I-SET (from PSU) <u>298.99</u> A B-HALL <u>1.06360</u> T
Q2	I-SET (from PSU) <u>646.00</u> A B-HALL <u>-1.25763</u> T
Q3	I-SET (from PSU) <u>308.20</u> A B-HALL <u>0.62246</u> T
D	I-READ <u>2022.39</u> A B-NMR <u>1.69166</u> T
If momentum increased: <input checked="" type="checkbox"/> HMS cycled?	

HMS

p: +0.6117 θ(TV): 12.355
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.711</u> mm		<u>0.298</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.503</u> mm		<u>0.30</u> mm
Nomin:		Nomin:

SHMS **NPS**

θ(TV): 32.26 θ = SHMS 15.96
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: 2027

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.l

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 3

Start time (from RC): 12:40:58 Stop time (from RC): 13:05:09

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.81e6 hTRIG3 rate: 24835 hTRIG4 rate: 19909

hTRIG5 rate: 9678 hTRIG6 rate: 7622

Data ok Meh! Junk

Comments: NPS chiller issues 15μA

Events 1.99M Charge 188nC Active trigger LiveTime fraction (NPS Scaler Gui) ? Max NPS anode current (single crystal) (μA)

Run Number: 2028

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.l

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 3

Start time (from RC): 13:06:08 Stop time (from RC): 13:31:40

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.74e6 hTRIG3 rate: 26569 hTRIG4 rate: 19844

hTRIG5 rate: 9223 hTRIG6 rate: 97727

Data ok Meh! Junk

Comments: NPS chiller issues 15μA

Events 1.53M Charge 148nC Active trigger LiveTime fraction (NPS Scaler Gui) ? Max NPS anode current (single crystal) (μA)

Run Number: 2029

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.l

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 3

Start time (from RC): 14:28:34 Stop time (from RC): 15:1

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.82e6 hTRIG3 rate: 25182 hTRIG4 rate: 19701

hTRIG5 rate: 9512 hTRIG6 rate: 7671

Data ok Junk

Comments: 15μA, should be good;

Events 2.41M Charge 34.6nC Active trigger LiveTime fraction (NPS Scaler Gui) > 99% Max NPS anode current (single crystal) (μA)

Run Number: 2031

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.l

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 3

Start time (from RC): 15:20 Stop time (from RC): 16:11

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 2.23e6 hTRIG3 rate: 25140 hTRIG4 rate: 19532

hTRIG5 rate: 12051 hTRIG6 rate: 9674

Data ok Junk

Comments: 15μA : 3rd run of step 10.1.1

Events 3.413K Charge mc Active trigger LiveTime fraction (NPS Scaler Gui) 99.917 Max NPS anode current (single crystal) (μA) 664

2030 junk 4444 evts the...

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 10-10-21
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: Kin 36-3
 coin_sparse
 coin

E_{beam}: 10.58 GeV I_{beam}: 5-30 μ A

HMS
 p: +06.217 θ (TV): 12.385
From GUI Nearest 0.005

SHMS **NPS**
 θ (TV): 32.26 θ = SHMS 15.98
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 4.68A

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2MM

Beam position and angle on target:

3H07A	X	Y
<u>1302</u> mm		
Nomin:		Nomin:
3H07C	X	Y
<u>02705</u> mm		<u>0303</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>798.99</u> A
	B-HALL <u>1.06360</u> T
Q2	I-SET (from PSU) <u>646.00</u> A
	B-HALL <u>-1.25743</u> T
Q3	I-SET (from PSU) <u>308.20</u> A
	B-HALL <u>0.62246</u> T
D	I-READ <u>2028.39</u> A
	B-NMR <u>1.69166</u> T
If momentum increased: <input checked="" type="checkbox"/> HMS cycled?	

Run Number: <u>2032</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>16:15</u>	Stop time (from RC): <u>16:15</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: PS6=0 event rate too high Junk

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____

Max NPS anode current (single crystal) _____ μ A

Run Number: <u>2033</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>3</u>	Start time (from RC): <u>16:18</u>	Stop time (from RC): <u>17:05</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.24 · 10⁶</u>	hTRIG3 rate <u>25,022</u>	hTRIG4 rate <u>19,913</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: VTP_Pair_THR = 500 I = 15 mA

Events 4,733 K Charge 35.78 C

Active trigger LiveTime fraction (NPS Scaler Gui) 49.749 %

Max NPS anode current (single crystal) 6.91 μ A

Run Number: <u>2034</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.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?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: had to kill coin. Restart Platform

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____

Max NPS anode current (single crystal) _____ μ A

Run Number: <u>2035</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>3</u>	Start time (from RC): <u>17:25</u>	Stop time (from RC): <u>18:17</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.78 · 10⁶</u>	hTRIG3 rate <u>25,030</u>	hTRIG4 rate <u>19604</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: VTP_Pair_THR = 750

Events 3,977 K Charge 36.72 C

Active trigger LiveTime fraction (NPS Scaler Gui) 49.734 %

Max NPS anode current (single crystal) 6.70 μ A

$p(e, e'\gamma)p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/21
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
kin X36-3
 coin_sparse
 coin

E_{beam}: 10.58 GeV I_{beam}: 10 μ A

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2

Q1	I-SET (from PSU) <u>798.99 A</u>
	B-HALL <u>1.068 T</u>
Q2	I-SET (from PSU) <u>645.00 A</u>
	B-HALL <u>-1.261 T</u>
Q3	I-SET (from PSU) <u>308.2 A</u>
	B-HALL <u>0.619 T</u>
D	I-READ <u>2028.34 A</u>
	B-NMR <u>1.69166 T</u>
If momentum increased: <input type="checkbox"/> HMS cycled?	

HMS
 p: +16 -6.117 θ (TV): 12.37
From GUI Nearest 0.005

SHMS **NPS**
 θ (TV): 32.27 $\theta =$ SHMS 15.97
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468 A

Beam position and angle on target:

3H07A	X	Y
<u>1.691</u> mm		<u>0.295</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.711</u> mm		<u>0.293</u> mm
Nomin:		Nomin:

Run Number: <u>2036</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>i</u>	Start time (from RC): <u>18:20</u> Stop time (from RC): <u>18:44</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.26 · 10⁶</u>	hTRIG3 rate <u>16,422</u>	hTRIG4 rate <u>13062</u>
Comments:	I = 10 μ A			Events <u>2,041 K</u> Charge <u>11.45 mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.621 %</u>	Max NPS anode current (single crystal) <u>4.85</u> (μ A)	
					hTRIG5 rate <u>4070</u>	hTRIG6 rate <u>3343</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Run Number: <u>2037</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>i</u>	Start time (from RC): <u>18:45</u> Stop time (from RC): <u>18:45</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments:	P96=1 was too low Junk			Events _____ Charge <u>11.45 mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)	
					hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

Run Number: <u>2038</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>18:47</u> Stop time (from RC): <u>19:09</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>3.95 · 10⁵</u>	hTRIG3 rate <u>8477</u>	hTRIG4 rate <u>6686</u>
Comments:	I = 5 μ A			Events <u>1,042 K</u> Charge <u>5.63 mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.21 %</u>	Max NPS anode current (single crystal) <u>2.33</u> (μ A)	
					hTRIG5 rate <u>1115</u>	hTRIG6 rate <u>926</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Run Number: <u>2039</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: <u>4</u> PS4: - PS5: - PS6: -	Start time (from RC): <u>19:14</u> Stop time (from RC): <u>19:42</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>4.12 · 10⁵</u>	hTRIG3 rate <u>12511</u>	hTRIG4 rate <u>9849</u>
Comments:	I = 7.5 μ A			Events <u>1,770 K</u> Charge <u>8.99 mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>4.00</u> (μ A)	
					hTRIG5 rate <u>2442</u>	hTRIG6 rate <u>1980</u>	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/21
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Ken X 36-3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 5 μ A

Raster: On Off
 Size: 2x2

Q1	I-SET (from PSU)	<u>798.99</u>	A
	B-HALL	<u>1.0682</u>	T
Q2	I-SET (from PSU)	<u>646.00</u>	A
	B-HALL	<u>-1.2588</u>	T
Q3	I-SET (from PSU)	<u>308.2</u>	A
	B-HALL	<u>0.618</u>	T
D	I-READ	<u>2028.39</u>	A
	B-NMR	<u>1.69166</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?			

HMS
 p: +6 -6.117 θ (TV): 12.37
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.645</u> mm		<u>0.245</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.712</u> mm		<u>0.287</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 32.27 θ = SHMS 15.97
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: <u>2040</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>2</u>	Start time (from RC): Stop time (from RC):	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
					hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

Comments: lower presale for < 100 MB/hrs Junk

Events _____ Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____

Run Number: <u>2041</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>1</u>	Start time (from RC): <u>19:51</u> Stop time (from RC): <u>20:13</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.69 · 10⁶</u>	hTRIG3 rate <u>8424</u>	hTRIG4 rate <u>6758</u>
					hTRIG5 rate <u>3102</u>	hTRIG6 rate <u>2448</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: Coin-sparse - low 70 MB/hrs I = 5 mA

Events 1466 K Charge 5.76 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 99.89 % Max NPS anode current (single crystal) (μ A) 2.76

Run Number: <u>2042</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>3</u>	Start time (from RC): <u>20:20</u> Stop time (from RC): <u>20:22</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
					hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: Coin sparse OFF 7100 MB/hrs I = 7.5 mA

Events 46,912 Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____

Run Number: <u>2043</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: - PS2: - PS3: - PS4: - PS5: <u>4</u> PS6: -	Start time (from RC): <u>20:24</u> Stop time (from RC): <u>20:36</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>9.23 · 10⁵</u>	hTRIG3 rate <u>12,642</u>	hTRIG4 rate <u>9904</u>
					hTRIG5 rate <u>2445</u>	hTRIG6 rate <u>1906</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: COIN SPARSE OFF ~60 MB/hrs I = 7.5 mA

Events 152,360 Charge 4.91 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100 % Max NPS anode current (single crystal) (μ A) 3.89

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/21
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: KINX36_3
 coin_sparse
 coin

E_{beam}: 10.54 GeV I_{beam}: 15 μ A

HMS
 p: +10 - 6.117 θ (TV): 12.37
From GUI Nearest 0.005

SHMS **NPS**
 θ (TV): 32.27 θ = SHMS 15.97
Nearest 0.005 Nearest 0.005
 -16.30°

Collimator: HMS: Large Sieve NPS Sweep Current 468

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>1.681</u> mm		<u>0.294</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.707</u> mm		<u>0.291</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>789.99</u> A B-HALL <u>1.0635</u> T
Q2	I-SET (from PSU) <u>646.0</u> A B-HALL <u>-1.258</u> T
Q3	I-SET (from PSU) <u>308.2</u> A B-HALL <u>0.618</u> T
D	I-READ <u>2028.39</u> A B-NMR <u>1.69166</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 2044
 Comments: _____
 I = 15 mA

<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>21:17</u> Stop time (from RC): <u>21:42</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6.08</u> $\cdot 10^5$ hTRIG5 rate <u>1261</u>	hTRIG3 rate <u>9149</u> hTRIG6 rate <u>961</u>	hTRIG4 rate <u>7505</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Events 1280 K Active trigger LiveTime fraction (NPS Scaler Gui) 99.968% Max NPS anode current (single crystal) 5.60 (μ A)
 Charge 18.63 C

Run Number: 2045
 Comments: _____
 I = 7.5 mA

<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>21:44</u> Stop time (from RC): <u>22:05</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.78</u> $\cdot 10^5$ hTRIG5 rate <u>366</u>	hTRIG3 rate <u>4760</u> hTRIG6 rate <u>278</u>	hTRIG4 rate <u>3752</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Events 359 K Active trigger LiveTime fraction (NPS Scaler Gui) 99.968% Max NPS anode current (single crystal) _____ (μ A)
 Charge 8.98 mC

Run Number: 2046
 Comments: _____
 I = 20 mA

<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>22:23</u> Stop time (from RC): <u>22:49</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>8.36</u> $\cdot 10^5$ hTRIG5 rate <u>2234</u>	hTRIG3 rate <u>12852</u> hTRIG6 rate <u>1920</u>	hTRIG4 rate <u>10338</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Events 2208 K Active trigger LiveTime fraction (NPS Scaler Gui) 71% Max NPS anode current (single crystal) 5.18 (μ A)
 Charge 21.58 mC

Run Number: 2047
 Comments: _____
 I = 15 mA

<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>22:52</u> Stop time (from RC): <u>23:37</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6.13</u> $\cdot 10^5$ hTRIG5 rate <u>1256</u>	hTRIG3 rate <u>10041</u> hTRIG6 rate <u>1118</u>	hTRIG4 rate <u>7733</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Events 2183 K Active trigger LiveTime fraction (NPS Scaler Gui) 98.31% Max NPS anode current (single crystal) 3.71 (μ A)
 Charge 30.9 mC

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/21
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: Kin X36-3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 15 μ A

Raster: On Off
 Size: 2 x 2

Q1	I-SET (from PSU)	<u>798.99</u>	A
	B-HALL	<u>1.0674</u>	T
Q2	I-SET (from PSU)	<u>646</u>	A
	B-HALL	<u>-1.258</u>	T
Q3	I-SET (from PSU)	<u>308.2</u>	A
	B-HALL	<u>0.621</u>	T
D	I-READ	<u>2628.34</u>	A
	B-NMR	<u>1.69166</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?			

HMS
 p: +/- -6.117 θ (TV): 12.37
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.707</u> mm		<u>0.297</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.692</u> mm		<u>0.270</u> mm
Nomin:		Nomin:

SHMS NPS
 θ (TV): 32.27 θ = SHMS 15.97
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: <u>2048</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>23.39</u> Stop time (from RC):	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>5.85 · 10⁵</u>	hTRIG3 rate <u>9747</u>	hTRIG4 rate <u>7569</u>
					hTRIG5 rate <u>1395</u>	hTRIG6 rate <u>1025</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: Coin sparse, ps6 = 0
Reset volume 3
npsvme3 powercycled I = 15 mA

Events <u>2285K</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
Charge <u>C</u>		

Run Number: <u>2049</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: -	Start time (from RC): Stop time (from RC):	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>393K</u>	hTRIG3 rate <u>6444</u>	hTRIG4 rate <u>5321</u>
					hTRIG5 rate <u>615</u>	hTRIG6 rate <u>544</u>	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

Also test Run 2050; Coda issues
rebooted all crates

Events _____	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
Charge <u>C</u>		

Run Number: <u>2051</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>00:50:17</u> Stop time (from RC): <u>01:18:31</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>403K</u>	hTRIG3 rate <u>6436</u>	hTRIG4 rate <u>4987</u>
					hTRIG5 rate <u>616</u>	hTRIG6 rate <u>544</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: Coin sparse, ps6 = 0, I = 10 μ A

Events <u>780K</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
Charge <u>13.53 C</u>	<u>99.63%</u>	<u>3.42</u> (μ A)

Run Number: <u>2052</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>01:20:25</u> Stop time (from RC): <u>01:55:12</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>186K</u>	hTRIG3 rate <u>3453</u>	hTRIG4 rate <u>2670</u>
					hTRIG5 rate <u>210</u>	hTRIG6 rate <u>190</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: Coin sparse, ps6 = 0, I = 5 μ A

Events <u>262K</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
Charge <u>5.7 MC</u>	<u>99.97%</u>	<u>1.34</u> (μ A)

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/22
yy mm dd

Initials: M.D

Use a separate sheet for each configuration.

HMS

Configuration Name: KinC-X36-3
 coin_sparse
 coin

E_{beam}: 10.54 GeV I_{beam}: 5-30 μ A

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2 mm²

Q1	I-SET (from PSU) <u>798.99</u> A
	B-HALL <u>1.0674</u> T
Q2	I-SET (from PSU) <u>646</u> A
	B-HALL <u>-1.258</u> T
Q3	I-SET (from PSU) <u>308.2</u> A
	B-HALL <u>0.621</u> T
D	I-READ <u>2028.4</u> A
	B-NMR <u>1.6916</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

HMS
 p: +0 6.117 θ (TV): 12.37
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.705</u> mm		<u>0.310</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.701</u> mm		<u>0.281</u> mm
Nomin:		Nomin:

SHMS
 θ (TV): 32.27
Nearest 0.005

NPS
 θ = SHMS 15.97
-16.30°
Nearest 0.005

Collimator: HMS: Large Sieve
 NPS Sweep Current 468

Run Number: 2053
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.

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

Start time (from RC): _____
 Stop time (from RC): _____

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate _____ hTRIG3 rate _____ hTRIG4 rate _____
 hTRIG5 rate _____ hTRIG6 rate _____

Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) _____ (μ A)

Comments: 5000 Hz Event rate; 30 μ A Coin Sparse; ps3 = 1

Events _____ Charge C

Data ok
 Junk

Run Number: 2054
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.

PS1: -1
 PS2: -1
 PS3: 2
 PS4: -1
 PS5: -1
 PS6: -1

Start time (from RC): 02:23:17
 Stop time (from RC): _____

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate _____ hTRIG3 rate _____ hTRIG4 rate _____
 hTRIG5 rate _____ hTRIG6 rate _____

Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) _____ (μ A)

Comments: 30 μ A Coin Sparse ps3 = 2 Event rate ~ 4000 Hz

Events _____ Charge C

Data ok
 Junk

Run Number: 2055
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.

PS1: -1
 PS2: -1
 PS3: 3
 PS4: -1
 PS5: -1
 PS6: -1

Start time (from RC): _____
 Stop time (from RC): _____

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate _____ hTRIG3 rate _____ hTRIG4 rate _____
 hTRIG5 rate _____ hTRIG6 rate _____

Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) _____ (μ A)

Comments: 30 μ A, Coin Sparse ps3 = 3 High Event Rate 7.2 kHz

Events _____ Charge C

Data ok
 Junk

Run Number: 2056
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.

PS1: -1
 PS2: -1
 PS3: 4
 PS4: -1
 PS5: -1
 PS6: -1

Start time (from RC): _____
 Stop time (from RC): _____

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate _____ hTRIG3 rate _____ hTRIG4 rate _____
 hTRIG5 rate _____ hTRIG6 rate _____

Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) _____ (μ A)

Comments: 30 μ A, Coin Sparse ps3 = 4 high event rate > 2 kHz

Events _____ Charge C

Data ok
 Junk

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/22
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Run 26-3

coin_sparse
coin

E_{beam}: 10.54 GeV I_{beam}: 30 μ A

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: 2x2 mm²

Q1	I-SET (from PSU) <u>798.99</u> A
	B-HALL <u>1.0674</u> T
Q2	I-SET (from PSU) 6.46 <u>646</u> A
	B-HALL <u>-1.258</u> T
Q3	I-SET (from PSU) <u>308.2</u> A
	B-HALL <u>0.621</u> T
D	I-READ <u>2028.4</u> A
	B-NMR <u>1.69166</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

HMS
p: +0 6.117 θ (TV): 12.37
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.71</u>	mm	<u>0.30</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.70</u>	mm	<u>0.291</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 32.29 θ = SHMS 15.97
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: 2057

LH2 10cm PS1: -1 Start time (from RC): 02:33:55
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 5 Stop time (from RC): 02:55:12
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
PS6: -1

Comments: 30 μ A, Coin Sparse, ps3 = 5
Event rate \approx 1.2 kHz

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1310K hTRIG3 rate: 19157 hTRIG4 rate: 15214
hTRIG5 rate: 5132 hTRIG6 rate: 4269

Events: 1382K Active trigger LiveTime fraction (NPS Scaler Gui): 99.53% Max NPS anode current (single crystal) (μ A): 7.62
Charge: 33.28C

Data ok Junk

Run Number: 2058

LH2 10cm PS1: -1 Start time (from RC): _____
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1 Stop time (from RC): _____
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
PS6: 0

Comments: data rate \approx 400 MB ps6 = 0

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
hTRIG5 rate: _____ hTRIG6 rate: _____

Events: _____ Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal) (μ A): _____
Charge: _____ C

Data ok Junk

Run Number: 2059

LH2 10cm PS1: -1 Start time (from RC): _____
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1 Stop time (from RC): _____
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
PS6: 2

Comments: data rate \approx 300 MB ps6 = 2

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
hTRIG5 rate: _____ hTRIG6 rate: _____

Events: _____ Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal) (μ A): _____
Charge: _____ C

Data ok Junk

Run Number: 2060

LH2 10cm PS1: -1 Start time (from RC): _____
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1 Stop time (from RC): _____
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
PS6: 4

Comments: data rate \approx 125 MB ps6 = 4

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
hTRIG5 rate: _____ hTRIG6 rate: _____

Events: _____ Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal) (μ A): _____
Charge: _____ C

Data ok Junk

$p(e, e'\gamma) p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/22
yy mm dd

Initials: MJD

Use a separate sheet for each configuration.

HMS

Configuration Name: kin-36-3
 coin_sparse
 coin

E_{beam}: 10.54 GeV I_{beam}: 15-30 μ A

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2 mm²

HMS
 p: +10 6.17 θ (TV): 12.37
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.70</u>	mm	<u>0.30</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.29</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 32.89 $\theta =$ SHMS 15.47
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Q1	I-SET (from PSU) <u>798.99</u> A
	B-HALL <u>1.0674</u> T
Q2	I-SET (from PSU) <u>646</u> A
	B-HALL <u>-1.258</u> T
Q3	I-SET (from PSU) <u>308.2</u> A
	B-HALL <u>0.621</u> T
D	I-READ <u>2028.4</u> A
	B-NMR <u>1.69166</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: <u>2061</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>5</u>	Start time (from RC): <u>03:05:19</u> Stop time (from RC): <u>03:19:32</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1290</u>	hTRIG3 rate <u>19101</u>	hTRIG4 rate <u>15608</u>
Comments: <u>30μA, Coin (sparsification = OFF) ps6 = 5 Data rate \approx 65 MB/s</u>	Events <u>166K</u> Charge <u>19.10C</u>		Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.96%</u>	Max NPS anode current (single crystal) (μ A) <u>6.92</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk		

Run Number: <u>2062</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>03:30:27</u> Stop time (from RC): <u>04:31:14</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1830K</u>	hTRIG3 rate <u>25.7K</u>	hTRIG4 rate <u>20.3K</u>
Comments: <u>15μA, Coin sparse, ps6 = 0 power cycled</u>	Events <u>4M</u> Charge <u>27.48C</u>		Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.62%</u>	Max NPS anode current (single crystal) (μ A) <u>7.02</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk		

Run Number: <u>2063</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>04:35:49</u> Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments: <u>15μA, Coin sparse, ps6 = 0 No scalars, power-cycled crates + restart</u>	Events _____ Charge _____ C		Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk		

Run Number: <u>2064</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>04:49:</u> Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments: <u>15μA, Coin sparse ps6 = 0</u>	Events _____ Charge _____ C		Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk		

Run Number: <u>2064</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>04:49:</u> Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments: <u>15μA, Coin sparse ps6 = 0</u>	Events _____ Charge _____ C		Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk		

$p(e, e'\gamma) p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: / / Initials: _____
yy mm dd

Use a separate sheet for each configuration.

HMS

Configuration Name: kin-36-3
 coin_sparse
 coin

E_{beam}: 10.54 GeV I_{beam}: 15 μ A

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2 mm²

Q1	I-SET (from PSU) <u>798.99</u> A
	B-HALL <u>1.0674</u> T
Q2	I-SET (from PSU) <u>646</u> A
	B-HALL <u>-1.258</u> T
Q3	I-SET (from PSU) <u>308.2</u> A
	B-HALL <u>0.621</u> T
D	I-READ <u>2028.4</u> A
	B-NMR <u>1.69166</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

HMS
 p: +6.117 θ (TV): 12.37
From GUI Nearest 0.005

SHMS **NPS**
 θ (TV): 32.27 θ = SHMS 15.77
Nearest 0.005 Nearest 0.005
 -16.30°

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.29</u> mm
Nomin:		Nomin:

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: <u>2065</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>04:521</u> Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: Rate Too High 400 MB/s ps6 = 2

Events _____	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
Charge _____ C		

Run Number: <u>2066</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: data Rate too high 200 MB/s ps6 = 3

Events _____	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
Charge _____ C		

Run Number: <u>2067</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	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?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: data rate > 100 MB/s ps6 = 4

Events _____	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
Charge _____ C		

Run Number: <u>2068</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>8</u>	Start time (from RC): <u>05:17:44</u> Stop time (from RC): <u>05:17:44</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1800K</u>	hTRIG3 rate <u>26010</u>	hTRIG4 rate <u>1951</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: ps6 = 8 15 μ A, Coin sparse data rate \approx 7.5 MB/s

Events <u>134K</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.62%</u>	Max NPS anode current (single crystal) (μ A) <u>7.02</u>
Charge <u>32.19 nC</u>		

$p(e, e'\gamma) p$ Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23, 10, 22
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Kin-36-3
coin_sparse
coin

E_{beam} : 10.54 GeV I_{beam} : 15 μA

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: 2x2 mm²

Q1	I-SET (from PSU)	<u>798.99</u>	A
	B-HALL	<u>1.0674</u>	T
Q2	I-SET (from PSU)	<u>646</u>	A
	B-HALL	<u>-1.258</u>	T
Q3	I-SET (from PSU)	<u>308.2</u>	A
	B-HALL	<u>0.621</u>	T
D	I-READ	<u>2028.4</u>	A
	B-NMR	<u>1.69166</u>	T

If momentum increased:
 HMS cycled?

HMS
 p : $+0$ 6.117 θ (TV): 12.87
From GUI Nearest 0.005

SHMS NPS
 θ (TV): 32.27 θ = SHMS 15.97
Nearest 0.005 -16.30° Nearest 0.005

Beam position and angle on target:

3H07A	X	<u>1.7</u> mm	Y	<u>0.3</u> mm
Nomin:				
3H07C	X	<u>0.7</u> mm	Y	<u>0.3</u> mm
Nomin:				

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: <u>2069</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>6</u>	Start time (from RC): <u>06:07:40</u> Stop time (from RC): <u>06:38:50</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1790K</u>	hTRIG3 rate <u>25630</u>	hTRIG4 rate <u>2013</u>
Comments: <u>15 μA, Coin sparse, ps6 = 6, rate some</u>	Events <u>361K</u> Charge <u>22.66 mC</u>		Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.99%</u>	Max NPS anode current (single crystal) (μA) <u>6.27</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk		

Run Number: <u>2070</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>5</u>	Start time (from RC): <u>06:43:47</u> Stop time (from RC): <u>07:05:54</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1220K</u>	hTRIG3 rate <u>16171</u>	hTRIG4 rate <u>13293</u>
Comments: <u>10 μA Coin sparse, ps6 = 5, data rate = 20 MB/s, trig. rate = 250</u>	Events <u>256K</u> Charge <u>11.92 mC</u>		Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.94%</u>	Max NPS anode current (single crystal) (μA) <u>4.10</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk		

Run Number: <u>2071</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>4</u>	Start time (from RC): <u>07:09:26</u> Stop time (from RC): <u>07:27:01</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>5720K</u>	hTRIG3 rate <u>8296</u>	hTRIG4 rate <u>6739</u>
Comments: <u>5 μA Coin sparse, ps6 = 4; data rate = 7.5 MB/s, trig. rate = 130</u>	Events _____ Charge <u>4.35 mC</u>		Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.63%</u>	Max NPS anode current (single crystal) (μA) <u>2.61</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk		

Run Number: <u>2072</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>07:28:02</u> Stop time (from RC): <u>07:48:55</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>5850K</u>	hTRIG3 rate <u>8187</u>	hTRIG4 rate <u>667</u>
Comments: <u>5 μA Coin sparse, ps6 = 0; data rate = 60 MB/s, trig. rate = 1 kHz</u>	Events <u>908K</u> Charge _____ C		Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.63%</u>	Max NPS anode current (single crystal) (μA) <u>2.70</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk		

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/22
yy mm dd

Initials: EF

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Km-36-3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: _____ μ A

Raster: On Off
 Size: 2x2 mm²

Q1	I-SET (from PSU) <u>798.99</u> A
	B-HALL <u>1.0674</u> T
Q2	I-SET (from PSU) <u>646</u> A
	B-HALL <u>-1.258</u> T
Q3	I-SET (from PSU) <u>308.2</u> A
	B-HALL <u>0.621</u> T
D	I-READ <u>2028.4</u> A
	B-NMR <u>1.69166</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

HMS
 p: +10 6.117 θ (TV): 12.37
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.71</u> mm		<u>0.291</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.698</u> mm		<u>0.299</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 22.27 θ = SHMS 15.97
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: 2072
 LH2 10cm LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.

PS1: -1 PS2: -1 PS3: 2 PS4: -1 PS5: -1 PS6: -1

Start time (from RC): 07:50:02
 Stop time (from RC): 07:

Settings Verified? HV OK? 50k OK?

hTRIG1 rate hTRIG3 rate hTRIG4 rate
 hTRIG5 rate hTRIG6 rate Data ok
 Junk

Comments: 15 μ A, coin sparse, ps3 = 2, data rate = 400 MB/s

Events _____ Charge C Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μ A)

Run Number: 2078
 LH2 10cm LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.

PS1: -1 PS2: -1 PS3: 4 PS4: -1 PS5: -1 PS6: -1

Start time (from RC): 08:25:17
 Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

hTRIG1 rate 888e5 hTRIG3 rate 12003 hTRIG4 rate 10085
 hTRIG5 rate 2421 hTRIG6 rate 1932 Data ok
 Junk

Comments: _____

Events _____ Charge C Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μ A)

Run Number: 2079
 LH2 10cm LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.

PS1: -1 PS2: -1 PS3: 4 PS4: -1 PS5: -1 PS6: -1

Start time (from RC): 08:38:41
 Stop time (from RC): 08:02

Settings Verified? HV OK? 50k OK?

hTRIG1 rate 9.48e5 hTRIG3 rate 12848 hTRIG4 rate 9777
 hTRIG5 rate 2380 hTRIG6 rate 1797 Data ok
 Junk Maybe?

Comments: 7.5 μ A DAQ chokes

Events _____ Charge 8.4C Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μ A)

Run Number: 2080
 LH2 10cm LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.

PS1: -1 PS2: -1 PS3: 4 PS4: -1 PS5: 1 PS6: -1

Start time (from RC): 9:05
 Stop time (from RC): 9:33

Settings Verified? HV OK? 50k OK?

hTRIG1 rate 9.78e5 hTRIG3 rate 13134 hTRIG4 rate 10025
 hTRIG5 rate 2531 hTRIG6 rate 1995 Data ok
 Junk Maybe?

Comments: 7.5 μ A DAQ chokes (less frequent)

Events 1.584 Charge 8.4C Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μ A)

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/22
yy mm dd

Initials: EE

Use a separate sheet for each configuration.

HMS

Configuration Name: Krn 36-3

coin_sparse
coin

E_{beam}: 10.58 GeV I_{beam}: 5-15 μ A

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2

HMS
 p: +06.117 θ (TV): 12.385
From GUI Nearest 0.005

SHMS **NPS**
 θ (TV): 32.26 θ = SHMS 15.96
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>798.59</u> A
	B-HALL <u>1.0603</u> T
Q2	I-SET (from PSU) <u>646.00</u> A
	B-HALL <u>-1.76087</u> T
Q3	I-SET (from PSU) <u>308.20</u> A
	B-HALL <u>0.62214</u> T
D	I-READ <u>2028.42</u> A
	B-NMR <u>1.69166</u> T
If momentum increased: <input checked="" type="checkbox"/> HMS cycled?	

Run Number: 2082
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l

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

Start time (from RC): 9:37 Stop time (from RC): 10:16

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 5.78e5 hTRIG3 rate: 8203 hTRIG4 rate: 6686
 hTRIG5 rate: 1183 hTRIG6 rate: 982

Comments: SMA

Events: 1.494 Charge: C Active trigger LiveTime fraction (NPS Scaler Gui): 99.913 Max NPS anode current (single crystal) (μ A): 2.63

Data ok Junk

Run Number: 2083
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l

PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____

Start time (from RC): _____ Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
 hTRIG5 rate: _____ hTRIG6 rate: _____

Comments: 7.5 SMA COIA,

Events: _____ Charge: C Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal) (μ A): _____

Data ok Junk

Run Number: 2084
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l

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

Start time (from RC): 10:21 Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: 12543 hTRIG4 rate: 9885
 hTRIG5 rate: 2585 hTRIG6 rate: 2093

Comments: 7.5 SMA, coin config sparse

Events: _____ Charge: C Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal) (μ A): _____

Data ok Junk

Run Number: _____
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l

PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____

Start time (from RC): _____ Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
 hTRIG5 rate: _____ hTRIG6 rate: _____

Comments: _____

Events: _____ Charge: C Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal) (μ A): _____

Data ok Junk

p(e,e' γ)p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/22
yy mm dd

Initials: EF

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Kin 36-3

coin_sparse
coin

E_{beam}: 10.58 GeV I_{beam}: 5.8 μ A

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: 2x2

Q1	I-SET (from PSU) <u>798.99</u> A
	B-HALL <u>1.0603</u> T
Q2	I-SET (from PSU) <u>646.0</u> A
	B-HALL <u>-1.7608</u> T
Q3	I-SET (from PSU) <u>308.20</u> A
	B-HALL <u>0.62214</u> T
D	I-READ <u>2078.42</u> A
	B-NMR <u>1.69166</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

HMS
p: +06.117 θ (TV): 12.385
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		

SHMS **NPS**
 θ (TV): 32.26 θ = SHMS 15.96
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: <u>2085</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>3</u>	Start time (from RC): <u>10:27</u> Stop time (from RC): <u>10:43</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>9.10⁵</u>	hTRIG3 rate <u>12.5k</u>	hTRIG4 rate <u>10k</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk <u>Maybe?</u>
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Comments: 2.5 μ A, frequent CODA chokes

Events _____ Charge 6.7mc

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____

Run Number: <u>2086</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>4</u>	Start time (from RC): <u>10:44</u> Stop time (from RC): <u>11:05</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>9.13e5</u>	hTRIG3 rate <u>12600</u>	hTRIG4 rate <u>10152</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk <u>Maybe</u>
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Comments: 2.5 μ A, still frequent CODA chokes

Events _____ Charge 2.3mc

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____

Run Number: <u>2087</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>5</u>	Start time (from RC): <u>11:07</u> Stop time (from RC): <u>11:25</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>9.36e5</u>	hTRIG3 rate <u>12619</u>	hTRIG4 rate <u>9999</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk <u>Maybe</u>
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Comments: 7.0 μ A, frequent less CODA chokes

Events 105 Charge 6.4mc

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.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?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____

p(e,e' γ)p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/22
yy mm dd

Initials: EF

Use a separate sheet for each configuration.

HMS

Configuration Name: KFA 30-3

coin_sparse
coin

E_{beam}: 10.58 GeV I_{beam}: 5-15 μ A

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2

Q1	I-SET (from PSU) <u>79908</u> A
	B-HALL <u>1.06500</u> T
Q2	I-SET (from PSU) <u>0.46</u> A
	B-HALL <u>-1.26003</u> T
Q3	I-SET (from PSU) <u>308.00</u> A
	B-HALL <u>0.62149</u> T
D	I-READ <u>208242</u> A
	B-NMR <u>1.69166</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

HMS
 p: +06.117 θ (TV): 12.385
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
NomIn:		NomIn:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
NomIn:		NomIn:

SHMS **NPS**

θ (TV): 32.26 θ = SHMS 15.96
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: <u>2088</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>11:37</u> Stop time (from RC): <u>12:05</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6.20.10⁵</u>	hTRIG3 rate <u>9424</u>	hTRIG4 rate <u>7178</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 15 μ A

Events _____ Charge 20.1 μ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μ A)

Run Number: <u>2089</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>12:08</u> Stop time (from RC): _____	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>275e3</u>	hTRIG3 rate <u>4657</u>	hTRIG4 rate <u>3747</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 7.5 μ A

Events 511k Charge 176 μ C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.85% Max NPS anode current (single crystal) 2.75 (μ A)

Run Number: <u>2090</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>12:50</u> Stop time (from RC): <u>13:40</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6.38e3</u>	hTRIG3 rate <u>10058</u>	hTRIG4 rate <u>8063</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 15 μ A

Events 2.45M Charge 30.5 μ C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.69% Max NPS anode current (single crystal) 4.23 (μ A)

Run Number: <u>2091</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>13:42</u> Stop time (from RC): <u>14:30</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6.03.10⁵</u>	hTRIG3 rate <u>9876</u>	hTRIG4 rate <u>7871</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 15 μ A

Events 2.85M Charge 36 μ C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.69% Max NPS anode current (single crystal) 4.23 (μ A)

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 7/31/22
yy mm dd

Initials: EF

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Kin 36-3
 coin_sparse
 coin

E_{beam}: 10.58 GeV I_{beam}: 5-15 μ A

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2

HMS
 p: +0.6117 θ (TV): 12.385
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 32.26 θ = SHMS 15.96
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Q1	I-SET (from PSU) <u>398.99</u> A
	B-HALL <u>1.06800</u> T
Q2	I-SET (from PSU) <u>646.00</u> A
	B-HALL <u>-1.25969</u> T
Q3	I-SET (from PSU) <u>305.20</u> A
	B-HALL <u>0.62740</u> T
D	I-READ <u>2028.48A</u>
	B-NMR <u>1.69186</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: <u>2092</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>14:32</u> Stop time (from RC): <u>14:56</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>3.85.10⁵</u> hTRIG5 rate <u>646</u>	hTRIG3 rate <u>6644</u> hTRIG6 rate <u>542</u>	hTRIG4 rate <u>5380</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>10 μA</u>				Events <u>513K</u> Charge <u>12.5nC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.978</u>	Max NPS anode current (single crystal) <u>2.75</u> (μ A)	

Run Number: <u>2093</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>14:59</u> Stop time (from RC): <u>15:25</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.82.10⁵</u> hTRIG5 rate <u>216</u>	hTRIG3 rate <u>2269</u> hTRIG6 rate <u>186</u>	hTRIG4 rate <u>2690</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>SMA</u>				Events <u>220K</u> Charge <u>6.9nC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.933</u>	Max NPS anode current (single crystal) <u>1.84</u> (μ A)	

Run Number: <u>2094</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>2</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>15:27</u> Stop time (from RC): <u>15:48</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.67.10⁵</u> hTRIG5 rate <u>998</u>	hTRIG3 rate <u>9660</u> hTRIG6 rate <u>829</u>	hTRIG4 rate <u>8174</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>15MA</u>				Events <u>3.6M</u> Charge <u>16.13C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.9</u>	Max NPS anode current (single crystal) <u>4.22</u> (μ A)	

Run Number: <u>2095</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>15:52</u> Stop time (from RC): <u>16:07:33</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6.14.10⁵</u> hTRIG5 rate <u>1329</u>	hTRIG3 rate <u>9561</u> hTRIG6 rate <u>1095</u>	hTRIG4 rate <u>7878</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>15MA</u> <u>COIN SPARSE OFF</u>				Events <u>80845</u> Charge <u>11.33nC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.836</u>	Max NPS anode current (single crystal) <u>4.22</u> (μ A)	

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/22
yy mm dd

Initials: YZ

Use a separate sheet for each configuration.

HMS

Configuration Name: Kin36-3

coin_sparse
coin

E_{beam}: 10.58 GeV I_{beam}: see below nA

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2 mm

Q1	I-SET (from PSU) <u>798.99</u> A
	B-HALL <u>1.0627</u> T
Q2	I-SET (from PSU) <u>646</u> A
	B-HALL <u>-1.25717</u> T
Q3	I-SET (from PSU) <u>308.2</u> A
	B-HALL <u>0.62258</u> T
D	I-READ <u>2028.42</u> A
	B-NMR <u>1.69166</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

HMS
 p: +/- -6.117 θ (TV): 12.385
From GUI Nearest 0.005

SHMS **NPS**
 θ (TV): 32.265 θ = SHMS 15.965
Nearest 0.005 Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

Collimator: HMS: Large Sieve NPS Sweep Current 467.933

Run Number: <u>2096</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>16:23:24</u> Stop time (from RC): <u>17:09:03</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>9.11e5</u> hTRIG5 rate: <u>2481</u>	hTRIG3 rate: <u>12738</u> hTRIG6 rate: <u>2028</u>	hTRIG4 rate: <u>19188</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>7.5 uA</u>			Events <u>4.808e9</u> Charge <u>1.10mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>99.73%</u>	Max NPS anode current (single crystal): <u>3.33</u> (uA)		

Run Number: <u>2097</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>17:10:48</u> Stop time (from RC): <u>17:55:00</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>9.66e5</u> hTRIG5 rate: <u>2405</u>	hTRIG3 rate: <u>12957</u> hTRIG6 rate: <u>2018</u>	hTRIG4 rate: <u>9549</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>7.5 uA</u>			Events <u>4.90035e9</u> Charge <u>1.39mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>99.782%</u>	Max NPS anode current (single crystal): <u>3.18</u> (uA)		

Run Number: <u>2098</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>17:57:57</u> Stop time (from RC): <u>18:49:45</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>9.17e5</u> hTRIG5 rate: <u>2599</u>	hTRIG3 rate: <u>12576</u> hTRIG6 rate: <u>2206</u>	hTRIG4 rate: <u>9968</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>7.5 uA</u>			Events <u>4.97451e9</u> Charge <u>1.81mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>99.723%</u>	Max NPS anode current (single crystal): <u>3.18</u> (uA)		

Run Number: <u>2099</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>18:51:18</u> Stop time (from RC): <u>19:38:09</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>9.18e5</u> hTRIG5 rate: <u>2309</u>	hTRIG3 rate: <u>12651</u> hTRIG6 rate: <u>1842</u>	hTRIG4 rate: <u>10021</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>7.5 uA</u>			Events <u>4.91615e9</u> Charge <u>1.812mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>99.792%</u>	Max NPS anode current (single crystal): <u>3.35</u> (uA)		

p(e,e' γ)p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/22
yy mm dd

Initials: YZ

Use a separate sheet for each configuration.

HMS

Configuration Name: Kin36-3

coin_sparse
coin

E_{beam}: 10.58 GeV I_{beam}: _____ μ A

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2 mm

Q1	I-SET (from PSU) <u>798.99</u> A
	B-HALL <u>1.0627</u> T
Q2	I-SET (from PSU) <u>64.6</u> A
	B-HALL <u>-1.25717</u> T
Q3	I-SET (from PSU) <u>308.2</u> A
	B-HALL <u>0.62258</u> T
D	I-READ <u>2178.42</u> A
	B-NMR <u>1.69166</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

HMS
 p: +/- -6.117 θ (TV): 12.385
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 32.265 θ = SHMS 15.965
Nearest 0.005 Nearest 0.005
 -16.30°

Collimator: HMS: Large Sieve NPS Sweep Current 467.933

Run Number: <u>2100</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: 0	Start time (from RC): <u>19:44:20</u> Stop time (from RC): <u>20:08:58</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>5.45e5</u>	hTRIG3 rate: <u>7815</u>	hTRIG4 rate: <u>6306</u>
Comments: <u>5 μA</u>			Events <u>1122076</u> Charge <u>6.05mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.93%</u>	hTRIG5 rate: <u>976</u>	hTRIG6 rate: <u>858</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
				Max NPS anode current (single crystal) <u>206</u> (μ A)			

Run Number: <u>2101</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: - PS2: - PS3: 3 PS4: - PS5: - PS6: -	Start time (from RC): <u>20:16:05</u> Stop time (from RC): <u>20:42:49</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>9.08e5</u>	hTRIG3 rate: <u>11623</u>	hTRIG4 rate: <u>9227</u>
Comments: <u>7.5 μA</u>			Events <u>2958854</u> Charge <u>8.45mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>X</u>	hTRIG5 rate: <u>2207</u>	hTRIG6 rate: <u>1761</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
				Max NPS anode current (single crystal) <u>3.04</u> (μ A)			

Run Number: <u>2102</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: 0	Start time (from RC): <u>20:49:17</u> Stop time (from RC): <u>21:12:10</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.79e6</u>	hTRIG3 rate: <u>7777</u>	hTRIG4 rate: <u>6283</u>
Comments: <u>5 μA</u>			Events <u>2945560</u> Charge <u>5.65mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.66%</u>	hTRIG5 rate: <u>2980</u>	hTRIG6 rate: <u>2435</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
				Max NPS anode current (single crystal) <u>2.19</u> (μ A)			

Run Number: <u>2103</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: 2	Start time (from RC): <u>21:18:35</u> Stop time (from RC): <u>21:19:32</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate: _____	hTRIG3 rate: _____	hTRIG4 rate: _____
Comments: <u>7.5 μA</u>			Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui) _____	hTRIG5 rate: _____	hTRIG6 rate: _____	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
				Max NPS anode current (single crystal) _____ (μ A)			

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/22
yy mm dd

Initials: YZ

Use a separate sheet for each configuration.

HMS

Configuration Name: km36-3

coin_sparse
 coin

Purpose:

Production
 Test
 Optics
 Other: _____

E_{beam}: 10.8 GeV I_{beam}: _____ μ A

Raster: On Off
 Size: 2x2 mm

HMS

p: +/- -6.11 θ (TV): 12.385
 From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS**

θ (TV): 32.265 θ = SHMS 15.965
 Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve
 NPS Sweep Current 467.933

Q1	I-SET (from PSU)	<u>798.99</u>	A
	B-HALL	<u>1.0627</u>	T
Q2	I-SET (from PSU)	<u>64.6</u>	A
	B-HALL	<u>-1.25717</u>	T
Q3	I-SET (from PSU)	<u>308.2</u>	A
	B-HALL	<u>0.62258</u>	T
D	I-READ	<u>2028.42</u>	A
	B-NMR	<u>1.6966</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?			

Run Number: <u>2104</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>3</u>	Start time (from RC): <u>21:20:39</u> Stop time (from RC): <u>21:32:18</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>9.21e5</u> hTRIG5 rate <u>2393</u>	hTRIG3 rate <u>12122</u> hTRIG6 rate <u>1917</u>	hTRIG4 rate <u>9635</u> Data ok <input type="checkbox"/> Junk <input type="checkbox"/>
Comments: <u>7.5 uA</u>				Events <u>245974</u> Charge <u>4.51 MC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.979%</u>	Max NPS anode current (single crystal) <u>3.12</u> (μ A)	

Run Number: <u>2105</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: <u>0</u> PS6: <u>0</u>	Start time (from RC): <u>21:51:50</u> Stop time (from RC): <u>22:09:53</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.28e6</u> hTRIG5 rate <u>5211</u>	hTRIG3 rate <u>18338</u> hTRIG6 rate <u>4092</u>	hTRIG4 rate <u>14211</u> Data ok <input checked="" type="checkbox"/> Junk <input type="checkbox"/>
Comments: <u>30 uA</u>				Events <u>278111</u> Charge <u>20.15 MC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>98.366%</u>	Max NPS anode current (single crystal) <u>9.85</u> (μ A)	

Run Number: <u>2106</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: <u>0</u> PS6: <u>0</u>	Start time (from RC): <u>22:26:56</u> Stop time (from RC): _____	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.31e6</u> hTRIG5 rate <u>5258</u>	hTRIG3 rate <u>19001</u> hTRIG6 rate <u>4102</u>	hTRIG4 rate <u>14640</u> Data ok <input type="checkbox"/> Junk <input type="checkbox"/>
Comments: <u>30 uA</u> CODA Ending Problem				Events <u>X</u> Charge <u>X</u> C	Active trigger LiveTime fraction (NPS Scaler Gui) <u>97.258%</u>	Max NPS anode current (single crystal) <u>9.67</u> (μ A)	

Run Number: <u>2107</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: <u>0</u> PS6: <u>0</u>	Start time (from RC): <u>22:59:05</u> Stop time (from RC): <u>23:22:03</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6.08e5</u> hTRIG5 rate <u>1289</u>	hTRIG3 rate <u>9392</u> hTRIG6 rate <u>1006</u>	hTRIG4 rate <u>7355</u> Data ok <input type="checkbox"/> Junk <input type="checkbox"/>
Comments: <u>15 uA</u>				Events <u>125877</u> Charge <u>18.18</u> C	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.779%</u>	Max NPS anode current (single crystal) <u>5.14</u> (μ A)	

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/23
yy mm dd

Initials: YZ

Use a separate sheet for each configuration.

HMS

Configuration Name: Rm36-3

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.58 GeV I_{beam}: 15 μ A

Raster: On Off
Size: 2x2 mm

HMS
 p: +/- -6.11 θ (TV): 12.385
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

SHMS
 θ (TV): 32.265
Nearest 0.005

NPS
 θ = SHMS 15.965
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 467.933

Q1	I-SET (from PSU) <u>798.99</u> A
	B-HALL <u>1.0627</u> T
Q2	I-SET (from PSU) <u>64.6</u> A
	B-HALL <u>-1.25717</u> T
Q3	I-SET (from PSU) <u>308.2</u> A
	B-HALL <u>0.62258</u> T
D	I-READ <u>2028.42</u> A
	B-NMR <u>1.69166</u> T
if momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: <u>2108</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>00:09:30</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6050K</u>	hTRIG3 rate <u>9893</u>	hTRIG4 rate <u>7731</u>
Comments: <u>15 μA, Coin sparse, ps6 = 0</u>	Events <u>2.45M</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.85%</u>	Stop time (from RC): <u>01:00:32</u>	Charge <u>31.78mC</u>	hTRIG5 rate <u>1302</u>	hTRIG6 rate <u>1117</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
		Max NPS anode current (single crystal) <u>3.43</u> (μ A)					

Run Number: <u>2109</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>01:06:53</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments: <u>20 μA, Coin sparse, ps6 = 0</u>	Events _____	Active trigger LiveTime fraction (NPS Scaler Gui)	Stop time (from RC): <u>01:13:22</u>	Charge _____ C	hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
		Max NPS anode current (single crystal) (μ A)	Junk - high rates				

Run Number: <u>2110</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>01:16:37</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>5900K</u>	hTRIG3 rate <u>9602</u>	hTRIG4 rate <u>7874</u>
Comments: <u>15 μA, Coin sparse, ps6 = 0</u>	Events <u>2.906M</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.91%</u>	Stop time (from RC): <u>02:05:39</u>	Charge <u>37.87mC</u>	hTRIG5 rate <u>1343</u>	hTRIG6 rate <u>1020</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
		Max NPS anode current (single crystal) <u>3.29</u> (μ A)					

Run Number: <u>2111</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>02:07:27</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>3650K</u>	hTRIG3 rate <u>6418</u>	hTRIG4 rate <u>5196</u>
Comments: <u>10 μA, Coin sparse, ps6 = 0</u>	Events <u>733K</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Stop time (from RC): <u>02:35:58</u>	Charge <u>12.97mC</u>	hTRIG5 rate <u>612</u>	hTRIG6 rate <u>520</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
		Max NPS anode current (single crystal) <u>2.26</u> (μ A)					

p(e,e') p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/23
yy mm dd

Initials: M.D

Use a separate sheet for each configuration.

HMS

Configuration Name: Kn 36-3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 5-10 μ A

Raster: On Off
 Size: 2x2 mm²

HMS 12.37
 p: +0.6 eV θ (TV): 12.37
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:	Nomin:	
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:	Nomin:	

SHMS θ (TV): 32.7
Nearest 0.005

NPS $\theta =$ SHMS 15.96
-16.30
Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Q1	I-SET (from PSU) <u>798.99</u> A
	B-HALL <u>1.0627</u> T
Q2	I-SET (from PSU) <u>646</u> A
	B-HALL <u>-1.257</u> T
Q3	I-SET (from PSU) <u>308.2</u> A
	B-HALL <u>0.62258</u> T
D	I-READ <u>2028.42</u> A
	B-NMR <u>1.6966</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 2112
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.

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

Start time (from RC): 02:37:10
 Stop time (from RC): 03:03:04

Settings Verified? HV OK? 50k OK?

hTRIG1 rate 1830K hTRIG3 rate 3272 hTRIG4 rate 2625
 hTRIG5 rate 214 hTRIG6 rate 190

Comments: 5 MA, Coin Sparse, ps6 = 0

Events 260K Charge C Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 1.11 μ A

Run Number: 2113
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.

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

Start time (from RC):
 Stop time (from RC):

Settings Verified? HV OK? 50k OK?

hTRIG1 rate hTRIG3 rate hTRIG4 rate
 hTRIG5 rate hTRIG6 rate

Comments: 15 MA, Coin Sparse, ps5 = 0 data rate \approx 100 MB/s ev. rate \approx 5 KHz

Events _____ Charge _____ C Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) μ A

Run Number: 2114
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.

PS1: -1 PS2: -1 PS3: 2 PS4: -1 PS5: -1 PS6: -1

Start time (from RC):
 Stop time (from RC):

Settings Verified? HV OK? 50k OK?

hTRIG1 rate hTRIG3 rate hTRIG4 rate
 hTRIG5 rate hTRIG6 rate

Comments: 15 MA, Coin Sparse, ps3 = 1 data rate = 60 MB/s ev. rate = 3.2 KHz

Events _____ Charge _____ C Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) μ A

Run Number: 2115
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.

PS1: -1 PS2: -1 PS3: 3 PS4: -1 PS5: -1 PS6: -1

Start time (from RC):
 Stop time (from RC):

Settings Verified? HV OK? 50k OK?

hTRIG1 rate hTRIG3 rate hTRIG4 rate
 hTRIG5 rate hTRIG6 rate

Comments: 15 MA Coin Sparse ps3 = 2 ps5 = 2 high rates

Events _____ Charge _____ C Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) μ A

p(e,e') p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: / /
yy mm dd

Initials:

HMS

Configuration Name: Run 36-3

coin_sparse
coin

E_{beam}: 10.54 GeV I_{beam}: 15 μ A

Purpose:
 Production
 Test
 Optics
 Other:

Raster: On Off
 Size: 2x2 mm²

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>798.99</u> A
	B-HALL <u>1.0627</u> T
Q2	I-SET (from PSU) <u>646</u> A
	B-HALL <u>-1.257</u> T
Q3	I-SET (from PSU) <u>308.2</u> A
	B-HALL <u>0.62258</u> T
D	I-READ <u>2028.42</u> A
	B-NMR <u>1.6966</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

HMS
 p: +0.6.11 θ (TV): 12.37
From GUI Nearest 0.005

SHMS NPS
 θ (TV): 32.7 θ = SHMS 15.96
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: <u>2116</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>3.4</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate hTRIG5 rate	hTRIG3 rate hTRIG6 rate	hTRIG4 rate Data ok <input type="checkbox"/> Junk <input checked="" type="checkbox"/>
Comments: <u>15 μA, Coin sparse, ps3=4 det. rate = 60 MB/s</u>			Events <u> </u> Charge <u>C</u>	Active trigger fraction (NPS Scaler Gui)	LiveTime <u> </u>	Max NPS anode current (single crystal) (μ A)	

Run Number: <u>2117</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>4</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>03:13:50</u> Stop time (from RC): <u>03:35:49</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>5970 R</u> hTRIG5 rate <u>1262</u>	hTRIG3 rate <u>9576</u> hTRIG6 rate <u>1034</u>	hTRIG4 rate <u>7922</u> Data ok <input checked="" type="checkbox"/> Junk <input type="checkbox"/>
Comments: <u>15 μA, Coin sparse, ps3=4</u>			Events <u>1.214M</u> Charge <u>16.02 MC</u>	Active trigger fraction (NPS Scaler Gui)	LiveTime <u>99.96</u>	Max NPS anode current (single crystal) (μ A)	<u>4.6</u>

Run Number: <u>2118</u> <u>201</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate hTRIG5 rate	hTRIG3 rate hTRIG6 rate	hTRIG4 rate Data ok <input type="checkbox"/> Junk <input checked="" type="checkbox"/>
Comments: <u>15 μA, Coin (sparse off) ps6=0</u>			Events <u> </u> Charge <u>C</u>	Active trigger fraction (NPS Scaler Gui)	LiveTime <u> </u>	Max NPS anode current (single crystal) (μ A)	

Run Number: <u>2119</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>1</u>	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate hTRIG5 rate	hTRIG3 rate hTRIG6 rate	hTRIG4 rate Data ok <input type="checkbox"/> Junk <input checked="" type="checkbox"/>
Comments: <u>15 μA, Coin (sparse off) ps6=1</u>			Events <u> </u> Charge <u>C</u>	Active trigger fraction (NPS Scaler Gui)	LiveTime <u> </u>	Max NPS anode current (single crystal) (μ A)	

p(e,e') p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/23
yy mm dd

Initials: M-D

Use a separate sheet for each configuration.

HMS

Configuration Name: Km 36-3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 5-7.5 μ A

Raster: On Off
 Size: 2x2 mm²

HMS
 p: +6.4 θ (TV): 12.37
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 32.7 θ = SHMS 15.96
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Q1	I-SET (from PSU) <u>789.99</u> A
	B-HALL <u>1.0627</u> T
Q2	I-SET (from PSU) <u>646</u> A
	B-HALL <u>-1.257</u> T
Q3	I-SET (from PSU) <u>308</u> A
	B-HALL <u>0.62258</u> T
D	I-READ <u>2028.42</u> A
	B-NMR <u>1.6966</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 2120
 LH2 10cm PS1: - Start time (from RC):
 LD2 10cm PS2: - Stop time (from RC):
 Dummy 10cm PS3: -
 Optics#1 8cm PS4: -
 C 0.5% r.l.i. PS5: -
 PS6: 3
 Settings Verified?
 HV OK?
 50k OK?

Comments: 15 μ A; Coin (sparse off) ps6=3 CoDA Stick
 Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____
 Charge _____ C Data ok Junk

Run Number: 2121
 LH2 10cm PS1: - Start time (from RC):
 LD2 10cm PS2: - Stop time (from RC):
 Dummy 10cm PS3: -
 Optics#1 8cm PS4: -
 C 0.5% r.l.i. PS5: -
 PS6: 3
 Settings Verified?
 HV OK?
 50k OK?

Comments: 15 μ A; Coin (sparse off) data rate > 100 MB/s
 Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____
 Charge _____ C Data ok Junk

Run Number: 2122
 LH2 10cm PS1: -1 Start time (from RC):
 LD2 10cm PS2: -1 Stop time (from RC):
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.i. PS5: -1
 PS6: 4
 Settings Verified?
 HV OK?
 50k OK?

Comments: 15 μ A; Coin (sparse off) ps6=4 data rate \approx 30 MB/s
 Events 85K Active trigger LiveTime fraction (NPS Scaler Gui) 6220 Max NPS anode current (single crystal) (μ A) 8174
 Charge _____ C hTRIG1 rate 1444 hTRIG3 rate 10260 hTRIG4 rate 8174
 hTRIG5 rate 1116 hTRIG6 rate _____ Data ok Junk

Run Number: 2123
 LH2 10cm PS1: -1 Start time (from RC):
 LD2 10cm PS2: -1 Stop time (from RC):
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.i. PS5: -1
 PS6: 0
 Settings Verified?
 HV OK?
 50k OK?

Comments: 7.5 μ A Event rate \approx 2.3 $\frac{Hz}{3}$ = 3 KHz
 Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____
 Charge _____ C

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/22
yy mm dd

Initials: MD

Use a separate sheet for each configuration.

HMS

Configuration Name: Kin36-3
 coin_sparse
 coin

E_{beam}: 10.54 GeV I_{beam}: 5-7.5 μ A

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2 mm²

Q1	I-SET (from PSU)	<u>789.99</u> A
	B-HALL	<u>1.0627</u> T
Q2	I-SET (from PSU)	<u>646</u> A
	B-HALL	<u>-1.257</u> T
Q3	I-SET (from PSU)	<u>308.2</u> A
	B-HALL	<u>0.62258</u> T
D	I-READ	<u>2028.92</u> A
	B-NMR	<u>1.6966</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?		

HMS
 p: +0 6.11 θ (TV): 12.57
From GUI Nearest 0.005

SHMS **NPS**
 θ (TV): 32.7 θ = SHMS 15.96
Nearest 0.005 -16.30° Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: <u>2124</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments: <u>7MA Coin Sparse data rate 43 kHz</u>					hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Events _____	Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)				

Run Number: <u>2125</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments: <u>7MA 6.5 μA, Coin Sparse ps6=0</u>					hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Events _____	Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)				

Run Number: <u>2126</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments: <u>6.0 μA, Coin Sparse, ps6=0</u>					hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Events _____	Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)				

Run Number: <u>2127</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>05:43:20</u> Stop time (from RC): <u>06:30:59</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>5860</u>	hTRIG3 rate <u>8287</u>	hTRIG4 rate <u>6713</u>
Comments: <u>I=5.0 μA, Coin Sparse, ps6=0</u>					hTRIG5 rate <u>1132</u>	hTRIG6 rate <u>908</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Events <u>2.215M</u>	Charge <u>11.94mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.918%</u>	Max NPS anode current (single crystal) (μ A) <u>1.92</u>				

p(e,e' γ)p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/23
yy mm dd

Initials: Mid

Use a separate sheet for each configuration.

HMS

Configuration Name: Km 36-3

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 5 μ A

Raster: On Off
 Size: 2x2mm²

Q1	I-SET (from PSU)	<u>789.99</u> A
	B-HALL	<u>1.0627</u> T
Q2	I-SET (from PSU)	<u>646</u> A
	B-HALL	<u>-1.257</u> T
Q3	I-SET (from PSU)	<u>308.2</u> A
	B-HALL	<u>0.62258</u> T
D	I-READ	<u>2028.42</u> A
	B-NMR	<u>1.6966</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?		

HMS
 p: +6.11 θ (TV): 12.37
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

SHMS NPS
 θ (TV): 32.7 θ = SHMS 15.96
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: <u>2128</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>06:32:10</u> Stop time (from RC): <u>07:15:46</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6120K</u>	hTRIG3 rate <u>8543</u>	hTRIG4 rate <u>6878</u>
					hTRIG5 rate <u>1205</u>	hTRIG6 rate <u>956</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>5 μA, Coin Sparse, ps6=0</u>			Events <u>2.3M</u> Charge <u>11.89nC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.926%</u>	Max NPS anode current (single crystal) (μ A) <u>1.99</u>		

Run Number: <u>2129</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>07:16:51</u> Stop time (from RC): <u>07:58:17</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6120K</u>	hTRIG3 rate <u>8344</u>	hTRIG4 rate <u>6603</u>
					hTRIG5 rate <u>1120</u>	hTRIG6 rate <u>930</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>5 μA, Coin Sparse, ps6=0</u>			Events <u>2.14M</u> Charge <u>11.26nC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.935%</u>	Max NPS anode current (single crystal) (μ A) <u>2.24</u>		

Run Number: <u>2130</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>07:59:24</u> Stop time (from RC): <u>8:48:58</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6670</u>	hTRIG3 rate <u>8208</u>	hTRIG4 rate <u>6539</u>
					hTRIG5 rate <u>1161</u>	hTRIG6 rate <u>996</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>5 μA, coin sparse, ps6=0</u>			Events <u>2.285M</u> Charge <u>12.26nC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.886%</u>	Max NPS anode current (single crystal) (μ A) <u>2.34</u>		

Run Number: <u>2131</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>8:59</u> Stop time (from RC): <u>9:13</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6.22es</u>	hTRIG3 rate <u>10156</u>	hTRIG4 rate <u>8099</u>
					hTRIG5 rate <u>1413</u>	hTRIG6 rate <u>1124</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>15 μA, short run</u>			Events <u>791K</u> Charge <u>9.84nC</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)		

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/23
yy mm dd

Initials: EE

Use a separate sheet for each configuration.

HMS

Configuration Name: 7777 Kin 30-3'

coin_sparse
coin

E_{beam}: 10.58 GeV I_{beam}: 45.45 μ A

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2

Q1	I-SET (from PSU) <u>798.99</u> A
	B-HALL <u>1.06660</u> T
Q2	I-SET (from PSU) <u>646.00</u> A
	B-HALL <u>1.25727</u> T
Q3	I-SET (from PSU) <u>308.20</u> A
	B-HALL <u>0.61878</u> T
D	I-READ <u>2028.42</u> A
	B-NMR <u>1.69166</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

HMS
 p: +0.6117 θ (TV): 12.385
From GUI Nearest 0.005

SHMS **NPS**
 θ (TV): 36.285 θ = SHMS 19.985
Nearest 0.005 -16.30° Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: <u>2133</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>10:02</u> Stop time (from RC):	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.1310⁵</u>	hTRIG3 rate <u>10600</u>	hTRIG4 rate <u>8233</u>
					hTRIG5 rate <u>588</u>	hTRIG6 rate <u>500</u>	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

Comments: Beam studies: ~ 15mA @ 3S

Events _____	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.96%</u>	Max NPS anode current (single crystal) (μ A) <u>2.90</u>
Charge _____ C		

Run Number: <u>2155</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>13:13</u> Stop time (from RC): <u>13:23</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
					hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

Comments: BCM calibration: 100Hz EDTM Aborted

Events _____	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
Charge _____ C		

Run Number: <u>2156</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>14:15</u> Stop time (from RC): <u>14:32</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
					hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

Comments: BCM calibration: 100Hz EDTM Aborted

Events _____	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
Charge _____ C		

Run Number: <u>2157</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>14:33:57</u> Stop time (from RC): <u>16:28:55</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
					hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

Comments: BCM calibration: 100Hz EDTM

Events _____	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
Charge _____ C		

p(e,e') p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/23
yy mm dd

Initials: B.L.

Use a separate sheet for each configuration.

HMS

Configuration Name: Kinematic 36-3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.58 GeV I_{beam}: 7.5 μA

Raster: On Off
 Size: 2mm x 2mm

HMS
 p: +/- 6.17 θ(TV): 12.38
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.1</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

SHMS 32.2 **NPS**
 θ(TV): 32.2 θ = SHMS 15.955
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Q1	I-SET (from PSU) <u>789.99</u> A
	B-HALL <u>106460</u> T
Q2	I-SET (from PSU) <u>646.00</u> A
	B-HALL <u>-2.25777</u> T
Q3	I-SET (from PSU) <u>308.20</u> A
	B-HALL <u>0.61878</u> T
D	I-READ <u>2028.42</u> A
	B-NMR <u>1.69166</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: <u>2158</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>1</u> PS2: <u>1</u> PS3: <u>1</u> PS4: <u>1</u> PS5: <u>1</u> PS6: <u>0</u>	Start time (from RC): <u>17:58:50</u> Stop time (from RC): <u>18:46:48</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>980k</u> hTRIG3 rate <u>12k</u> hTRIG4 rate <u>12k</u> hTRIG5 rate <u>2.8k</u> hTRIG6 rate <u>2.3k</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Production

Events <u>3.98M</u> Charge <u>13.2c</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) <u>0.49</u> (μA)
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Run Number: <u>2159</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>1</u> PS2: <u>1</u> PS3: <u>1</u> PS4: <u>1</u> PS5: <u>1</u> PS6: <u>0</u>	Start time (from RC): <u>18:48</u> Stop time (from RC): <u>19:15</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>980k</u> hTRIG3 rate <u>12k</u> hTRIG4 rate <u>12k</u> hTRIG5 rate <u>2.8k</u> hTRIG6 rate <u>2.3k</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Production

Events <u>1.25M</u> Charge <u>3.89c</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) <u>3.54</u> (μA)
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Run Number: <u>2160</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>1</u> PS2: <u>1</u> PS3: <u>1</u> PS4: <u>1</u> PS5: <u>1</u> PS6: <u>0</u>	Start time (from RC): <u>19:17</u> Stop time (from RC): <u>19:49</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>980k</u> hTRIG3 rate <u>12k</u> hTRIG4 rate <u>12k</u> hTRIG5 rate <u>2.8k</u> hTRIG6 rate <u>2.3k</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Production

Events <u>3.47M</u> Charge <u>11.51c</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) <u>0.54</u> (μA)
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Run Number: <u>2161</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>1</u> PS2: <u>1</u> PS3: <u>1</u> PS4: <u>1</u> PS5: <u>1</u> PS6: <u>0</u>	Start time (from RC): <u>19:51</u> Stop time (from RC): <u>20:34</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>933k</u> hTRIG3 rate <u>12.7k</u> hTRIG4 rate <u>12.6k</u> hTRIG5 rate <u>2.7k</u> hTRIG6 rate <u>2.1k</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Production

Events <u>4.91M</u> Charge <u>16.5c</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) <u>3.44</u> (μA)
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p(e,e'γ) p Run Sheet

halicweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/23
yy mm dd

Initials: BL

Use a separate sheet for each configuration.

HMS

Configuration Name: Kinematic 36-3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.88 GeV I_{beam}: 7.5 μA

Raster: On Off
 Size: 2mm x 2mm

HMS
 p: +/- 6.117 θ(TV): 12.385
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ(TV): 32.255 θ = SHMS 15.955
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Q1	I-SET (from PSU)	<u>789.99</u> A
	B-HALL	<u>106460</u> T
Q2	I-SET (from PSU)	<u>646.00</u> A
	B-HALL	<u>-2.25/27</u> T
Q3	I-SET (from PSU)	<u>308.20</u> A
	B-HALL	<u>0.61878</u> T
D	I-READ	<u>2028.42</u> A
	B-NMR	<u>169166</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: 2162
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 _____ PS6: 0

Start time (from RC): 20:35 Settings Verified?
 Stop time (from RC): 21:25 HV OK?
 50k OK?

hTRIG1 rate: 933k hTRIG3 rate: 12.7k hTRIG4 rate: 12.6k
 hTRIG5 rate: 2.7k hTRIG6 rate: 2.1k Data ok
 Junk

Comments: Production

Events: 5.60M Active trigger LiveTime fraction (NPS Scaler Gui): 100 Max NPS anode current (single crystal): 3.04 (μA)
 Charge: 1861C

Run Number: 2163
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 _____ PS6: 0

Start time (from RC): 21:27 Settings Verified?
 Stop time (from RC): 21:52 HV OK?
 50k OK?

hTRIG1 rate: 93k hTRIG3 rate: 12.7k hTRIG4 rate: 12.6k
 hTRIG5 rate: 2.7k hTRIG6 rate: 2.1k Data ok
 Junk

Comments: Production (shorter Run)

Events: 2.93M Active trigger LiveTime fraction (NPS Scaler Gui): 100 Max NPS anode current (single crystal): 3.4 (μA)
 Charge: 9.82C

Run Number: 2164
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 _____ PS6: 0

Start time (from RC): 21:55 Settings Verified?
 Stop time (from RC): 22:26 HV OK?
 50k OK?

hTRIG1 rate: 606k hTRIG3 rate: 8.7k hTRIG4 rate: 6.843k
 hTRIG5 rate: 1.288k hTRIG6 rate: 1.084k Data ok
 Junk

Comments: Production 5μA

Events: 1.68 Active trigger LiveTime fraction (NPS Scaler Gui): 100 Max NPS anode current (single crystal): 2.36 (μA)
 Charge: 8.06C

Run Number: 2165
 LH2 10cm PS1: _____
 LD2 10cm PS2: _____
 Dummy 10cm PS3: _____
 Optics#1 8cm PS4: _____
 C 0.5% r.l.l PS5: _____
 _____ PS6: _____

Start time (from RC): _____ Settings Verified?
 Stop time (from RC): _____ HV OK?
 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
 hTRIG5 rate: _____ hTRIG6 rate: _____ Data ok
 Junk

Comments: _____

Events: _____ Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal): _____ (μA)
 Charge: _____ C

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: / /
yy mm dd

Initials:

HMS

Configuration Name: _____

coin_sparse

coin

E_{beam}: _____ GeV

I_{beam}: _____ μ A

Purpose:

Production

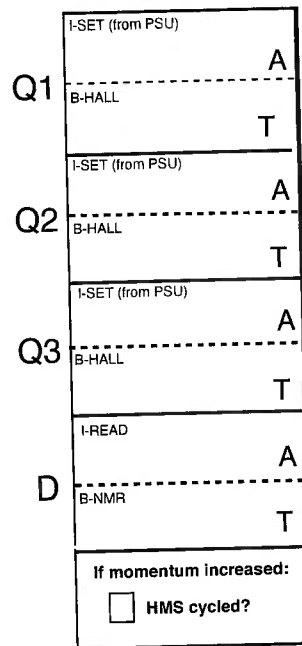
Test

Optics

Other: _____

Raster: On Off

Size: _____



HMS

p: +/- _____ θ (TV): _____
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	mm	mm
Nomin:		Nomin:
3H07C	X	Y
	mm	mm
Nomin:		Nomin:

SHMS

θ (TV): _____
Nearest 0.005

NPS

θ = SHMS -16.30
Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: 2166

LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l

PS1: -1
PS2: -1
PS3: 2
PS4: -1
PS5: -1
PS6: -1

Start time (from RC): _____

Stop time (from RC): _____

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate _____ hTRIG3 rate _____ hTRIG4 rate _____

hTRIG5 rate _____ hTRIG6 rate 4k.

Data ok
 Junk

Comments: _____

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____

Run Number: 2167

LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l

PS1: -1
PS2: -1
PS3: 4
PS4: -1
PS5: -1
PS6: -1

Start time (from RC): _____

Stop time (from RC): _____

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate _____ hTRIG3 rate _____ hTRIG4 rate _____

hTRIG5 rate _____ hTRIG6 rate 1.5

Data ok
 Junk

Comments: _____

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____

Run Number: 2168

LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l

PS1: -1
PS2: -1
PS3: 3
PS4: -1
PS5: -1
PS6: -1

Start time (from RC): 22:39

Stop time (from RC): 23:11

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate 971 k. hTRIG3 rate 12.5k hTRIG4 rate 10.13 k.

hTRIG5 rate 2.6k hTRIG6 rate 2.1k.

Data ok
 Junk

Comments: 7.5 μ A, P3=3.

Events _____ Charge 6.2 C

Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) (μ A) _____

Run Number: 2169

LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l

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

Start time (from RC): _____

Stop time (from RC): _____

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate _____ hTRIG3 rate _____ hTRIG4 rate _____

hTRIG5 rate _____ hTRIG6 rate _____

Data ok
 Junk

Comments: coin-sparse-Low. 125 MB, 5MA

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____

p(e,e') p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23 / 10 / 24
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
K_{min} 36-3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 7.5-30 μ A

Raster: On Off
 Size: 2x2 mm²

HMS
 p: +0 6.11 θ (TV): 12.385
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 32.25 θ = SHMS 15.96
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Q1	I-SET (from PSU) <u>789.99</u> A
	B-HALL <u>1.0627</u> T
Q2	I-SET (from PSU) <u>646</u> A
	B-HALL <u>-1.257</u> T
Q3	I-SET (from PSU) <u>308</u> A
	B-HALL <u>0.62258</u> T
D	I-READ <u>2028.42</u> A
	B-NMR <u>1.6766</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 2170
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l.
 Comments: _____

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

Start time (from RC): 23:26
 Stop time (from RC): 23:55

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 1.69M hTRIG3 rate: 8.3k hTRIG4 rate: 6.9k
 hTRIG5 rate: 3.2k hTRIG6 rate: 2.5k
 Data ok
 Junk

Events 1.5M Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) 1.0 (μ A)
 Charge 5.87nC

Comments: 60 MB. Coin_sparse - Low.

Run Number: 2171
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l.
 Comments: _____

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

Start time (from RC): _____
 Stop time (from RC): _____

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
 hTRIG5 rate: _____ hTRIG6 rate: _____
 Data ok
 Junk

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μ A)
 Charge _____ C

Run Number: 2172
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l.
 Comments: _____

PS1: - PS2: - PS3: - PS4: - PS5: - PS6: 3

Start time (from RC): 00:03:18
 Stop time (from RC): 01:16:1

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 9460 hTRIG3 rate: 12280 hTRIG4 rate: 9750
 hTRIG5 rate: 2560 hTRIG6 rate: 2110
 Data ok
 Junk

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μ A)
 Charge _____ C

Comments: 7.5 μ A, 10 min, Sparse off; ps6 = 3, 450 Hz, 100 MB/s

Run Number: 2173
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l.
 Comments: _____

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

Start time (from RC): 01:32:41
 Stop time (from RC): 02:00:37

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 1450K hTRIG3 rate: 17682 hTRIG4 rate: 14931
 hTRIG5 rate: 5665 hTRIG6 rate: 4760
 Data ok
 Junk

Events 4.42M Active trigger LiveTime fraction (NPS Scaler Gui) 97.0% Max NPS anode current (single crystal) 9.83 (μ A)
 Charge 20.22nC

Comments: 30 μ A, Dummy, 20 min, Coin-Sparse, ps6 = 0

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23, 10, 24
yy mm dd

Initials: M.D

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Run 36-3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 05-15 μ A

Raster: On Off
 Size: 2x2 mm²

Q1	I-SET (from PSU) <u>789.99</u> A
	B-HALL <u>1.0627</u> T
Q2	I-SET (from PSU) <u>646</u> A
	B-HALL <u>308-1.257</u>
Q3	I-SET (from PSU) <u>308</u> <u>0.62285</u> A
	B-HALL <u>0.62258</u> <u>2028.42</u> T
D	I-READ <u>2028.42</u> A
	B-NMR <u>1.6966</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

HMS
 p: +0.611 θ (TV): 12.37
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 32.26 θ = SHMS 15.96
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: <u>2174</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>02:02:21</u> Stop time (from RC): <u>02:24:18</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6170K</u>	hTRIG3 rate <u>9479</u>	hTRIG4 rate <u>7414</u>
					hTRIG5 rate <u>1302</u>	hTRIG6 rate <u>1048</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>15 μA, Dummy, Coin Sparse ps6=0</u>			Events <u>1.238M</u> Charge <u>167mC</u>	Active trigger fraction (NPS Scaler Gui) <u>99.99%</u>	LiveTime <u>99.99%</u>	Max NPS anode current (single crystal) <u>4.67</u> (μ A)	

Run Number: <u>2175</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>02:38:48</u> Stop time (from RC): <u>03:21:51</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6160K</u>	hTRIG3 rate <u>10119</u>	hTRIG4 rate <u>8101</u>
					hTRIG5 rate <u>1422</u>	hTRIG6 rate <u>1194</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>15 μA, LH2, Coin Sparse, ps6=0</u>			Events <u>2.828M</u> Charge <u>32.96mC</u>	Active trigger fraction (NPS Scaler Gui) <u>99.83%</u>	LiveTime <u>99.83%</u>	Max NPS anode current (single crystal) <u>3.62</u> (μ A)	

Run Number: <u>2176</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>03:22:46</u> Stop time (from RC): <u>04:05:29</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6370K</u>	hTRIG3 rate <u>1016</u>	hTRIG4 rate <u>8150</u>
					hTRIG5 rate <u>1520</u>	hTRIG6 rate <u>1223</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>15 μA, LH2, Coin Sparse, ps6=0; Run 2/2</u>			Events <u>2.829M</u> Charge <u>33.16mC</u>	Active trigger fraction (NPS Scaler Gui) <u>99.88%</u>	LiveTime <u>99.88%</u>	Max NPS anode current (single crystal) <u>3.85</u> (μ A)	

Run Number: <u>2177</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>4</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>04:07:13</u> Stop time (from RC): <u>04:29:46</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6030K</u>	hTRIG3 rate <u>9650</u>	hTRIG4 rate <u>8028</u>
					hTRIG5 rate <u>1397</u>	hTRIG6 rate <u>1223</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>15 μA, LH2, Coin Sparse, ps3=4; 20 min</u>			Events <u>1.632M</u> Charge <u>17.1mC</u>	Active trigger fraction (NPS Scaler Gui) <u>99.95%</u>	LiveTime <u>99.95%</u>	Max NPS anode current (single crystal) <u>3.86</u> (μ A)	

p(e,e') p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/24
yy mm dd

Initials: MD

Use a separate sheet for each configuration.

HMS

Configuration Name: Run 36-3

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 5-15 μA

Raster: On Off
 Size: 2x2 mm²

HMS
 p: +0 6.11 θ(TV): 12.37
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ(TV): 32.26 θ = SHMS 15.96
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Q1	I-SET (from PSU)	<u>789.99</u>	A
	B-HALL	<u>1.0627</u>	T
Q2	I-SET (from PSU)	<u>646</u>	A
	B-HALL	<u>-1.257</u>	T
Q3	I-SET (from PSU)	<u>308</u>	A
	B-HALL	<u>0.62258</u>	T
D	I-READ	<u>2028.42</u>	A
	B-NMR	<u>1.6966</u>	T

If momentum increased:
 HMS cycled?

Run Number: <u>2178</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>4</u>	Start time (from RC): <u>04:33:16</u> Stop time (from RC): <u>04:44:56</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6270 K</u> hTRIG5 rate <u>1457</u>	hTRIG3 rate <u>10052</u> hTRIG6 rate <u>1232</u>	hTRIG4 rate <u>8134</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 15μA, LHZ, Coin, ps6=4, 10min

Events <u>81.5K</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.99%</u>	Max NPS anode current (single crystal) <u>3.43</u> (μA)
Charge <u>8.64mC</u>		

Run Number: <u>2179</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>04:48:81</u> Stop time (from RC): <u>05:21:55</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>3940K</u> hTRIG5 rate <u>722</u>	hTRIG3 rate <u>6802</u> hTRIG6 rate <u>617</u>	hTRIG4 rate <u>5457</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 10μA, LHZ, Coin Sparse, ps6=0, 20min

Events <u>802K</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.75%</u>	Max NPS anode current (single crystal) <u>2.60</u> (μA)
Charge <u>11.24mC</u>		

Run Number: <u>2180</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>05:23:04</u> Stop time (from RC): <u>05:44:27</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1800 K</u> hTRIG5 rate <u>291</u>	hTRIG3 rate <u>3425</u> hTRIG6 rate <u>260</u>	hTRIG4 rate <u>2828</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 5μA, LHZ, Coin Sparse, ps6=0, 20min

Events <u>320K</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.94%</u>	Max NPS anode current (single crystal) <u>1.42</u> (μA)
Charge <u>11.34mC</u>		

Run Number: <u>2181</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>05:49:54</u> Stop time (from RC): <u>06:09:26</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1220 K</u> hTRIG5 rate <u>992</u>	hTRIG3 rate <u>3448</u> hTRIG6 rate <u>857</u>	hTRIG4 rate <u>2765</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 5μA, Coin Sparse low, ps6=0, 20min

Events <u>530K</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>1.11</u> (μA)
Charge <u>2.65mC</u>		

p(e,e') p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/24
yy mm dd

Initials: MD

Use a separate sheet for each configuration.

HMS

Configuration Name: kin 36-3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 5-7.5 μ A

Raster: On Off
 Size: 222 mm²

HMS
 p: +0.611 θ (TV): 12.37
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 32.26 θ = SHMS 15.96
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

I-SET (from PSU)	<u>789.99</u>	A
B-HALL	<u>1.0627</u>	T
I-SET (from PSU)	<u>646</u>	A
B-HALL	<u>-1.257</u>	T
I-SET (from PSU)	<u>308</u>	A
B-HALL	<u>0.62258</u>	T
I-READ	<u>2028.42</u>	A
B-NMR	<u>1.6966</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: 2182
 LH2 10cm PS1: -1 Start time (from RC): 06:46:19
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1 Stop time (from RC): 07:34:52
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
 PS6: 0
 Comments: 20 μ A, Coin Sparse, ps6=0, LH2
 Events 4.75 M Settings Verified? hTRIG1 rate 8520 K hTRIG3 rate 13407 hTRIG4 rate 10708
 Charge 43 mC HV OK? hTRIG5 rate 2557 hTRIG6 rate 2117 Data ok
 Active trigger LiveTime fraction (NPS Scaler Gui) 99.76 % Max NPS anode current (single crystal) 5.04 (μ A)

Run Number: 2183
 LH2 10cm PS1: -1 Start time (from RC): 07:35:47
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1 Stop time (from RC): 08:26:55
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
 PS6: 0
 Comments: 20 μ A, Coin Sparse; ps6=0, LH2
 Events 5305 K Settings Verified? hTRIG1 rate 8340 K hTRIG3 rate 13514 hTRIG4 rate 10499
 Charge 48.87 C HV OK? hTRIG5 rate 2416 hTRIG6 rate 1911 Data ok
 Active trigger LiveTime fraction (NPS Scaler Gui) 99.684 Max NPS anode current (single crystal) 4.61 (μ A)

Run Number: 2184
 LH2 10cm PS1: -1 Start time (from RC): 11:07:42
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1 Stop time (from RC): 11:53:12
 Optics#1 8cm PS4: 0
 C 0.5% r.l. PS5: -1
 PS6: -1
 Comments: 30 μ A, coin_sparse, EDTM=100 Hz
 Events 541 K Settings Verified? hTRIG1 rate 637 K hTRIG3 rate 479.7 hTRIG4 rate 244.6
 Charge 59.75 C HV OK? hTRIG5 rate 168.9 hTRIG6 rate 125.2 Data ok
 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 1.95 (μ A)

Run Number: 2185
 LH2 10cm PS1: -1 Start time (from RC): 12:20:24
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1 Stop time (from RC): 13:21:26
 Optics#1 8cm PS4: 0
 C 0.5% r.l. PS5: -1
 PS6: -1
 Comments: 30 μ A, coin_sparse, EDTM=100 Hz
 Events 564 K Settings Verified? hTRIG1 rate 299 K hTRIG3 rate 279.8 hTRIG4 rate 168.4
 Charge 86.81 C HV OK? hTRIG5 rate 158.4/229 hTRIG6 rate 109.7 Data ok
 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 1.25 (μ A)

kin 36.5

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/24
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: KinC-X36-5

coin_sparse

coin

Purpose:

Production

Test

Optics

Other: _____

E_{beam}: 10.539 GeV I_{beam}: 30 μ A

Raster: On Off

Size: 2x2 mm²

HMS

p: +0.4637 θ (TV): 16.435
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.69</u> mm		<u>0.32</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.69</u> mm		<u>0.28</u> mm
Nomin:		Nomin:

SHMS **NPS** 12/105

θ (TV): 28.405 θ = SHMS ~~11.105~~
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current OFF

Q1	I-SET (from PSU) <u>604.26</u> A
	B-HALL <u>0.80440</u> T
Q2	I-SET (from PSU) <u>480.44</u> A
	B-HALL <u>-0.93416</u> T
Q3	I-SET (from PSU) <u>233.63</u> A
	B-HALL <u>0.46743</u> T
D	I-READ <u>1427.79</u> A
	B-NMR <u>1.26946</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 2186

LH2 10cm PS1: -1 Start time (from RC): 13:25:39

LD2 10cm PS2: -1 Stop time (from RC): 14:24:13

Dummy 10cm PS3: -1 Settings Verified?

Optics#1 8cm PS4: 0 HV OK?

C 0.5% r.l.l PS5: -1 50k OK?

PS6: -1

Comments: 30 μ A, coin_sparse, EDTM=100 Hz

Events 539K Active trigger LiveTime fraction (NPS Scaler Gui) 346k hTRIG3 rate 286.1 hTRIG4 rate 165.9

Charge 83.06nC hTRIG5 rate 116.4 hTRIG6 rate 106.2 Data ok Junk

Max NPS anode current (single crystal) 4.84 (μ A)

Run Number: 2187

LH2 10cm PS1: -1 Start time (from RC): 14:33:58

LD2 10cm PS2: -1 Stop time (from RC): 15:30:10

Dummy 10cm PS3: -1 Settings Verified?

Optics#1 8cm PS4: 0 HV OK?

C 0.5% r.l.l PS5: -1 50k OK?

PS6: -1

Comments: 30 μ A, coin_sparse, EDTM=100 Hz

Events 660K Active trigger LiveTime fraction (NPS Scaler Gui) 804k hTRIG3 rate 460.2 hTRIG4 rate 227.6

Charge 12.2nC hTRIG5 rate 175.9 hTRIG6 rate 128.9 Data ok Junk

Max NPS anode current (single crystal) 9.26 (μ A)

Run Number: 2188

LH2 10cm PS1: -1 Start time (from RC): 15:51:11

LD2 10cm PS2: 1 Stop time (from RC): _____

Dummy 10cm PS3: 1 Settings Verified?

Optics#1 8cm PS4: 1 HV OK?

C 0.5% r.l.l PS5: -1 50k OK?

PS6: 0

Comments: 15 μ k high rates; 3.5kHz, 230MB/s

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ hTRIG3 rate _____ hTRIG4 rate _____

Charge _____ hTRIG5 rate _____ hTRIG6 rate _____ Data ok Junk

Max NPS anode current (single crystal) _____ (μ A)

Run Number: 2189

LH2 10cm PS1: -1 Start time (from RC): 16:13:18

LD2 10cm PS2: -1 Stop time (from RC): 17:00:24

Dummy 10cm PS3: -1 Settings Verified?

Optics#1 8cm PS4: -1 HV OK?

C 0.5% r.l.l PS5: -1 50k OK?

PS6: 0

Comments: 10 μ A, Coin sparse, 40 min EDTM=100 Hz, NPS sweep=OFF

Events 4.656M Active trigger LiveTime fraction (NPS Scaler Gui) 2350k hTRIG3 rate 5475 hTRIG4 rate 3495

Charge 22.45nC hTRIG5 rate 3277 hTRIG6 rate 2087 Data ok Junk

Max NPS anode current (single crystal) 6.49 (μ A)

optics

prod

Production

1/4

p(e,e') p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/24
yy mm dd

Initials: MD

Use a separate sheet for each configuration.

HMS

Configuration Name: Lin C-36-5
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 10 μA

Raster: On Off
 Size: 2x2 mm²

Q1	I-SET (from PSU)	<u>604.26</u>	A
	B-HALL	<u>0.80440</u>	T
Q2	I-SET (from PSU)	<u>480.44</u>	A
	B-HALL	<u>-0.93416</u>	T
Q3	I-SET (from PSU)	<u>233.63</u>	A
	B-HALL	<u>0.4673</u>	T
D	I-READ	<u>1427.75</u>	A
	B-NMR	<u>1.26946</u>	T

HMS
 p: +0 4.637 θ(TV): 16.43
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.32</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.69</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ(TV): 28.4 θ = SHMS 12.105
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: <u>2190</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>17:01:24</u> Stop time (from RC): <u>17:51:17</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2350 K</u>	hTRIG3 rate <u>5560</u>	hTRIG4 rate <u>3480</u>
					hTRIG5 rate <u>3098</u>	hTRIG6 rate <u>188</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: ps6 = 0 40 min ESTM = 40 / 40 Hz
10 μA, Coin Sparse, NPS Sweep ON (2/4)

Events <u>4.875M</u> Charge <u>24.10 C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.822%</u>	Max NPS anode current (single crystal) <u>6.49</u> (μA)
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Run Number: <u>2191</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>17:52:15</u> Stop time (from RC): <u>18:33:54</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2340K</u>	hTRIG3 rate <u>5673</u>	hTRIG4 rate <u>3459</u>
					hTRIG5 rate <u>3079</u>	hTRIG6 rate <u>1874</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: 10 μA, Coin Sparse, NPS Sweep ON, ESTM = 40 Hz (3/4)
ps6 = 0 40 min

Events <u>4.54M</u> Charge <u>22.19 C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.86%</u>	Max NPS anode current (single crystal) <u>6.32</u> (μA)
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Run Number: <u>2192</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>18:34:53</u> Stop time (from RC): <u>19:29:53</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2290K</u>	hTRIG3 rate <u>5545</u>	hTRIG4 rate <u>3371</u>
					hTRIG5 rate <u>3027</u>	hTRIG6 rate <u>1291</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: 10 μA, Coin Sparse, Sweep ON, ESTM = 40 Hz (4/4)
ps6 = 0 40 min

Events <u>4.744M</u> Charge <u>24.01 C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.85%</u>	Max NPS anode current (single crystal) <u>6.5</u> (μA)
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Run Number: <u>2193</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>19:31:50</u> Stop time (from RC): <u>19:53:26</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1812K</u>	hTRIG3 rate <u>3756</u>	hTRIG4 rate <u>2362</u>
					hTRIG5 rate <u>1664</u>	hTRIG6 rate <u>1040</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: 7 μA, Coin Sparse, Sweep ON, - 20 min, ps6 = 0

Events <u>1.267M</u> Charge <u>8.06 C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.86%</u>	Max NPS anode current (single crystal) <u>4.64</u> (μA)
--	--	--

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/24
yy mm dd

Initials: MD

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Kinc-36-5
coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 5-30 μ A

Raster: On Off
Size: 2x2 mm²

Q1	I-SET (from PSU) <u>604.26</u> A B-HALL <u>0.80440</u> T
Q2	I-SET (from PSU) <u>480.44</u> A B-HALL <u>-0.93416</u> T
Q3	I-SET (from PSU) <u>233.63</u> A B-HALL <u>0.4673</u> T
D	I-READ <u>1427.79</u> A B-NMR <u>1.26946</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

HMS
p: +10 4.637 θ (TV): 16.45
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.69</u>	mm	<u>0.31</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.29</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 28.4 θ = SHMS 12.105
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: <u>2194</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>19:56:04</u> Stop time (from RC): <u>20:19:56</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1157K</u> hTRIG5 rate <u>640</u>	hTRIG3 rate <u>2199</u> hTRIG6 rate <u>430</u>	hTRIG4 rate <u>1402</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk	
Comments: <u>4 μA, Coin Sparse - 20min, ps6 = 0</u>		Events <u>535K</u> Charge <u>5 mC</u>		Active trigger fraction (NPS Scaler Gui) <u>99.99%</u>	LiveTime fraction (NPS Scaler Gui) <u>99.99%</u>			Max NPS anode current (single crystal) <u>2.46</u> (μ A)

Run Number: <u>2195</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>2</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>20:22:50</u> Stop time (from RC): <u>20:47:27</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2299K</u> hTRIG5 rate <u>2787</u>	hTRIG3 rate <u>5431</u> hTRIG6 rate <u>1885</u>	hTRIG4 rate <u>3372</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk	
Comments: <u>10 μA, Coin Sparse - ps3 = 2, 20min.</u>		Events <u>2.246M</u> Charge <u>11.52 mC</u>		Active trigger fraction (NPS Scaler Gui) <u>99.68%</u>	LiveTime fraction (NPS Scaler Gui) <u>99.68%</u>			Max NPS anode current (single crystal) <u>5.82</u> (μ A)

Run Number: <u>2196</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): Stop time (from RC): 	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate hTRIG5 rate	hTRIG3 rate hTRIG6 rate	hTRIG4 rate <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk	
Comments: <u>6.5 high data rate > 150 MB/s 20 min ps6 = 0 10 μA, Coin Sparse low</u>		Events _____ Charge _____ C		Active trigger fraction (NPS Scaler Gui) <u>0</u>	LiveTime fraction (NPS Scaler Gui) <u>0</u>			Max NPS anode current (single crystal) <u>0</u> (μ A)

Run Number: <u>2197</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>1</u>	Start time (from RC): <u>20:55:01</u> Stop time (from RC): <u>21:17:30</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1850K</u> hTRIG5 rate <u>2234</u>	hTRIG3 rate <u>5438</u> hTRIG6 rate <u>1512</u>	hTRIG4 rate <u>3319</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk	
Comments: <u>ps6 = 1 10 μA, Coin Sparse low - 20 minutes</u>		Events <u>925K</u> Charge _____ C		Active trigger fraction (NPS Scaler Gui) <u>99.86%</u>	LiveTime fraction (NPS Scaler Gui) <u>99.86%</u>			Max NPS anode current (single crystal) <u>6.32</u> (μ A)

p(e,e') p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/24
yy mm dd

Initials: M.D

Use a separate sheet for each configuration.

HMS

Configuration Name: Kinc-36-5
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 5-30 μA

Raster: On Off
 Size: 2x2 mm²

Q1	I-SET (from PSU)	<u>604.26</u> A
	B-HALL	<u>0.8044</u> T
Q2	I-SET (from PSU)	<u>480.44</u> A
	B-HALL	<u>0.93416</u> T
Q3	I-SET (from PSU)	<u>233.63</u> A
	B-HALL	<u>0.4673</u> T
D	I-READ	<u>1427.79</u> A
	B-NMR	<u>1.26946</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?		

HMS
 p: +0 4.637 θ(TV): 16.43
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.69</u> mm		<u>0.31</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.29</u> mm
Nomin:		Nomin:

SHMS NPS
 θ(TV): 28.4 θ = SHMS 12.105
Nearest 0.005 Nearest 0.005
 -16.30°

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: 2198
 LH2 10cm LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.
 Comments: 6.6 Junk ps6 = 1

PS1: <u>-1</u>	Start time (from RC):	<input type="checkbox"/> Settings Verified?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
PS2: <u>-1</u>	Stop time (from RC):	<input type="checkbox"/> HV OK?	hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok
PS3: <u>-1</u>		<input type="checkbox"/> 50k OK?			<input checked="" type="checkbox"/> Junk
PS4: <u>-1</u>	Events _____	Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)	
PS5: <u>-1</u>					
PS6: <u>1</u>					

Run Number: 2199
 LH2 10cm LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.
 Comments: ps6 = 3

PS1: <u>-1</u>	Start time (from RC):	<input type="checkbox"/> Settings Verified?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
PS2: <u>-1</u>	Stop time (from RC):	<input type="checkbox"/> HV OK?	hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok
PS3: <u>-1</u>		<input type="checkbox"/> 50k OK?			<input checked="" type="checkbox"/> Junk
PS4: <u>-1</u>	Events _____	Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)	
PS5: <u>-1</u>					
PS6: <u>3</u>					

Run Number: 2200
 LH2 10cm LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.
 Comments: 15 μA Com ; ps6 = 4 → 20 min

PS1: <u>-1</u>	Start time (from RC): <u>21:29:40</u>	<input checked="" type="checkbox"/> Settings Verified?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
PS2: <u>-1</u>	Stop time (from RC): <u>21:40:35</u>	<input checked="" type="checkbox"/> HV OK?	hTRIG5 rate	hTRIG6 rate	<input checked="" type="checkbox"/> Data ok
PS3: <u>-1</u>		<input checked="" type="checkbox"/> 50k OK?			<input type="checkbox"/> Junk
PS4: <u>-1</u>	Events _____	Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)	
PS5: <u>-1</u>					
PS6: <u>4</u>					

Run Number: 2201
 LH2 10cm LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.
 Comments: 15 μA Com ps6 = 5, 20 min.

PS1: <u>-1</u>	Start time (from RC): <u>21:43:01</u>	<input checked="" type="checkbox"/> Settings Verified?	hTRIG1 rate <u>2342 K</u>	hTRIG3 rate <u>8144</u>	hTRIG4 rate <u>5125</u>
PS2: <u>-1</u>	Stop time (from RC): <u>21:54:51</u>	<input checked="" type="checkbox"/> HV OK?	hTRIG5 rate <u>5667</u>	hTRIG6 rate <u>3424</u>	<input checked="" type="checkbox"/> Data ok
PS3: <u>-1</u>		<input checked="" type="checkbox"/> 50k OK?			<input type="checkbox"/> Junk
PS4: <u>-1</u>	Events <u>124K</u>	Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μA) <u>0.44</u>	
PS5: <u>-1</u>					
PS6: <u>5</u>					

p(e,e') p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/24
yy mm dd

Initials: MD

Use a separate sheet for each configuration.

HMS

Configuration Name: Kim C-36-5

coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 10-30 μA

Raster: On Off
 Size: 2x2 mm²

HMS
 p: +e 4.637 θ(TV): 16.43
Front GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.31</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.69</u> mm		<u>0.29</u> mm
Nomin:		Nomin:

SHMS **NPS**

θ(TV): 28.4 θ = SHMS 12.105
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Q1	I-SET (from PSU) <u>604.26</u> A
	B-HALL <u>0.8044</u> T
Q2	I-SET (from PSU) <u>480.44</u> A
	B-HALL <u>-0.9346</u> T
Q3	I-SET (from PSU) <u>233.63</u> A
	B-HALL <u>0.4673</u> T
D	I-READ <u>1427.79</u> A
	B-NMR <u>1.26946</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 2202

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0

Start time (from RC): 22:10:56 Stop time (from RC): 22:46:01

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 2414 K hTRIG3 rate: 6584 hTRIG4 rate: 3883

hTRIG5 rate: 3910 hTRIG6 rate: 2383

Data ok
 Junk

Comments: 30 μA, Coin Sparse, ps6 = 0, -20 min. CODA FAILURE

Events 2.3 M Active trigger LiveTime fraction (NPS Scaler Gui) 99.67% Max NPS anode current (single crystal) 16.2 (μA)

Charge C

Run Number: 2203

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0

Start time (from RC): 22:49:36 Stop time (from RC): 23:16:13

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 1435 K hTRIG3 rate: 3270 hTRIG4 rate: 1992

hTRIG5 rate: 1094 hTRIG6 rate: 717

Data ok
 Junk

Comments: 15 μA, Coin Sparse, ps6 = 0; 20 min

Events 767 K Active trigger LiveTime fraction (NPS Scaler Gui) 99.97% Max NPS anode current (single crystal) 8.89 (μA)

Charge 16.34 mC

Run Number: 2204

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0

Start time (from RC): 23:22:59 Stop time (from RC): _____

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____

hTRIG5 rate: _____ hTRIG6 rate: _____

Data ok
 Junk

Comments: 30 μA, Coin Sparse 40 minutes (1/2) data + creat rates high.

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μA)

Charge C

Run Number: 2205

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0

Start time (from RC): 23:33:51 Stop time (from RC): 00:31:00

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 2112 K hTRIG3 rate: 4850 hTRIG4 rate: 3148

hTRIG5 rate: 2399 hTRIG6 rate: 1618

Data ok
 Junk

Comments: 25 μA, Coin Sparse 40 minutes (1/2)

Events 3.86 M Active trigger LiveTime fraction (NPS Scaler Gui) 99.87% Max NPS anode current (single crystal) 8.99 (μA)

Charge 67.1 mC

p(e,e') p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: / / Initials:
 yy mm dd

Use a separate sheet for each configuration.

HMS

Configuration Name: kin-36.5

coin_sparse

coin

Purpose:

Production

Test

Optics

Other:

E_{beam}: 10.537 GeV I_{beam}: μA

Raster: On Off

Size: 2x2

HMS

p: +/- 4.637 θ(TV): 16.43
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.32</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.69</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS**

θ(TV): 28.4 θ = SHMS 12.105
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

I-SET (from PSU)	<u>604.26</u> A
B-HALL	<u>0.8044</u> T
I-SET (from PSU)	<u>480.44</u> A
B-HALL	<u>-0.93416</u> T
I-SET (from PSU)	<u>2.33.63</u> A
B-HALL	<u>0.4673</u> T
I-READ	<u>14.27.79</u> A
B-NMR	<u>1.26946</u> T
If momentum increased:	
<input type="checkbox"/> HMS cycled?	

Run Number: 2206

LH2 10cm PS1: -1 Start time (from RC): 00:36:00

LD2 10cm PS2: -1 Stop time (from RC): 01:22:40

Dummy 10cm PS3: -1 Settings Verified?

Optics#1 8cm PS4: -1 HV OK?

C 0.5% r.l.l PS5: -1 50k OK?

 PS6: 0

Comments: 25 μA, (2/2) 40 min NMS, coin sparse

Events 30698 Active trigger LiveTime fraction (NPS Scaler Gui) 99.98% Max NPS anode current (single crystal) 8.62 (μA)

Charge 54.22 mC

hTRIG1 rate 2.12.10⁶ Hz hTRIG3 rate 4897.2 Hz hTRIG4 rate 3184.4 Hz

hTRIG5 rate 2466.9 Hz hTRIG6 rate 1677.6 Data ok

Junk

Run Number: 2207

LH2 10cm PS1: -1 Start time (from RC): 01:27:57

LD2 10cm PS2: -1 Stop time (from RC): 02:00:07

Dummy 10cm PS3: -1 Settings Verified?

Optics#1 8cm PS4: -1 HV OK?

C 0.5% r.l.l PS5: -1 50k OK?

 PS6: 0

Comments: 17 μA, 20 min NMS, coin sparse

Events 1250M Active trigger LiveTime fraction (NPS Scaler Gui) 99.95% Max NPS anode current (single crystal) 6.2 (μA)

Charge 24.22 mC

hTRIG1 rate 1.39.10⁶ Hz hTRIG3 rate 1080.3 Hz hTRIG4 rate 2166.4 Hz

hTRIG5 rate 1236.6 Hz hTRIG6 rate 822.5 Hz Data ok

Junk

Run Number: 2208

LH2 10cm PS1: -1 Start time (from RC): 02:04:05

LD2 10cm PS2: -1 Stop time (from RC): 02:31:14

Dummy 10cm PS3: -1 Settings Verified?

Optics#1 8cm PS4: -1 HV OK?

C 0.5% r.l.l PS5: -1 50k OK?

 PS6: 0

Comments: 8 μA, 20 min NMS, coin sparse

Events 370K Active trigger LiveTime fraction (NPS Scaler Gui) 99.97% Max NPS anode current (single crystal) 3.06 (μA)

Charge 4.33 mC

hTRIG1 rate 6.38.10⁶ Hz hTRIG3 rate 1610.3 Hz hTRIG4 rate 1052.2

hTRIG5 rate 350.9 hTRIG6 rate 254.5 Data ok

Junk

Run Number: 2209

LH2 10cm PS1: -1 Start time (from RC): 02:37:24

LD2 10cm PS2: -1 Stop time (from RC): 03:00:16

Dummy 10cm PS3: -1 Settings Verified?

Optics#1 8cm PS4: -1 HV OK?

C 0.5% r.l.l PS5: -1 50k OK?

 PS6: -1

Comments: 25 μA, 20 min, coin sparse

Events 144M Active trigger LiveTime fraction (NPS Scaler Gui) 99.90% Max NPS anode current (single crystal) 7.84 (μA)

Charge 24.62 mC

hTRIG1 rate 2.14.10⁶ Hz hTRIG3 rate 4629.1 Hz hTRIG4 rate 3161.6 Hz

hTRIG5 rate 2326.1 Hz hTRIG6 rate 1681.4 Hz Data ok

Junk

$p(e, e'\gamma) p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: / / Initials:
 yy mm dd

Use a separate sheet for each configuration.

HMS

Configuration Name: kin-36-5
 coin_sparse
 coin

E_{beam}: 10.55 GeV I_{beam}: μ A

Purpose:
 Production
 Test
 Optics
 Other:
 Raster: On Off
 Size: 2x2

HMS
 p: +/- 6.37 θ (TV): 16.63
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.32</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.69</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

SHMS θ (TV): 28.4 Nearest 0.005
NPS θ = SHMS 12.105
12.0 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

I-SET (from PSU)
 Q1 604.26 A
 B-HALL 0.8044 T
 I-SET (from PSU)
 Q2 480.44 A
 B-HALL -0.93416 T
 I-SET (from PSU)
 Q3 233.63 A
 B-HALL 0.4673 T
 I-READ
 D 1427.79 A
 B-NMR 1.26946 T
 If momentum increased:
 HMS cycled?

Run Number: 2210
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.i. PS5: -2
 PS6: 0
 Start time (from RC):
 Stop time (from RC):
 Settings Verified?
 HV OK?
 50k OK?
 hTRIG1 rate hTRIG3 rate hTRIG4 rate
 hTRIG5 rate hTRIG6 rate Data ok
 Junk
 Comments: JUNK, very high data rate DP > 500 MB/s
 Events Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) μ A
 Charge C

Run Number: 2211
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.i. PS5: -1
 PS6: 3
 Start time (from RC): 03:10:17
 Stop time (from RC): 03:26:01
 Settings Verified?
 HV OK?
 50k OK?
 hTRIG1 rate 2.210⁶ Hz hTRIG3 rate 4842.4 Hz hTRIG4 rate 3226.2 Hz
 hTRIG5 rate 2404.4 Hz hTRIG6 rate 1608.6 Hz Data ok
 Junk
 Comments: 26 μ A, 10 min run, good data rate, coin
 Events 246k Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 8.91 μ A
 Charge 18 mC

Run Number: 2212
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.i. PS5: -1
 PS6: 0
 Start time (from RC): 03:34:35
 Stop time (from RC): 04:00:24
 Settings Verified?
 HV OK?
 50k OK?
 hTRIG1 rate 6.46.10⁶ Hz hTRIG3 rate 1544.8 Hz hTRIG4 rate 1088 Hz
 hTRIG5 rate 738.5 Hz hTRIG6 rate 496.6 Hz Data ok
 Junk
 Comments: 8 μ A, 20 min, COIN-SPARSE-LOW.
 Events 683k Active trigger LiveTime fraction (NPS Scaler Gui) 99.97% Max NPS anode current (single crystal) 3.21 μ A
 Charge 224 mC

Run Number: 2213
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.i. PS5: -1
 PS6: 0
 Start time (from RC): 04:12:52
 Stop time (from RC): 05:12:26
 Settings Verified?
 HV OK?
 50k OK?
 hTRIG1 rate 2.36.10⁶ Hz hTRIG3 rate 5528.2 Hz hTRIG4 rate 3393.2 Hz
 hTRIG5 rate 2884.4 Hz hTRIG6 rate 1792.4 Hz Data ok
 Junk
 Comments: 10 μ A, coin-sparse, 40 min (1/4)
 Events 6.4 M Active trigger LiveTime fraction (NPS Scaler Gui) 99.84% Max NPS anode current (single crystal) 6.27 μ A
 Charge 274 mC

p(e,e') p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/25
yy mm dd

Initials: WH/MD

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Kin C-36-S
coin_sparse
coin

E_{beam}: 10.537 GeV I_{beam}: _____ μ A

HMS
p: +/- 4.637 θ (TV): 16.43
From GUI Nearest 0.005

SHMS **NPS**
 θ (TV): 28.4 θ = SHMS 12.105
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>1.6</u> mm		<u>0.33</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.68</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>604.26</u> A
	B-HALL <u>0.8044</u> T
Q2	I-SET (from PSU) <u>480.44</u> A
	B-HALL <u>-0.93416</u> T
Q3	I-SET (from PSU) <u>233.63</u> A
	B-HALL <u>0.4673</u> T
D	I-READ <u>1427.79</u> A
	B-NMR <u>1.2694</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 2214
 LH2 10cm PS1: -1 Start time (from RC): 05:17:21
 LD2 10cm PS2: -1 Stop time (from RC): 06:02:01
 Dummy 10cm PS3: -1 Settings Verified?
 Optics#1 8cm PS4: -1 HV OK?
 C 0.5% r.l.l PS5: -1 50k OK?
 _____ PS6: 0 hTRIG1 rate 2.3910⁶ Hz hTRIG3 rate 5463.2 Hz hTRIG4 rate 3207.1 Hz
Comments: 10 μ A, coin-sparse, 40 min (2/4) (Not completed)
 Events 4.248 M Active trigger LiveTime fraction (NPS Scaler Gui) 99.83% Max NPS anode current (single crystal) 6.33 (μ A)
 Charge 247 mC

Run Number: 2215
 LH2 10cm PS1: _____ Start time (from RC): _____
 LD2 10cm PS2: _____ Stop time (from RC): _____
 Dummy 10cm PS3: _____ Settings Verified?
 Optics#1 8cm PS4: _____ HV OK?
 C 0.5% r.l.l PS5: _____ 50k OK?
 _____ PS6: _____ hTRIG1 rate _____ hTRIG3 rate _____ hTRIG4 rate _____
Comments: _____
 Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μ A)
 Charge _____ C

Run Number: 2246
 LH2 10cm PS1: -1 Start time (from RC): 03:17:06
 LD2 10cm PS2: -1 Stop time (from RC): 04:02:06
 Dummy 10cm PS3: -1 Settings Verified?
 Optics#1 8cm PS4: -1 HV OK?
 C 0.5% r.l.l PS5: -1 50k OK?
 _____ PS6: 0 hTRIG1 rate 2350K hTRIG3 rate 5682 hTRIG4 rate 3540
Comments: I = 10 μ A, coin sparse, 40 min (2/4) ps6=0
 Events 4.8 M Active trigger LiveTime fraction (NPS Scaler Gui) 99.78% Max NPS anode current (single crystal) 6.26 (μ A)
 Charge 22.7 mC

Run Number: 2247
 LH2 10cm PS1: -1 Start time (from RC): 04:03:13
 LD2 10cm PS2: -1 Stop time (from RC): 04:49:33
 Dummy 10cm PS3: -1 Settings Verified?
 Optics#1 8cm PS4: -1 HV OK?
 C 0.5% r.l.l PS5: -1 50k OK?
 _____ PS6: 0 hTRIG1 rate 2361K hTRIG3 rate 5635 hTRIG4 rate 3418
Comments: 10 μ A, coin sparse, 40 min (3/4) ps6=0
 Events 5.08 M Active trigger LiveTime fraction (NPS Scaler Gui) 99.85% Max NPS anode current (single crystal) 6.50 (μ A)
 Charge 24 mC

→
Dwl
26
after
start

p(e,e') p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/26
yy mm dd

Initials: MD

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
kin e-36-5

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 4-25 μA

Raster: On Off
Size: 2x2 mm²

HMS
p: +θ 4.637 θ(TV): 16.43
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.306</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.777</u>	mm	<u>0.316</u> mm
Nomin:		Nomin:

SHMS **NPS**
θ(TV): 28.41 θ = SHMS 12.105
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

I-SET (from PSU)	<u>603.7</u>	A
Q1 B-HALL	<u>0.8044</u>	T
I-SET (from PSU)	<u>480.6</u>	A
Q2 B-HALL	<u>-0.9342</u>	T
I-SET (from PSU)	<u>233.2</u>	A
Q3 B-HALL	<u>0.4675</u>	T
I-READ	<u>1425.3</u>	A
D B-NMR	<u>1.26946</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: <u>2248</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>04:50:29</u> Stop time (from RC): <u>06:26:12</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2321K</u> hTRIG5 rate <u>3025</u>	hTRIG3 rate <u>5525</u> hTRIG6 rate <u>1786</u>	hTRIG4 rate <u>3340</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 10μA Coin Sparse, 40 min ps6=0 (4/4)

Events <u>5.34M</u> Charge <u>24.6μC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.88%</u>	Max NPS anode current (single crystal) (μA) <u>6.30</u>
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Run Number: <u>2249</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>06:28:29</u> Stop time (from RC): <u>07:00:38</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1823K</u> hTRIG5 rate <u>1724</u>	hTRIG3 rate <u>3803</u> hTRIG6 rate <u>1051</u>	hTRIG4 rate <u>2318</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 7μA, Coin Sparse, ps6=0, 20min

Events <u>1.346M</u> Charge <u>8.3mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.88%</u>	Max NPS anode current (single crystal) (μA) <u>4.42</u>
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Run Number: <u>2250</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>07:02:41</u> Stop time (from RC): <u>07:33:01</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1159K</u> hTRIG5 rate <u>683</u>	hTRIG3 rate <u>2233</u> hTRIG6 rate <u>443</u>	hTRIG4 rate <u>1404</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 4μA, Coin Sparse, ps6=0 - 20min

Events <u>556K</u> Charge <u>5.1mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μA) <u>2.29</u>
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Run Number: <u>2251</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>2</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>07:45:04</u> Stop time (from RC): <u>08:26:49</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2353K</u> hTRIG5 rate <u>3035</u>	hTRIG3 rate <u>5558</u> hTRIG6 rate <u>1862</u>	hTRIG4 rate <u>3408</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 10μA, Coin Sparse, ps3=2 - 20min.

Events <u>3818K</u> Charge <u>19.38mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>N/A (no ps6)</u>	Max NPS anode current (single crystal) (μA) <u>6.88</u>
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p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/26
yy mm dd

Initials: M.D

Use a separate sheet for each configuration.

HMS

Configuration Name: Kin C-36-5
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 4-25 μ A

Raster: On Off
 Size: 2x2 mm²

HMS
 p: + θ 4.637 θ (TV): 16.43
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.69</u> mm		<u>0.301</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.312</u> mm
Nomin:		Nomin:

SHMS θ (TV): 28.41 Nearest 0.005
NPS θ = SHMS 12.105
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Q1	I-SET (from PSU) <u>603.7</u> A
	B-HALL <u>0.8044</u> T
Q2	I-SET (from PSU) <u>480.6</u> A
	B-HALL <u>-0.9342</u> T
Q3	I-SET (from PSU) <u>233.2</u> A
	B-HALL <u>0.4675</u> T
D	I-READ <u>1425.3</u> A
	B-NMR <u>1,26946</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: <u>2252</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): <u>08:49:33</u> Stop time (from RC): <u>09:18:22</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate hTRIG3 rate hTRIG4 rate hTRIG5 rate hTRIG6 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: No beam, junk!!

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____

Max NPS anode current (single crystal) _____ μ A

Run Number: <u>2253</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>1</u>	Start time (from RC): <u>08:49:33</u> Stop time (from RC): <u>09:18:22</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2300k</u> hTRIG3 rate <u>5485.7</u> hTRIG4 rate <u>3361.5</u> hTRIG5 rate <u>3056.1</u> hTRIG6 rate <u>1891.1</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 10 μ A, coin_sparse_low

Events 1095k Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 6.11 μ A

Run Number: <u>2254</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>4</u>	Start time (from RC): <u>09:27:42</u> Stop time (from RC):	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>2300k</u> hTRIG3 rate <u>5485.7</u> hTRIG4 rate <u>3361.5</u> hTRIG5 rate <u>3056.1</u> hTRIG6 rate <u>1891.1</u>	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: 10 μ A, coin, junk due to collimator issue

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 6.11 μ A

Run Number: <u>2255</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>4</u>	Start time (from RC): <u>11:25:20</u> Stop time (from RC): <u>11:52</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2300k</u> hTRIG3 rate <u>5406.5</u> hTRIG4 rate <u>3318.1</u> hTRIG5 rate <u>3035.8</u> hTRIG6 rate <u>1855.1</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 10 μ A, coin

Events 316k Charge 13.96nC

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 5.96 μ A

p(e,e') p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: / / Initials:
 yy mm dd

Use a separate sheet for each configuration.

HMS

Configuration Name: kinC_X36-5

coin_sparse

coin

Purpose:

Production

Test

Optics

Other:

E_{beam}: 10.537 GeV I_{beam}: 30 μ A

Raster: On Off

Size: 2x2 mm²

HMS

p: +0.6370 θ (TV): 16.43

From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.72</u> mm		<u>0.37</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

SHMS

θ (TV): 28.41

Nearest 0.005

NPS

θ = SHMS 12.105

-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 467.933

Q1	I-SET (from PSU) <u>604.25</u> A
	B-HALL <u>0.80/20</u> T
Q2	I-SET (from PSU) <u>480.44</u> A
	B-HALL <u>-0.93095</u> T
Q3	I-SET (from PSU) <u>233.63</u> A
	B-HALL <u>0.46798</u> T
D	I-READ <u>1427.76</u> A
	B-NMR <u>1.26946</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 2256

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.l.

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

Start time (from RC): 12:10:59 Stop time (from RC): 12:45:03

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 2440k hTRIG3 rate: 6623.4 hTRIG4 rate: 3901.6

hTRIG5 rate: 3990.8 hTRIG6 rate: 2361.9

Data ok Junk

Comments: coin_sparse, 30 μ A, 20min

Events 3554k Charge 43.6mC Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 5.31 (μ A)

Run Number: 2257

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.l.

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

Start time (from RC): 12:46:42 Stop time (from RC): 13:06:38

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1480k hTRIG3 rate: 3367.5 hTRIG4 rate: 2011.4

hTRIG5 rate: 1125.9 hTRIG6 rate: 680

Data ok Junk

Comments: coin_sparse, 15 μ A, 20 min

Events 709k Charge C Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μ A)

Run Number: 2258

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.l.

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

Start time (from RC): 13:16:26 Stop time (from RC): 14:09:05

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 2380k hTRIG3 rate: 5909.9 hTRIG4 rate: 3906.9

hTRIG5 rate: 3493.7 hTRIG6 rate: 2330.5

Data ok Junk

Comments: coin_sparse, 30 μ A, 40min

Events 5429k Charge 68.92mC Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 8.53 (μ A)

Run Number: 2259

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.l.

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

Start time (from RC): 14:12:53 Stop time (from RC): 14:21:32

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: hTRIG3 rate: hTRIG4 rate:

hTRIG5 rate: hTRIG6 rate:

Data ok Junk

Comments: test with NPS sweeper OFF Charles made a log entry of this.

Events 40k Charge C Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μ A)

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: / / Initials:
 yy mm dd

Use a separate sheet for each configuration.

HMS

Configuration Name: kinC-X36-S
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other:

E_{beam}: 10.537 GeV I_{beam}: 30 μA

Raster: On Off
 Size: 2x2 mm²

HMS
 p: +0.637 θ(TV): 16.43
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.90</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.9</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

SHMS θ(TV): 28.41 Nearest 0.005
NPS θ = SHMS 12.105
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 467.933

Q1	I-SET (from PSU) <u>604.26</u> A
	B-HALL <u>0.79970</u> T
Q2	I-SET (from PSU) <u>480.44</u> A
	B-HALL <u>-0.93429</u> T
Q3	I-SET (from PSU) <u>233.63</u> A
	B-HALL <u>0.46840</u> T
D	I-READ <u>1427.79</u> A
	B-NMR <u>1.26946</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 2260
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l.
 Comments: coin_sparse, 30 μA

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
 Start time (from RC): 14:25:19 Stop time (from RC): 16:00:03
 Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 2320k hTRIG3 rate: 5822.3 hTRIG4 rate: 3789.4
 hTRIG5 rate: 3319.8 hTRIG6 rate: 2178.9
 Data ok Junk

Events 6427k Charge 83.3mC Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 10.58 (μA)

Run Number: 2261
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l.
 Comments: coin_sparse, 120 μA

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
 Start time (from RC): 16:07 Stop time (from RC): 16:31
 Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1770k hTRIG3 rate: 3.8k hTRIG4 rate: 2.6k
 hTRIG5 rate: 1.6k hTRIG6 rate: 1.1k
 Data ok Junk

Events 1.47M Charge 24.8mC Active trigger LiveTime fraction (NPS Scaler Gui) 99.96% Max NPS anode current (single crystal) 7.17 (μA)

Run Number: 2262
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l.
 Comments: coin_sparse, 10 μA

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
 Start time (from RC): 16:37 Stop time (from RC): 17:00
 Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 971k hTRIG3 rate: 1495 hTRIG4 rate: 1330
 hTRIG5 rate: 502 hTRIG6 rate: 348
 Data ok Junk

Events 423k Charge 11.47mC Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 4.0 (μA)

Run Number: 2263
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l.
 Comments: coin_sparse, 30 μA, ps3=1

PS1: -1 PS2: -1 PS3: 1 PS4: -1 PS5: -1 PS6: -1
 Start time (from RC): 17:18 Stop time (from RC): 17:43
 Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 2.3M hTRIG3 rate: 5.7k hTRIG4 rate: 3.8k
 hTRIG5 rate: 3.3k hTRIG6 rate: 2.1k
 Data ok Junk

Events 2.8M Charge 3.2mC Active trigger LiveTime fraction (NPS Scaler Gui) N/A Max NPS anode current (single crystal) 10.3 (μA)

rate 2800 Hz

$p(e, e'\gamma) p$ Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/20
yy mm dd

Initials: EMK

Use a separate sheet for each configuration.

HMS

Configuration Name: Kuac-x34-5

coin_sparse

coin

E_{beam}: 10.54 GeV I_{beam}: 15 μ A

HMS 16.43

p: 4.637 θ (TV): 28.405
From GUI Nearest 0.005

SHMS NPS

θ (TV): 28.405 θ = SHMS 12.105
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Purpose:

Production

Test

Optics

Other: _____

Raster: On Off

Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>1.09</u> mm		<u>2.290</u> mm
Nomin: <u>1.7</u>		Nomin: <u>3</u>
3H07C	X	Y
<u>200</u> mm		<u>300</u> mm
Nomin: <u>2</u>		Nomin: <u>3</u>

Q1	I-SET (from PSU) <u>6004.25</u> A
	B-HALL <u>.802</u> T
Q2	I-SET (from PSU) <u>480.45</u> A
	B-HALL <u>-.931</u> T
Q3	I-SET (from PSU) <u>233.63</u> A
	B-HALL <u>.472</u> T
D	I-READ <u>1227.70</u> A
	B-NMR <u>1.209</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: <u>2264</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>17:48</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.1M</u>	hTRIG3 rate <u>4.7k</u>	hTRIG4 rate <u>3.1k</u>
Comments:			Stop time (from RC):		hTRIG5 rate <u>2.3k</u>	hTRIG6 rate <u>1.5k</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: COIN
may 30 μ A \rightarrow 25 μ A (SPARSE OFF)

Events <u>1.19M</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.88</u>	Max NPS anode current (single crystal) <u>8.24</u> (μ A)
Charge <u>16.9mC</u>		

Run Number: <u>2265</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>1</u> PS3: <u>1</u> PS4: <u>1</u> PS5: <u>1</u> PS6: <u>0</u>	Start time (from RC): <u>18:19</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.6M</u>	hTRIG3 rate <u>8.4k</u>	hTRIG4 rate <u>5.2k</u>
Comments:			Stop time (from RC):		hTRIG5 rate <u>5.8k</u>	hTRIG6 rate <u>3.5k !!!</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk ?

Comments: COIN CLASX @ 25mm (SPARSE ON)
COIN_SPARSE, 15 μ A

Events _____	Active trigger LiveTime fraction (NPS Scaler Gui) <u>98.58</u>	Max NPS anode current (single crystal) <u>9.18</u> (μ A)
Charge _____ C		

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>1</u> PS2: <u>1</u> PS3: <u>1</u> PS4: <u>1</u> PS5: <u>1</u> PS6: <u>1</u>	Start time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments:			Stop time (from RC):		hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

Comments: 2266-2270 Junk

Events _____	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
Charge _____ C		

Run Number: <u>2271</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>1</u> PS5: <u>1</u> PS6: <u>0</u>	Start time (from RC): <u>20:18</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.4M</u>	hTRIG3 rate <u>6.6k</u>	hTRIG4 rate <u>4.04k</u>
Comments:			Stop time (from RC): <u>21:13</u>		hTRIG5 rate <u>3.9k</u>	hTRIG6 rate <u>2.4k</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: COIN_SPARSE, 12 μ A

Events <u>6.28M</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.6%</u>	Max NPS anode current (single crystal) <u>7.58</u> (μ A)
Charge <u>28.72mC</u>		

Coder
Cross

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/20
yy mm dd

Initials: ekl

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Kin C - x34 - 5
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 12 μ A

Raster: On Off
 Size: 2x2

Q1	I-SET (from PSU)	A
	B-HALL	T
Q2	I-SET (from PSU)	A
	B-HALL	T
Q3	I-SET (from PSU)	A
	B-HALL	T
D	I-READ	A
	B-NMR	T
If momentum increased: <input type="checkbox"/> HMS cycled?		

HMS
 p: +4.637 θ (TV): 16.43
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	mm	mm
Nomin:		Nomin:
3H07C	X	Y
	mm	mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 28.405 θ = SHMS 12.105
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: <u>2272</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>1</u> PS2: <u>7</u> PS3: <u>7</u> PS4: <u>7</u> PS5: <u>7</u> PS6: <u>0</u>	Start time (from RC): <u>21:21</u> Stop time (from RC): <u>21:27</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate: <u>2.36M</u> hTRIG5 rate: <u>4.06k</u>	hTRIG3 rate: <u>4.56k</u> hTRIG6 rate: <u>2.5k</u>	hTRIG4 rate: <u>4.01k</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: WDRs off TEST, sweep off, coin - sparse

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____

Max NPS anode current (single crystal) (μ A) _____

Run Number: <u>2273</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>1</u> PS2: <u>1</u> PS3: <u>1</u> PS4: <u>7</u> PS5: <u>7</u> PS6: <u>0</u>	Start time (from RC): <u>21:34</u> Stop time (from RC): <u>21:27</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>2.40M</u> hTRIG5 rate: <u>4.1k</u>	hTRIG3 rate: <u>4.58k</u> hTRIG6 rate: <u>2.54k</u>	hTRIG4 rate: <u>4100</u> <input type="checkbox"/> Data ok <u>probably</u> <input type="checkbox"/> Junk
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Comments: COIN - SPARSE, 12 μ A CODA CRASH @ end

Events 6M Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.7

Max NPS anode current (single crystal) (μ A) 7.3

Run Number: <u>2274</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>1</u> PS2: <u>7</u> PS3: <u>7</u> PS4: <u>7</u> PS5: <u>7</u> PS6: <u>0</u>	Start time (from RC): <u>22:34</u> Stop time (from RC): <u>22:47</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>2.45M</u> hTRIG5 rate: <u>4.0k</u>	hTRIG3 rate: <u>67k</u> hTRIG6 rate: <u>2.5k</u>	hTRIG4 rate: <u>4.2k</u> <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk <u>SHORT</u>
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Comments: COIN SPARSE 12 μ A, Q3 repair

Events 1.75M Charge 8.5 μ C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.6%

Max NPS anode current (single crystal) (μ A) 7.46

Run Number: <u>2275</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>1</u> PS2: <u>1</u> PS3: <u>1</u> PS4: <u>1</u> PS5: <u>1</u> PS6: <u>0</u>	Start time (from RC): <u>23:09</u> Stop time (from RC): <u>23:49</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>2.4 μ</u> hTRIG5 rate: <u>3.98k</u>	hTRIG3 rate: <u>6.57k</u> hTRIG6 rate: <u>2.4k</u>	hTRIG4 rate: <u>4.05k</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: COIN SPARSE 12 μ A

Events 4.6M Charge 20.25 μ C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.8

Max NPS anode current (single crystal) (μ A) 7.5

p(e,e') p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: ___/___/___
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: kinC x36-5
 coin_sparse
 coin

E_{beam}: 10.538 GeV I_{beam}: _____ μ A

HMS
 p: +0.037 θ (TV): 16.63
From GUI Nearest 0.005

SHMS θ (TV): 28.405
Nearest 0.005
 NPS θ = SHMS -16.30°
Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current u8

Purpose:
 Production
 Test
 Optics
 Other: _____
 Raster: On Off
 Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>1.09</u> mm		<u>0.290</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.70</u> mm		<u>0.30</u> mm
Nomin:		Nomin:

I-SET (from PSU)
 Q1 604.146 A
 B-HALL 0.80210 T
 I-SET (from PSU)
 Q2 480.4630 A
 B-HALL -0.93371 T
 I-SET (from PSU)
 Q3 233.6350 A
 B-HALL 0.47069 T
 I-READ
 D 2429.060 A
 B-NMR -1.26946 T
 If momentum increased:
 HMS cycled?

Run Number: 2276
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.
 Comments: coin_sparse, 8 μ A, 20 min run

PS1: <u>-1</u>	Start time (from RC): <u>23:55:57</u>	<input checked="" type="checkbox"/> Settings Verified?	hTRIG1 rate <u>1.86.10⁶ Hz</u>	hTRIG3 rate <u>4360.8 Hz</u>	hTRIG4 rate <u>2908.7 Hz</u>
PS2: <u>-1</u>	Stop time (from RC): <u>00:21:47</u>	<input checked="" type="checkbox"/> HV OK?	hTRIG5 rate <u>1087.3 Hz</u>	hTRIG6 rate <u>1230.9 Hz</u>	<input checked="" type="checkbox"/> Data ok
PS3: <u>-1</u>		<input checked="" type="checkbox"/> 50k OK?			<input type="checkbox"/> Junk
PS4: <u>-1</u>					
PS5: <u>-1</u>					
PS6: <u>0</u>					

Events 1.829M Active trigger LiveTime fraction (NPS Scaler Gui) 99.89% Max NPS anode current (single crystal) u.92 μ A
 Charge 41 nC

Run Number: 2277
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.
 Comments: coin_sparse, u μ A, 20 min run

PS1: <u>-1</u>	Start time (from RC): <u>00:25:12</u>	<input checked="" type="checkbox"/> Settings Verified?	hTRIG1 rate <u>9.630⁵ Hz</u>	hTRIG3 rate <u>2257 Hz</u>	hTRIG4 rate <u>1411.9 Hz</u>
PS2: <u>-1</u>	Stop time (from RC): <u>00:56:10</u>	<input checked="" type="checkbox"/> HV OK?	hTRIG5 rate <u>576.1 Hz</u>	hTRIG6 rate <u>398.2 Hz</u>	<input checked="" type="checkbox"/> Data ok
PS3: <u>-1</u>		<input checked="" type="checkbox"/> 50k OK?			<input type="checkbox"/> Junk
PS4: <u>-1</u>					
PS5: <u>-1</u>					
PS6: <u>0</u>					

Events 5204 Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 2.2 μ A
 Charge 693 nC

Run Number: 2278
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.
 Comments: PEB problem (DAQ), junk

PS1: <u>-1</u>	Start time (from RC):	<input type="checkbox"/> Settings Verified?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
PS2: <u>-1</u>	Stop time (from RC):	<input type="checkbox"/> HV OK?	hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok
PS3: <u>0</u>		<input type="checkbox"/> 50k OK?			<input checked="" type="checkbox"/> Junk
PS4: <u>-1</u>					
PS5: <u>-1</u>					
PS6: <u>-1</u>					

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ μ A
 Charge _____ C

Run Number: 2279
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.
 Comments: coin_sparse, 12 μ A, 20 min run

PS1: <u>-1</u>	Start time (from RC): <u>01:08:46</u>	<input checked="" type="checkbox"/> Settings Verified?	hTRIG1 rate <u>6.73 Hz</u>	hTRIG3 rate <u>6680.2 Hz</u>	hTRIG4 rate <u>4082.2 Hz</u>
PS2: <u>-1</u>	Stop time (from RC): <u>01:32:06</u>	<input checked="" type="checkbox"/> HV OK?	hTRIG5 rate <u>4022.8 Hz</u>	hTRIG6 rate <u>2411.2 Hz</u>	<input checked="" type="checkbox"/> Data ok
PS3: <u>2</u>		<input checked="" type="checkbox"/> 50k OK?			<input type="checkbox"/> Junk
PS4: <u>-1</u>					
PS5: <u>-1</u>					
PS6: <u>-1</u>					

Events 4363M Active trigger LiveTime fraction (NPS Scaler Gui) 99.92% Max NPS anode current (single crystal) 7.09 μ A
 Charge 6.1 nC

$p(e, e' \gamma) p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: / / Initials:
 yy mm dd

Use a separate sheet for each configuration.

HMS

Configuration Name: kinC-x36-5
 coin_sparse
 coin

E_{beam}: 10.537 GeV I_{beam}: μ A

Purpose:
 Production
 Test
 Optics
 Other:

Raster: On Off
 Size: 2x2

HMS
 p: +0.037 θ (TV): 16.43
From GUI Nearest 0.005

SHMS **NPS**
 θ (TV): 28.406 θ = SHMS 12.106
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current WUS

Beam position and angle on target:

3H07A	X	Y
<u>1.09</u> mm		<u>0.29</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

I-SET (from PSU)	<u>604.146</u> A
B-HALL	<u>0.80210</u> T
I-SET (from PSU)	<u>480.4630</u> A
B-HALL	<u>-0.93371</u> T
I-SET (from PSU)	<u>233.6350</u> A
B-HALL	<u>0.47069</u> T
I-READ	<u>1429.060</u> A
B-NMR	<u>-1.26946</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 2280
 LH2 10cm LD2 10cm
 Dummy 10cm Optics#1 8cm
 C 0.5% r.l.
 Comments: coin-opause, 4 μ A, 20 min run, JUNK

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
 Start time (from RC): Stop time (from RC):
 Settings Verified? HV OK? 50k OK?

hTRIG1 rate hTRIG3 rate hTRIG4 rate
 hTRIG5 rate hTRIG6 rate Data ok Junk

Events Charge C
 Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) μ A

Run Number: 2281
 LH2 10cm LD2 10cm
 Dummy 10cm Optics#1 8cm
 C 0.5% r.l.
 Comments: coin-opause, 4 μ A, 20 min

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
 Start time (from RC): 02:40:08 Stop time (from RC): 02:00:01
 Settings Verified? HV OK? 50k OK?

hTRIG1 rate 9.64106 hTRIG3 rate 2223.2 hTRIG4 rate 1353.2
 hTRIG5 rate 6008 hTRIG6 rate 414.2 Data ok Junk

Events 408 Charge 3.33 mC
 Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 2.16 μ A

Run Number: 2282
 LH2 10cm LD2 10cm
 Dummy 10cm Optics#1 8cm
 C 0.5% r.l.
 Comments: coin, 12 μ A, 10 min, JUNK

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
 Start time (from RC): Stop time (from RC):
 Settings Verified? HV OK? 50k OK?

hTRIG1 rate hTRIG3 rate hTRIG4 rate
 hTRIG5 rate hTRIG6 rate Data ok Junk

Events Charge C
 Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) μ A

Run Number: 2283
 LH2 10cm LD2 10cm
 Dummy 10cm Optics#1 8cm
 C 0.5% r.l.
 Comments: coin, 12 μ A, 10 min

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 3
 Start time (from RC): 02:12:41 Stop time (from RC): 02:26:02
 Settings Verified? HV OK? 50k OK?

hTRIG1 rate 2.9106 hTRIG3 rate 6618.1 hTRIG4 rate 398.1
 hTRIG5 rate 4145.1 hTRIG6 rate 2570.8 Data ok Junk

Events 363 Charge 8.19 mC
 Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% Max NPS anode current (single crystal) 7.10 μ A

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: / /
yy mm dd

Initials:

Use a separate sheet for each configuration.

HMS

Configuration Name:
vinc-x36-5
coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other:

E_{beam}: 10.637 GeV I_{beam}: μ A

Raster: On Off
Size: 2x2

Q1 I-SET (from PSU) 604.1460 A
B-HALL 0.80240 T
Q2 I-SET (from PSU) 480.4630 A
B-HALL -0.93374 T
Q3 I-SET (from PSU) 233.6350 A
B-HALL 0.47069 T
D I-READ 1429.080 A
B-NMR -1.26946 T
If momentum increased:
 HMS cycled?

HMS
p: +04.037 θ (TV): 16.43
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.09</u> mm	<u>0.29</u> mm	
Nomin:	Nomin:	
3H07C	X	Y
<u>0.7</u> mm	<u>0.3</u> mm	
Nomin:	Nomin:	

SHMS θ (TV): 28.405
Nearest 0.005
NPS θ = SHMS 12.405
-16.30°
Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 448

Run Number: 2284
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.
 Comments: coin sparse low, 20 min, 4 μ A
 PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
 Start time (from RC): 02:32:17 Stop time (from RC): 02:57:02
 Settings Verified? HV OK? 50k OK?
 hTRIG1 rate: 9.5210 Hz hTRIG3 rate: 2151.9 Hz hTRIG4 rate: 1375.9 Hz
 hTRIG5 rate: 329.6 Hz hTRIG6 rate: 604.1 Hz
 Data ok Junk
 Events 850K Charge 2.7 mC Active trigger LiveTime fraction (NPS Scaler Gui) 99.89% Max NPS anode current (single crystal) 2.29 (μ A)

Run Number: 2285
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.
 Comments: coin sparse, 30 μ A, 20 min
 PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
 Start time (from RC): 03:11:41 Stop time (from RC): 03:46:06
 Settings Verified? HV OK? 50k OK?
 hTRIG1 rate: 2.6210 Hz hTRIG3 rate: 6301.6 Hz hTRIG4 rate: 3752.0 Hz
 hTRIG5 rate: 3812.7 Hz hTRIG6 rate: 2225.6 Hz
 Data ok Junk
 Events 3.7 M Charge 47.52 mC Active trigger LiveTime fraction (NPS Scaler Gui) 99.67% Max NPS anode current (single crystal) 15.25 (μ A)

Run Number: 2286
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.
 Comments: coin sparse, 15 μ A, 20 min
 PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
 Start time (from RC): 03:49:12 Stop time (from RC): 04:23:27
 Settings Verified? HV OK? 50k OK?
 hTRIG1 rate: 9.9710 Hz hTRIG3 rate: 3194.5 Hz hTRIG4 rate: 1853.3 Hz
 hTRIG5 rate: 1012.6 Hz hTRIG6 rate: 633.0 Hz
 Data ok Junk
 Events 1 M Charge 2.1 mC Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 7.41 (μ A)

Run Number: 2287
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i.
 Comments: coin sparse low, 15 μ A, 20 min
 PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
 Start time (from RC): 04:26:44 Stop time (from RC): 06:00:28
 Settings Verified? HV OK? 50k OK?
 hTRIG1 rate: 1.210 Hz hTRIG3 rate: 3282.7 Hz hTRIG4 rate: 2026.1 Hz
 hTRIG5 rate: 996.4 Hz hTRIG6 rate: 613.4 Hz
 Data ok Junk
 Events 970K Charge 22 mC Active trigger LiveTime fraction (NPS Scaler Gui) 99.94% Max NPS anode current (single crystal) 7.86 (μ A)

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: / / Initials:
 yy mm dd

Use a separate sheet for each configuration.

HMS

Configuration Name: Kim C x 36-5
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other:

E_{beam}: 10.538 GeV I_{beam}: μ A

Raster: On Off
 Size: 2x2

HMS
 p: +0.4-0.37 θ (TV): 16.43
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.09</u> mm		<u>0.28</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.700</u> mm		<u>0.300</u> mm
Nomin:		Nomin:

SHMS θ (TV): 28.408 Nearest 0.005
NPS θ = SHMS 12.105 Nearest 0.005
-16.30°

Collimator: HMS: Large Sieve NPS Sweep Current 448

Q1	I-SET (from PSU) <u>604.1460</u> A
	B-HALL <u>0.180210</u> T
Q2	I-SET (from PSU) <u>480.4630</u> A
	B-HALL <u>-0.03374</u> T
Q3	I-SET (from PSU) <u>233.6360</u> A
	B-HALL <u>0.47069</u> T
D	I-READ <u>1429.060</u> A
	B-NMR <u>-1.26946</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 2288
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.i

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

Start time (from RC): 05:11:13 Stop time (from RC): 05:38:29

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 2.67e6 Hz hTRIG3 rate: 6553.8 Hz hTRIG4 rate: 3848.8 Hz
 hTRIG5 rate: 2850.4 Hz hTRIG6 rate: 1804.3 Hz

Comments: coin-pause-low, 30 μ A, 20 min

Events 3.34M Charge 38.5mC Active trigger LiveTime fraction (NPS Scaler Gui) 99.65% Max NPS anode current (single crystal) 15.18 μ A

Data ok Junk

Run Number: 2289
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.i

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

Start time (from RC): 05:41:02 Stop time (from RC): 07:03:14

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 2.06e6 Hz hTRIG3 rate: 4776.3 Hz hTRIG4 rate: 3080.6 Hz
 hTRIG5 rate: 2322.6 Hz hTRIG6 rate: 1581.1 Hz

Comments: coin-pause, 25 μ A, 40 min (42)

Events 5.17M Charge 77.3mC Active trigger LiveTime fraction (NPS Scaler Gui) 99.81% Max NPS anode current (single crystal) 5.64 μ A

Data ok Junk

Run Number: 2290
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.i

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

Start time (from RC): 07:07:16 Stop time (from RC): 07:28:55

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.58e6 Hz hTRIG3 rate: 3779.8 Hz hTRIG4 rate: 2698 Hz
 hTRIG5 rate: 1626.6 Hz hTRIG6 rate: 1077.7 Hz

Comments: coin-pause, 20 μ A, 20 min

Events 1.183M Charge 20.5mC Active trigger LiveTime fraction (NPS Scaler Gui) 99.96% Max NPS anode current (single crystal) 7.33 μ A

Data ok Junk

Run Number: 2291
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.i

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

Start time (from RC): 07:32:18 Stop time (from RC): 07:52:29

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 7.95e6 Hz hTRIG3 rate: 1941.7 Hz hTRIG4 rate: 1315.6 Hz
 hTRIG5 rate: 4699 Hz hTRIG6 rate: 318.1 Hz

Comments: coin-pause, 10 μ A, 20 min

Events 312K Charge 8.1mC Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 3.34 μ A

Data ok Junk

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/27
yy mm dd

Initials CKC

Use a separate sheet for each configuration.

HMS

Configuration Name: KINC-836-5

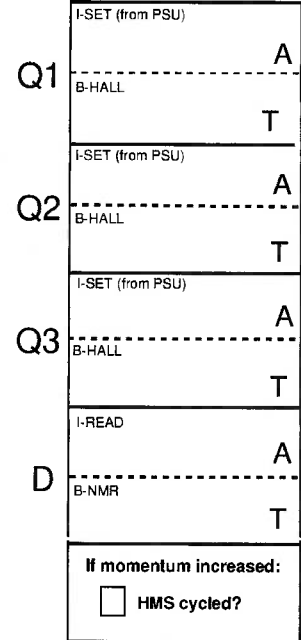
coin_sparse
coin

Purpose:

- Production
 Test
 Optics
 Other:

E_{beam}: 10.538 GeV I_{beam}: 25 μ A

Raster: On Off
Size: 2x2



HMS
p: +10 4.6370 θ (TV): 16.43
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.71</u> mm		<u>1.300</u> mm
Nomin: <u>1.7</u>		Nomin: <u>1.3</u>
3H07C	X	Y
<u>1.684</u> mm		<u>1.306</u> mm
Nomin: <u>1.7</u>		Nomin: <u>1.3</u>

SHMS **NPS**
 θ (TV): 28.405 θ = SHMS 12.105
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: 2292
 LH2 10cm PS1: -1 Start time (from RC): 7:57:23
 LD2 10cm PS2: -1 Stop time (from RC): 8:26
 Dummy 10cm PS3: 1 Settings Verified?
 Optics#1 8cm PS4: -1 HV OK?
 C 0.5% r.l.i. PS5: -1 50k OK?
 PS6: -1 hTRIG1 rate: 2.0M hTRIG3 rate: 4.7k hTRIG4 rate: 3.1k
 Comments: coin sparse, 25 μ A, 20 min Events 7.0M Active trigger LiveTime fraction (NPS Scaler Gui) --- Max NPS anode current (single crystal) 8.7 (μ A)
 Charge 33.4 μ C Data ok Junk

Run Number: 2293
 LH2 10cm PS1: -1 Start time (from RC): 8:28
 LD2 10cm PS2: -1 Stop time (from RC): 9:18
 Dummy 10cm PS3: -1 Settings Verified?
 Optics#1 8cm PS4: -1 HV OK?
 C 0.5% r.l.i. PS5: 1 50k OK?
 PS6: 0 hTRIG1 rate: 2.1M hTRIG3 rate: 4.9k hTRIG4 rate: 3.2k
 Comments: coin_sparse, 25 μ A, 40 min Events 4.2M Active trigger LiveTime fraction (NPS Scaler Gui) 97.9 Max NPS anode current (single crystal) 9.0 (μ A)
 Charge 43.8 μ C Data ok Junk

Run Number: 2294
 LH2 10cm PS1: -1 Start time (from RC): 9:29
 LD2 10cm PS2: -1 Stop time (from RC): 9:30
 Dummy 10cm PS3: -1 Settings Verified?
 Optics#1 8cm PS4: -1 HV OK?
 C 0.5% r.l.i. PS5: 1 50k OK?
 PS6: 0 hTRIG1 rate: hTRIG3 rate: hTRIG4 rate: Data ok
 Comments: COIN, 25 μ A (NO SPARSE) (400MB) Events --- Active trigger LiveTime fraction (NPS Scaler Gui) --- Max NPS anode current (single crystal) --- (μ A)
 Charge --- C Junk

Run Number: 2295
 LH2 10cm PS1: 1 Start time (from RC): 9:32
 LD2 10cm PS2: -1 Stop time (from RC): 9:45
 Dummy 10cm PS3: -1 Settings Verified?
 Optics#1 8cm PS4: -1 HV OK?
 C 0.5% r.l.i. PS5: -1 50k OK?
 PS6: 2 hTRIG1 rate: 2.0M hTRIG3 rate: 4.8k hTRIG4 rate: 3.2k
 Comments: COIN, 25 μ A (NO SPARSE) 125 MB/s Events 1.04M Active trigger LiveTime fraction (NPS Scaler Gui) 99.82 Max NPS anode current (single crystal) 8.97 (μ A)
 Charge 1.2 μ C Data ok Junk

p(e,e') p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/27
yy mm dd

Initials: ERK

Use a separate sheet for each configuration.

HMS

Configuration Name: K1AC-x36-5 b
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 12 μA

Raster: On Off
 Size: 2x2

Q1	I-SET (from PSU) <u>604.25</u> A
	B-HALL
	<u>0.802</u> T
Q2	I-SET (from PSU) <u>480.45</u> A
	B-HALL
	<u>-0.933</u> T
Q3	I-SET (from PSU) <u>233.44</u> A
	B-HALL
	<u>0.4705</u> T
D	I-READ <u>1427.79</u> A
	B-NMR
	<u>1.26945</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

HMS
 p: +D 4.6370 θ(TV): 16.43
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.69</u> mm		<u>305</u> mm
Nomin: <u>1.7</u>		Nomin: <u>3</u>
3H07C	X	Y
<u>717</u> mm		<u>312</u> mm
Nomin: <u>7</u>		Nomin: <u>3</u>

SHMS **NPS**
 θ(TV): 30.69 θ = SHMS 14.39
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468.

Run Number: 2294
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 _____ PS6: 0

Start time (from RC): 14.51
 Stop time (from RC): 15.59

Settings Verified?
 HV OK?
 50k OK? NOT completed

hTRIG1 rate: 1.8M hTRIG3 rate: 6.8k hTRIG4 rate: 4.1k
 hTRIG5 rate: 2.7k hTRIG6 rate: 1.7k

Data ok
 Junk

Comments: COIN - SPARSE, CORR = off, 12 μA

Events 57M Active trigger LiveTime fraction (NPS Scaler Gui) 29.5% Max NPS anode current (single crystal) 5.12 (μA)
 Charge 404nC

Run Number: 2297
 LH2 10cm PS1: _____
 LD2 10cm PS2: _____
 Dummy 10cm PS3: _____
 Optics#1 8cm PS4: _____
 C 0.5% r.l.l PS5: _____
 _____ PS6: _____

Start time (from RC): _____
 Stop time (from RC): _____

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
 hTRIG5 rate: _____ hTRIG6 rate: _____

Data ok
 Junk

Comments: Junk

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μA)
 Charge _____ C

Run Number: 2298
 LH2 10cm PS1: _____
 LD2 10cm PS2: _____
 Dummy 10cm PS3: _____
 Optics#1 8cm PS4: _____
 C 0.5% r.l.l PS5: _____
 _____ PS6: _____

Start time (from RC): _____
 Stop time (from RC): _____

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
 hTRIG5 rate: _____ hTRIG6 rate: _____

Data ok
 Junk

Comments: Junk

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μA)
 Charge _____ C

Run Number: 2299
 LH2 10cm PS1: _____
 LD2 10cm PS2: _____
 Dummy 10cm PS3: _____
 Optics#1 8cm PS4: _____
 C 0.5% r.l.l PS5: _____
 _____ PS6: _____

Start time (from RC): _____
 Stop time (from RC): _____

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
 hTRIG5 rate: _____ hTRIG6 rate: _____

Data ok
 Junk

Comments: Junk

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μA)
 Charge _____ C

$p(e, e'\gamma) p$ Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/27
yy mm dd

Initials: KM

Use a separate sheet for each configuration.

HMS

Configuration Name: kin-836 5 b

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: _____ GeV I_{beam}: _____ μ A

Raster: On Off
Size: _____

HMS
p: +/- _____ θ (TV): _____
From GUI Nearest 0.005

Same Config

SHMS NPS
 θ (TV): _____ $\theta =$ SHMS
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Beam position and angle on target:

3H07A	X	Y
	mm	mm
Nomin:		
3H07C	X	Y
	mm	mm
Nomin:		

Q1	I-SET (from PSU)	A
	B-HALL	T
Q2	I-SET (from PSU)	A
	B-HALL	T
Q3	I-SET (from PSU)	A
	B-HALL	T
D	I-READ	A
	B-NMR	T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: <u>2300</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>16:40:02</u> Stop time (from RC): <u>17:41:53</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.7M</u> hTRIG5 rate: <u>2.8k</u>	hTRIG3 rate: <u>6.8k</u> hTRIG6 rate: <u>1.5k</u>	hTRIG4 rate: <u>4.2k</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Sweeper Coin sparse, correctors OFF, 12 μ A

Events 5.4M Active trigger LiveTime fraction (NPS Scaler Gui) 99.4% Max NPS anode current (single crystal) 5.38 μ A
Charge 35.36mC

Run Number: <u>2301</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>17:43:19</u> Stop time (from RC): <u>18:43:29</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.7M</u> hTRIG5 rate: <u>2.6k</u>	hTRIG3 rate: <u>6.7k</u> hTRIG6 rate: <u>1.6k</u>	hTRIG4 rate: <u>4.0k</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Sweeper Coin sparse, correctors OFF, 12 μ A

Events 5.1M Active trigger LiveTime fraction (NPS Scaler Gui) 99.8% Max NPS anode current (single crystal) 5.25 μ A
Charge 35.63mC

Run Number: <u>2302</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>18:45:03</u> Stop time (from RC): _____	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.7M</u> hTRIG5 rate: <u>2.5k</u>	hTRIG3 rate: <u>6.6k</u> hTRIG6 rate: <u>1.5k</u>	hTRIG4 rate: <u>4.0k</u> <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk?
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Comments: Possible Junk - CODA Error Coin sparse, Sweeper correctors OFF, 12 μ A

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) 99.8% Max NPS anode current (single crystal) 5.43 μ A
Charge _____ C

Run Number: <u>2303</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>19:24:16</u> Stop time (from RC): <u>20:25:54</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.68M</u> hTRIG5 rate: <u>2.4k</u>	hTRIG3 rate: <u>6.5k</u> hTRIG6 rate: <u>1.6k</u>	hTRIG4 rate: <u>4.0k</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Coin sparse, Sweeper correctors OFF, 12 μ A

Events 5.0M Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% Max NPS anode current (single crystal) 5.57 μ A
Charge 35.30mC

p(e,e' γ)p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23 / 10 / 27
yy mm dd

Initials: *KA*

Use a separate sheet for each configuration.

HMS

Configuration Name: Wink 36 S **b**
coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

Q1	I-SET (from PSU) ----- A B-HALL ----- T
Q2	I-SET (from PSU) ----- A B-HALL ----- T
Q3	I-SET (from PSU) ----- A B-HALL ----- T
D	I-READ ----- A B-NMR ----- T
If momentum increased: <input type="checkbox"/> HMS cycled?	

E_{beam}: _____ GeV I_{beam}: _____ μ A

Raster: On Off
Size: _____

HMS
p: +/- _____ θ (TV): _____
From GUI Nearest 0.005

Same

Beam position and angle on target:

3H07A	X	Y
	mm	mm
Nomin:		Nomin:
3H07C	X	Y
	mm	mm
Nomin:		Nomin:

Center

SHMS NPS
 θ (TV): _____ θ = SHMS
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: 2304
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
Comments: _____

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

Start time (from RC): 20:30:27
Stop time (from RC): 20:50:57

Settings Verified? HV OK? 50k OK?

hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
<u>1.2 M</u>	<u>4.5 k</u>	<u>2.7 k</u>
hTRIG5 rate	hTRIG6 rate	<input checked="" type="checkbox"/> Data ok
<u>1.2 k</u>	<u>760</u>	<input type="checkbox"/> Junk

Correctors OFF

Events 910k Active trigger LiveTime fraction (NPS Scaler Gui) 91.9% Max NPS anode current (single crystal) 3.57 (μ A)

Charge 9.01 mC

Comments: Coin Sparse, Sweeper Correctors OFF, 46 μ A

Run Number: 2305
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
Comments: _____

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

Start time (from RC): 20:53:34
Stop time (from RC): 21:14:08

Settings Verified? HV OK? 50k OK?

hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
<u>550k</u>	<u>2.3 k</u>	<u>1.4 k</u>
hTRIG5 rate	hTRIG6 rate	<input checked="" type="checkbox"/> Data ok
<u>400</u>	<u>250</u>	<input type="checkbox"/> Junk

Events 300k Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 2.00 (μ A)

Charge 4.6 mC

Comments: Coin Sparse, Sweeper Correctors OFF, 4 μ A

Run Number: 2306
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
Comments: _____

PS1: -1 PS2: -1 PS3: 2 PS4: -1 PS5: -1 PS6: -1

Start time (from RC): 21:21:52
Stop time (from RC): 21:48:15

Settings Verified? HV OK? 50k OK?

hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
<u>1.8 M</u>	<u>66 k</u>	<u>3.9 k</u>
hTRIG5 rate	hTRIG6 rate	<input checked="" type="checkbox"/> Data ok
<u>2.5 k</u>	<u>1.7 k</u>	<input type="checkbox"/> Junk

Events 2.7 M Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 5.45 (μ A)

Charge 13.99 mC

Comments: Coin Sparse, Sweeper Correctors OFF, 12 μ A, ps3=2

Run Number: 2307
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
Comments: _____

PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____

Start time (from RC): _____
Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
_____	_____	_____
hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok
_____	_____	<input checked="" type="checkbox"/> Junk

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μ A)

Charge _____ C

Comments: Junk

p(e,e' γ)p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/27
yy mm dd

Initials: MM

Use a separate sheet for each configuration.

HMS

Configuration Name: kinC-x36-5 b

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: _____ GeV I_{beam}: _____ μ A

Raster: On Off
Size: _____

HMS
 θ : +/- _____ θ (TV): _____
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	mm	mm
Nomin:		Nomin:
3H07C	X	Y
	mm	mm
Nomin:		Nomin:

Q1	I-SET (from PSU)	A
	B-HALL	T
Q2	I-SET (from PSU)	A
	B-HALL	T
Q3	I-SET (from PSU)	A
	B-HALL	T
D	I-READ	A
	B-NMR	T

If momentum increased:
 HMS cycled?

SHMS **NPS**

θ (TV): _____ θ = SHMS
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: 2308

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.l

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

Start time (from RC): 21:52:08 Stop time (from RC): 22:15:04

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.4M hTRIG3 rate: 2.2k hTRIG4 rate: 1.4k

hTRIG5 rate: 950 hTRIG6 rate: 600

Data ok Junk

Comments: coin sparse low, Sweeper Correctors OFF, 4 μ A

Events 770k Charge 5.09mC Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% Max NPS anode current (single crystal) 1.92 μ A

Run Number: 2309

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.l

PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____

Start time (from RC): _____ Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____

hTRIG5 rate: _____ hTRIG6 rate: _____

Data ok Junk

Comments: Junk

Events _____ Charge _____ C Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μ A)

Run Number: 2310

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.l

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 3

Start time (from RC): 22:23:39 Stop time (from RC): 22:35:44

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.7M hTRIG3 rate: 6.5k hTRIG4 rate: 4.0k

hTRIG5 rate: 2.6k hTRIG6 rate: 1.7k

Data ok Junk

Comments: Coin, Sweeper Correctors OFF, 12 μ A, PS6=3

Events 200k Charge 7.09mC Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 5.52 μ A

Run Number: 2311

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.l

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

Start time (from RC): 23:01:29 Stop time (from RC): 23:15:24

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.5M hTRIG3 rate: 6.5k hTRIG4 rate: 3.8k

hTRIG5 rate: 2.1k hTRIG6 rate: 1.4k

Data ok Junk

Comments: Coin Sparse, Sweeper Correctors OFF, 30 μ A

Events 770k Charge 6.53mC Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% Max NPS anode current (single crystal) 8.80 μ A

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/27
yy mm dd

Initials: mm

Use a separate sheet for each configuration.

HMS

Configuration Name: 1mc_x36_5 6
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: _____ GeV I_{beam}: _____ μ A

Raster: On Off
 Size: _____

HMS
 p: +/- _____ θ (TV): _____
From GUI Nearest 0.005

Same Config

Beam position and angle on target:

3H07A	X	Y
	mm	mm
Nomin:		Nomin:
3H07C	X	Y
	mm	mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): _____ θ = SHMS
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Q1	I-SET (from PSU)	A
	B-HALL	T
Q2	I-SET (from PSU)	A
	B-HALL	T
Q3	I-SET (from PSU)	A
	B-HALL	T
D	I-READ	A
	B-NMR	T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: 2312
 LH2 10cm PS1: -1 Start time (from RC): 23:17:49
 LD2 10cm PS2: -1 Stop time (from RC): 23:30:37
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0
Comments: _____
 Settings Verified? hTRIG1 rate: 730k hTRIG3 rate: 3.3k hTRIG4 rate: 2.0k
 HV OK? hTRIG5 rate: 600 hTRIG6 rate: 410
 50k OK? Data ok
 Junk

Comments: coin spars, Saver, Connectors OFF, 15 μ A
 Events 220k Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% Max NPS anode current (single crystal) 5.98 (μ A)
 Charge 525mC

Run Number: 2313
 LH2 10cm PS1: -1 Start time (from RC): 00:07
 LD2 10cm PS2: -1 Stop time (from RC): 01:08
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0
Comments: _____
 Settings Verified? hTRIG1 rate: 1.2MHz hTRIG3 rate: 4284 hTRIG4 rate: 3314
 HV OK? hTRIG5 rate: 1453 hTRIG6 rate: 998.1
 50k OK? Data ok
 Junk

Comments: _____
 Events 2860K Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 6.76 (μ A)
 Charge 69.4mC

Run Number: 2314
 LH2 10cm PS1: -1 Start time (from RC): 1:09
 LD2 10cm PS2: -1 Stop time (from RC): 2:19
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: 0
 PS6: 0
Comments: _____
 Settings Verified? hTRIG1 rate: 1.26MHz hTRIG3 rate: 4862 hTRIG4 rate: 3092
 HV OK? hTRIG5 rate: 1419 hTRIG6 rate: 960
 50k OK? Data ok
 Junk

Comments: _____
 Events 3444K Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) 5.27 (μ A)
 Charge 83.95C

Run Number: 2315
 LH2 10cm PS1: -1 Start time (from RC): 2:21
 LD2 10cm PS2: -1 Stop time (from RC): 2:41
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0
Comments: _____
 Settings Verified? hTRIG1 rate: 1MHz hTRIG3 rate: 3936 hTRIG4 rate: 2627
 HV OK? hTRIG5 rate: 968 hTRIG6 rate: 670
 50k OK? Data ok
 Junk

Comments: _____
 Events 582k Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) 20 (μ A)
 Charge 16.27C

CAM

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/28
yy mm dd

Initials: CAM

Use a separate sheet for each configuration.

HMS

Configuration Name:
Kin C-x36-5 b
coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.537 GeV I_{beam}: 25, 20, 10 μ A

Raster: On Off
Size: 2x2

HMS
p: +0 4.6370 θ (TV): 16.435
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.70</u> mm		<u>0.30</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.36</u> mm		<u>0.71</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 30.690 θ = SHMS 14.390
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current ON

Q1	I-SET (from PSU) <u>604.146</u> A B-HALL <u>0.80180</u> T
Q2	I-SET (from PSU) <u>480.463</u> A B-HALL <u>-0.93146</u> T
Q3	I-SET (from PSU) <u>233.635</u> A B-HALL <u>0.47000</u> T
D	I-READ <u>1429.060</u> A B-NMR <u>1.26945</u> T
If momentum increased: <input type="checkbox"/> HMS cycled? <u>N/A</u>	

Run Number: 2316
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0

Start time (from RC): 2:43
Stop time (from RC): 03:06

Settings Verified?
HV OK?
50k OK?

hTRIG1 rate: 500kHz hTRIG3 rate: 1941 hTRIG4 rate: 1300
hTRIG5 rate: 300 hTRIG6 rate: 200

Events 291k Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) μ A

Charge C Data ok Junk

Run Number: 2317
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: +1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: -1

Start time (from RC): 3:08
Stop time (from RC): 3:27

Settings Verified?
HV OK?
50k OK?

hTRIG1 rate: 1.3MHz hTRIG3 rate: 4.8 hTRIG4 rate: 3200
hTRIG5 rate: 1500 hTRIG6 rate: 1000

Events 2.2M Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) μ A

Charge 2.09 C Data ok Junk

Run Number: 2318
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: 0
 PS6: 0

Start time (from RC): 3:35
Stop time (from RC): 3:56

Settings Verified?
HV OK?
50k OK?

hTRIG1 rate: 1.91MHz hTRIG3 rate: 1962 hTRIG4 rate: 1300
hTRIG5 rate: 886 hTRIG6 rate: 600

Events 680k Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) μ A

Charge C Data ok Junk

Run Number: 2319
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 3

Start time (from RC): 4:01
Stop time (from RC): 4:12

Settings Verified?
HV OK?
50k OK?

hTRIG1 rate: hTRIG3 rate: hTRIG4 rate: Data ok
hTRIG5 rate: hTRIG6 rate: Junk

Events 113k Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) μ A

Charge 13.53 C Data ok Junk

Sparse OFF

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/28
yy mm dd

Initials: CAM

Use a separate sheet for each configuration.

HMS

Configuration Name: KIN C. x36.5
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.537 GeV I_{beam}: 25.20 μ A

Raster: On Off
 Size: 2x2

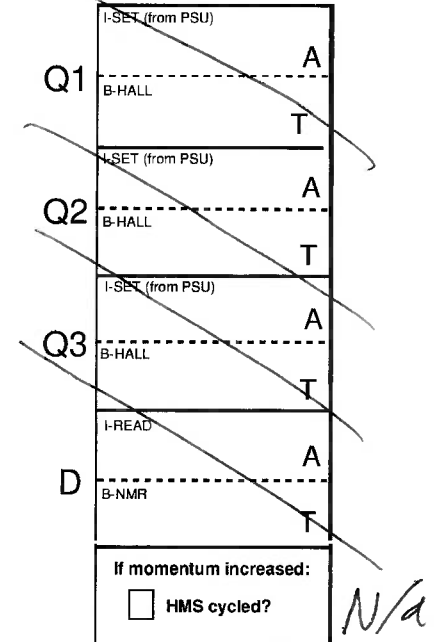
HMS
 p: +4.6370 θ (TV): 16.435
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.71</u>	mm	<u>0.30</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.31</u>	mm	<u>0.69</u> mm
Nomin:		Nomin:

SHMS θ (TV): 30.690 Nearest 0.005
NPS θ = SHMS 14.300
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current ON



Run Number: 2320
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l

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

Start time (from RC): 4:25 Stop time (from RC): 5:25

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.75 MHz hTRIG3 rate: 6524 hTRIG4 rate: 4000
 hTRIG5 rate: 2600 hTRIG6 rate: 1600 Data ok Junk

Events 4203K Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) 2.59 (μ A)
 Charge _____ C

Run Number: 2321
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l

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

Start time (from RC): 5:27 Stop time (from RC): 6:26

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.75 MHz hTRIG3 rate: 6500 hTRIG4 rate: 4000
 hTRIG5 rate: 2600 hTRIG6 rate: 1600 Data ok Junk

Events 4636K Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) _____ (μ A)
 Charge 3261C

Run Number: 2322
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l

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

Start time (from RC): 6:33 Stop time (from RC): 7:34

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.75 MHz hTRIG3 rate: 6500 hTRIG4 rate: 4000
 hTRIG5 rate: 2600 hTRIG6 rate: 1600 Data ok Junk

Events 3000K Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) 5.08 (μ A)
 Charge _____ C

Run Number: 2323
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l

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

Start time (from RC): 7:35 Stop time (from RC): 8:35

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.3 MHz hTRIG3 rate: 4900 hTRIG4 rate: 3200
 hTRIG5 rate: 1400 hTRIG6 rate: 943 Data ok Junk

Events 2882K Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) 6.24 (μ A)
 Charge 69.68mC

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/18
yy mm dd

Initials: MD

Use a separate sheet for each configuration.

HMS

Configuration Name: KINC x36 5

coin_sparse
coin

E_{beam}: 10.537 GeV I_{beam}: 25 μ A

HMS

p: +0.46370 θ (TV): 16.43
From GUI Nearest 0.005

SHMS **NPS**

θ (TV): 30.69 $\theta =$ SHMS 14.39
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current ON

Purpose:

Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>1.717</u> mm		<u>0.315</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>604.146</u> A	B-HALL <u>0.8</u> T
Q2	I-SET (from PSU) <u>480.463</u> A	B-HALL <u>-0.931</u> T
Q3	I-SET (from PSU) <u>233.635</u> A	B-HALL <u>0.471</u> T
D	I-READ <u>1429.06</u> A	B-NMR <u>1.26945</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: 2324

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 _____ PS6: 0

Start time (from RC): 8:38 Settings Verified?
Stop time (from RC): 9:37 HV OK?
50k OK?

hTRIG1 rate: 1.3 MHz hTRIG3 rate: 5000 hTRIG4 rate: 3226

hTRIG5 rate: 1475 hTRIG6 rate: 978.4

Data ok Junk

Events: 3010 Active trigger LiveTime fraction (NPS Scaler Gui): 99.92% Max NPS anode current (single crystal) (μ A): 6.4

Charge: 229 mC

Run Number: _____

LH2 10cm PS1: _____
 LD2 10cm PS2: _____
 Dummy 10cm PS3: _____
 Optics#1 8cm PS4: _____
 C 0.5% r.l.l PS5: _____
 _____ PS6: _____

Start time (from RC): _____ Settings Verified?
Stop time (from RC): _____ HV OK?
50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____

hTRIG5 rate: _____ hTRIG6 rate: _____

Data ok Junk

Events: _____ Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal) (μ A): _____

Charge: _____ C

Run Number: _____

LH2 10cm PS1: _____
 LD2 10cm PS2: _____
 Dummy 10cm PS3: _____
 Optics#1 8cm PS4: _____
 C 0.5% r.l.l PS5: _____
 _____ PS6: _____

Start time (from RC): _____ Settings Verified?
Stop time (from RC): _____ HV OK?
50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____

hTRIG5 rate: _____ hTRIG6 rate: _____

Data ok Junk

Events: _____ Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal) (μ A): _____

Charge: _____ C

Run Number: _____

LH2 10cm PS1: _____
 LD2 10cm PS2: _____
 Dummy 10cm PS3: _____
 Optics#1 8cm PS4: _____
 C 0.5% r.l.l PS5: _____
 _____ PS6: _____

Start time (from RC): _____ Settings Verified?
Stop time (from RC): _____ HV OK?
50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____

hTRIG5 rate: _____ hTRIG6 rate: _____

Data ok Junk

Events: _____ Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal) (μ A): _____

Charge: _____ C

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: ²³ 29 / 10 / 28
yy mm dd

Initials: MD

Use a separate sheet for each configuration.

HMS

Configuration Name:
KIN x50-4

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 30 μ A

Raster: On Off
Size: 2x2

HMS
p: +/- _____ θ (TV): 16.91
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS** 15.45
 θ (TV): 31.75 θ = SHMS 31.75
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Q1	I-SET (from PSU) <u>684.505</u> A
	B-HALL <u>0.911</u> T
Q2	I-SET (from PSU) <u>545.892</u> A
	B-HALL <u>-1.063</u> T
Q3	I-SET (from PSU) <u>264.707</u> A
	B-HALL <u>0.533</u> T
D	I-READ <u>1643</u> A
	B-NMR <u>1.44</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 2325 LH2 10cm PS1: -1 Start time (from RC): 10:29 Settings Verified? hTRIG1 rate: 1.2 MHz hTRIG3 rate: 3055 hTRIG4 rate: 2336

LD2 10cm PS2: -1 Stop time (from RC): 11:29 HV OK? hTRIG5 rate: 809.6 hTRIG6 rate: 611.5 Data ok

Dummy 10cm PS3: -1 50k OK? Junk

Optics#1 8cm PS4: -1 Events 2130 Active trigger LiveTime fraction (NPS Scaler Gui) 99.91 Max NPS anode current (single crystal) 6.08 μ A

C 0.5% r.l.l PS5: -1 Charge 91.6 C

Comments: PS6: 0

Run Number: 2326 LH2 10cm PS1: -1 Start time (from RC): 11:36 Settings Verified? hTRIG1 rate: hTRIG3 rate: hTRIG4 rate: Data ok

LD2 10cm PS2: -1 Stop time (from RC): 11:37 HV OK? 50k OK? hTRIG5 rate: hTRIG6 rate: Junk

Dummy 10cm PS3: -1 Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ μ A

Optics#1 8cm PS4: -1 Charge _____ C

C 0.5% r.l.l PS5: -1 Comments: Pedestals not uploaded, updated.

PS6: 0

Run Number: 2327 LH2 10cm PS1: -1 Start time (from RC): Settings Verified? hTRIG1 rate: hTRIG3 rate: hTRIG4 rate: Data ok

LD2 10cm PS2: -1 Stop time (from RC): HV OK? 50k OK? hTRIG5 rate: hTRIG6 rate: Junk

Dummy 10cm PS3: -1 Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ μ A

Optics#1 8cm PS4: -1 Charge _____ C

C 0.5% r.l.l PS5: -1 Comments: Error nps umel

PS6: 0

Run Number: 2328 LH2 10cm PS1: _____ Start time (from RC): Settings Verified? hTRIG1 rate: hTRIG3 rate: hTRIG4 rate: Data ok

LD2 10cm PS2: _____ Stop time (from RC): HV OK? 50k OK? hTRIG5 rate: hTRIG6 rate: Junk

Dummy 10cm PS3: _____ Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ μ A

Optics#1 8cm PS4: _____ Charge _____ C

C 0.5% r.l.l PS5: _____ Comments: Same error.

PS6: _____

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: / / Initials:
 yy mm dd

Use a separate sheet for each configuration.

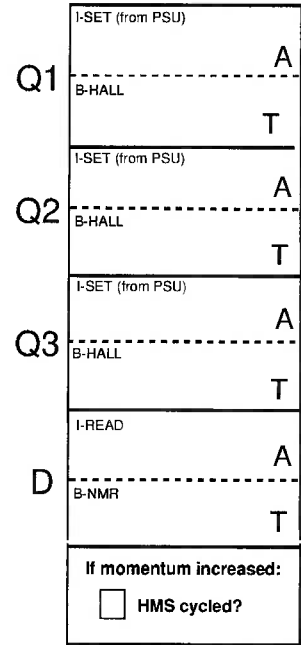
HMS

Configuration Name: Kin x 50-4
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other:

E_{beam}: 10.54 GeV I_{beam}: 18 μ A

Raster: On Off
 Size: 2x2



HMS
 p: +/- θ (TV):
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): θ = SHMS -16.30^o
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: <u>2338</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>13:38</u> Stop time (from RC): <u>13:59</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.27 MHz</u> hTRIG5 rate: <u>677.8</u>	hTRIG3 rate: <u>4000</u> hTRIG6 rate: <u>750</u>	hTRIG4 rate: <u>2862</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
-------------------------	--	---	---	--	---	---	--

Comments: coin - sparse - low (15 μ A)
 Events 789 Charge 13.15 mC
 Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) 6 (μ A)

Run Number: <u>2339</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>14:03</u> Stop time (from RC): <u>15:03</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.95 MHz</u> hTRIG5 rate: <u>2564</u>	hTRIG3 rate: <u>3330.4</u> hTRIG6 rate: <u>1800</u>	hTRIG4 rate: <u>2817</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: coin - sparse (18 μ A)
 Events 5332 Charge 52.04 mC
 Active trigger LiveTime fraction (NPS Scaler Gui) 99.36 Max NPS anode current (single crystal) 6.2 (μ A)

Run Number: <u>2340</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>15:05</u> Stop time (from RC): <u>16:08:18</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>2.2 MHz</u> hTRIG5 rate: <u>2234</u>	hTRIG3 rate: <u>4756</u> hTRIG6 rate: <u>1600</u>	hTRIG4 rate: <u>3384</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: coin - sparse (18 μ A)
 Events 5394 Charge 54.95 mC
 Active trigger LiveTime fraction (NPS Scaler Gui) 99.8 Max NPS anode current (single crystal) 6.2 (μ A)

Run Number: <u>2341</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>0</u>	Start time (from RC): <u>16:10:03</u> Stop time (from RC): <u>17:10:17</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.92e6</u> hTRIG5 rate: <u>1702.9</u>	hTRIG3 rate: <u>3910.2</u> hTRIG6 rate: <u>1240.5</u>	hTRIG4 rate: <u>2832.4</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: coin - sparse (15 μ A)
 Events 4079766 Charge 45.29 mC
 Active trigger LiveTime fraction (NPS Scaler Gui) 99.84% Max NPS anode current (single crystal) 5.46 (μ A)

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/18
yy mm dd

Initials: YZ

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
 coin_sparse Kmx50-4
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.539 GeV I_{beam}: _____ μ A

Raster: On Off
 Size: 2x2mm

HMS
 p: +/- -5.253 θ (TV): 16.920
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
1.7	mm	0.3
Nomin:		Nomin:
3H07C	X	Y
0.7	mm	0.3
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 31.745 θ = SHMS 15.445
Nearest 0.005 Nearest 0.005
 -16.30°

Collimator: HMS: Large Sieve NPS Sweep Current 467.993

Q1	I-SET (from PSU) 684.46 A
	B-HALL 0.91270 T
Q2	I-SET (from PSU) 545.84 A
	B-HALL -1.06536 T
Q3	I-SET (from PSU) 264.8 A
	B-HALL 0.5335 T
D	I-READ 1643.78 A
	B-NMR 1.44029 T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 2342
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i

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

Start time (from RC): 17:12:43 Stop time (from RC): 18:13:57

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.93e6 hTRIG3 rate: 3884.0 hTRIG4 rate: 2703.9
 hTRIG5 rate: 1630 hTRIG6 rate: 1186 Data ok Junk

Comments: coin-sparse (15 μ A)

Events: 3637303 Active trigger LiveTime fraction (NPS Scaler Gui): 99.668% Max NPS anode current (single crystal): 5.42 (μ A)
 Charge: 41.27mC

Run Number: 2343
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i

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

Start time (from RC): 18:16:58 Stop time (from RC): 18:37:25

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.35e6 hTRIG3 rate: 2536 hTRIG4 rate: 1826
 hTRIG5 rate: 792 hTRIG6 rate: 589 Data ok Junk

Comments: coin-sparse (10 μ A)

Events: 61950 Active trigger LiveTime fraction (NPS Scaler Gui): 100% Max NPS anode current (single crystal): 3.57 (μ A)
 Charge: 9.63mC

Run Number: 2344
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i

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

Start time (from RC): 18:40:29 Stop time (from RC): 19:01:08

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 6.49e5 hTRIG3 rate: 1312 hTRIG4 rate: 943
 hTRIG5 rate: 235 hTRIG6 rate: 90 Data ok Junk

Comments: coin-sparse (5 μ A)

Events: 213406 Active trigger LiveTime fraction (NPS Scaler Gui): 100% Max NPS anode current (single crystal): 2.15 (μ A)
 Charge: 5.18mC

Run Number: 2345
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.i

PS1: - PS2: 2 PS3: - PS4: - PS5: - PS6: -

Start time (from RC): _____ Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
 hTRIG5 rate: _____ hTRIG6 rate: _____ Data ok Junk

Comments: coin-sparse (15 μ A) Forget to change PS3

Events: _____ Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal): _____ (μ A)
 Charge: _____ C

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/28
yy mm dd

Initials: YZ

Use a separate sheet for each configuration.

HMS

Configuration Name: Kin x50-4

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.539 GeV I_{beam}: _____ μ A

Raster: On Off
 Size: 2x2mm

HMS
 p: +/- -5.253 θ (TV): 16.920
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 31.745 θ = SHMS 15.445
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 467.993

Q1	I-SET (from PSU) <u>684.46</u> A
	B-HALL <u>0.91270</u> T
Q2	I-SET (from PSU) <u>545.84</u> A
	B-HALL <u>-1.06536</u> T
Q3	I-SET (from PSU) <u>264.8</u> A
	B-HALL <u>0.53351</u> T
D	I-READ <u>1643.28</u> A
	B-NMR <u>1.44029</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: <u>2346</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: - PS2: - PS3: <u>2</u> PS4: - PS5: - PS6: -	Start time (from RC): <u>19:07:31</u> Stop time (from RC): <u>19:28:46</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.92e6</u>	hTRIG3 rate: <u>3912</u>	hTRIG4 rate: <u>2772</u>
Comments: <u>coin-sparse (15uA)</u>					hTRIG5 rate: <u>1717</u>	hTRIG6 rate: <u>1257</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Events <u>154313</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100% rcgui</u>	Max NPS anode current (single crystal) <u>4.85</u> (μ A)
Charge <u>1.46mC</u>		

Run Number: <u>2347</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: - PS2: - PS3: - PS4: - PS5: <u>6</u> PS6: -	Start time (from RC): <u>19:37:02</u> Stop time (from RC): <u>19:57:36</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.66e6</u>	hTRIG3 rate: <u>1290</u>	hTRIG4 rate: <u>939</u>
Comments: <u>coin-sparse-low (5uA)</u>					hTRIG5 rate: <u>482</u>	hTRIG6 rate: <u>356</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Events <u>418579</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.925%</u>	Max NPS anode current (single crystal) <u>1.99</u> (μ A)
Charge <u>5.22mC</u>		

Run Number: <u>2348</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: - PS2: - PS3: - PS4: - PS5: <u>0</u> PS6: -	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate: _____	hTRIG3 rate: _____	hTRIG4 rate: _____
Comments: _____					hTRIG5 rate: _____	hTRIG6 rate: _____	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

Events _____	Active trigger LiveTime fraction (NPS Scaler Gui) _____	Max NPS anode current (single crystal) _____ (μ A)
Charge _____ C		

Run Number: <u>2349</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: - PS2: - PS3: - PS4: - PS5: <u>2</u> PS6: -	Start time (from RC): <u>20:04:37</u> Stop time (from RC): <u>20:15:57</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.91e6</u>	hTRIG3 rate: <u>3810</u>	hTRIG4 rate: <u>2708</u>
Comments: _____					hTRIG5 rate: <u>1661</u>	hTRIG6 rate: <u>1215</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Events <u>233529</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>5.42</u> (μ A)
Charge <u>7.90mC</u>		

coin (15uA)

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/28
yy mm dd

Initials: YZ

Use a separate sheet for each configuration.

HMS

Configuration Name: Kmx50-4

coin_sparse
coin

Purpose:

Production
 Test
 Optics
 Other: _____

E_{beam}: 10.539 GeV I_{beam}: _____ μ A

Raster: On Off
Size: 2x2mm

HMS

p: +/- -5.253 θ (TV): 16.920
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS**

θ (TV): 31.745 θ = SHMS 15.445
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 467.993

Q1	I-SET (from PSU) <u>684.46</u> A
	B-HALL <u>0.91270</u> T
Q2	I-SET (from PSU) <u>545.83</u> A
	B-HALL <u>-1.06536</u> T
Q3	I-SET (from PSU) <u>264.8</u> A
	B-HALL <u>0.5335</u> T
D	I-READ <u>1643.28</u> A
	B-NMR <u>1.44029</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 2350

LH2 10cm PS1: -
 LD2 10cm PS2: -
 Dummy 10cm PS3: -
 Optics#1 8cm PS4: -
 C 0.5% r.l.i PS5: -
 _____ PS6: 0

Start time (from RC): 21:36:44 Settings Verified?
Stop time (from RC): 21:53:51 HV OK?
50k OK?

hTRIG1 rate: 7658 hTRIG3 rate: 10943004 hTRIG4 rate: 2068
hTRIG5 rate: 948 hTRIG6 rate: 681 Data ok
Junk

Comments: coin-sparse (30uA)

Events 44292 Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) ~7 (μ A)
Charge 9.02mC

Run Number: 2351

LH2 10cm PS1: -
 LD2 10cm PS2: -
 Dummy 10cm PS3: -
 Optics#1 8cm PS4: -
 C 0.5% r.l.i PS5: -
 _____ PS6: 0

Start time (from RC): 21:58:36 Settings Verified?
Stop time (from RC): 22:11:12 HV OK?
50k OK?

hTRIG1 rate: 6.42e5 hTRIG3 rate: 1529 hTRIG4 rate: 1016
hTRIG5 rate: 254.8 hTRIG6 rate: 193.3 Data ok
Junk

Comments: coin-sparse (15uA)

Events 126305 Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) ~3 (μ A)
Charge 8.68mC

Run Number: 2352

LH2 10cm PS1: _____
 LD2 10cm PS2: _____
 Dummy 10cm PS3: _____
 Optics#1 8cm PS4: _____
 C 0.5% r.l.i PS5: _____
 _____ PS6: _____

Start time (from RC): _____ Settings Verified?
Stop time (from RC): _____ HV OK?
50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
hTRIG5 rate: _____ hTRIG6 rate: _____ Data ok
Junk

Comments: DAQ test

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μ A)
Charge _____ C

Run Number: 2353

LH2 10cm PS1: -
 LD2 10cm PS2: -
 Dummy 10cm PS3: -
 Optics#1 8cm PS4: -
 C 0.5% r.l.i PS5: -
 _____ PS6: 0

Start time (from RC): 22:30:54 Settings Verified?
Stop time (from RC): 23:30:31 HV OK?
50k OK?

hTRIG1 rate: 1.36e6 hTRIG3 rate: 2987 hTRIG4 rate: 2263
hTRIG5 rate: 1010 hTRIG6 rate: 762 Data ok
Junk

Comments: coin-sparse (30uA)

Events 2496373 Active trigger LiveTime fraction (NPS Scaler Gui) 99.961% Max NPS anode current (single crystal) 5.7 (μ A)
Charge 91.2mC

p(e,e'γ)p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/28
yy mm dd

Initials: YZ

Use a separate sheet for each configuration.

HMS

Configuration Name: kin x50-4

coin_sparse
coin

E_{beam}: 10.839 GeV I_{beam}: _____ μA

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2mm

Q1	I-SET (from PSU) <u>684.46</u> A
	B-HALL <u>0.91270</u> T
Q2	I-SET (from PSU) <u>545.83</u> A
	B-HALL <u>-1.06536</u> T
Q3	I-SET (from PSU) <u>264.8</u> A
	B-HALL <u>0.53351</u> T
D	I-READ <u>1643.28</u> A
	B-NMR <u>144029</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

HMS
 p: +/- -5.253 θ(TV): 16.920
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm	<u>0.3</u> mm	
Nomin:		
3H07C	X	Y
<u>0.7</u> mm	<u>0.3</u> mm	
Nomin:		

SHMS **NPS**
 θ(TV): 31.745 θ = SHMS 15.445
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 467.993

Run Number: <u>2354</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>0</u>	Start time (from RC): <u>23:32:11</u> Stop time (from RC): <u>00:37</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.4e6</u>	hTRIG3 rate <u>3052</u>	hTRIG4 rate <u>2280</u>
Comments: <u>coin-sparse (30 μA)</u>			Events <u>2211</u> Charge <u>81.80C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.933%</u>	Max NPS anode current (single crystal) <u>6.0</u> (μA)		

Run Number: <u>Junk</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	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?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments: <u>Wrong Current</u>			Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) _____ (μA)		

Run Number: <u>2357/6</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>00:41</u> Stop time (from RC): <u>01:25</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1MHz</u>	hTRIG3 rate <u>2063</u>	hTRIG4 rate <u>1565</u>
Comments: <u>2x as long as needed, sorry.</u>			Events <u>849k</u> Charge <u>42.06C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.85</u>	Max NPS anode current (single crystal) <u>3.6</u> (μA)		

Run Number: <u>2357</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>01:27</u> Stop time (from RC): <u>01:49</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>4.3kHz</u>	hTRIG3 rate <u>1000</u>	hTRIG4 rate <u>780</u>
Comments:			Events <u>161k</u> Charge <u>10.28C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) <u>2.1</u> (μA)		

CAM

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/29
yy mm dd

Initials: CAM

Use a separate sheet for each configuration.

HMS

Configuration Name: KIN x 50.4

coin_sparse

coin

Purpose:

Production

Test

Optics

Other: _____

E_{beam}: 10.54 GeV I_{beam}: 30,20 pA

Raster: On Off

Size: 2x2

HMS

p: +13 5.253 θ (TV): 16.220

From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.68</u>	mm	<u>0.28</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.70</u>	mm	<u>0.28</u> mm
Nomin:		Nomin:

SHMS θ (TV): 31.745 Nearest 0.005

NPS θ = SHMS 15.445 Nearest 0.005

-16.30°

Collimator: HMS: Large Sieve NPS Sweep Current 467.93

Q1	I-SET (from PSU)	<u>684.45</u>	A
	B-HALL	<u>0.9320</u>	T
Q2	I-SET (from PSU)	<u>545.8</u>	A
	B-HALL	<u>-1.06228</u>	T
Q3	I-SET (from PSU)	<u>264.8</u>	A
	B-HALL	<u>0.53305</u>	T
D	I-READ	<u>1643</u>	A
	B-NMR	<u>1.44029</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?			

Run Number: 2358

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.i

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

Start time (from RC): 1:52 Stop time (from RC): 2:12

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.4 MHz hTRIG3 rate: 3000 hTRIG4 rate: 2200

hTRIG5 rate: 890 hTRIG6 rate: 667

Data ok Junk

Comments: No LT for TRIG 3. RCGUI 100%

Events 438k Charge 21.38 C Active trigger LiveTime fraction (NPS Scaler Gui) NOT AVAIL. Max NPS anode current (single crystal) 5.12 (μ A)

Run Number: 2359

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.i

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

Start time (from RC): 2:15 Stop time (from RC): 2:42

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.88 MHz hTRIG3 rate: 1000 hTRIG4 rate: 800

hTRIG5 rate: 463 hTRIG6 rate: 370

Data ok Junk

Comments: COIN SPARSE LOW

Events 533 Charge 13.69 C Active trigger LiveTime fraction (NPS Scaler Gui) 29.97 Max NPS anode current (single crystal) _____ (μ A)

Run Number: 2360

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.i

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

Start time (from RC): _____ Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____

hTRIG5 rate: _____ hTRIG6 rate: _____

Data ok Junk

Comments: _____

Events 533k Charge 13.69 C Active trigger LiveTime fraction (NPS Scaler Gui) 29.97 Max NPS anode current (single crystal) _____ (μ A)

Run Number: 2361

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.i

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

Start time (from RC): 2:47 Stop time (from RC): 3:05

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.37 MHz hTRIG3 rate: 3000 hTRIG4 rate: 2300

hTRIG5 rate: 938 hTRIG6 rate: 735

Data ok Junk

Comments: Right at 100MB/s

Events 364k Charge 26.71 C Active trigger LiveTime fraction (NPS Scaler Gui) 29.73 Max NPS anode current (single crystal) _____ (μ A)

Spasification OFF

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/29
yy mm dd

Initials: CAM

Use a separate sheet for each configuration.

HMS

Configuration Name: KIN C_x50_4

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.535 GeV I_{beam}: Varies μA

Raster: On Off
Size: 2x2

HMS
p: +/- 5.253 θ(TV): 16.926
From GUI Nearest 0.005

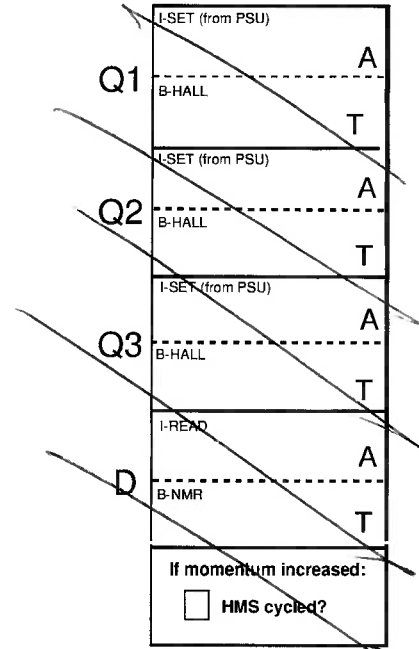
Beam position and angle on target:

3H07A	X	Y
<u>1.68</u>	mm	<u>0.25</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.25</u> mm
Nomin:		Nomin:

SHMS **NPS**

θ(TV): 31.745 θ = SHMS 15.445
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current



Run Number: <u>2362</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.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?	hTRIG1 rate _____ hTRIG3 rate _____ hTRIG4 rate _____	hTRIG5 rate _____ hTRIG6 rate _____	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: JUNK, HIT END, NOT ST...

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____

Max NPS anode current (single crystal) (μA) _____

Run Number: <u>2363</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>3:17</u> Stop time (from RC): <u>4:21</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.9MHz</u> hTRIG3 rate <u>3800</u> hTRIG4 rate <u>2822</u>	hTRIG5 rate <u>1711</u> hTRIG6 rate <u>1250</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 20 hr

Events 4.1M Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____

Max NPS anode current (single crystal) (μA) _____

Run Number: <u>2364</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>4:22</u> Stop time (from RC): <u>5:24</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate _____ hTRIG3 rate _____ hTRIG4 rate _____	hTRIG5 rate _____ hTRIG6 rate _____	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 20 hr

Events 3.4M Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____

Max NPS anode current (single crystal) (μA) _____

Run Number: <u>2365</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>5:27</u> Stop time (from RC): <u>5:47</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.3MHz</u> hTRIG3 rate <u>2500</u> hTRIG4 rate <u>1800</u>	hTRIG5 rate <u>750</u> hTRIG6 rate <u>580</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 10μA, coin sparse

Events 567K Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) 100

Max NPS anode current (single crystal) (μA) 3.15

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/29
yy mm dd

Initials: CAM

Use a separate sheet for each configuration.

Configuration Name:
KIN C-x50-4
coin_sparse
coin VARIES

E_{beam}: 10.538 GeV I_{beam}: VARIES μ A

HMS
p: +65.253 θ (TV): 16.920
From GUI Nearest 0.005

SHMS θ (TV): 31.745 Nearest 0.005
NPS $\theta =$ SHMS 46
-16.30 Nearest 0.005

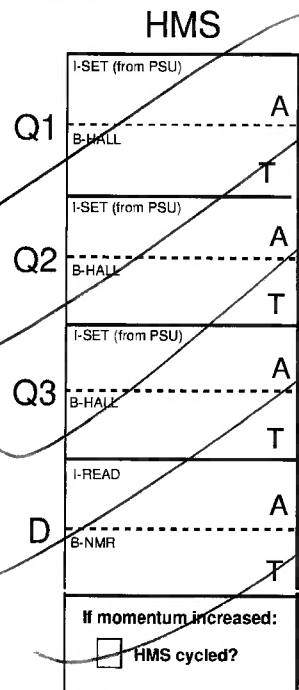
Collimator: HMS: Large Sieve NPS Sweep Current 467.933

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>1.71</u>	mm	<u>0.30</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>6.69</u>	mm	<u>0.30</u> mm
Nomin:		Nomin:



Run Number: 23676
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.
 Comments: _____
 PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
 Start time (from RC): 5:48 Stop time (from RC): 6:58
 Settings Verified? HV OK? 50k OK?
 hTRIG1 rate: 680k hTRIG3 rate: 1300 hTRIG4 rate: 980
 hTRIG5 rate: 260 hTRIG6 rate: 190 Data ok Junk
 Events 305k Charge 6.25C Active trigger LiveTime fraction (NPS Scaler Gui): 100 Max NPS anode current (single crystal) (μ A): 0.70

Run Number: 23687
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.
 Comments: _____
 PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
 Start time (from RC): 6:34 Stop time (from RC): 6:58
 Settings Verified? HV OK? 50k OK?
 hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
 hTRIG5 rate: _____ hTRIG6 rate: _____ Data ok Junk
 Events _____ Charge _____ C Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal) (μ A): _____

Run Number: 2388
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.
 Comments: JUNK
 PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____
 Start time (from RC): _____ Stop time (from RC): _____
 Settings Verified? HV OK? 50k OK?
 hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
 hTRIG5 rate: _____ hTRIG6 rate: _____ Data ok Junk
 Events _____ Charge _____ C Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal) (μ A): _____

Run Number: 2369
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.
 Comments: _____
 PS1: -1 PS2: -1 PS3: +1 PS4: -1 PS5: -1 PS6: -1
 Start time (from RC): 7:07 Stop time (from RC): _____
 Settings Verified? HV OK? 50k OK?
 hTRIG1 rate: 1.94MHz hTRIG3 rate: 4000 hTRIG4 rate: 2850
 hTRIG5 rate: 1650 hTRIG6 rate: 1190 Data ok Junk
 Events _____ Charge _____ C Active trigger LiveTime fraction (NPS Scaler Gui): NOT AVAILABLE Max NPS anode current (single crystal) (μ A): 4.68

p(e,e') p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/29
yy mm dd

Initials: CAM

Use a separate sheet for each configuration.

HMS

Configuration Name: KIN C-x504
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: _____ GeV I_{beam}: _____ μA

Raster: On Off
 Size: 2x2

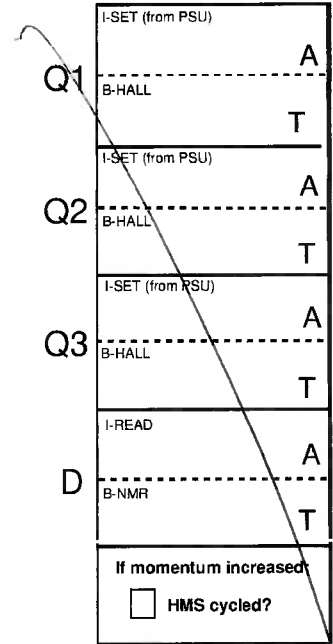
HMS
 p: +5.253 θ(TV): 16.920
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.30</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ(TV): _____ θ = **SHMS**
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current



Run Number: 2370
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
 Comments: Sparse off 3/4 on by mistake

PS1: <u>-1</u>	Start time (from RC): <u>7:32</u>	<input checked="" type="checkbox"/> Settings Verified?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
PS2: <u>-1</u>	Stop time (from RC): <u>7:33</u>	<input checked="" type="checkbox"/> HV OK?	hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok
PS3: <u>1</u>		<input checked="" type="checkbox"/> 50k OK?			<input checked="" type="checkbox"/> Junk
PS4: <u>-1</u>					
PS5: <u>-1</u>					
PS6: <u>-1</u>					

Events 101k Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μA)

Run Number: 2371
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
 Comments: 300MB/s, 100% LT?

PS1: <u>-1</u>	Start time (from RC): <u>7:34</u>	<input checked="" type="checkbox"/> Settings Verified?	hTRIG1 rate <u>1.8MHz</u>	hTRIG3 rate <u>3800</u>	hTRIG4 rate <u>2700</u>
PS2: <u>-1</u>	Stop time (from RC): <u>7:35</u>	<input type="checkbox"/> HV OK?	hTRIG5 rate <u>1590</u>	hTRIG6 rate <u>1110</u>	<input type="checkbox"/> Data ok
PS3: <u>-1</u>		<input type="checkbox"/> 50k OK?			<input type="checkbox"/> Junk
PS4: <u>-1</u>					
PS5: <u>-1</u>					
PS6: <u>0</u>					

Events 101k Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μA)

Run Number: 2372
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
 Comments: SPARSE OFF 15μA

PS1: <u>-1</u>	Start time (from RC): <u>7:37</u>	<input checked="" type="checkbox"/> Settings Verified?	hTRIG1 rate <u>1.86MHz</u>	hTRIG3 rate <u>3800</u>	hTRIG4 rate <u>2700</u>
PS2: <u>-1</u>	Stop time (from RC): <u>7:47</u>	<input checked="" type="checkbox"/> HV OK?	hTRIG5 rate <u>1590</u>	hTRIG6 rate <u>1110</u>	<input type="checkbox"/> Data ok
PS3: <u>-1</u>		<input type="checkbox"/> 50k OK?			<input type="checkbox"/> Junk
PS4: <u>-1</u>					
PS5: <u>-1</u>					
PS6: <u>2</u>					

Events 222k Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μA)

Run Number: 2373
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
 Comments: coin-sparse 30μA

PS1: <u>-1</u>	Start time (from RC): <u>07:57</u>	<input checked="" type="checkbox"/> Settings Verified?	hTRIG1 rate <u>1.43MHz</u>	hTRIG3 rate <u>3000</u>	hTRIG4 rate <u>2000</u>
PS2: <u>-1</u>	Stop time (from RC): <u>08:09</u>	<input checked="" type="checkbox"/> HV OK?	hTRIG5 rate <u>983</u>	hTRIG6 rate <u>678</u>	<input checked="" type="checkbox"/> Data ok
PS3: <u>-1</u>		<input checked="" type="checkbox"/> 50k OK?			<input type="checkbox"/> Junk
PS4: <u>-1</u>					
PS5: <u>-1</u>					
PS6: <u>0</u>					

Events 410 kHz Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μA)

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/23
yy mm dd

Initials: MD

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse

coin

Purpose:

Production

Test

Optics

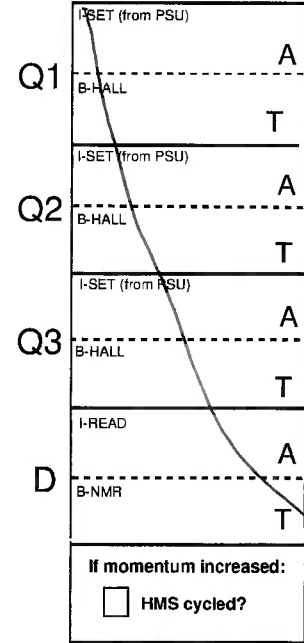
Other: _____

E_{beam}: _____ GeV

I_{beam}: _____ μ A

Raster: On Off

Size: 2x2



HMS

p: +/- _____ θ (TV): _____

From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

SHMS

θ (TV): _____ Nearest 0.005

NPS

θ = SHMS -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current _____

Run Number: <u>2374</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	Start time (from RC): <u>8:11</u> Stop time (from RC): <u>8:23</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>674 kHz</u> hTRIG5 rate: <u>271.3</u>	hTRIG3 rate: <u>1522</u> hTRIG6 rate: <u>205.4</u>	hTRIG4 rate: <u>938.6</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: coin - sparse 15 μ A

Events 132A Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 4.7 μ A

Charge 2.97 nC

Run Number: <u>2375</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	Start time (from RC): <u>8:33</u> Stop time (from RC): <u>9:39</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.4 MHz</u> hTRIG5 rate: <u>940</u>	hTRIG3 rate: <u>3000</u> hTRIG6 rate: <u>771</u>	hTRIG4 rate: <u>2256</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: coin - sparse 30 μ A

Events 2630 Active trigger LiveTime fraction (NPS Scaler Gui) 99.95% Max NPS anode current (single crystal) 5.52 μ A

Charge 98.71 nC

Run Number: <u>2376</u>	<input checked="" type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	Start time (from RC): <u>9:43</u> Stop time (from RC): <u>10:52</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.47 MHz</u> hTRIG5 rate: <u>1006</u>	hTRIG3 rate: <u>3100</u> hTRIG6 rate: <u>770</u>	hTRIG4 rate: <u>2290</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: coin sparse 30 μ A

Events 2503 Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 5.95 μ A

Charge 93.3 nC

Run Number: <u>2377</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	Start time (from RC): <u>10:54</u> Stop time (from RC): <u>11:17</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>941 kHz</u> hTRIG5 rate: <u>486.6</u>	hTRIG3 rate: <u>2 kHz</u> hTRIG6 rate: <u>352</u>	hTRIG4 rate: <u>1543</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: coin sparse 20 μ A

Events 472 Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 4.13 μ A

Charge C

$p(e, e' \gamma) p$ Run Sheet

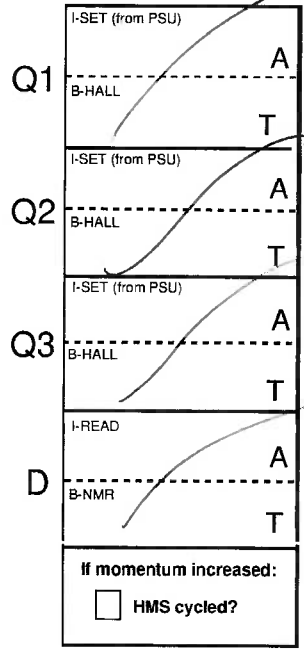
hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 3/10/29
yy mm dd

Initials: MD

Use a separate sheet for each configuration.

HMS



Configuration Name: _____

coin_sparse

coin

Purpose:

Production

Test

Optics

Other: _____

E_{beam}: _____ GeV

I_{beam}: _____ μ A

Raster: On Off

Size: 2x2

HMS

p: +/- _____ **θ (TV):** _____

From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.8</u> mm
Nomin:		Nomin:

SHMS

θ (TV): _____

Nearest 0.005

NPS

θ = SHMS _____

-16.30° Nearest 0.005

Collimator: Large Sieve

HMS: Large Sieve

NPS Sweep Current _____

Run Number: <u>2378</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>11:18</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>430 kHz</u>	hTRIG3 rate <u>1035</u>	hTRIG4 rate <u>800</u>
Comments: <u>coin_sparse</u>			Stop time (from RC): <u>11:39</u>		hTRIG5 rate <u>159.3</u>	hTRIG6 rate <u>136</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Events 156 k **Active trigger LiveTime fraction (NPS Scaler Gui)** 100% **Max NPS anode current (single crystal) (μ A)** 2.24

Charge _____ C

Run Number: <u>2379</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>11:43</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.41 MHz</u>	hTRIG3 rate <u>3140</u>	hTRIG4 rate <u>2360</u>
Comments: <u>coin_sparse</u>			Stop time (from RC): <u>12:03</u>		hTRIG5 rate <u>978</u>	hTRIG6 rate <u>756</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Events 1395 k **Active trigger LiveTime fraction (NPS Scaler Gui)** 100% **Max NPS anode current (single crystal) (μ A)** 5.32

Charge _____ C

Run Number: <u>2380</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>12:06</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.97 MHz</u>	hTRIG3 rate <u>1000</u>	hTRIG4 rate <u>806</u>
Comments: <u>coin_sparse - low</u>			Stop time (from RC): <u>12:26</u>		hTRIG5 rate <u>450</u>	hTRIG6 rate <u>342</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Events 389 k **Active trigger LiveTime fraction (NPS Scaler Gui)** 100% **Max NPS anode current (single crystal) (μ A)** 1.75

Charge _____ C

Run Number: <u>2381</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>12:29</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments: <u>coin 30 μA (Not prescaled enough)</u>			Stop time (from RC): <u>12:32</u>		hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

Events 46 k **Active trigger LiveTime fraction (NPS Scaler Gui)** _____ **Max NPS anode current (single crystal) (μ A)** _____

Charge _____ C

$p(e, e'\gamma)p$ Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 03/10/89
yy mm dd

Initials: MD

Use a separate sheet for each configuration.

HMS

Configuration Name: Threshold Change 750 → 650 MeV
coin sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam} : _____ GeV I_{beam} : _____ μA

Raster: On Off
 Size: 2x2

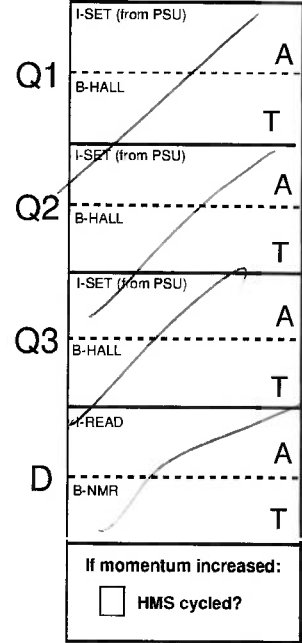
HMS
 p : +/- _____ $\theta(TV)$: _____
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS**
 $\theta(TV)$: _____ $\theta = SHMS$ _____
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current _____



Run Number: 2382
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
 _____ PS6: 2

Start time (from RC): 12:36
Stop time (from RC): 12:46

Settings Verified? **hTRIG1 rate** _____ **hTRIG3 rate** _____ **hTRIG4 rate** _____
HV OK? **hTRIG5 rate** _____ **hTRIG6 rate** _____ Data ok
50k OK? Junk

Comments: 2 photon threshold from 750 to 650 MeV
coin 30 μA

Events 1412 **Active trigger LiveTime fraction (NPS Scaler Gui)** 100% **Max NPS anode current (single crystal) (μA)** 6.04
Charge _____ C

Run Number: 2383
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
 _____ PS6: 0

Start time (from RC): _____
Stop time (from RC): _____

Settings Verified? **hTRIG1 rate** _____ **hTRIG3 rate** _____ **hTRIG4 rate** _____
HV OK? **hTRIG5 rate** _____ **hTRIG6 rate** _____ Data ok
50k OK? Junk

Comments: 2 photon threshold from 750 to 650 MeV
(per RC request, see next sheet)

Events _____ **Active trigger LiveTime fraction (NPS Scaler Gui)** _____ **Max NPS anode current (single crystal) (μA)** _____
Charge _____ C

Run Number: _____
 LH2 10cm PS1: _____
 LD2 10cm PS2: _____
 Dummy 10cm PS3: _____
 Optics#1 8cm PS4: _____
 C 0.5% r.l. PS5: _____
 _____ PS6: _____

Start time (from RC): _____
Stop time (from RC): _____

Settings Verified? **hTRIG1 rate** _____ **hTRIG3 rate** _____ **hTRIG4 rate** _____
HV OK? **hTRIG5 rate** _____ **hTRIG6 rate** _____ Data ok
50k OK? Junk

Comments: _____

Events _____ **Active trigger LiveTime fraction (NPS Scaler Gui)** _____ **Max NPS anode current (single crystal) (μA)** _____
Charge _____ C

Run Number: _____
 LH2 10cm PS1: _____
 LD2 10cm PS2: _____
 Dummy 10cm PS3: _____
 Optics#1 8cm PS4: _____
 C 0.5% r.l. PS5: _____
 _____ PS6: _____

Start time (from RC): _____
Stop time (from RC): _____

Settings Verified? **hTRIG1 rate** _____ **hTRIG3 rate** _____ **hTRIG4 rate** _____
HV OK? **hTRIG5 rate** _____ **hTRIG6 rate** _____ Data ok
50k OK? Junk

Comments: _____

Events _____ **Active trigger LiveTime fraction (NPS Scaler Gui)** _____ **Max NPS anode current (single crystal) (μA)** _____
Charge _____ C

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23 10 23
yy mm dd

Initials: MD

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
 Δ 2σ threshold 750 → 650 MeV
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.535 GeV I_{beam}: _____ μA

Raster: On Off
 Size: 2x2

HMS
 p: +/- _____ θ(TV): 16.91
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU)	A
	B-HALL	T
Q2	I-SET (from PSU)	A
	B-HALL	T
Q3	I-SET (from PSU)	A
	B-HALL	T
	I-READ	A
D	B-NMR	T
If momentum increased: <input type="checkbox"/> HMS cycled?		

SHMS **NPS**
 θ(TV): 31.75 θ = SHMS 15.45
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: 2383
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0

Start time (from RC): 12:53
 Stop time (from RC): 13:59

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 1.6 MHz hTRIG3 rate: 3075 hTRIG4 rate: 2303
 hTRIG5 rate: 1109 hTRIG6 rate: 886

Events: 9579R Active trigger LiveTime fraction (NPS Scaler Gui): 100% Max NPS anode current (single crystal): 6 (μA)
 Charge: 76.4 nC

Comments: New 2σ-th at 650 MeV started at 30 μA
Test Max current on LH₂: 35 μA at 13:05
with Trigs = LH₂

Run Number: 2384
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0

Start time (from RC): 14:05
 Stop time (from RC): 15:06

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 2.1 MHz hTRIG3 rate: 3901 hTRIG4 rate: 2753
 hTRIG5 rate: 1833 hTRIG6 rate: 1371

Events: 4015R Active trigger LiveTime fraction (NPS Scaler Gui): 99.87% Max NPS anode current (single crystal): 5.17 (μA)
 Charge: 41.4 nC

Comments: LD₂ coin-sparse 15 μA

Run Number: 2385
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0

Start time (from RC): 15:07
 Stop time (from RC): 16:10

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 2.1 MHz hTRIG3 rate: 3346 hTRIG4 rate: 2773
 hTRIG5 rate: 1851 hTRIG6 rate: 1313

Events: 4.8M Active trigger LiveTime fraction (NPS Scaler Gui): 99.84% Max NPS anode current (single crystal): 5.37 (μA)
 Charge: 49.4 nC

Comments: LD₂ coin-sparse 15 μA

Run Number: 2384
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0

Start time (from RC): 16:12
 Stop time (from RC): 17:19

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 2.1 MHz hTRIG3 rate: 3.9k hTRIG4 rate: 2.8k
 hTRIG5 rate: 1.9k hTRIG6 rate: 1.33k

Events: 5.0M Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% Max NPS anode current (single crystal): 4.7 (μA)
 Charge: 51.8 nC

Comments: LD₂ coin-sparse 15 μA

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/21
yy mm dd

Initials: ERC

Use a separate sheet for each configuration.

HMS

Configuration Name: King C x 50-4
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

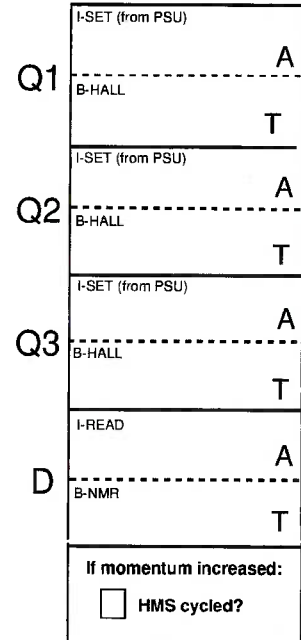
E_{beam}: 10,538 GeV I_{beam}: 15 μ A

Raster: On Off
 Size: 2x2

HMS
 p: +0.5253 θ (TV): 16.91
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.70</u> mm		<u>0.285</u> mm
Nomin: <u>1.7</u>		Nomin: <u>0.3</u>
3H07C	X	Y
<u>0.19</u> mm		<u>0.28</u> mm
Nomin: <u>0.7</u>		Nomin: <u>0.3</u>



SHMS **NPS**
 θ (TV): 31.75 θ = SHMS 15.45
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: 2387
 LH2 10cm PS1: -1 Start time (from RC): 17:21
 LD2 10cm PS2: 7
 Dummy 10cm PS3: 7 Stop time (from RC): 18:31
 Optics#1 8cm PS4: 7
 C 0.5% r.l.i. PS5: 7
 PS6: 0
 Comments: LD2, coin_sparse, 15 μ A
 Settings Verified? hTRIG1 rate: 2.0M hTRIG3 rate: 3.88k hTRIG4 rate: 2.72k
 HV OK? hTRIG5 rate: 1.98k hTRIG6 rate: 1.30k
 50k OK? Data ok Junk
 Events 4.5M Active trigger LiveTime fraction (NPS Scaler Gui) 99.96% Max NPS anode current (single crystal) 5.24 (μ A)
 Charge 44.5nC

Run Number: 2388
 LH2 10cm PS1: -1 Start time (from RC): 18:36
 LD2 10cm PS2: 2
 Dummy 10cm PS3: 2 Stop time (from RC): 19:00
 Optics#1 8cm PS4: -1
 C 0.5% r.l.i. PS5: -1
 PS6: 0
 Comments: LD2, coin_sparse, 10 μ A
 Settings Verified? hTRIG1 rate: 1.5M hTRIG3 rate: 2.5k hTRIG4 rate: 1.8k
 HV OK? hTRIG5 rate: 848 hTRIG6 rate: 626
 50k OK? Data ok Junk
 Events 912k Active trigger LiveTime fraction (NPS Scaler Gui) 99.96% Max NPS anode current (single crystal) 3.5 (μ A)
 Charge 12.8nC

Run Number: 2389
 LH2 10cm PS1: -1 Start time (from RC): 19:03
 LD2 10cm PS2: 7
 Dummy 10cm PS3: 7 Stop time (from RC): 19:41
 Optics#1 8cm PS4: 7
 C 0.5% r.l.i. PS5: 7
 PS6: 0
 Comments: LD2, coin_sparse, 5 μ A
 Settings Verified? hTRIG1 rate: 713k hTRIG3 rate: 1.3k hTRIG4 rate: 939
 HV OK? hTRIG5 rate: 261 hTRIG6 rate: 194
 50k OK? Data ok Junk
 Events 418k Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 1.87 (μ A)
 Charge 9.3nC

Run Number: 2390
 LH2 10cm PS1: -1 Start time (from RC): 19:44
 LD2 10cm PS2: 7
 Dummy 10cm PS3: 2 Stop time (from RC): 20:10
 Optics#1 8cm PS4: 7
 C 0.5% r.l.i. PS5: 7
 PS6: 7
 Comments: LD2, coin_sparse, 15 μ A
 Settings Verified? hTRIG1 rate: 2.1M hTRIG3 rate: 3.9k hTRIG4 rate: 2.8k
 HV OK? hTRIG5 rate: 1.9k hTRIG6 rate: 1.3k
 50k OK? Data ok Junk
 Events 1.7M Active trigger LiveTime fraction (NPS Scaler Gui) N/A Max NPS anode current (single crystal) 5.14 (μ A)
 Charge 17.6nC

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/29
yy mm dd

Initials: ERC

Use a separate sheet for each configuration.

HMS

Configuration Name: KinC x50-4
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.339 GeV I_{beam}: 15 μ A

Raster: On Off
 Size: 222

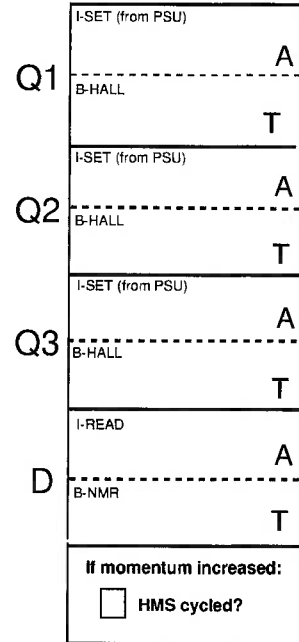
HMS
 p: +195.253 θ (TV): 16.91
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	mm	mm
NomIn:		
3H07C	X	Y
	mm	mm
NomIn:		

SHMS **NPS**
 θ (TV): 31.75 θ = SHMS 15.45
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468



Run Number: <u>2391</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	Start time (from RC): <u>20:16</u> Stop time (from RC): <u>20:39</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.3M</u> hTRIG5 rate: <u>1.1k</u>	hTRIG3 rate: <u>3.8k</u> hTRIG6 rate: <u>850</u>	hTRIG4 rate: <u>2.7k</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: LiveTime 100% DATA RATE \approx 100 Mbytes/s LD2, COIN-SPARSE-LOW, 15 μ A
 Events 683k Active trigger LiveTime fraction (NPS Scaler Gui) 99.98 Max NPS anode current (single crystal) 5.12 (μ A)
 Charge 14.1 mC

Run Number: <u>2392</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 2	Start time (from RC): <u>20:43</u> Stop time (from RC): <u>20:56</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.9M</u> hTRIG5 rate: <u>1.6k</u>	hTRIG3 rate: <u>3.9k</u> hTRIG6 rate: <u>1.2k</u>	hTRIG4 rate: <u>2.7k</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: LD2, COIN (SPARSE OFF), 15 μ A
 Events 836k Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 5.3 (μ A)
 Charge 9.73 mC

Run Number: <u>2393</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	Start time (from RC): <u>21:09</u> Stop time (from RC): <u>21:21</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate: <u>763k</u> hTRIG5 rate: <u>309</u>	hTRIG3 rate: <u>1.5k</u> hTRIG6 rate: <u>228</u>	hTRIG4 rate: <u>1.1k</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Dummy, coin-sparse, 15 μ A
 Events 139k Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 4.5 (μ A)
 Charge 8.7 mC

Run Number: <u>2394</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	Start time (from RC): <u>21:23</u> Stop time (from RC): <u>21:37</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.6M</u> hTRIG5 rate: <u>1.1k</u>	hTRIG3 rate: <u>3.0k</u> hTRIG6 rate: <u>785</u>	hTRIG4 rate: <u>2.7k</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Dummy, coin-sparse, 30 μ A
 Events 416k Active trigger LiveTime fraction (NPS Scaler Gui) 99.96 Max NPS anode current (single crystal) 8.58 (μ A)
 Charge 15.5 mC

p(e,e' γ)p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/29
yy mm dd

Initials: ERIC

Use a separate sheet for each configuration.

HMS

Configuration Name: kin C - X50 - 4

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.539 GeV I_{beam}: 30 μ A

Raster: On Off
Size: 2x2

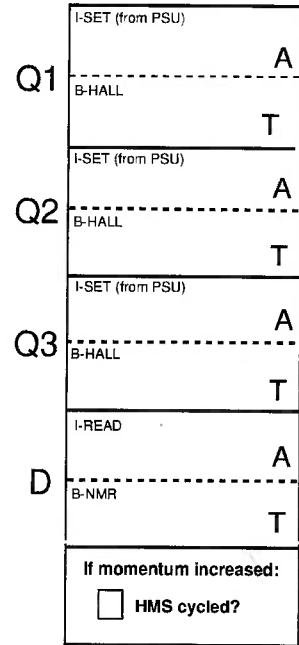
HMS
p: +0.5253 θ (TV): 14.91
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.71</u> mm		<u>3.19</u> mm
Nomin:	<u>1.7</u>	Nomin: <u>3</u>
3H07C	X	Y
<u>1.68</u> mm		<u>1.30</u> mm
Nomin:	<u>0.7</u>	Nomin: <u>3</u>

SHMS **NPS**
 θ (TV): 31.75 θ = SHMS 16.45
 Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 406



Run Number: 2395
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 7
 Optics#1 8cm PS4: 7
 C 0.5% r.l.i PS5: 7
 _____ PS6: 0

Start time (from RC): 21:47 Settings Verified?
 Stop time (from RC): 21:53 HV OK?
 50k OK?

hTRIG1 rate: 1.0M hTRIG3 rate: 3.2K hTRIG4 rate: 2.3K
 hTRIG5 rate: 745 hTRIG6 rate: 570

Data ok Junk

Comments: LH2, coin-sparse-low, 30 μ A (test)

Events _____ Charge _____ C Active trigger LiveTime fraction (NPS Scaler Gui) 99.97 Max NPS anode current (single crystal) 5.47 (μ A)

Run Number: 2396
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 7
 Optics#1 8cm PS4: -1
 C 0.5% r.l.i PS5: -1
 _____ PS6: 0

Start time (from RC): 21:57 Settings Verified?
 Stop time (from RC): 23:27 HV OK?
 50k OK?

hTRIG1 rate: 1.8M hTRIG3 rate: 3.6K hTRIG4 rate: 2.6K
 hTRIG5 rate: 1.9K hTRIG6 rate: 1.1K

Data ok Junk

Comments: LH2, coin-sparse, 35 μ A

Events 3.63M Charge 104.0mC Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 6.6 (μ A)

Run Number: 2397
 LH2 10cm PS1: -1
 LD2 10cm PS2: 7
 Dummy 10cm PS3: 7
 Optics#1 8cm PS4: 7
 C 0.5% r.l.i PS5: 7
 _____ PS6: 0

Start time (from RC): 23:31 Settings Verified?
 Stop time (from RC): 23:38 HV OK?
 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
 hTRIG5 rate: _____ hTRIG6 rate: _____

Data ok Junk

Comments: LH2, coin-sparse-low, 35 μ A test

Events _____ Charge _____ C Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 6.6 (μ A)

Run Number: 2398
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.i PS5: -1
 _____ PS6: 0

Start time (from RC): 23:41 Settings Verified?
 Stop time (from RC): 00:42 HV OK?
 50k OK?

hTRIG1 rate: 1.8M hTRIG3 rate: 5.6K hTRIG4 rate: 2.6K
 hTRIG5 rate: 1.5K hTRIG6 rate: 1.1K

Data ok Junk

Comments: LH2, coin-sparse, 35 μ A

Events 3.260K Charge _____ C Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) 6.92 (μ A)

p(e,e') p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/30
yy mm dd

Initials: CAM

Use a separate sheet for each configuration.

Configuration Name: KinC_x50_4
 coin_sparse
 coin Varies

E_{beam}: 10.539 GeV I_{beam}: Varies μ A

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2

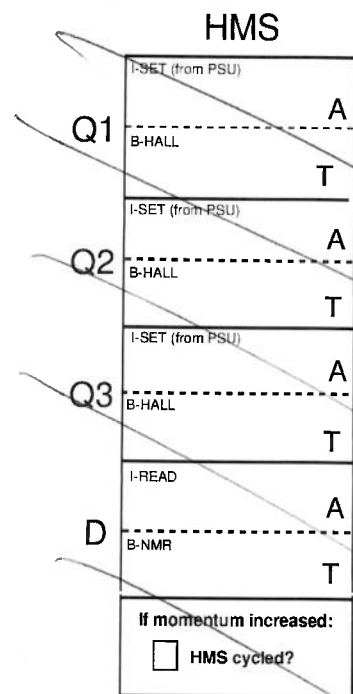
HMS
 p: +05.253 θ (TV): 16.920
From GUI Nearest 0.005

SHMS **NPS**
 θ (TV): 31.745 θ = SHMS 15.445
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 467.93

Beam position and angle on target:

3H07A	X	Y
<u>1.68</u> mm		<u>0.29</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.20</u> mm		<u>0.68</u> mm
Nomin:		Nomin:



Run Number: 2399
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l

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

Start time (from RC): 00:45
 Stop time (from RC): _____

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 1.10 MHz hTRIG3 rate: 2000 hTRIG4 rate: 1500
 hTRIG5 rate: 500 hTRIG6 rate: 420

Data ok
 Junk

Comments: COIN SPARSE 20 μ A

Events 426 Active trigger LiveTime fraction (NPS Scaler Gui) 99.97 Max NPS anode current (single crystal) 4.38 μ A
 Charge 18.87 C

Run Number: 2400
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l

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

Start time (from RC): 1:06
 Stop time (from RC): _____

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 472 K hTRIG3 rate: 1000 hTRIG4 rate: 780
 hTRIG5 rate: 160 hTRIG6 rate: 146

Data ok
 Junk

Comments: COIN SPARSE 10 μ A

Events 174 K Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) 4.83 μ A
 Charge 11.10 C

Run Number: 2401
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l

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

Start time (from RC): 1:30
 Stop time (from RC): 1:51

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 1.8 MHz hTRIG3 rate: 3481 hTRIG4 rate: 2663
 hTRIG5 rate: 1450 hTRIG6 rate: 1160

Data ok
 Junk

Comments: HMS 3/4 Run 35 μ A.

Events 1888 K Active trigger LiveTime fraction (NPS Scaler Gui) NOT AVAIL Max NPS anode current (single crystal) 5.99 μ A
 Charge 34.17 C

Run Number: 2402
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 2

Start time (from RC): 1:53
 Stop time (from RC): 2:05

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 1.62 MHz hTRIG3 rate: 3600 hTRIG4 rate: 2700
 hTRIG5 rate: 1400 hTRIG6 rate: 1000

Data ok
 Junk

Comments: SPARSIFICATION OFF 35 μ A

Events 190 K Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) 6.92 μ A
 Charge 18.43 C

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/30
yy mm dd

Initials: CAM

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
kinC-x50-4
 coin_sparse
 coin VARIES

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.539 GeV I_{beam}: VARIES μ A

Raster: On Off
 Size: 2x2

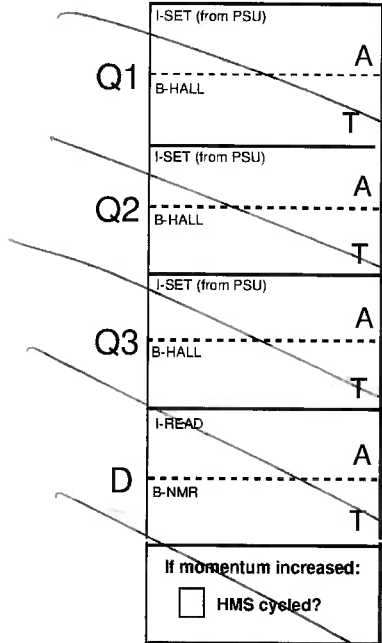
HMS
 p: +0.5253 θ (TV): 16.920
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.68</u>	mm	<u>0.27</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.31</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 31.745 θ = SHMS 15.445
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 467.933



Run Number: 2403
 LH2 10cm PS1: -1 Start time (from RC): 2:09
 LD2 10cm PS2: -1 Stop time (from RC): 2:30
 Dummy 10cm PS3: -1 Settings Verified?
 Optics#1 8cm PS4: -1 HV OK?
 C 0.5% r.l.i. PS5: -1 50k OK?
 PS6: 0
 Comments: COIN SPARSE LOW 35 μ A
 Events 768k Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ μ A
 Charge 34.92c

Run Number: 2404
 LH2 10cm PS1: -1 Start time (from RC): 2:39
 LD2 10cm PS2: -1 Stop time (from RC): 3:40
 Dummy 10cm PS3: -1 Settings Verified?
 Optics#1 8cm PS4: -1 HV OK?
 C 0.5% r.l.i. PS5: -1 50k OK?
 PS6: 0
 Comments: COIN SPARSE 15 μ A ^{20 μ A}
 Events 6437k Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) 6.54 μ A
 Charge 58.10c

Run Number: 2405
 LH2 10cm PS1: -1 Start time (from RC): 3:41
 LD2 10cm PS2: -1 Stop time (from RC): 4:42
 Dummy 10cm PS3: -1 Settings Verified?
 Optics#1 8cm PS4: -1 HV OK?
 C 0.5% r.l.i. PS5: -1 50k OK?
 PS6: 0
 Comments: COIN SPARSE 20 μ A
 Events 5441k Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) 6.79 μ A
 Charge _____ c

Run Number: 2406
 LH2 10cm PS1: -1 Start time (from RC): 4:43
 LD2 10cm PS2: -1 Stop time (from RC): 5:03
 Dummy 10cm PS3: -1 Settings Verified?
 Optics#1 8cm PS4: -1 HV OK?
 C 0.5% r.l.i. PS5: -1 50k OK?
 PS6: 0
 Comments: COIN SPARSE 20 μ A
 Events 671k Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) 0.84 μ A
 Charge 2.58c

p(e,e') p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23 10 30
yy mm dd

Initials: CAM

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Kim C. 50.4
coin_sparse VARIES
coin

E_{beam}: 10.539 GeV I_{beam}: VARIES μ A

HMS
p: +05.253 θ (TV): 16.920
From GUI Nearest 0.005

SHMS θ (TV): 31.745 Nearest 0.005
NPS θ = SHMS 15.445
-16.30° Nearest 0.005

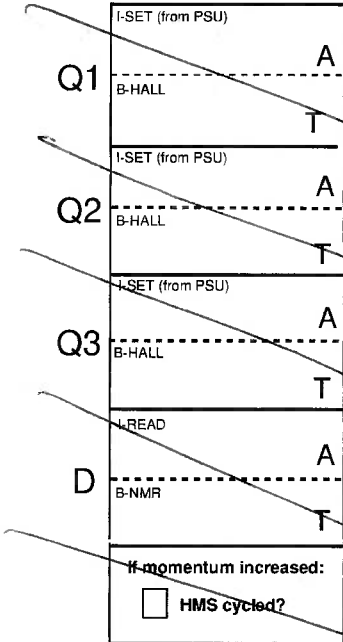
Collimator: HMS: Large Sieve NPS Sweep Current 462.93

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: _____

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.27</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.27</u> mm
Nomin:		Nomin:



Run Number: 2407
Comments: COIN SPARSE
PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: 0 PS6: 0
Start time (from RC): 5:07 Stop time (from RC): NA
Settings Verified? HV OK? 50k OK?
hTRIG1 rate: 720 MHz hTRIG3 rate: 1300 hTRIG4 rate: 900
hTRIG5 rate: 200 hTRIG6 rate: 200
Data ok Junk
Events NA Charge NA C
Active trigger LiveTime fraction (NPS Scaler Gui): 100 Max NPS anode current (single crystal): 1.58 μ A

Run Number: 2408
Comments: COIN SPARSE LOW
PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: 0 PS6: 0
Start time (from RC): 5:32 Stop time (from RC): 5:54
Settings Verified? HV OK? 50k OK?
hTRIG1 rate: 1.3 MHz hTRIG3 rate: 3900 hTRIG4 rate: 1800
hTRIG5 rate: 1100 hTRIG6 rate: 800
Data ok Junk
Events 918k Charge 9.89 C
Active trigger LiveTime fraction (NPS Scaler Gui): 99.89 Max NPS anode current (single crystal): 5.20 μ A

Run Number: 2409
Comments: COIN SPARSE OFF
PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: 2 PS6: 2
Start time (from RC): 5:56 Stop time (from RC): 6:07
Settings Verified? HV OK? 50k OK?
hTRIG1 rate: 1.85 MHz hTRIG3 rate: 3700 hTRIG4 rate: 2600
hTRIG5 rate: 1500 hTRIG6 rate: 1100
Data ok Junk
Events 216k Charge 7.69 C
Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal): _____ μ A

Run Number: 2410
Comments: JUNK
PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____
Start time (from RC): _____ Stop time (from RC): _____
Settings Verified? HV OK? 50k OK?
hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____
hTRIG5 rate: _____ hTRIG6 rate: _____
Data ok Junk
Events _____ Charge _____ C
Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal): _____ μ A

p(e,e'γ) p Run Sheet

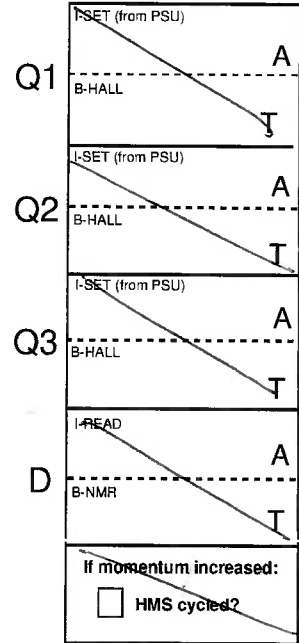
hallcweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/30
yy mm dd

Initials: CAM

Use a separate sheet for each configuration.

HMS



Configuration Name: Kin C x 50.4
 coin_sparse
 coin VARIABLES

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 0.539 GeV **I_{beam}:** VARIABLES μA

Raster: On Off
Size: 2x2

HMS
p: +0.5.253 **θ(TV):** 16.920
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS**
θ(TV): 31.745 **θ = SHMS** 15.445
Nearest 0.005 Nearest 0.005

Collimator: **HMS:** Large Sieve **NPS Sweep Current** 467.93

Run Number: <u>2411</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>6:12</u> Stop time (from RC): <u>6:26</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.36MHz</u>	hTRIG3 rate <u>5000</u>	hTRIG4 rate <u>3500</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: HMS 3/4 HIGH DATA RATE 20μA I140MB/S

Events <u>180k</u> Charge <u>13.71C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>NOT AVAIL</u>	Max NPS anode current (single crystal) (μA) <u>6.79</u>
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Run Number: <u>2412</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>6:27</u> Stop time (from RC): <u>6:38</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.51</u> <u>2.36MHz</u>	hTRIG3 rate <u>2500</u>	hTRIG4 rate <u>1800</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: HMS 3/4 COIN SPARSE 40MB/S 10μA

Events <u>689k</u> Charge <u>4.84C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>NOT AVAIL</u>	Max NPS anode current (single crystal) (μA) <u>3.33</u>
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Run Number: <u>2413</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>6:50</u> Stop time (from RC): <u>7:17</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.6MHz</u>	hTRIG3 rate <u>3000</u>	hTRIG4 rate <u>2000</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: COIN SPARSE 30μA

Events <u>537k</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) (μA) <u>4.49</u>
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Run Number: <u>2414</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>787k</u>	hTRIG3 rate <u>1500</u>	hTRIG4 rate <u>1000</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: COIN SPARSE 15μA

Events _____ Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) _____	Max NPS anode current (single crystal) (μA) _____
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p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/10/30
yy mm dd

Initials: CAM

Use a separate sheet for each configuration.

HMS

Configuration Name: Kin C-850-4
 coin_sparse
 coin VARIES

HWP change
 Purpose:
 Production IN → OUT
 Test
 Optics
 Other:

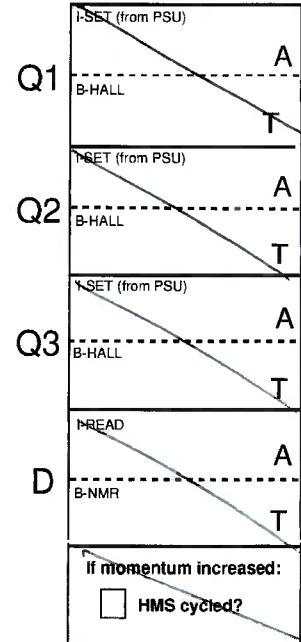
E_{beam}: 10.539 GeV I_{beam}: VARIES μA

Raster: On Off
 Size: 2x2

HMS
 p: +10 5.253 θ(TV): 16.920
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.27</u> mm
Nomin:		Nomin:



SHMS θ(TV): 31.745 Nearest 0.005
NPS θ = SHMS 15.445
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Run Number: 2415
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.
 Comments: COIN SPARSE 35 μA

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
 Start time (from RC): 7:41 Stop time (from RC): 8:40

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.78 MHz hTRIG3 rate: 3500 hTRIG4 rate: 2600
 hTRIG5 rate: 1500 hTRIG6 rate: 1000
 Data ok Junk

Events 3117R Active trigger LiveTime fraction (NPS Scaler Gui) 99.83% Max NPS anode current (single crystal) 6 (μA)
 Charge 91.77 nC

Run Number: 2416
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.
 Comments: COIN SPARSE 20 μA

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
 Start time (from RC): 8:42 Stop time (from RC): 9:16

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1 MHz hTRIG3 rate: 2017 hTRIG4 rate: 1512
 hTRIG5 rate: 502 hTRIG6 rate: 400
 Data ok Junk

Events 3117R Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 3.79 (μA)
 Charge 645 nC

Run Number: 2417
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.
 Comments: HWP from IN to OUT
COIN SPARSE 35 μA

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
 Start time (from RC): 9:25 Stop time (from RC): 10:29

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.75 MHz hTRIG3 rate: 3583 hTRIG4 rate: 2658
 hTRIG5 rate: 1473 hTRIG6 rate: 1109
 Data ok Junk

Events 4009R Active trigger LiveTime fraction (NPS Scaler Gui) 99.96% Max NPS anode current (single crystal) 7 (μA)
 Charge 183 nC

Run Number: 2418
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.
 Comments: COIN SPARSE 10 μA

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
 Start time (from RC): 10:31 Stop time (from RC):

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 460 kHz hTRIG3 rate: 1013 hTRIG4 rate: 785
 hTRIG5 rate: 159 hTRIG6 rate: 137
 Data ok Junk

Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% Max NPS anode current (single crystal) 2.35 (μA)
 Charge _____ C

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23 / 10 / 30
 yy mm dd

Initials: MD

Use a separate sheet for each configuration.

Kinematics: KinC_x 50.4

E_{beam}: 10.533 GeV

Raster: On Off
Size: 2x2

Purpose:
 Production
 Test
 Optics
 Other: _____

HMS, field, current OK?
 yes no

Beam position and angle on target:

HMS
p: +/- _____ **θ (TV):** 16.91
From GUI Nearest 0.005

SHMS
 θ (TV): 31.75
Nearest 0.005

NPS
 θ = SHMS 15.45
-16.30° Nearest 0.005

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 468 Amp NPS Upstream Corr. I = 0 Amp

Run Number: <u>2419</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>10:54</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.87 MHz</u>	hTRIG3 rate <u>3578</u>	hTRIG4 rate <u>2670</u>
I_{beam}: <u>35</u> μ A			Stop time (from RC): <u>11:21</u>		hTRIG5 rate <u>1444</u>	hTRIG6 rate <u>1092</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments:		Events <u>2982</u> Charge <u>411 nC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>7.05</u> (μ A)		

Run Number: <u>2420</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>2</u>	Start time (from RC): <u>11:24</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.17 MHz</u>	hTRIG3 rate <u>3551</u>	hTRIG4 rate <u>2652</u>
I_{beam}: <u>35</u> μ A			Stop time (from RC): <u>11:39</u>		hTRIG5 rate <u>893</u>	hTRIG6 rate <u>670</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
coin_sparse <input type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input checked="" type="checkbox"/>	Comments: <u>25 r/b/s => may try psc=1 weird w/ NPS data</u>		Events <u>1508</u> Charge <u>204 nC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>6.39</u> (μ A)		

Run Number: <u>2421</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>1</u>	Start time (from RC): <u>11:48</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.10 MHz</u>	hTRIG3 rate <u>3603</u>	hTRIG4 rate <u>2691</u>
I_{beam}: <u>35</u> μ A			Stop time (from RC): <u>12:09</u>		hTRIG5 rate <u>919</u>	hTRIG6 rate <u>675</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
coin_sparse <input type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input checked="" type="checkbox"/>	Comments:		Events <u>4008</u> Charge <u>361 nC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>7.43</u> (μ A)		

Run Number: <u>2422</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>2</u>	Start time (from RC): <u>12:14</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.55 MHz</u>	hTRIG3 rate <u>3533</u>	hTRIG4 rate <u>2713</u>
I_{beam}: <u>35</u> μ A			Stop time (from RC): <u>12:28</u>		hTRIG5 rate <u>1343</u>	hTRIG6 rate <u>1000</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
coin_sparse <input type="checkbox"/> coin <input checked="" type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments:		Events <u>2448</u> Charge <u>24.48 nC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.97</u>	Max NPS anode current (single crystal) <u>6.63</u> (μ A)		

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23 / 10 / 30
 yy mm dd

Initials: MD

Use a separate sheet for each configuration.

Kinematics: KinC_x50-4

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

E_{beam}: 10.54 GeV

Raster: On Off
 Size: 2x2

Beam position and angle on target:

HMS
 p: +/- _____ θ (TV): _____
From GUI Nearest 0.005

SHMS
 θ (TV): _____
Nearest 0.005

NPS
 θ = **SHMS**
-16.30° Nearest 0.005

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 468 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number: <u>2423</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>12:39</u> Stop time (from RC): <u>13:39</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>2 MHz</u> hTRIG5 rate: <u>1839</u>	hTRIG3 rate: <u>3847</u> hTRIG6 rate: <u>1284</u>	hTRIG4 rate: <u>2650</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>15</u> μ A	Comments:		Events: <u>3913</u> Charge: <u>4.7 nC</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>99.92%</u>	Max NPS anode current (single crystal): <u>4.42</u> (μ A)		
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>							

Run Number: <u>2424</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>13:41</u> Stop time (from RC): <u>14:03</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>2 MHz</u> hTRIG5 rate: <u>1835</u>	hTRIG3 rate: <u>3894</u> hTRIG6 rate: <u>1293</u>	hTRIG4 rate: <u>2753</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>15</u> μ A	Comments: <u>Run stopped per MCC request: Beam needed quick re-tuning.</u>		Events: <u>972</u> Charge: <u>10.3 nC</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>99.76%</u>	Max NPS anode current (single crystal): <u>5.27</u> (μ A)		
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>							

Run Number: <u>2425</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>14:10</u> Stop time (from RC): <u>15:11</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>2 MHz</u> hTRIG5 rate: <u>1823</u>	hTRIG3 rate: <u>3850</u> hTRIG6 rate: <u>1260</u>	hTRIG4 rate: <u>2700</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>15</u> μ A	Comments:		Events: <u>4451</u> Charge: <u>46.9 nC</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>99.90%</u>	Max NPS anode current (single crystal): <u>4.94</u> (μ A)		
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>							

Run Number: <u>2426</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>15:13</u> Stop time (from RC): <u>16:17</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>2 MHz</u> hTRIG5 rate: <u>1806</u>	hTRIG3 rate: <u>3868</u> hTRIG6 rate: <u>1305</u>	hTRIG4 rate: <u>2726</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>15</u> μ A	Comments:		Events: _____ Charge: <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>99.91%</u>	Max NPS anode current (single crystal): <u>5.22</u> (μ A)		
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>							

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: / /
yy mm dd

Initials:

Use a separate sheet for each configuration.

Kinematics: KinC_x

Purpose:

- Production
- Test
- Optics
- Other:

HMS, field,
current OK?

yes no

E_{beam}: GeV

Raster: On Off
Size: 2x2

Beam position and angle
on target:

HMS
p: +/- θ (TV):
From GUI Nearest 0.005

SHMS
 θ (TV):
Nearest 0.005

NPS
 $\theta =$ SHMS
-16.30° Nearest 0.005

3H07A	X	Y
	mm	mm
Nomin:		Nomin:
3H07C	X	Y
	mm	mm
Nomin:		Nomin:

Collimator: HMS: Large Sieve NPS Sweep Magnet I = Amp NPS Upstream Corr. I = Amp

Run Number: <u>2927</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>16:18</u> Stop time (from RC): <u>16:39</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.31x06</u>	hTRIG3 rate <u>2232</u>	hTRIG4 rate <u>1577.0</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>10</u> μ A	Comments:			Events <u>795</u> K Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.9</u>	Max NPS anode current (single crystal) <u>3.69</u> (μ A)		

Run Number: <u>2928</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>16:40</u> Stop time (from RC): <u>16:59</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6.79x05</u>	hTRIG3 rate <u>1217.3</u>	hTRIG4 rate <u>878.7</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>5</u> μ A	Comments:			Events <u>210</u> K Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>5.09</u> (μ A)		

Run Number: <u>2929</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>2</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>17:09</u> Stop time (from RC): <u>17:29</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.06x06</u>	hTRIG3 rate <u>3777.7</u>	hTRIG4 rate <u>2697.1</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u> </u> μ A	Comments:			Events <u>1470</u> K Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>5.09</u> (μ A)		

Run Number: <u>2930</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>2</u>	Start time (from RC): <u>17:27</u> Stop time (from RC): <u>17:30</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
I _{beam} : <u> </u> μ A	Comments: <u>Junk</u>			Events <u> </u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u> </u> (μ A)		

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: / /
 yy / mm / dd

Initials:

Use a separate sheet for each configuration.

Kinematics: KinC_x

Purpose:

- Production
- Test
- Optics
- Other:

HMS, field,
current OK?

yes no

E_{beam}: GeV

Raster: On Off
 Size:

Beam position and angle
on target:

HMS
 p: +/- θ (TV):
From GUI Nearest 0.005

SHMS
 θ (TV):
Nearest 0.005

NPS
 $\theta =$ SHMS
-16.30° Nearest 0.005

3H07A	X	Y
	mm	mm
Nomin:		Nomin:
3H07C	X	Y
	mm	mm
Nomin:		Nomin:

Collimator: HMS: Large Sieve NPS Sweep Magnet I = Amp NPS Upstream Corr. I = Amp NPS Upstream Corr. I = Amp

Run Number: <u>2431</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>17:30</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1:68 x 6</u>	hTRIG3 rate <u>1304.0</u>	hTRIG4 rate <u>922.2</u>	
I _{beam} : <u>5</u> μ A	Comments:		Stop time (from RC): <u>17:53</u>	Events <u>205K</u> Charge <u> </u> C	Active trigger LiveTime fraction (NPS Scaler Gui)	hTRIG5 rate <u>495</u>	hTRIG6 rate <u>375.6</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
coin_sparse <input type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input checked="" type="checkbox"/>								Max NPS anode current (single crystal) <u>1.59</u> (μ A)

Run Number: <u>2432</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>2</u>	Start time (from RC): <u>17:55</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1:89 x 6</u>	hTRIG3 rate <u>3892.2</u>	hTRIG4 rate <u>2880.2</u>	
I _{beam} : <u>15</u> μ A	Comments:		Stop time (from RC): <u>18:07</u>	Events <u>252K</u> Charge <u> </u> C	Active trigger LiveTime fraction (NPS Scaler Gui)	hTRIG5 rate <u>1773.6</u>	hTRIG6 rate <u>125.6</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
coin_sparse <input type="checkbox"/> coin <input checked="" type="checkbox"/> coin_sparse_low <input type="checkbox"/>								Max NPS anode current (single crystal) <u>5.05</u> (μ A)

Run Number: <u>2433</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>18:15</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1:61 x 06</u>	hTRIG3 rate <u>3087</u>	hTRIG4 rate <u>1911.9</u>	
I _{beam} : <u>30</u> μ A	Comments:		Stop time (from RC): <u>18:28</u>	Events <u>288K</u> Charge <u> </u> C	Active trigger LiveTime fraction (NPS Scaler Gui)	hTRIG5 rate <u>1095</u>	hTRIG6 rate <u>774.6</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>								Max NPS anode current (single crystal) <u>8.41</u> (μ A)

Run Number: <u>2434</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>18:28</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>7:63 x 05</u>	hTRIG3 rate <u>1522.8</u>	hTRIG4 rate <u>1097.0</u>	
I _{beam} : <u>15</u> μ A	Comments:		Stop time (from RC): <u> </u>	Events <u> </u> Charge <u> </u> C	Active trigger LiveTime fraction (NPS Scaler Gui)	hTRIG5 rate <u>309.1</u>	hTRIG6 rate <u>227.8</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
coin_sparse <input checked="" type="checkbox"/> oin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>								Max NPS anode current (single crystal) <u> </u> (μ A)

$p(e, e'\gamma)p$ Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: / /
yy mm dd

Initials:

Use a separate sheet for each configuration.

Kinematics: KinC_x

Purpose:

- Production
- Test
- Optics
- Other:

HMS, field, current OK?

yes no

E_{beam} : GeV

Raster: On Off
Size:

Beam position and angle on target:

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

SHMS
 $\theta(TV)$:
Nearest 0.005

NPS
 $\theta = SHMS$
 -16.30° Nearest 0.005

3H07A	X	Y
	mm	mm
Nomin:		Nomin:
3H07C	X	Y
	mm	mm
Nomin:		Nomin:

Collimator: HMS: Large Sieve NPS Sweep Magnet $I =$ Amp NPS Upstream Corr. $I =$ Amp NPS Upstream Corr. $I =$ Amp

Run Number: 2435	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): 18:48 Stop time (from RC): 19:59	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 1.8×10^6 hTRIG5 rate 1992.2	hTRIG3 rate 3538.7 hTRIG6 rate 1098.7	hTRIG4 rate 2690.7 <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I_{beam} : 35 μA	Comments:		Events <u> </u> Charge <u> </u> C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) 6.89 (μA)		

Run Number: 2436	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): 19:55 Stop time (from RC): 20:59	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 1.7×10^6 hTRIG5 rate 1917.7	hTRIG3 rate 3502.9 hTRIG6 rate 1071.9	hTRIG4 rate 2625.9 <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I_{beam} : 35 μA	Comments:		Events <u>3672K</u> Charge <u> </u> C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) 6.68 (μA)		

Run Number: 2437	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): 20:55 Stop time (from RC): 21:15	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 1.05×10^6 hTRIG5 rate 531.9	hTRIG3 rate 2058.1 hTRIG6 rate 408.1	hTRIG4 rate 1520.9 <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I_{beam} : 20 μA	Comments:		Events <u> </u> Charge <u> </u> C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) 3.62 (μA)		

Run Number: 2438	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): 21:16 Stop time (from RC): 21:39	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate hTRIG5 rate	hTRIG3 rate hTRIG6 rate	hTRIG4 rate <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I_{beam} : 10 μA	Comments:		Events <u> </u> Charge <u> </u> C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)		

$p(e, e'\gamma) p$ Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23 / 10 / 31
yy mm dd

Initials: BD

Use a separate sheet for each configuration.

Kinematics: KinC_x

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field,
current OK?

yes no

E_{beam} : _____ GeV

Raster: On Off
 Size: _____

Beam position and angle on target:

HMS
 p : +/- _____ $\theta(TV)$: _____
From GUI Nearest 0.005

SHMS
 $\theta(TV)$: _____
Nearest 0.005

NPS
 $\theta = SHMS$
-16.30° Nearest 0.005

3H07A	X	Y
	mm	mm
Nomin:		Nomin:
3H07C	X	Y
	mm	mm
Nomin:		Nomin:

Collimator: HMS: Large Sieve NPS Sweep Magnet NPS Upstream Corr. NPS Upstream Corr.
 I = _____ Amp I = _____ Amp I = _____ Amp

Run Number: <u>2439</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>21:39</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
I_{beam} : <u>35 μA</u>			Stop time (from RC): <u>22:05</u>		hTRIG5 rate	hTRIG6 rate	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
coin_sparse <input type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments:		Events <u>2198</u> K Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)		

Run Number: <u>2440</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>22:05</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
I_{beam} : <u>35 μA</u>			Stop time (from RC): <u>22:05</u>		hTRIG5 rate	hTRIG6 rate	<input checked="" type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input checked="" type="checkbox"/>	Comments: <u>Junk CODA crashed</u>		Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)		

Run Number: <u>2441</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>22:12</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.07 x 06</u>	hTRIG3 rate <u>3503.5</u>	hTRIG4 rate <u>2629.2</u>
I_{beam} : <u>35 μA</u>			Stop time (from RC): <u>22:39</u>		hTRIG5 rate <u>885.2</u>	hTRIG6 rate <u>683.7</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
coin_sparse <input type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input checked="" type="checkbox"/>	Comments:		Events <u>803</u> K Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)		

Run Number: <u>2442</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>22:36</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.55 x 06</u>	hTRIG3 rate <u>3495.9</u>	hTRIG4 rate <u>2619</u>
I_{beam} : <u>35 μA</u>			Stop time (from RC): <u>22:47</u>		hTRIG5 rate <u>1238.3</u>	hTRIG6 rate <u>941.3</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
coin_sparse <input type="checkbox"/> coin <input checked="" type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments:		Events <u>537</u> K Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A) <u>686</u>		

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: / /

Initials:

Use a separate sheet for each configuration.

Kinematics: KinC_x50_4

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

E_{beam}: 10540 GeV

Raster: On Off
Size: 2x2

Beam position and angle on target:

3H07A	X	Y
	mm	mm
Nomin:		Nomin:
3H07C	X	Y
	mm	mm
Nomin:		Nomin:

HMS

SHMS

NPS

p: +/- _____ θ (TV): _____
From GUI Nearest 0.005

θ (TV): _____
Nearest 0.005

θ = SHMS
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = _____ Amp NPS Upstream Corr. I = _____ Amp NPS Upstream Corr. I = _____ Amp

Run Number:
2443

- LH2 10cm
- LD2 10cm
- Dummy 10cm
- Optics#1 8cm
- C 0.5% r.l.l
-

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

Start time (from RC):
22:59

Stop time (from RC):
23:59

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

hTRIG1 rate
2.09 e⁶ Hz

hTRIG3 rate
3997.1 Hz

hTRIG4 rate
2831.8 Hz

I_{beam}: 16 μ A

hTRIG5 rate
1903.8 Hz

hTRIG6 rate
1370.4 Hz

- Data ok
- Junk

coin_sparse
coin
coin_sparse_low

Comments:
1/4 of 1 hour runs

Events 3.9 M
Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)
99.98%

Max NPS anode current (single crystal)
5.19 (μ A)

Run Number:
2444

- LH2 10cm
- LD2 10cm
- Dummy 10cm
- Optics#1 8cm
- C 0.5% r.l.l
-

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

Start time (from RC):
23:55

Stop time (from RC):
00:55:29

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

hTRIG1 rate
2.09 e⁶ Hz

hTRIG3 rate
3971.1 Hz

hTRIG4 rate
2839.3 Hz

I_{beam}: 15 μ A

hTRIG5 rate
1782.9 Hz

hTRIG6 rate
1361.9 Hz

- Data ok
- Junk

coin_sparse
coin
coin_sparse_low

Comments:
2/4 of 1 hour runs

Events 4.9 M
Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)
99.88%

Max NPS anode current (single crystal)
5.19 (μ A)

Run Number:
2445

- LH2 10cm
- LD2 10cm
- Dummy 10cm
- Optics#1 8cm
- C 0.5% r.l.l
-

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

Start time (from RC):
00:57:48

Stop time (from RC):
02:02:00

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

hTRIG1 rate
1.51 e⁶ Hz

hTRIG3 rate
3909.9 Hz

hTRIG4 rate
2746.8 Hz

I_{beam}: 15 μ A

hTRIG5 rate
1858.1 Hz

hTRIG6 rate
1288.0 Hz

- Data ok
- Junk

coin_sparse
coin
coin_sparse_low

Comments:
3/4 of 1 hour runs

Events 4.2 M
Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)
99.99%

Max NPS anode current (single crystal)
4.98 (μ A)

Run Number:
2446

- LH2 10cm
- LD2 10cm
- Dummy 10cm
- Optics#1 8cm
- C 0.5% r.l.l
-

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

Start time (from RC):
02:07:00

Stop time (from RC):
03:17:00

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

hTRIG1 rate
1.48 e⁶ Hz

hTRIG3 rate
3911.1 Hz

hTRIG4 rate
2830.2 Hz

I_{beam}: 15 μ A

hTRIG5 rate
1914.1 Hz

hTRIG6 rate
1329.5 Hz

- Data ok
- Junk

coin_sparse
coin
coin_sparse_low

Comments:
4/4 of 1 hour runs

Events 5 M
Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)
99.88%

Max NPS anode current (single crystal)
5.18 (μ A)

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: / / Initials:

Use a separate sheet for each configuration.

Kinematics: KinC_x

Purpose:
 Production
 Test
 Optics
 Other: _____

HMS, field, current OK?
 yes no

E_{beam}: 10.540 GeV

Raster: On Off
 Size: 2x2

Beam position and angle on target:

HMS
 p: +/- _____ θ (TV): _____
From GUI Nearest 0.005

SHMS
 θ (TV): _____
Nearest 0.005

NPS
 θ = **SHMS**
-16.30° Nearest 0.005

3H07A	X	Y
	mm	mm
Nomin:		Nomin:
3H07C	X	Y
	mm	mm
Nomin:		Nomin:

Collimator: HMS: Large Sieve NPS Sweep Magnet I = _____ Amp NPS Upstream Corr. I = _____ Amp NPS Upstream Corr. I = _____ Amp

Run Number: <u>2667</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>03:21:37</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>9.48e⁵ Hz</u>	hTRIG3 rate <u>2557.3 Hz</u>	hTRIG4 rate <u>1831.2 Hz</u>
I _{beam} : <u>10</u> μ A			Stop time (from RC): <u>03:43:52</u>		hTRIG5 rate <u>831.9 Hz</u>	hTRIG6 rate <u>684.4 Hz</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>20 min run</u>	Events <u>830K</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.93 %</u>	Max NPS anode current (single crystal) <u>3.65</u> (μ A)
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Run Number: <u>2648</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): _____	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
I _{beam} : <u>5</u> μ A			Stop time (from RC): _____		hTRIG5 rate	hTRIG6 rate	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>20 min run, junk (No beam)</u>	Events _____ Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
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Run Number: <u>2649</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>04:10:34</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>4.92e⁵ Hz</u>	hTRIG3 rate <u>1377.2 Hz</u>	hTRIG4 rate <u>970.3 Hz</u>
I _{beam} : <u>5</u> μ A			Stop time (from RC): <u>04:33:33</u>		hTRIG5 rate <u>280.7 Hz</u>	hTRIG6 rate <u>204.7 Hz</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>20 min run, junk (UMC 2 Problem)</u>	Events <u>279K</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100 %</u>	Max NPS anode current (single crystal) <u>2.12</u> (μ A)
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Run Number: <u>2650</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>2</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>04:38:14</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.52e⁶ Hz</u>	hTRIG3 rate <u>3978.8 Hz</u>	hTRIG4 rate <u>2792.4 Hz</u>
I _{beam} : <u>15</u> μ A			Stop time (from RC): <u>05:04:52</u>		hTRIG5 rate <u>1935.9 Hz</u>	hTRIG6 rate <u>1368.9 Hz</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse <input checked="" type="checkbox"/> oin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>20 min run</u>	Events <u>9M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>5.32</u> (μ A)
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$p(e, e'\gamma) p$ Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: / / Initials:

Use a separate sheet for each configuration.

Kinematics: KinC_x50_4

Purpose:
 Production
 Test
 Optics
 Other: _____

HMS, field, current OK?
 yes no

E_{beam} : 10.560 GeV

Raster: On Off
 Size: _____

Beam position and angle on target:

HMS
 p : +/- _____ θ (TV): _____
From GUI Nearest 0.005

SHMS
 θ (TV): _____
Nearest 0.005

NPS
 θ = SHMS
-16.30° Nearest 0.005

3H07A	X	Y
	mm	mm
Nomin:		Nomin:
3H07C	X	Y
	mm	mm
Nomin:		Nomin:

Collimator: HMS: Large Sieve NPS Sweep Magnet $I =$ _____ Amp NPS Upstream Corr. $I =$ _____ Amp NPS Upstream Corr. $I =$ _____ Amp

Run Number: <u>2451</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>2</u>	Start time (from RC): _____ Stop time (from RC): _____	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate _____ hTRIG5 rate _____	hTRIG3 rate _____ hTRIG6 rate _____	hTRIG4 rate _____ <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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coin_sparse <input type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input checked="" type="checkbox"/>	Comments: <u>20 min run, junk (too low rate)</u>	Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui) _____	Max NPS anode current (single crystal) (μ A) _____
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Run Number: <u>2452</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>05:13:39</u> Stop time (from RC): <u>05:46:08</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6.98 e⁶ Hz</u> hTRIG5 rate <u>489.4 Hz</u>	hTRIG3 rate <u>1361.8 Hz</u> hTRIG6 rate <u>391.3 Hz</u>	hTRIG4 rate <u>969.4 Hz</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input checked="" type="checkbox"/>	Comments: <u>20 min run</u>	Events <u>36</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.97</u>	Max NPS anode current (single crystal) (μ A) <u>1.87</u>
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Run Number: <u>2453</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): _____ Stop time (from RC): _____	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate _____ hTRIG5 rate _____	hTRIG3 rate _____ hTRIG6 rate _____	hTRIG4 rate _____ <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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coin_sparse <input type="checkbox"/> coin <input checked="" type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>junk (very high rate)</u>	Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui) _____	Max NPS anode current (single crystal) (μ A) _____
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Run Number: <u>2454</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>2</u>	Start time (from RC): <u>06:00:31</u> Stop time (from RC): <u>06:16:18</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.53 e⁶ Hz</u> hTRIG5 rate <u>1629.3 Hz</u>	hTRIG3 rate <u>3998.6 Hz</u> hTRIG6 rate <u>1182.4 Hz</u>	hTRIG4 rate <u>2777.1 Hz</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input type="checkbox"/> oin <input checked="" type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>10 min run</u>	Events <u>318k</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μ A) <u>3.68</u>
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p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/10/31
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
kin CX-50-4
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

Q1	I-SET (from PSU) 684.605 A
	B-HALL 0.9870 T
Q2	I-SET (from PSU) 545.8920 A
	B-HALL -1.06562 T
Q3	I-SET (from PSU) 264.7070 A
	B-HALL 0.53180 T
D	I-READ 1640.7 A
	B-NMR 1.44029 T
If momentum increased: <input type="checkbox"/> HMS cycled?	

E_{beam}: 10.540 GeV I_{beam}: _____ μ A

Raster: On Off
 Size: 2 x 2

HMS
 p: +0.52530 θ (TV): 16.91
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	mm	mm
Nomin:		Nomin:
3H07C	X	Y
	mm	mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 31.750 θ = SHMS 15.45
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 4.61

Run Number: 2455
 LH2 10cm PS1: -1 Start time (from RC): 06:31:05
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1 Stop time (from RC): 06:57:16
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 4.93 e³ Hz hTRIG3 rate: 1360.3 Hz hTRIG4 rate: 864.1 Hz
 hTRIG5 rate: 489.1 Hz hTRIG6 rate: 390.1 Hz

Comments: coin - sparse, 20 min run, 5 μ A

Events 320K Active trigger LiveTime fraction (NPS Scaler Gui): 99.93% Max NPS anode current (single crystal): 2.06 μ A
 Charge _____ Data ok Junk

Run Number: 2456
 LH2 10cm PS1: -1 Start time (from RC): 07:11:10
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1 Stop time (from RC): 07:22:10
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.71 10⁶ Hz hTRIG3 rate: 3287. Hz hTRIG4 rate: 1800.9 Hz
 hTRIG5 rate: 1100.1 Hz hTRIG6 rate: 822.6 Hz

Comments: coin - sparse, 10 min run, 30 μ A

Events 445K Active trigger LiveTime fraction (NPS Scaler Gui): 99.89% Max NPS anode current (single crystal): 8.41 μ A
 Charge _____ Data ok Junk

Run Number: 2457
 LH2 10cm PS1: -1 Start time (from RC): 07:27:50
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1 Stop time (from RC): 07:39:07
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 5.03 e³ Hz hTRIG3 rate: 1550.2 Hz hTRIG4 rate: 1071.8 Hz
 hTRIG5 rate: 332.2 Hz hTRIG6 rate: 219.7 Hz

Comments: coin - sparse, 10 min, 15 μ A

Events 119K Active trigger LiveTime fraction (NPS Scaler Gui): 100% Max NPS anode current (single crystal): 3.92 μ A
 Charge _____ Data ok Junk

Run Number: 2458
 LH2 10cm PS1: -1 Start time (from RC): 7:55
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1 Stop time (from RC): 8:24
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.25 10⁶ Hz hTRIG3 rate: 3615.8 Hz hTRIG4 rate: 2700.4 Hz
 hTRIG5 rate: 1401.0 Hz hTRIG6 rate: 1069.5 Hz

Comments: coin - sparse, 1 hour run, 35 μ A

Events 1581K Active trigger LiveTime fraction (NPS Scaler Gui): 99.5% Max NPS anode current (single crystal): 7.34 μ A
 Charge _____ Data ok Junk

p θ distribution calc in 50R replay 8-16 rows.

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23, 10, 31
yy mm dd

Initials: MD

Use a separate sheet for each configuration.

HMS

Configuration Name: KimC x50-4
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

Q1	I-SET (from PSU) <u>684.1</u> A	B-HALL T
Q2	I-SET (from PSU) <u>546</u> A	B-HALL T
Q3	I-SET (from PSU) <u>264.2</u> A	B-HALL T
D	I-READ <u>1640.7</u> A	B-NMR T
If momentum increased: <input type="checkbox"/> HMS cycled?		

E_{beam}: 10.539 GeV I_{beam}: 35 μA

Raster: On Off
 Size: 2x2 mm²

HMS
 p: +/- ~~10.539~~ θ(TV): 16.91
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ(TV): 31.75 θ = SHMS 15.45
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: 2459
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0
 Start time (from RC): 8:39
 Stop time (from RC): _____
 Settings Verified?
 HV OK?
 50k OK? No
 hTRIG1 rate 1.87MHz hTRIG3 rate 3656 hTRIG4 rate 2705
 hTRIG5 rate 1440 hTRIG6 rate 1103
 Data ok
 Junk
 Comments: Some issue with NPS crate 2
DAQ Expert called → Stopped Badly.
 Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) 99.76 Max NPS anode current (single crystal) 6.94 (μA)
 Charge C

Run Number: 2463
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0
 Start time (from RC): 9:34
 Stop time (from RC): 10:35
 Settings Verified?
 HV OK?
 50k OK?
 hTRIG1 rate 1.87MHz hTRIG3 rate 3572 hTRIG4 rate 2735
 hTRIG5 rate 1331 hTRIG6 rate 1057
 Data ok
 Junk
 Comments: 35 μA coin-sparse
 Events 3565A Active trigger LiveTime fraction (NPS Scaler Gui) 99.89% Max NPS anode current (single crystal) 6.93 (μA)
 Charge 106.6nC

Run Number: 2464
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0
 Start time (from RC): 10:36
 Stop time (from RC): 11:38
 Settings Verified?
 HV OK?
 50k OK?
 hTRIG1 rate 1.78MHz hTRIG3 rate 3634 hTRIG4 rate 2715
 hTRIG5 rate 1470 hTRIG6 rate 1126
 Data ok
 Junk
 Comments: 35 μA coin-sparse
 Events 3405A Active trigger LiveTime fraction (NPS Scaler Gui) 99.88% Max NPS anode current (single crystal) 6.61 (μA)
 Charge 100nC

Run Number: 2465
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0
 Start time (from RC): 11:41
 Stop time (from RC): _____
 Settings Verified?
 HV OK?
 50k OK?
 hTRIG1 rate 1.05MHz hTRIG3 rate 2054 hTRIG4 rate 1522
 hTRIG5 rate 543 hTRIG6 rate 415
 Data ok
 Junk
 Comments: 20 μA coin-sparse
 Events 472R Active trigger LiveTime fraction (NPS Scaler Gui) 99.93% Max NPS anode current (single crystal) 7.04 (μA)
 Charge 21.15nC

$p(e,e'\gamma)p$ Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23 / 10 / 31
yy mm dd

Initials: MD

Use a separate sheet for each configuration.

HMS

Configuration Name: KimC x50-4

coin_sparse

coin

Purpose:

Production

Test

Optics

Other: _____

E_{beam}: 10.539 GeV

I_{beam}: _____ μ A

Raster: On Off

Size: 9x9

HMS

p: +/- _____ **θ (TV):** _____

From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

SHMS

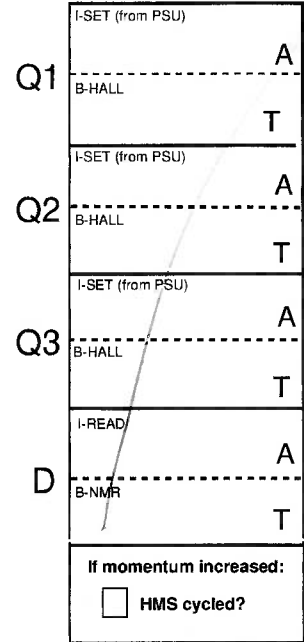
θ (TV): _____ Nearest 0.005

NPS

θ = SHMS -16.30° Nearest 0.005

Collimator: HMS: Large Sieve

NPS Sweep Current 468



Run Number: 2466

LH2 10cm

LD2 10cm

Dummy 10cm

Optics#1 8cm

C 0.5% r.l.l

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

Start time (from RC): 12:03 **Stop time (from RC):** 12:23

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 476 kHz **hTRIG3 rate:** 1066 **hTRIG4 rate:** 810

hTRIG5 rate: 178 **hTRIG6 rate:** 146

Data ok Junk

Comments: 10 μ A coin-sparse

Events: 164 k **Charge:** 10.548 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100% **Max NPS anode current (single crystal):** 1.34 μ A

Run Number: 2467

LH2 10cm

LD2 10cm

Dummy 10cm

Optics#1 8cm

C 0.5% r.l.l

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

Start time (from RC): 12:25 **Stop time (from RC):** 12:45

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.827 kHz **hTRIG3 rate:** 3600 **hTRIG4 rate:** 9689

hTRIG5 rate: 1563 **hTRIG6 rate:** 1154

Data ok Junk

Comments: 35 μ A coin-sparse

Events: 2017 k **Charge:** 36.4 mC

Active trigger LiveTime fraction (NPS Scaler Gui): ~100% **Max NPS anode current (single crystal):** 6.86 μ A

Run Number: 2468

LH2 10cm

LD2 10cm

Dummy 10cm

Optics#1 8cm

C 0.5% r.l.l

PS1: -1 **PS2:** -1 **PS3:** -1 **PS4:** -1 **PS5:** -1 **PS6:** 2

Start time (from RC): 12:49 **Stop time (from RC):** 13:02

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.567 kHz **hTRIG3 rate:** 3644 **hTRIG4 rate:** 2707

hTRIG5 rate: 1234 **hTRIG6 rate:** 945

Data ok Junk

Comments: 35 μ A coin

Events: 205 k **Charge:** 20.9 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100% **Max NPS anode current (single crystal):** 6.57 μ A

Run Number: 2469

LH2 10cm

LD2 10cm

Dummy 10cm

Optics#1 8cm

C 0.5% r.l.l

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

Start time (from RC): 13:07 **Stop time (from RC):** 13:28

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.97 kHz **hTRIG3 rate:** 1049 **hTRIG4 rate:** 824

hTRIG5 rate: 466 **hTRIG6 rate:** 365

Data ok Junk

Comments: 10 μ A coin-sparse-low

Events: 426 k **Charge:** 11 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.95 **Max NPS anode current (single crystal):** 2.17 μ A

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 03/10/31
yy mm dd

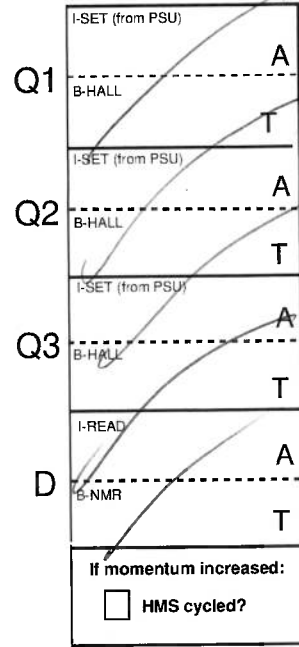
Initials: MD

Use a separate sheet for each configuration.

HMS

Configuration Name: Kim C x 50-4
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____



E_{beam}: _____ GeV I_{beam}: _____ μA

Raster: On Off
 Size: _____

HMS
 p: +/- _____ θ(TV): _____
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	mm	mm
Nomin:		Nomin:
3H07C	X	Y
	mm	mm
Nomin:		Nomin:

SHMS **NPS**
 θ(TV): _____ θ = SHMS _____
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: <u>2470</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>13:35</u> Stop time (from RC): <u>14:35</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2 MHz</u>	hTRIG3 rate <u>3900</u>	hTRIG4 rate <u>2816</u>
Comments: <u>coin sparse 15 μA</u>			Events <u>4209B</u> Charge <u>439.2C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.88%</u>	Max NPS anode current (single crystal) <u>5.41 (μA)</u>		
					hTRIG5 rate <u>1880</u>	hTRIG6 rate <u>1380</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Run Number: <u>2471</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>14:37</u> Stop time (from RC): <u>15:37</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.1 MHz</u>	hTRIG3 rate <u>3931</u>	hTRIG4 rate <u>2887</u>
Comments: <u>coin sparse 15 μA</u>			Events <u>4317R</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.9%</u>	Max NPS anode current (single crystal) <u>5.36 (μA)</u>		
					hTRIG5 rate <u>1952</u>	hTRIG6 rate <u>1357</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Run Number: <u>2472</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>15:39</u> Stop time (from RC): <u>14:56:24</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.07 MHz</u>	hTRIG3 rate <u>3819</u>	hTRIG4 rate <u>2767</u>
Comments: <u>coin sparse 15 μA</u>			Events <u>5708k</u> Charge <u>60.32mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.92%</u>	Max NPS anode current (single crystal) <u>5.15 (μA)</u>		
					hTRIG5 rate <u>1849</u>	hTRIG6 rate <u>1316</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Run Number: <u>2473</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>1</u> PS2: <u>1</u> PS3: <u>1</u> PS4: <u>1</u> PS5: <u>1</u> PS6: <u>0</u>	Start time (from RC): <u>16:57:32</u> Stop time (from RC): <u>1807:32</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2100k</u>	hTRIG3 rate <u>4092.9</u>	hTRIG4 rate <u>2994.1</u>
Comments: <u>coin sparse, 15 μA</u>			Events <u>5142k</u> Charge <u>54.29mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.9%</u>	Max NPS anode current (single crystal) <u>5.32 (μA)</u>		
					hTRIG5 rate <u>1887.8</u>	hTRIG6 rate <u>1223.7</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

p(e,e'γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: / /
yy mm dd

Initials: hhuang

Use a separate sheet for each configuration.

HMS

Configuration Name: kinC_x50_4

coin_sparse

coin

Purpose:

Production

Test

Optics

Other: _____

Q1	I-SET (from PSU)	684.45 A
	B-HALL	0.9068 T
Q2	I-SET (from PSU)	545.84 A
	B-HALL	-1.06435 T
Q3	I-SET (from PSU)	264.8 A
	B-HALL	0.52966 T
D	I-READ	1643.25 A
	B-NMR	1.44029 T
If momentum increased:		
<input type="checkbox"/> HMS cycled?		

E_{beam}: 10.54 GeV I_{beam}: 15 μA

Raster: On Off

Size: 2x2 mm²

HMS 5.253

p: +0 ~~10.71~~ θ(TV): 16.91
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

SHMS NPS

θ(TV): 31.75 θ = SHMS 15.45
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 467.93

Run Number: <u>2474</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>18:08:47</u> Stop time (from RC): <u>19:28:48</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2090 k</u> hTRIG5 rate <u>1916.7</u>	hTRIG3 rate <u>4007</u> hTRIG6 rate <u>1373.9</u>	hTRIG4 rate <u>2834</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>coin sparse, 15 μA</u>		Events <u>5444 k</u> Charge <u>57.29 C</u>		Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.79%</u>	Max NPS anode current (single crystal) <u>5.41 (μA)</u>		

Run Number: <u>2475</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>19:30:58</u> Stop time (from RC): <u>20:02:25</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1540 k</u> hTRIG5 rate <u>882.6</u>	hTRIG3 rate <u>2654.4</u> hTRIG6 rate <u>612.8</u>	hTRIG4 rate <u>1901.1</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>coin sparse, 10 μA</u>		Events <u>1050 k</u> Charge <u>4.67 C</u>		Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.94%</u>	Max NPS anode current (single crystal) <u>3.75 (μA)</u>		

Run Number: <u>2476</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>20:04:32</u> Stop time (from RC): <u>20:29:32</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>750 k</u> hTRIG5 rate <u>271.4</u>	hTRIG3 rate <u>1308</u> hTRIG6 rate <u>210.8</u>	hTRIG4 rate <u>1006.6</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>coin sparse, 5 μA</u>		Events <u>249 k</u> Charge <u>4.67 C</u>		Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>2.01 (μA)</u>		

Run Number: <u>2477</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>2</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>20:32:21</u> Stop time (from RC): <u>21:01:33</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2110 k</u> hTRIG5 rate <u>1958.8</u>	hTRIG3 rate <u>4025.8</u> hTRIG6 rate <u>1280.2</u>	hTRIG4 rate <u>2898.1</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>coin sparse, 15 μA</u>		Events <u>2040 k</u> Charge <u>21.72 μC</u>		Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>5.16 (μA)</u>		

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: / /
yy mm dd

Initials: Had

Use a separate sheet for each configuration.

HMS

Configuration Name: kinC_x50-4

coin_sparse

coin

Purpose:

Production

Test

Optics

Other: _____

E_{beam}: 10.54 GeV I_{beam}: _____ μA

Raster: On Off

Size: 2x2 mm²

Q1	I-SET (from PSU)	<u>684.45</u> A
	B-HALL	<u>0.9068</u> T
Q2	I-SET (from PSU)	<u>545.84</u> A
	B-HALL	<u>-1.06435</u> T
Q3	I-SET (from PSU)	<u>264.8</u> A
	B-HALL	<u>0.52966</u> T
D	I-READ	<u>1643.25</u> A
	B-NMR	<u>1.44029</u> T
If momentum increased:		
<input type="checkbox"/> HMS cycled?		

HMS

p: +5.253 θ(TV): 16.91
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS**

θ(TV): 31.75 θ = SHMS 15.45
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 467.93

Run Number: <u>2478</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>21:07:00</u> Stop time (from RC): <u>21:32:50</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1670k</u>	hTRIG3 rate <u>1386.2</u>	hTRIG4 rate <u>980.6</u>
					hTRIG5 rate <u>503.1</u>	hTRIG6 rate <u>374.5</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>coin sparse low, 5 μA</u>				Events <u>510k</u> Charge <u>6.5mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>2.07</u> (μA)	

Run Number: <u>2479</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>2</u>	Start time (from RC): <u>21:36:44</u> Stop time (from RC): <u>21:48:00</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1950k</u>	hTRIG3 rate <u>3883.8</u>	hTRIG4 rate <u>2827.3</u>
					hTRIG5 rate <u>1658.5</u>	hTRIG6 rate <u>1236.1</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>coin, 15 μA</u>				Events <u>238k</u> Charge <u>8.22mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>5.03</u> (μA)	

Run Number: <u>2480</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>22:03:46</u> Stop time (from RC): <u>22:19:05</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1520k</u>	hTRIG3 rate <u>3137.3</u>	hTRIG4 rate <u>2079.9</u>
					hTRIG5 rate <u>1082</u>	hTRIG6 rate <u>777.9</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>coin sparse, 30 μA</u>				Events <u>677k</u> Charge <u>25.02mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.9%</u>	Max NPS anode current (single crystal) <u>9.06</u> (μA)	

Run Number: <u>2481</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>22:21:56</u> Stop time (from RC): <u>22:32:56</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>784k</u>	hTRIG3 rate <u>1610.3</u>	hTRIG4 rate <u>1082.3</u>
					hTRIG5 rate <u>315.3</u>	hTRIG6 rate <u>247.2</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>coin sparse, 15 μA</u>				Events <u>142k</u> Charge <u>9.24mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.8%</u>	Max NPS anode current (single crystal) <u>4.55</u> (μA)	

p(e,e' γ) p Run Sheet

hallweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/11/01
yy mm dd

Initials: Hao

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Kinc-~~150~~-4
 coin_sparse
 coin

E_{beam} : 10.54 GeV I_{beam} : _____ μA

HMS
 p : +0.5253 $\theta(\text{TV})$: 16.91
From GUI Nearest 0.005

SHMS **NPS**
 $\theta(\text{TV})$: 31.75 $\theta = \text{SHMS}$ 15.45
Nearest 0.005 -16.30° Nearest 0.005

Collimator: **HMS:** Large Sieve **NPS Sweep Current** 467.93

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2 mm²

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>684.45</u> A
	B-HALL <u>0.9068</u> T
Q2	I-SET (from PSU) <u>545.84</u> A
	B-HALL <u>-1.06435</u> T
Q3	I-SET (from PSU) <u>264.8</u> A
	B-HALL <u>0.52966</u> T
D	I-READ <u>1643.25</u> A
	B-NMR <u>1.44029</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: <u>2482</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>22:47:04</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1810k</u>	hTRIG3 rate <u>3643.1</u>	hTRIG4 rate <u>2730.2</u>
Comments: <u>coin sparse, 35 35 μA</u>			Stop time (from RC): <u>00:04:20</u>	Events <u>4195M</u> Charge <u>1249nC</u>	hTRIG5 rate <u>1502.8</u>	hTRIG6 rate <u>1145.5</u>	<input checked="" type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
				Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.9%</u>	Max NPS anode current (single crystal) <u>6.96</u> (μA)		

Run Number: <u>2483</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>00:05:23</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.80.10⁶</u>	hTRIG3 rate <u>3585</u>	hTRIG4 rate <u>2699</u>
Comments: <u>coin sparse, 35 μA, 10 min good beam</u>			Stop time (from RC): <u>00:46:25</u>	Events <u>6055k</u> Charge <u>1724nC</u>	hTRIG5 rate <u>1509</u>	hTRIG6 rate <u>1059</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
				Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.763</u>	Max NPS anode current (single crystal) <u>6.59</u> (μA)		

Run Number: <u>2484</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>00:47:15</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.76e⁶</u>	hTRIG3 rate <u>3439</u>	hTRIG4 rate <u>2605</u>
Comments: <u>coin sparse, 35 μA, 10 min good beam</u>			Stop time (from RC): <u>01:30</u>	Events <u>2266M</u> Charge <u>818nC</u>	hTRIG5 rate <u>1305</u>	hTRIG6 rate <u>1079</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
				Active trigger LiveTime fraction (NPS Scaler Gui) <u>98.924</u>	Max NPS anode current (single crystal) <u>7.05</u> (μA)		

Run Number: <u>2485</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>01:32:32</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>105e6</u>	hTRIG3 rate <u>2002</u>	hTRIG4 rate <u>1578</u>
Comments: <u>coin sparse, 20 μA,</u>			Stop time (from RC): <u>02:20</u>	Events <u>1107M</u> Charge <u>195nC</u>	hTRIG5 rate <u>555</u>	hTRIG6 rate <u>396</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
				Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>3.67</u> (μA)		

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 23/11/01
yy mm dd

Initials: EF

Use a separate sheet for each configuration.

HMS

Configuration Name: Kin E x 50-4

coin_sparse

coin

Purpose:

Production

Test

Optics

Other: _____

E_{beam}: 10.54 GeV

I_{beam}: 10-35 μ A

Raster: On Off

Size: 2x2

HMS

p: +05.253 θ (TV): 16.915

From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.03</u> mm		<u>0.316</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.306</u> mm		<u>0.296</u> mm
Nomin:		Nomin:

SHMS 31.750 **NPS**

θ (TV): 16.915 θ = SHMS 15.65

Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

I-SET (from PSU)	<u>684.5</u> A
B-HALL	<u>0.915</u> T
I-SET (from PSU)	<u>545.83</u> A
B-HALL	<u>1.06391</u> T
I-SET (from PSU)	<u>264.80</u> A
B-HALL	<u>0.53007</u> T
I-READ	<u>1643.28A</u>
B-NMR	<u>1.44029</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 2487

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.i

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

Start time (from RC): 2:24:56 Stop time (from RC): 2:40:

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.08e6 hTRIG3 rate: 2013 hTRIG4 rate: 1491

hTRIG5 rate: 4820489 hTRIG6 rate: 374

Data ok Junk

Comments: 20 mA, coin sparse, edm @ 1 Hz

Events 366k Charge 1754C

Active trigger LiveTime fraction (NPS Scaler Gui): 100%

Max NPS anode current (single crystal): 4.60 (μ A)

Run Number: 2488

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.i

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

Start time (from RC): 2:44:55 Stop time (from RC): 3:40:58

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 4.84e5 hTRIG3 rate: 1047 hTRIG4 rate: 818

hTRIG5 rate: 131 hTRIG6 rate: 144

Data ok Junk

Comments: 10 mA coin sparse, edm back to 40 Hz

Events 475k Charge 30254C

Active trigger LiveTime fraction (NPS Scaler Gui): 100%

Max NPS anode current (single crystal): 2.94 (μ A)

Run Number: 2489

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.i

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

Start time (from RC): 3:43:38 Stop time (from RC): 4:44:53

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 8.90e5 hTRIG3 rate: 1726 hTRIG4 rate: 1353

hTRIG5 rate: 429 hTRIG6 rate: 325

Data ok Junk

Comments: 17 μ A coinsparse \Rightarrow efficiency run

Events 3.75M Charge 29.2MC

Active trigger LiveTime fraction (NPS Scaler Gui): NA

Max NPS anode current (single crystal): 2.59 (μ A)

Run Number: 2490

LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.i

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

Start time (from RC): 4:17:41 Stop time (from RC): 4:49

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.83e6 hTRIG3 rate: 3651 hTRIG4 rate: 2664

hTRIG5 rate: 1465 hTRIG6 rate: 1184

Data ok Junk

Comments: 35 mA coin sparse

Events 3.732M Charge 567MC

Active trigger LiveTime fraction (NPS Scaler Gui): NA

Max NPS anode current (single crystal): 6.9 (μ A)

p(e,e' γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheets_dvcs_NPS.pdf

Date: 23/11/01
yy mm dd

Initials: EF

Use a separate sheet for each configuration.

HMS

Configuration Name: KiaC~~50~~-50-4

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 17-35 μ A

Raster: On Off
Size: 2x2

HMS
p: +05.253 θ (TV): 16.915
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): _____ θ = SHMS 15.45
Nearest 0.005 Nearest 0.005
 -16.30°

Collimator: HMS: Large Sieve NPS Sweep Current

Q1	I-SET (from PSU) <u>684.50</u> A
	B-HALL <u>0.915</u> T
Q2	I-SET (from PSU) <u>545.83</u> A
	B-HALL <u>-1.0639</u> T
Q3	I-SET (from PSU) <u>264.80</u> A
	B-HALL <u>0.5340</u> T
D	I-READ <u>1643.28</u> A
	B-NMR <u>1.440</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: <u>2493</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>1</u>	Start time (from RC): <u>04:58</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.02e6</u>	hTRIG3 rate <u>3668</u>	hTRIG4 rate <u>2739</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>35 μA, coin-sparse-low</u>								

Events <u>650K</u> Charge <u>32580</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.952</u>	Max NPS anode current (single crystal) (μ A) <u>6.73</u>
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Run Number: <u>2494</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>5:35:00</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.10e6</u>	hTRIG3 rate <u>3650</u>	hTRIG4 rate <u>2634</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>35 μA, coinsparse-low</u>								

Events <u>1.27M</u> Charge <u>60 nC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.815</u>	Max NPS anode current (single crystal) (μ A) <u>6.47</u>
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Run Number: <u>2495</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>6:07:00</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.44e6</u>	hTRIG3 rate <u>1856</u>	hTRIG4 rate <u>1350</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>17 μA, coin-sparse-low</u>								

Events <u>780K</u> Charge <u>378 nC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μ A) <u>3.82</u>
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Run Number: <u>2491</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>6:48:</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>9.28e5</u>	hTRIG3 rate <u>2066</u>	hTRIG4 rate <u>1541</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>20 μA coin</u>								

Events <u>264K</u> Charge <u>132 nC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.79</u>	Max NPS anode current (single crystal) (μ A) <u>3.66</u>
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