

p(e,e'γ) p Run Sheet

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

Date: 24/03/08
yy mm dd

Initials: cy

Use a separate sheet for each configuration.

Kinematics: KinC_x 25-4

E_{beam}: 10.538 GeV

Raster: On Off
Size: 2x2 mm²

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

Beam position and angle on target:

3H07A	X	Y
<u>1.691</u>	mm	<u>0.3-9</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.699</u>	mm	<u>0.298</u> mm
Nomin:		Nomin:

HMS

SHMS

NPS

p: +/- 4.149 θ(TV): 15.2
From GUI Nearest 0.005

θ(TV): 27.5
Nearest 0.005

θ = SHMS 11.2
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 4.65 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number: <u>5103</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>06:54</u> Stop time (from RC): <u>07:34</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.51M</u> hTRIG5 rate: <u>2410</u>	hTRIG3 rate: <u>6779</u> hTRIG6 rate: <u>1254</u>	hTRIG4 rate: <u>3852</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>1st run of LH2 (10 mins no beam)</u>	Events <u>2.1M</u> Charge <u>22mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>99.8%</u>	Max NPS anode current (single crystal): <u>9.02 (μA)</u>
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Run Number: <u>5104</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>07:36</u> Stop time (from RC): <u>08:03</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.52M</u> hTRIG5 rate: <u>2393</u>	hTRIG3 rate: <u>6908</u> hTRIG6 rate: <u>1240</u>	hTRIG4 rate: <u>3475</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>2/8</u>	Events <u>1.97M</u> Charge <u>20mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>99.7%</u>	Max NPS anode current (single crystal): <u>8.56 (μA)</u>
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Run Number: <u>5105</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): 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
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coin_sparse <input type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>3/8</u>	Events: Charge: <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui):	Max NPS anode current (single crystal): (μA)
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Run Number: <u>5106</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>8:34</u> Stop time (from RC): <u>9:05</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.56M</u> hTRIG5 rate: <u>2449</u>	hTRIG3 rate: <u>6697</u> hTRIG6 rate: <u>1278</u>	hTRIG4 rate: <u>3510</u> <input checked="" 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 type="checkbox"/>	Comments: <u>3/8</u>	Events <u>2.2M</u> Charge <u>22mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui):	Max NPS anode current (single crystal): (μA)
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22.7m

p(e,e'γ) p Run Sheet

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

Date: 24 / 13 / 8
 yy mm dd

Initials: T.S.

Use a separate sheet for each configuration.

Kinematics: KinC_x25-4

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

E_{beam}: 10.532 GeV

Raster: On Off
 Size: 2x2 mm

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm	<u>0</u> mm	<u>3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u> mm	<u>0</u> mm	<u>3</u> mm
Nomin:		Nomin:

HMS

SHMS

NPS

p: +/- 4.149 From GUI θ(TV): 15.2 Nearest 0.005

θ(TV): -27.5 Nearest 0.005

θ = SHMS 16.2
 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 40 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number: <u>5107</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>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>0</u>	Start time (from RC): <u>9:07</u> Stop time (from RC): <u>9:39</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.54e6</u> hTRIG5 rate: <u>2497</u>	hTRIG3 rate: <u>652</u> hTRIG6 rate: <u>1322</u>	hTRIG4 rate: <u>3561</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>4/8</u>	Events: <u>2.129M</u> Charge: <u>2.16¹⁰ C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>99.842</u>	Max NPS anode current (single crystal) (μA): <u>9.11</u>
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Run Number: <u>5108</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>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>0</u>	Start time (from RC): <u>9:40</u> Stop time (from RC): <u>10:11</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.53e6</u> hTRIG5 rate: <u>2374</u>	hTRIG3 rate: <u>6515</u> hTRIG6 rate: <u>1263</u>	hTRIG4 rate: <u>3597</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>5/8</u>	Events: <u>2.0M</u> Charge: <u>2.31¹⁰ C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>99.625</u>	Max NPS anode current (single crystal) (μA): <u>9.1</u>
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Run Number: <u>5109</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>0</u>	Start time (from RC): <u>10:12</u> Stop time (from RC): <u>10:49</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.54e6</u> hTRIG5 rate: <u>2375</u>	hTRIG3 rate: <u>6071</u> hTRIG6 rate: <u>1231</u>	hTRIG4 rate: <u>3509</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>6/8</u>	Events: <u>2.16M</u> Charge: <u>2.25¹⁰ C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>99.976</u>	Max NPS anode current (single crystal) (μA): <u>9.31</u>
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Run Number: <u>5110</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>0</u>	Start time (from RC): <u>10:49</u> Stop time (from RC): <u>11:20</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.53e6</u> hTRIG5 rate: <u>2480</u>	hTRIG3 rate: <u>3502</u> hTRIG6 rate: <u>1273</u>	hTRIG4 rate: <u>2376</u> <input checked="" type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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coin_sparse <input type="checkbox"/> coin <input type="checkbox"/> n_sparse_low <input type="checkbox"/>	Comments: <u>7/8</u>	Events: <u>2.2M</u> Charge: <u>2.325¹⁰ C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>99.872</u>	Max NPS anode current (single crystal) (μA): <u>8.96</u>
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p(e,e'γ) p Run Sheet

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

Date: 24/3/18
 yy mm dd

Initials: T.S

Use a separate sheet for each configuration.

Kinematics: KinC_x 25-4

E_{beam}: 10537 GeV

Raster: On Off
 Size: 2x2 mm

Purpose:
 Production
 Test
 Optics
 Other: _____

HMS, field, current OK?
 yes no

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</u> mm
Nomin:		Nomin:

HMS
 p: 1.4919 From GUI θ(TV): 15.2 Nearest 0.005

SHMS
 θ(TV): 27.5 Nearest 0.005

NPS
 θ = SHMS 11.2
 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 1.8 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number: 5111
 I_{beam}: 14 μA

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

PS1: 4 PS2: 4 PS3: 4 PS4: 4 PS5: 4 PS6: 0

Start time (from RC): 11:21
 Stop time (from RC): 11:52

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 15206 hTRIG3 rate: 1803 hTRIG4 rate: 5460
 hTRIG5 rate: 2274 hTRIG6 rate: 1208

Data ok Junk

coin_sparse coin coin_sparse_low

Comments: 8/8

Events: 2.24 Charge: 23-Tm C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.917

Max NPS anode current (single crystal): 8.89 (μA)

Run Number: 5112
 beam: 10 μA

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

PS1: 4 PS2: 4 PS3: 4 PS4: 4 PS5: 4 PS6: 0

Start time (from RC): 11:55
 Stop time (from RC): 12:16

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 10606 hTRIG3 rate: 4956 hTRIG4 rate: 2465
 hTRIG5 rate: 1222 hTRIG6 rate: 692

Data ok Junk

coin_sparse coin coin_sparse_low

Comments: Current 14 -> 10 μA

Events: 195k Charge: 11.29 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100%

Max NPS anode current (single crystal): 5.93 (μA)

Run Number: 5113
 I_{beam}: 6 μA

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

PS1: 4 PS2: 4 PS3: 4 PS4: 4 PS5: 4 PS6: 0

Start time (from RC): 12:19
 Stop time (from RC): 12:52

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 6805 hTRIG3 rate: 3092 hTRIG4 rate: 1582
 hTRIG5 rate: 577 hTRIG6 rate: 306

Data ok Junk

coin_sparse coin coin_sparse_low

Comments: 10 μA -> 6 μA

Events: 51k Charge: 1008 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100%

Max NPS anode current (single crystal): 5.80 (μA)

Run Number: 5114
 I_{beam}: _____ μA

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

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

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

coin_sparse coin coin_sparse_low

Comments: _____

Events: _____ Charge: _____ C

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: 28 / 13 / 18
W mm dd

Initials: T-S

Use a separate sheet for each configuration.

Kinematics: KinC_x 25-f

E_{beam}: 10.538 GeV

Raster: On Off
 Size: 2x2 mm

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

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:

HMS

SHMS

NPS

p: +A 4.49 θ(TV): 15.2
From GUI Nearest 0.005

θ(TV): 27.5
Nearest 0.005

θ = SHMS 11.2
-16.30° Nearest 0.005

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>5115</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>7</u> PS2: <u>7</u> PS3: <u>7</u> PS4: <u>3</u> PS5: <u>7</u> PS6: <u>7</u>	Start time (from RC): <u>12:56</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>1326</u> hTRIG5 rate: <u>2458</u>	hTRIG3 rate: <u>6910</u> hTRIG6 rate: <u>1287</u>	hTRIG4 rate: <u>3536</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low
 Comments: ps6: 0 -> 1, ps4: 7 -> 3
 Events 316 Charge C Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) (μA) 9.11

Run Number: <u>5116</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>7</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): _____ 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
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coin_sparse coin coin_sparse_low
 Comments: _____
 Events _____ Charge C Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μA) _____

Run Number: <u>5118</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>7</u> PS2: <u>7</u> PS3: <u>7</u> PS4: <u>7</u> PS5: <u>7</u> PS6: <u>2</u>	Start time (from RC): <u>13:27</u> Stop time (from RC): <u>13:43</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>13126</u> hTRIG5 rate: <u>2418</u>	hTRIG3 rate: <u>6696</u> hTRIG6 rate: <u>1235</u>	hTRIG4 rate: <u>3523</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low
 Comments: Coin-sparse -> Coin
 Events 345 Charge C Active trigger LiveTime fraction (NPS Scaler Gui) 99.97% Max NPS anode current (single crystal) (μA) 9.04

Run Number: <u>5119</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>7</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>13:53</u> Stop time (from RC): <u>14:25</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>21826</u> hTRIG5 rate: <u>4045</u>	hTRIG3 rate: <u>8272</u> hTRIG6 rate: <u>1932</u>	hTRIG4 rate: <u>3248</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low
 Comments: LH2 -> Dummy
 Events 296 Charge C Active trigger LiveTime fraction (NPS Scaler Gui) 95.35% Max NPS anode current (single crystal) (μA) 12.83

p(e,e'γ) p Run Sheet

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

Date: 24/3/8
yy mm dd

Initials: T.S

Use a separate sheet for each configuration.

Kinematics: KinC_x 25-4

E_{beam}: 6.537 GeV

Raster: On Off
Size: 2x2 mm

Purpose:
 Production
 Test
 Optics
 Other: _____

HMS, field, current OK?
yes no

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:		

HMS
p: +/- θ(TV): 15.2
From GUI Nearest 0.005

SHMS
θ(TV): -27.5
Nearest 0.005

NPS
θ = SHMS 11.2
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 4.6 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number: <u>520</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>14:28</u>	Stop time (from RC): <u>14:48</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>8.26e5</u>	hTRIG3 rate <u>4208</u>	hTRIG4 rate <u>609</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>7</u> μA	Comments:			Events <u>300k</u> <u>4.61M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>122</u> (μA)			

Run Number: <u>5121</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>15:04</u>	Stop time (from RC): <u>15:55</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>3.72e6</u>	hTRIG3 rate <u>10945</u>	hTRIG4 rate <u>5058</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>7</u> μA	Comments: <u>1/16</u>			Events <u>3.6M</u> <u>10.05M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.777</u>	Max NPS anode current (single crystal) <u>7.26</u> (μA)			

Run Number: <u>5122</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>15:58</u>	Stop time (from RC): <u>16:12</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.05e6</u>	hTRIG3 rate <u>11463</u>	hTRIG4 rate <u>5194.5</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>7</u> μA	Comments: <u>2/16</u>			Events <u>4.55M</u> <u>17.2C</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>97.067</u>	Max NPS anode current (single crystal) <u>7.61</u> (μA)			

Run Number: <u>5123</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	hTRIG3 rate	hTRIG4 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>7</u> μA	Comments:			Events _____ Charge <u>C</u>	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: 24 / 03 / 08
 yy mm dd

Initials: RUW

Use a separate sheet for each configuration.

Kinematics: KinC_x 25.4

- Purpose:**
- Production
 - Test
 - Optics
 - Other: _____

HMS, field, current OK?
 yes no

E_{beam}: 10.534 GeV

Raster: On Off
 Size: _____

Beam position and angle on target:

HMS
 p: +0 4.149 θ (TV): 15.2
From GUI Nearest 0.005

SHMS
 θ (TV): 27.5
Nearest 0.005

NPS
 θ = SHMS 11.2
 -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 = 6 Amp NPS Upstream Corr. I = 0 Amp

Run Number: <u>5123</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. <input checked="" type="checkbox"/> Out of Beam	PS1: -1 PS2: -1 PS3: <u>0</u> PS4: -1 PS5: -1 PS6: -1	Start time (from RC): <u>17:08</u> Stop time (from RC): <u>17:29</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
I _{beam} : <u>5</u> μ A	Comments: <u>Sweeper magnet off</u>			Events <u>3.31C</u> Charge <u>4.9C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μ A)	
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>						<input checked="" type="checkbox"/> Data ok	<input type="checkbox"/> Junk

Run Number: <u>5124</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. <input checked="" type="checkbox"/> Out of Beam	PS1: -1 PS2: -1 PS3: <u>0</u> PS4: -1 PS5: -1 PS6: -1	Start time (from RC): <u>17:32</u> Stop time (from RC): <u>17:50</u>	<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	Comments: <u>Sweeper magnet on</u>			Events <u>3.11C</u> Charge <u>4.5C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μ A)	
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> in_sparse_low <input type="checkbox"/>						<input checked="" type="checkbox"/> Data ok	<input type="checkbox"/> Junk

Run Number: <u>5125</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. <input checked="" type="checkbox"/> Carbon Hole	PS1: -1 PS2: -1 PS3: <u>0</u> PS4: -1 PS5: -1 PS6: -1	Start time (from RC): <u>18:01</u> 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
I _{beam} : <u>5</u> μ A	Comments: <u>Sweeper magnet off</u>			Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μ A)	
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>						<input type="checkbox"/> Data ok	<input type="checkbox"/> Junk

Run Number: <u>5126</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. <input checked="" type="checkbox"/> Carbon Hole	PS1: -1 PS2: -1 PS3: <u>0</u> PS4: -1 PS5: -1 PS6: -1	Start time (from RC): <u>18:10</u> Stop time (from RC): <u>18:25</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
I _{beam} : <u>5</u> μ A	Comments: <u>Sweeper magnet off</u>			Events <u>3.81C</u> Charge <u>4.0C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μ A)	
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>						<input checked="" type="checkbox"/> Data ok	<input type="checkbox"/> Junk

p(e,e') p Run Sheet

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

Date: 24 / 03 / 08
 yy mm dd

Initials: RMW

Use a separate sheet for each configuration.

Kinematics: KinC_x 25-4

- Purpose:**
- Production
 - Test
 - Optics
 - Other: _____

HMS, field,
current OK?
yes no

E_{beam}: 10.534 GeV

Raster: On Off
Size: _____

Beam position and angle on target:

HMS
p: +64.149 From GUI
θ(TV): 15.2 Nearest 0.005

SHMS
θ(TV): 27.5 Nearest 0.005

NPS
θ = SHMS 11.2
-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>5127</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. <input checked="" type="checkbox"/> Carbon Hole	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>18:27</u> Stop time (from RC): <u>18:43</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	coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>Sweep magnet on</u>	Events <u>3.6k</u> Charge <u>? C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μA)
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Run Number: <u>5128</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. <input checked="" type="checkbox"/> Carbon Hole	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>18:49</u> Stop time (from RC): <u>19:06</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 checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk	coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> n_sparse_low <input type="checkbox"/>	Comments: <u>raster turned on</u>	Events <u>172k</u> Charge <u>2.9 C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μA)
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Run Number: <u>5129</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. <input checked="" type="checkbox"/> Carbon Hole	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>19:10</u> Stop time (from RC): <u>19:20</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	coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>Sweep magnet on raster turned off</u>	Events <u>2.8k</u> Charge <u>3.2 C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μA)
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Run Number: <u>5130</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. <input checked="" type="checkbox"/> Halo	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>19:27</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 hTRIG3 rate hTRIG4 rate 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>Sweep magnet off raster off</u>	Events <u>2.5k</u> Charge <u>4.1 C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	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:Runsheet_dvcs_NPS.pdf

Date: 24 05 08
yy mm dd

Initials: RMM

Use a separate sheet for each configuration.

Kinematics: KinC_x 75-4

E_{beam}: 10.534 GeV

Raster: On Off
Size: _____

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

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:

HMS
p: +15.149 θ (TV): 15.2
From GUI Nearest 0.005

SHMS
 θ (TV): 27.5
Nearest 0.005

NPS
 θ = SHMS 11.2
-16.30° Nearest 0.005

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>5131</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 <input checked="" type="checkbox"/> HALO	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>19:45</u> Stop time (from RC): <u>20:00</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
I _{beam} : <u>5</u> μ A	Comments: <u>Sweep mag. on raster off</u>			Events <u>2.4K</u> Charge <u>5.4C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μ A)	
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>					hTRIG5 rate	hTRIG6 rate	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Run Number: <u>5132</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 <input checked="" type="checkbox"/> HALO	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>20:04</u> Stop time (from RC): <u>20:17</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
I _{beam} : <u>5</u> μ A	Comments: <u>Sweep mag. on raster on</u>			Events <u>2.1K</u> Charge <u>2.8C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μ A)	
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>					hTRIG5 rate	hTRIG6 rate	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Run Number: <u>5133</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input checked="" type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> HALO	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>20:30</u> Stop time (from RC): <u>20:48</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
I _{beam} : <u>30</u> μ A	Comments: <u>Sweep mag. off raster on</u>			Events <u>116K</u> Charge <u>17.8C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μ A) <u>~2</u>	
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>					hTRIG5 rate	hTRIG6 rate	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Run Number: <u>5134</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"/> HALO	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>21:02</u> Stop time (from RC): <u>21:32</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.0e6</u>	hTRIG3 rate <u>10821</u>	hTRIG4 rate <u>5124</u>
I _{beam} : <u>7</u> μ A	Comments: <u>sweep mag. on raster on 3/16 for LD2</u>			Events <u>3.67K</u> Charge <u>10.1C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μ A) <u>7.4</u>	
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>					hTRIG5 rate <u>5366</u>	hTRIG6 rate <u>2499</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"/>					hTRIG5 rate	hTRIG6 rate	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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p(e,e'γ) p Run Sheet

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

Date: 24/05/08
yy mm dd

Initials: CUUW

Use a separate sheet for each configuration.

Kinematics: KinC_x 25-4

E_{beam}: 10.554 GeV

Raster: On Off
Size: 7x2 mm²

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

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:

HMS

SHMS

NPS

p: +0.4149 From GUI
θ(TV): 15.2 Nearest 0.005

θ(TV): 27.5 Nearest 0.005

θ = SHMS 11.2
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 4.88 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number: <u>5135</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.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>21:33</u> Stop time (from RC): <u>22:06</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>2.05 M</u> hTRIG5 rate: <u>5.3 K</u>	hTRIG3 rate: <u>11.2 K</u> hTRIG6 rate: <u>2.5 K</u>	hTRIG4 rate: <u>5.2 K</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>4/16 for LD2</u>	Events <u>4.3M</u> Charge <u>12.1 C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>7.61 (μA)</u>
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Run Number: <u>5136</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>22:07</u> Stop time (from RC): <u>22:38</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>2.04 M</u> hTRIG5 rate: <u>5.1 K</u>	hTRIG3 rate: <u>11.2 K</u> hTRIG6 rate: <u>2.4 K</u>	hTRIG4 rate: <u>5.2 K</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>5/16 for LD2</u>	Events <u>4.1M</u> Charge <u>11.6 C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>7.64 (μA)</u>
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Run Number: <u>5137</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>22:39</u> Stop time (from RC): <u>23:07</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>2.04 M</u> hTRIG5 rate: <u>5.2 K</u>	hTRIG3 rate: <u>11.2 K</u> hTRIG6 rate: <u>2.5 K</u>	hTRIG4 rate: <u>5.2 K</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>6/16 for LD2</u>	Events <u>4.14M</u> Charge <u>11.4 C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>7.48 (μA)</u>
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Run Number: <u>5138</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>23:09</u> Stop time (from RC): <u>23:40</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>2.03 M</u> hTRIG5 rate: <u>5.0 K</u>	hTRIG3 rate: <u>11.2 K</u> hTRIG6 rate: <u>2.4 K</u>	hTRIG4 rate: <u>5.15 K</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>7/16 for LD2</u>	Events <u>4.2M</u> Charge <u>11.9 C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>7.48 (μA)</u>
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p(e,e' γ) p Run Sheet

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

Date: 24 / 03 / 08
 yy mm dd

Initials: DUM

Use a separate sheet for each configuration.

Kinematics: KinC_x 25.4

E_{beam}: 10.554 GeV

Raster: On Off
 Size: 2x2 mm²

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

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:

HMS
 p: +0.149 θ (TV): 15.2
From GUI Nearest 0.005

SHMS
 θ (TV): 27.5
Nearest 0.005

NPS
 θ = SHMS 11.2
-16.30° Nearest 0.005

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>5139</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm	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>23:41</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.1 M</u>	hTRIG3 rate <u>11.3 K</u>	hTRIG4 rate <u>5.2 K</u>
I _{beam} : <u>7 μA</u>	<input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.		Stop time (from RC): <u>00:15:30</u>		hTRIG5 rate <u>5.4 K</u>	hTRIG6 rate <u>2.5 K</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse
 coin
 coin_sparse_low
 Comments: 8/16 for LD2
 Events 4 M Charge C
 Active trigger LiveTime fraction (NPS Scaler Gui) 60%
 Max NPS anode current (single crystal) 7.53 μ A

Run Number: <u>5140</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm	PS1: <u>/</u> PS2: <u>/</u> PS3: <u>/</u> PS4: <u>/</u> PS5: <u>/</u> PS6: <u>0</u>	Start time (from RC): <u>00:16:30</u>	<input checked="" 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>11233</u>	hTRIG4 rate <u>5228</u>
I _{beam} : <u>7 μA</u>	<input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.		Stop time (from RC): <u>00:47:21</u>		hTRIG5 rate <u>5318</u>	hTRIG6 rate <u>2470</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse
 coin
 coin_sparse_low
 Comments: 9/16
 Events 4.1 M Charge C
 Active trigger LiveTime fraction (NPS Scaler Gui) 99.78%
 Max NPS anode current (single crystal) 7.54 μ A

Run Number: <u>5141</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm	PS1: <u>/</u> PS2: <u>/</u> PS3: <u>/</u> PS4: <u>/</u> PS5: <u>/</u> PS6: <u>0</u>	Start time (from RC): <u>00:48:23</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.03x10⁶</u>	hTRIG3 rate <u>11236</u>	hTRIG4 rate <u>5057</u>
I _{beam} : <u>7 μA</u>	<input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.		Stop time (from RC): <u>1:21:08</u>		hTRIG5 rate <u>5108</u>	hTRIG6 rate <u>2364</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse
 coin
 coin_sparse_low
 Comments: 10/16
 Events 4.2 M Charge C
 Active trigger LiveTime fraction (NPS Scaler Gui) 99.68%
 Max NPS anode current (single crystal) 7.43 μ A

Run Number: <u>5142</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm	PS1: <u>/</u> PS2: <u>/</u> PS3: <u>/</u> PS4: <u>/</u> PS5: <u>/</u> PS6: <u>0</u>	Start time (from RC): <u>1:22:07</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.03x10⁶</u>	hTRIG3 rate <u>11296</u>	hTRIG4 rate <u>5239</u>
I _{beam} : <u>7 μA</u>	<input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.		Stop time (from RC): <u>1:50:59</u>		hTRIG5 rate <u>5266</u>	hTRIG6 rate <u>2443</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse
 coin
 coin_sparse_low
 Comments: 11/16 CODA booted at the end.
 Events 4 M Charge C
 Active trigger LiveTime fraction (NPS Scaler Gui) 99.734%
 Max NPS anode current (single crystal) 7.52 μ A

p(e,e' γ) p Run Sheet

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

Date: 24/3/9
yy mm dd

Initials: AS

Use a separate sheet for each configuration.

Kinematics: KinC_x 25-4

E_{beam}: 10.537 GeV

Raster: On Off
Size: 2 X 2 mm

Purpose:
 Production
 Test
 Optics
 Other: _____

HMS, field,
current OK?

yes no

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:

HMS
p: \oplus 4.149 θ (TV): 15-20
From GUI Nearest 0.005

SHMS
 θ (TV): 27.50
Nearest 0.005

NPS
 θ = SHMS
-16.30°
Nearest 0.005

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>5143</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>1:53:11</u> Stop time (from RC): <u>2:24:24</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.99 x 10⁶</u> hTRIG5 rate <u>5033</u>	hTRIG3 rate <u>10936</u> hTRIG6 rate <u>2313</u>	hTRIG4 rate <u>5060</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>12/16</u>	Events <u>4.1M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.707%</u>	Max NPS anode current (single crystal) <u>7.45</u> (μ A)
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Run Number: <u>5144</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>2:25:31</u> Stop time (from RC): <u>2:55:54</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.02 x 10⁶</u> hTRIG5 rate <u>5213</u>	hTRIG3 rate <u>11107</u> hTRIG6 rate <u>2432</u>	hTRIG4 rate <u>5111</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>13/16</u>	Events <u>4M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.7%</u>	Max NPS anode current (single crystal) <u>7.64</u> (μ A)
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Run Number: <u>5145</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>2:56:59</u> Stop time (from RC): <u>3:27:23</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.98 x 10⁶</u> hTRIG5 rate <u>4874</u>	hTRIG3 rate <u>10919</u> hTRIG6 rate <u>2265</u>	hTRIG4 rate <u>5063</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>14/16</u>	Events <u>4.2M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.802%</u>	Max NPS anode current (single crystal) <u>7.30</u> (μ A)
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Run Number: <u>5146</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>3:28:25</u> Stop time (from RC): <u>4:00:38</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.96 x 10⁶</u> hTRIG5 rate <u>5109</u>	hTRIG3 rate <u>10675</u> hTRIG6 rate <u>2365</u>	hTRIG4 rate <u>4925</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>15/16</u>	Events <u>4.1M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.834%</u>	Max NPS anode current (single crystal) <u>7.54</u> (μ A)
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p(e,e' γ) p Run Sheet

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

Date: 24/3/9
yy mm dd

Initials: AS

Use a separate sheet for each configuration.

Kinematics: KinC_x 25-4

E_{beam}: 10.537 GeV

Raster: On Off
Size: 2x2 mm

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

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:

HMS

SHMS

NPS

p: +04.149 θ (TV): 15-20
From GUI Nearest 0.005

θ (TV): 27-50
Nearest 0.005

θ = SHMS -16.30°
Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 468 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number:

5147

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

PS1: /
PS2: /
PS3: /
PS4: /
PS5: /
PS6: 0

Start time (from RC): 4:01:38

Stop time (from RC): 4:33:05

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

hTRIG1 rate 2.02 x 10⁶

hTRIG3 rate 11266

hTRIG4 rate 5233

hTRIG5 rate 5392

hTRIG6 rate 2445

- Data ok
- Junk

coin_sparse
coin
coin_sparse_low

Comments: 16/16

Events 4.2M
Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.823%

Max NPS anode current (single crystal) 7.72 (μ A)

Run Number:

5148

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

PS1: /
PS2: /
PS3: /
PS4: /
PS5: /
PS6: 0

Start time (from RC): 4:34:04

Stop time (from RC): 5:05:24

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

hTRIG1 rate 1.98 x 10⁶

hTRIG3 rate 10760

hTRIG4 rate 5013

hTRIG5 rate 5071

hTRIG6 rate 2371

- Data ok
- Junk

coin_sparse
coin
coin_sparse_low

Comments: #
1 extra due to CODA crash at 5142

Events 4.2M
Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.799%

Max NPS anode current (single crystal) 7.29 (μ A)

Run Number:

5149

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

PS1: /
PS2: /
PS3: /
PS4: /
PS5: /
PS6: 0

Start time (from RC): 5:08:24

Stop time (from RC): 5:29:21

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

hTRIG1 rate 1.54 x 10⁶

hTRIG3 rate 7867

hTRIG4 rate 3710

hTRIG5 rate 2796

hTRIG6 rate 1287

- Data ok
- Junk

coin_sparse
coin
coin_sparse_low

Comments:

Events 1.6M
Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.962%

Max NPS anode current (single crystal) 5.58 (μ A)

Run Number:

5150

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

PS1: /
PS2: /
PS3: /
PS4: /
PS5: /
PS6: 0

Start time (from RC): 5:31:41

Stop time (from RC): 6:03:24

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

hTRIG1 rate 1.26 x 10⁶

hTRIG3 rate 6441

hTRIG4 rate 2956

hTRIG5 rate 1805

hTRIG6 rate 877

- Data ok
- Junk

coin_sparse
coin
coin_sparse_low

Comments:

Events 1.5M
Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.942%

Max NPS anode current (single crystal) 5.68 (μ A)

p(e,e' γ) p Run Sheet

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

Date 24 / 3 / 9
 yy mm dd

Initials: AS

Use a separate sheet for each configuration.

Kinematics: KinC_x_25-4

E_{beam}: 10537 GeV

Raster: On Off
 Size: _____

Purpose:
 Production
 Test
 Optics
 Other: _____

HMS, field, current OK?
 yes no

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:

HMS
 p: +04.149 θ (TV): 15.20
From GUI Nearest 0.005

SHMS
 θ (TV): 27.50
Nearest 0.005

NPS
 θ = SHMS -16.30°
Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 468 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number: 5151 LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.l
 I_{beam}: 7 μ A
 PS1: / PS2: / PS3: / PS4: 3 PS5: / PS6: /
 Start time (from RC): 6:05:43 Stop time (from RC): 6:25:59
 Settings Verified? HV OK? 50k OK?
 hTRIG1 rate: 2.02x10⁶ hTRIG3 rate: 11042 hTRIG4 rate: 5094
 hTRIG5 rate: 5153 hTRIG6 rate: 2402
 Data ok Junk

coin_sparse coin coin_sparse_low
 Comments: ~~Data rate ~ 500 MB/s~~
 Events 1.2M Charge C Active trigger LiveTime fraction (NPS Scaler Gui) 99.956% Max NPS anode current (single crystal) 6.92 (μ A)

Run Number: 5152 LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.l
 I_{beam}: 7 μ A
 PS1: / PS2: / PS3: / PS4: / PS5: / PS6: 0
 Start time (from RC): 6:28:39 Stop time (from RC): 6:39:13
 Settings Verified? HV OK? 50k OK?
 hTRIG1 rate: hTRIG3 rate: hTRIG4 rate:
 hTRIG5 rate: hTRIG6 rate: Data ok Junk

coin_sparse coin coin_sparse_low
 Comments: Data rate ~ 500 MB/s
 Events _____ Charge C Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ (μ A)

Run Number: 5153 LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.l
 I_{beam}: 7 μ A
 PS1: / PS2: / PS3: / PS4: / PS5: 3 PS6: /
 Start time (from RC): 6:41:11 Stop time (from RC): 6:57:34
 Settings Verified? HV OK? 50k OK?
 hTRIG1 rate: 1.99x10⁶ hTRIG3 rate: 10863 hTRIG4 rate: 5016
 hTRIG5 rate: 4942 hTRIG6 rate: 2325
 Data ok Junk

coin_sparse coin coin_sparse_low
 Comments: PS6 presented to 3. Data rate ~ 125 MB/s.
 Events 0.33M Charge C Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 7.00 (μ A)

Run Number: 5154 LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.l
 I_{beam}: 14 μ A
 PS1: / PS2: / PS3: / PS4: / PS5: / PS6: 0
 Start time (from RC): 7:06:06 Stop time (from RC): 7:36:35
 Settings Verified? HV OK? 50k OK?
 hTRIG1 rate: 1.55x10⁶ hTRIG3 rate: 6835 hTRIG4 rate: 3549
 hTRIG5 rate: 2329 hTRIG6 rate: 1244
 Data ok Junk

coin_sparse coin coin_sparse_low
 Comments: 1/8
 Events 2.12M Charge C Active trigger LiveTime fraction (NPS Scaler Gui) 99.98% Max NPS anode current (single crystal) 8.79 (μ A)

p(e,e' γ) p Run Sheet

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

Date: 24/3/9
yy mm dd

Initials: AS

Use a separate sheet for each configuration.

Kinematics: KinC_x25-4

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

E_{beam}: 10.537 GeV

Raster: On Off
Size: _____

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:		

HMS

SHMS

NPS

p: +04.149 From GUI θ (TV): 15.20 Nearest 0.005

θ (TV): 27.50 Nearest 0.005

θ = SHMS -16.30° Nearest 0.005

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>5155</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: / PS2: / PS3: / PS4: / PS5: / PS6: <u>0</u>	Start time (from RC): <u>7:37:34</u> Stop time (from RC): <u>8:11:28</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 10⁶</u> hTRIG5 rate: <u>2344</u>	hTRIG3 rate: <u>6992</u> hTRIG6 rate: <u>1222</u>	hTRIG4 rate: <u>3528</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>2/8</u>	Events <u>2.5M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>99.793%</u>	Max NPS anode current (single crystal) (μ A): <u>8.88</u>
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Run Number: <u>5156</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 <input checked="" type="checkbox"/> Optics 3cm	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>9:25:53</u> Stop time (from RC): <u>9:45:38</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>305 x 10⁵</u> hTRIG5 rate: <u>42.2</u>	hTRIG3 rate: <u>79.2</u> hTRIG6 rate: <u>40.2</u>	hTRIG4 rate: <u>52.9</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>HMS collimator = Sieve stopped @ 20 min cause HCE took beam away</u>	Events <u>57.6k</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100%</u>	Max NPS anode current (single crystal) (μ A): <u>5.64</u>
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Run Number: <u>5157</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 <input checked="" type="checkbox"/> Optics 3cm	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>10:06:07</u> Stop time (from RC): <u>10:21:24</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate: <u>313 000</u> hTRIG5 rate: <u>42.5</u>	hTRIG3 rate: <u>79.2</u> hTRIG6 rate: <u>41</u>	hTRIG4 rate: <u>48.7</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>Remaining 15 min of 5156</u>	Events <u>46.7k</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100%</u>	Max NPS anode current (single crystal) (μ A): <u>5.6</u>
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Run Number: <u>5158</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 <input checked="" type="checkbox"/> Optics 3cm	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>10:45:52</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>310 000</u> hTRIG5 rate: <u>42.2</u>	hTRIG3 rate: <u>73.9</u> hTRIG6 rate: <u>41.5</u>	hTRIG4 rate: <u>52.9</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>More stats for Optics 3cm</u>	Events <u>25.9k</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100%</u>	Max NPS anode current (single crystal) (μ A): <u>5.47</u>
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p(e,e'γ) p Run Sheet

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

Date: 24/3/9
yy mm dd

Initials: TD

Use a separate sheet for each configuration.

Kinematics: KinC_x25-4

E_{beam}: 10.588 GeV

Raster: On Off
Size: 2x2

Purpose:

- Production
 Test
 Optics
 Other: _____

HMS, field, current OK?

yes no

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): 15.2
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 = 468 Amp NPS Upstream Corr. I = _____ Amp NPS Upstream Corr. I = _____ Amp

Run Number: <u>5159</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 <input checked="" type="checkbox"/> Optics #3cm	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>16:16:18</u> Stop time (from RC): <u>16:32:27</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate hTRIG3 rate hTRIG4 rate	hTRIG5 rate hTRIG6 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>MCC is working on the beam (> 20mA)</u>	Events <u>4068</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)
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Run Number: <u>5160</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 <input checked="" type="checkbox"/> Optics #3cm	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>0</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): <u>16:56:07</u> Stop time (from RC): <u>17:31:18</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>3.2/e5</u> hTRIG3 rate <u>76.2</u> hTRIG4 rate <u>52.4</u>	hTRIG5 rate <u>43</u> hTRIG6 rate <u>41</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments:	Events <u>106340</u> Charge <u>52.78mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μA) <u>1</u>
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Run Number: <u>5161</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 <input checked="" type="checkbox"/> Optics #3cm	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>0</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): <u>17:37:54</u> Stop time (from RC): <u>18:13:18</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>3.07e5</u> hTRIG3 rate <u>82</u> hTRIG4 rate <u>53</u>	hTRIG5 rate <u>42</u> hTRIG6 rate <u>40</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments:	Events <u>106976</u> Charge <u>52.95mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μA) <u>1</u>
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Run Number: <u>5162</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 <input checked="" type="checkbox"/> Optics #3cm	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>0</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): <u>18:23:13</u> Stop time (from RC): <u>19:44:10</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6.6e5</u> hTRIG3 rate <u>114</u> hTRIG4 rate <u>61</u>	hTRIG5 rate <u>49</u> hTRIG6 rate <u>44</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments:	Events <u>255802</u> Charge <u>82.9mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μA) <u>3</u>
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$p(e,e'\gamma) p$ Run Sheet

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

Use a separate sheet for each configuration.

Date: 24/03/09
yy mm dd

Initials: YZ

Kinematics: KinC_x

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?
yes no

E_{beam} : 10.538 GeV

Raster: On Off
Size: 2x2 mm

Beam position and angle on target:

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

HMS
p: +/- _____ θ (TV): 15.2
From GUI Nearest 0.005

SHMS
 θ (TV): 27.5
Nearest 0.005

NPS
 θ = SHMS
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 467.93 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number: 5163	<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 checked="" type="checkbox"/> Optics #8cm	PS1: - PS2: - PS3: - PS4: 0 PS5: - PS6: -	Start time (from RC): 19:49:12 Stop time (from RC): 20:25:59	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: 3.06e5 hTRIG5 rate: 42	hTRIG3 rate: 81 hTRIG6 rate: 40	hTRIG4 rate: 52 <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I_{beam} : 30 μ A	Comments: p = -6.667		Events: 10993 Charge: 51.64 C	Active trigger LiveTime fraction (NPS Scaler Gui): 100%	Max NPS anode current (single crystal): 2 (μ A)		

Run Number: 5164	<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 checked="" type="checkbox"/> Optics #8cm	PS1: - PS2: - PS3: - PS4: 0 PS5: - PS6: -	Start time (from RC): 20:29:37 Stop time (from RC): 21:15:21	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate: 3.43e5 hTRIG5 rate: 43	hTRIG3 rate: 81 hTRIG6 rate: 40	hTRIG4 rate: 53 <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I_{beam} : 30 μ A	Comments: Sweeper Magnet off p = -6.667		Events: 13764 Charge: 66.72 C	Active trigger LiveTime fraction (NPS Scaler Gui): 100%	Max NPS anode current (single crystal): 4 (μ A)		

Run Number: 5165	<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 checked="" type="checkbox"/> Optics #8cm	PS1: - PS2: - PS3: - PS4: 0 PS5: - PS6: -	Start time (from RC): 21:43:33 Stop time (from RC): 22:28:51	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: 3.11e5 hTRIG5 rate: 45	hTRIG3 rate: 99 hTRIG6 rate: 42	hTRIG4 rate: 62 <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I_{beam} : 30 μ A	Comments: p = -6.117		Events: 16214 Charge: 68.18 C	Active trigger LiveTime fraction (NPS Scaler Gui): 100%	Max NPS anode current (single crystal): 1 (μ A)		

Run Number: 5166	<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 checked="" type="checkbox"/> Optics #8cm	PS1: - PS2: - PS3: - PS4: 0 PS5: - PS6: -	Start time (from RC): 22:33:52 Stop time (from RC): 23:17:04	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: 3.29e5 hTRIG5 rate: 44	hTRIG3 rate: 96 hTRIG6 rate: 41	hTRIG4 rate: 63 <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I_{beam} : 30 μ A	Comments: p = -6.117		Events: 15649 Charge: 67.48 C	Active trigger LiveTime fraction (NPS Scaler Gui): 100%	Max NPS anode current (single crystal): 2 (μ A)		

p(e,e' γ) p Run Sheet

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

Date: 24/03/09
yy/mm/dd

Initials: YZ

Use a separate sheet for each configuration.

Kinematics: KinC_x _____

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

E_{beam}: 10.538 GeV

Raster: On Off
Size: 2x2mm

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:

HMS
p: +0-6.11 From GUI
 θ (TV): 15.2 Nearest 0.005

SHMS
 θ (TV): 27.5 Nearest 0.005

NPS
 θ = SHMS
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 467.93 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number: 5167	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l	PS1: = PS2: = PS3: 0 PS4: = PS5: = PS6: =	Start time (from RC): 23:25:01 Stop time (from RC): 23:55:45	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: 6.8805 hTRIG5 rate: 57	hTRIG3 rate: 150 hTRIG6 rate: 47	hTRIG4 rate: 82 <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low

Comments: _____

Events: 148774 Charge: 50.29mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100%

Max NPS anode current (single crystal): 3 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	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: _____	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low

Comments: _____

Events: _____ Charge: _____ C

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	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: _____	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low

Comments: _____

Events: _____ Charge: _____ C

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	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: _____	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low

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: 24/03/00
yy mm dd

Initials: MN

Use a separate sheet for each configuration.

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

Kinematics: KinC_x _____

E_{beam}: 10.537 GeV

Raster: On Off
Size: _____

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:	

HMS

p: +0.5878 (TV): 15.20
From GUI Nearest 0.005

SHMS

(TV): 27.5
Nearest 0.005

NPS

θ = SHMS
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 467.93 Amp NPS Upstream Corr. I = _____ Amp NPS Upstream Corr. I = _____ Amp

Run Number: <u>5168</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>00:21</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6.68e5 Hz</u>	hTRIG3 rate <u>175 Hz</u>	hTRIG4 rate <u>84 Hz</u>
I _{beam} : <u>30</u> μ A			Stop time (from RC): <u>00:51</u>		hTRIG5 rate <u>60 Hz</u>	hTRIG6 rate <u>48 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:		Events <u>166 K</u> Charge <u>49 mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>5.87</u> (μ A)		

Run Number: <u>5169</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input checked="" 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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>01:00</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>3.18e5 Hz</u>	hTRIG3 rate <u>114 Hz</u>	hTRIG4 rate <u>67 Hz</u>
I _{beam} : <u>30</u> μ A			Stop time (from RC): <u>01:36</u>		hTRIG5 rate <u>45 Hz</u>	hTRIG6 rate <u>43 Hz</u>	<input 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>151 K</u> Charge <u>58 mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>5.95</u> (μ A)		

Run Number: <u>5170</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 checked="" type="checkbox"/> Optics 2	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>01:46</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>3.21e5 Hz</u>	hTRIG3 rate <u>105 Hz</u>	hTRIG4 rate
I _{beam} : <u>30</u> μ A			Stop time (from RC): <u>03:02</u>		hTRIG5 rate <u>45 Hz</u>	hTRIG6 rate <u>43 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: (Beam trip) <u>Day light Savings Run!!</u>		Events <u>52 K</u> Charge <u>13 mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>5.91</u> (μ A)		

Run Number: <u>5171</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 checked="" type="checkbox"/> Optics 2	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>03:38</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>3.27e5 Hz</u>	hTRIG3 rate <u>115 Hz</u>	hTRIG4 rate <u>72 Hz</u>
I _{beam} : <u>30</u> μ A			Stop time (from RC): <u>04:07</u>		hTRIG5 rate <u>47 Hz</u>	hTRIG6 rate <u>42 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:		Events <u>110</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>5.93</u> (μ A)		

p(e,e' γ) p Run Sheet

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

Date: 24 / 03 / 10
yy mm dd

Initials: MM

Use a separate sheet for each configuration.

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

Kinematics: KinC_x

E_{beam}: 10.539 GeV

Raster: On Off
Size: _____

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:

HMS
p: +0.5639 (TV): 15.20
From GUI Nearest 0.005

SHMS
(TV): 27.5
Nearest 0.005

NPS
 θ = SHMS -16.30°
Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 467.9 Amp NPS Upstream Corr. I = _____ Amp NPS Upstream Corr. I = _____ Amp

Run Number: <u>5172</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 checked="" type="checkbox"/> <u>optics #2</u>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>04:25</u> Stop time (from RC): <u>04:55</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>3.25e5 Hz</u>	hTRIG3 rate: <u>118 Hz</u>	hTRIG4 rate: <u>75 Hz</u>
I _{beam} : <u>30</u> μ A	Comments: _____			Events <u>138K</u> Charge <u>5.3 MC</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100%</u>	Max NPS anode current (single crystal): <u>5.65</u> (μ A)	
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk						

Run Number: <u>5173</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input checked="" 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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>05:01</u> Stop time (from RC): <u>05:31</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>3.15e5 Hz</u>	hTRIG3 rate: <u>139 Hz</u>	hTRIG4 rate: <u>78 Hz</u>
I _{beam} : <u>30</u> μ A	Comments: _____			Events <u>135K</u> Charge <u>5.0 MC</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100%</u>	Max NPS anode current (single crystal): <u>5.21</u> (μ A)	
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk						

Run Number: <u>5174</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input checked="" 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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>05:37</u> Stop time (from RC): <u>06:07</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>6.82e5 Hz</u>	hTRIG3 rate: <u>207 Hz</u>	hTRIG4 rate: <u>114 Hz</u>
I _{beam} : <u>30</u> μ A	Comments: _____			Events <u>194</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui): _____	Max NPS anode current (single crystal): <u>5.59</u> (μ A)	
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk						

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.	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: _____
I _{beam} : _____ μ A	Comments: _____			Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui): _____	Max NPS anode current (single crystal): _____ (μ A)	
coin_sparse <input type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk						

p(e,e' γ) p Run Sheet

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

Date: 24/03/10
yy mm dd

Initials: MW

Use a separate sheet for each configuration.

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

Kinematics: KinC_x _____

E_{beam}: 10.53 GeV

Raster: On Off
Size: _____

Beam position and angle on target:

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

HMS
p: +0.639 α (TV): 15.20
From GUI Nearest 0.005

SHMS
 α (TV): 27.5
Nearest 0.005

NPS
 θ = SHMS
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = ~~off~~ Amp NPS Upstream Corr. I = ~~off~~ Amp NPS Upstream Corr. I = ~~off~~ Amp

Run Number: 5175	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: -1 PS2: 7 PS3: 7 PS4: 0 PS5: 7 PS6: 7	Start time (from RC): 06:11	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 8.65 Hz	hTRIG3 rate 217 Hz	hTRIG4 rate 113 Hz
I _{beam} : 30 μ A			Stop time (from RC):		hTRIG5 rate 69 Hz	hTRIG6 rate 53 Hz	<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: Sweep Magnet off	Events 85 K Charge C	Active trigger LiveTime fraction (NPS Scaler Gui) 100%	Max NPS anode current (single crystal) 7.71 (μ A)
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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. <input type="checkbox"/>	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	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
I _{beam} : _____ μ A			Stop time (from RC):		hTRIG5 rate	hTRIG6 rate	<input 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 _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
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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. <input type="checkbox"/>	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	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
I _{beam} : _____ μ A			Stop time (from RC):		hTRIG5 rate	hTRIG6 rate	<input 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 _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
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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. <input type="checkbox"/>	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	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
I _{beam} : _____ μ A			Stop time (from RC):		hTRIG5 rate	hTRIG6 rate	<input 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 _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (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: 21/03/10
yy mm dd

Initials: MM

Use a separate sheet for each configuration.

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

Kinematics: KinC_x 25-4

E_{beam} : 10.538 GeV

Raster: On Off
Size: _____

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:

HMS

p: +0.4149 θ (TV): 15.2
From GUI Nearest 0.005

SHMS

θ (TV): 27.50
Nearest 0.005

NPS

θ = SHMS
-16.30° Nearest 0.005

Collimator:

HMS: Large Sieve

NPS Sweep Magnet $I =$ 467.9 Amp

NPS Upstream Corr. $I =$ _____ Amp

NPS Upstream Corr. $I =$ _____ Amp

Run Number:

5176

- 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):

07:08

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

1600 kHz

hTRIG3 rate

7.06 kHz

hTRIG4 rate

3.46 kHz

I_{beam} : 14 μ A

hTRIG5 rate

2.56 kHz

hTRIG6 rate

1.3 kHz

Data ok

Junk

coin_sparse
coin
coin_sparse_low

Comments: Data base not updated Raw peaks OK but not reconstruction quantity

Events 2.2M
Charge 21 MC

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 9.4 (μ A)

Run Number:

5177

- 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):

07:39

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

1601 kHz

hTRIG3 rate

6.95 kHz

hTRIG4 rate

3.55 kHz

I_{beam} : 14 μ A

hTRIG5 rate

2.49 kHz

hTRIG6 rate

1.34 kHz

Data ok

Junk

coin_sparse
coin
coin_sparse_low

Comments: "

Events 2.15M
Charge C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 9.33 (μ A)

Run Number:

5178

- 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):

8:13

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

1.58 MHz

hTRIG3 rate

6872

hTRIG4 rate

3482

I_{beam} : 14 μ A

hTRIG5 rate

2447

hTRIG6 rate

1315

Data ok

Junk

coin_sparse
coin
coin_sparse_low

Comments: "

Events 2.34M
Charge C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 8.94 (μ A)

Run Number:

5179

- 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):

8:46

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

1.59 MHz

hTRIG3 rate

6873

hTRIG4 rate

3563

I_{beam} : 14 μ A

hTRIG5 rate

2519

hTRIG6 rate

1335

Data ok

Junk

coin_sparse
coin
coin_sparse_low

Comments: "

Events _____
Charge C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 9.32 (μ A)

p(e,e' γ) p Run Sheet

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

Date: 24/3/10
 yy mm dd

Initials: MD

Use a separate sheet for each configuration.

Kinematics: KinC_x 25-4

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

E_{beam}: 10.537 GeV

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:

HMS

p: +04149 θ (TV): 15.2
From GUI Nearest 0.005

SHMS

θ (TV): -26.5
Nearest 0.005

NPS

θ = SHMS
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 1.68 Amp NPS Upstream Corr. I = Amp NPS Upstream Corr. I = Amp

Run Number:

5180

- 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):

9:25

Stop time (from RC):

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

hTRIG1 rate

1.6 MHz

hTRIG3 rate

6975

hTRIG4 rate

3553

hTRIG5 rate

2548

hTRIG6 rate

1352

Data ok

Junk

coin_sparse
 coin
 coin_sparse_low

Comments: Data Base issues for replace Raw plots OK but not recon quantities

Events
 Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.67%

Max NPS anode current (single crystal) 9 (μ A)

Run Number:

5181

- 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):

9:58

Stop time (from RC):

10:28

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

hTRIG1 rate

1.6 MHz

hTRIG3 rate

6975

hTRIG4 rate

3553

hTRIG5 rate

2548

hTRIG6 rate

1352

Data ok

Junk

coin_sparse
 coin
 coin_sparse_low

Comments: ''

Events 201
 Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.1%

Max NPS anode current (single crystal) 9.15 (μ A)

Run Number:

5182

- 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):

10:30

Stop time (from RC):

11:01

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

hTRIG1 rate

1.58 MHz

hTRIG3 rate

6853

hTRIG4 rate

3598

hTRIG5 rate

2452

hTRIG6 rate

1323

Data ok

Junk

coin_sparse
 coin
 coin_sparse_low

Comments: ''

Events 231
 Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.3%

Max NPS anode current (single crystal) 9.2 (μ A)

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

Data ok

Junk

coin_sparse
 coin
 coin_sparse_low

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: 24/3/10
yy mm dd

Initials: ND

Use a separate sheet for each configuration.

Purpose:
 Production
 Test
 Optics
 Other: Elastic

HMS, field, current OK?
 yes no

Kinematics: KinC_x
Elastic Spars

E_{beam}: 10.537 GeV

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:

HMS
 p: 4.31 From GUI
 θ (TV): 26.87 Nearest 0.005

SHMS
 θ (TV): -31.87 Nearest 0.005

NPS
 θ = SHMS
-16.30 Nearest 0.005

Collimator: HMS: Large Sieve
 NPS Sweep Magnet I = 0 Amp
 NPS Upstream Corr. I = 0 Amp
 NPS Upstream Corr. I = 0 Amp

Run Number: <u>5183</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>13:39</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.8</u> ⁵	hTRIG3 rate <u>122</u>	hTRIG4 rate <u>43.2</u>
I _{beam} : <u>30</u> μ A			Stop time (from RC): <u>14:10</u>		hTRIG5 rate <u>50</u>	hTRIG6 rate <u>42</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>$\theta_{SHMS} = 31.685$</u>		Events <u>312</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>6.09</u> (μ A)		

Run Number: <u>5184</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>14:11</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>184000</u>	hTRIG3 rate <u>133</u>	hTRIG4 rate <u>44.4</u>
I _{beam} : <u>30</u> μ A			Stop time (from RC): <u>14:50</u>		hTRIG5 rate <u>48.7</u>	hTRIG6 rate <u>40.7</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>$\theta_{SHMS} = 31.685$</u>		Events <u>882</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>5.78</u> (μ A)		

Run Number: <u>5185</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>14:52</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>126000</u>	hTRIG3 rate <u>122</u>	hTRIG4 rate <u>45.9</u>
I _{beam} : <u>30</u> μ A			Stop time (from RC): <u>15:23</u>		hTRIG5 rate <u>48.2</u>	hTRIG6 rate <u>41.2</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>$\theta_{SHMS} = 33.170$</u>		Events <u>852</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>6.21</u> (μ A)		

Run Number: <u>5186</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>15:24</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>129000</u>	hTRIG3 rate <u>129.6</u>	hTRIG4 rate <u>43.9</u>
I _{beam} : <u>30</u> μ A			Stop time (from RC): <u>15:55</u>		hTRIG5 rate <u>47.4</u>	hTRIG6 rate <u>42.5</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>$\theta_{SHMS} = 33.170$</u>		Events <u>882</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>5.93</u> (μ A)		

p(e,e' γ) p Run Sheet

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

Date: 24/3/10
yy mm dd

Initials: MD

Use a separate sheet for each configuration.

Purpose:

- Production
- Test
- Optics
- Other: Elastic

HMS, field, current OK?

yes no

Kinematics: KinC_x

Elastic 5-pass

E_{beam}: _____ GeV

Raster: On Off
Size: 2 x 2

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:	

HMS

p: 4.31 (TV): 98.67
From GUI Nearest 0.005

SHMS

(TV): 34.47
Nearest 0.005

NPS

$\theta =$ SHMS -16.30°
Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 0 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number: <u>5187</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>1610</u> Stop time (from RC): <u>1650</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>87604</u> hTRIG5 rate: <u>47</u>	hTRIG3 rate: <u>135</u> hTRIG6 rate: <u>41</u>	hTRIG4 rate: <u>45</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>30 μA</u>	Comments: <u>$\theta_{SHMS} = 34.470^\circ$</u>		Events: <u>100k</u> Charge: <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100%</u>	Max NPS anode current (single crystal) (μ A)		

Run Number: <u>5188</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>1657</u> Stop time (from RC): <u>1729</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1882105</u> hTRIG5 rate: <u>464</u>	hTRIG3 rate: <u>130</u> hTRIG6 rate: <u>41</u>	hTRIG4 rate: <u>44</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>30 μA</u>	Comments: <u>$\theta_{SHMS} = 34.470^\circ$</u>		Events: <u>90k</u> Charge: <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100%</u>	Max NPS anode current (single crystal) (μ A): <u>6.32</u>		

Run Number: <u>5189</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>1739</u> Stop time (from RC): <u>1808</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.88e+05</u> hTRIG5 rate: <u>46.4</u>	hTRIG3 rate: <u>130</u> hTRIG6 rate: <u>41</u>	hTRIG4 rate: <u>44</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>30 μA</u>	Comments: <u>$\theta_{SHMS} = 31.86(6.41)$</u>		Events: <u>83k</u> Charge: <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100%</u>	Max NPS anode current (single crystal) (μ A): <u>6.32</u>		

Run Number: <u>5190</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>1809</u> Stop time (from RC): <u>1838</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.9e+05</u> hTRIG5 rate: <u>49</u>	hTRIG3 rate: <u>136</u> hTRIG6 rate: <u>40</u>	hTRIG4 rate: <u>43</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>30 μA</u>	Comments: <u>$\theta_{SHMS} = 31.86$</u>		Events: <u>84k</u> Charge: <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100%</u>	Max NPS anode current (single crystal) (μ A): <u>6.04</u>		

p(e,e' γ) p Run Sheet

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

Date: 24/03/10
yy mm dd

Initials: AS

Use a separate sheet for each configuration.

Purpose:

- Production
- Test
- Optics
- Other: Elastic

HMS, field,
current OK?

yes no

Kinematics: KinC_x
Elastic 5-pass

E_{beam}: _____ GeV

Raster: On Off
Size: 2 x 2

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:

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

SHMS
 θ (TV): _____
Nearest 0.005

NPS
 θ = SHMS
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 0 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number: <u>5191</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>1846</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.28e+05</u>	hTRIG3 rate <u>133</u>	hTRIG4 rate <u>44</u>
I _{beam} : <u>30</u> μ A	Comments: <u>$\theta_{SHMS} = 33.17$</u>		Stop time (from RC): <u>1910</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk	hTRIG5 rate <u>47</u>	hTRIG6 rate <u>40</u>	Max NPS anode current (single crystal) <u>6.21</u> (μ A)
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Events <u>625K</u> Charge <u>C</u>		Active trigger LiveTime fraction (NPS Scaler Gui) <u>6.21</u>				

Run Number: <u>5192</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>2106</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.29e+05</u>	hTRIG3 rate <u>135</u>	hTRIG4 rate <u>45</u>
I _{beam} : <u>30</u> μ A	Comments: <u>$\theta_{SHMS} = 33.17$</u>		Stop time (from RC): <u>2138</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk	hTRIG5 rate <u>48</u>	hTRIG6 rate <u>40</u>	Max NPS anode current (single crystal) <u>6.16</u> (μ A)
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Events <u>89K</u> Charge <u>C</u>		Active trigger LiveTime fraction (NPS Scaler Gui) <u>6.16</u>				

Run Number: <u>5193</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>2140</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.29e+05</u>	hTRIG3 rate <u>125</u>	hTRIG4 rate <u>43</u>
I _{beam} : <u>30</u> μ A	Comments: <u>$\theta_{SHMS} = 33.17$</u>		Stop time (from RC): <u>2212</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk	hTRIG5 rate <u>48</u>	hTRIG6 rate <u>41</u>	Max NPS anode current (single crystal) <u>6.01</u> (μ A)
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Events <u>905K</u> Charge <u>C</u>		Active trigger LiveTime fraction (NPS Scaler Gui) <u>6.01</u>				

Run Number: <u>5194</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>0</u> PS6: <u>-1</u>	Start time (from RC):	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>88841</u>	hTRIG3 rate <u>136</u>	hTRIG4 rate <u>44</u>
I _{beam} : <u>30</u> μ A	Comments: <u>$\theta_{SHMS} = 34.47$</u>		Stop time (from RC):	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk	hTRIG5 rate <u>47</u>	hTRIG6 rate <u>40</u>	Max NPS anode current (single crystal) <u>6.01</u> (μ A)
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Events <u>90K</u> Charge <u>C</u>		Active trigger LiveTime fraction (NPS Scaler Gui)				

p(e,e'γ) p Run Sheet

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

Date: 24/03/10
yy mm dd

Initials: AS

Use a separate sheet for each configuration.

Purpose:

- Production
- Test
- Optics
- Other: Elastic

HMS, field, current OK?

yes no

Kinematics: KinC_x

Elastic 5-pans

E_{beam}: _____ GeV

Raster: On Off
Size: 2x2

Beam position and angle on target:

3H07A	X	Y
1.7 mm		0.3 mm
Nomin:		Nomin:
3H07C	X	Y
0.7 mm		0.3 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 = 0 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number: <u>5195</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>2 25 2</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>88779</u>	hTRIG3 rate <u>130</u>	hTRIG4 rate <u>45</u>
I _{beam} : <u>30</u> μA	Stop time (from RC): <u>2 32 3</u>			<input type="checkbox"/> Data ok <input type="checkbox"/> Junk	hTRIG5 rate <u>43</u>	hTRIG6 rate <u>41</u>	
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>θ_{SHMS} = 34.47</u>			Events <u>89k</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>5.92</u> (μA)	

Run Number: <u>5196</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>2 33 3</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.43e+05</u>	hTRIG3 rate <u>137</u>	hTRIG4 rate <u>46</u>
I _{beam} : <u>30</u> μA	Stop time (from RC): <u>00:05</u>			<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk	hTRIG5 rate <u>47</u>	hTRIG6 rate <u>41</u>	
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>θ_{SHMS} = 31.805</u>			Events <u>91k</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>5.85</u> (μA)	

Run Number: <u>5197</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>00:00 00:07</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.45e+05</u>	hTRIG3 rate <u>127</u>	hTRIG4 rate <u>43</u>
I _{beam} : <u>30</u> μA	Stop time (from RC): <u>00:37</u>			<input type="checkbox"/> Data ok <input type="checkbox"/> Junk	hTRIG5 rate <u>49</u>	hTRIG6 rate <u>41</u>	
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>θ_{SHMS} = 31.850</u>			Events <u>87k</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>6.11</u> (μA)	

Run Number: <u>5198</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>00:42</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.28e+05</u>	hTRIG3 rate <u>125</u>	hTRIG4 rate <u>44</u>
I _{beam} : <u>30</u> μA	Stop time (from RC): <u>01:13</u>			<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk	hTRIG5 rate <u>48</u>	hTRIG6 rate <u>40</u>	
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>θ_{SHMS} = 33.155</u>			Events <u>86k</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>5.99</u> (μA)	

p(e,e' γ) p Run Sheet

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

Date: 24/03/11
yy mm dd

Initials: EW

Use a separate sheet for each configuration.

- Purpose:**
- Production
 - Test
 - Optics
 - Other: Elastic

HMS, field, current OK?

yes no

Kinematics: KinC_x

E_{beam}: 10.539 eV

Raster: On Off
Size: 0.12

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:	

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

SHMS: θ (TV): _____
Nearest 0.005

NPS: θ = SHMS -16.30^o
Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 0 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number: <u>5199</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>01:14</u> Stop time (from RC): <u>01:44</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.28e+05</u> hTRIG5 rate: <u>50</u>	hTRIG3 rate: <u>126</u> hTRIG6 rate: <u>41</u>	hTRIG4 rate: <u>44</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>$\theta_{SHMS} = 33.155$</u>	Events <u>84k</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>5.49</u> (μ A)
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Run Number: <u>5200</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>01:50</u> Stop time (from RC): <u>02:22</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>85111</u> hTRIG5 rate: <u>45</u>	hTRIG3 rate: <u>126</u> hTRIG6 rate: <u>42</u>	hTRIG4 rate: <u>44</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>$\theta_{SHMS} = 34.470$</u>	Events <u>90k</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>5.49</u> (μ A)
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Run Number: <u>5201</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>02:23</u> Stop time (from RC): <u>02:55</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>86140</u> hTRIG5 rate: <u>46</u>	hTRIG3 rate: <u>132</u> hTRIG6 rate: <u>42</u>	hTRIG4 rate: <u>45</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>$\theta_{SHMS} = 34.470$</u>	Events <u>88k</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>5.86</u> (μ A)
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Run Number: <u>5202</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>03:01</u> Stop time (from RC): <u>03:44</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.73e+05</u> hTRIG5 rate: <u>47</u>	hTRIG3 rate: <u>131</u> hTRIG6 rate: <u>41</u>	hTRIG4 rate: <u>45</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>$\theta_{SHMS} = 31.8$</u>	Events <u>114k</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>6.08</u> (μ A)
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beam was down on tuning for 12 minutes

p(e,e' γ) p Run Sheet

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

Date: 24/03/11
yy mm dd

Initials: REW

Use a separate sheet for each configuration.

Purpose:

- Production
- Test
- Optics
- Other: Elastic

HMS, field, current OK?

yes no

Kinematics: KinC_x

E_{beam}: 10.538 GeV

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:	

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

SHMS
 θ (TV): _____
Nearest 0.005

NPS
 θ = SHMS
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 0 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number: <u>5203</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>03:45</u> Stop time (from RC): <u>04:16</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.93e+05</u> hTRIG5 rate: <u>47</u>	hTRIG3 rate: <u>131</u> hTRIG6 rate: <u>41</u>	hTRIG4 rate: <u>45</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>30</u> μ A	Comments: <u>$\theta_{SHMS} = 31.865$</u>		Events <u>90k</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>6.08</u> (μ A)		

Run Number: <u>5204</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>04:20</u> Stop time (from RC): <u>04:50</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.27e+05</u> hTRIG5 rate: <u>48</u>	hTRIG3 rate: <u>125</u> hTRIG6 rate: <u>41</u>	hTRIG4 rate: <u>43</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>30</u> μ A	Comments: <u>$\theta_{SHMS} = 33.17$</u>		Events <u>87k</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>5.93</u> (μ A)		

Run Number: <u>5205</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>04:51</u> Stop time (from RC): <u>05:21</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.30e+05</u> hTRIG5 rate: <u>48</u>	hTRIG3 rate: <u>127</u> hTRIG6 rate: <u>41</u>	hTRIG4 rate: <u>44</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>30</u> μ A	Comments: <u>$\theta_{SHMS} = 33.17$</u>		Events <u>86k</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>5.61</u> (μ A)		

Run Number: <u>5206</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>05:25</u> Stop time (from RC): <u>05:47</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>86007</u> hTRIG5 rate: <u>46</u>	hTRIG3 rate: <u>125</u> hTRIG6 rate: <u>42</u>	hTRIG4 rate: <u>45</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>30</u> μ A	Comments: <u>$\theta_{SHMS} = 34.470$</u>		Events <u>55k</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>5.53</u> (μ A)		

target temp issues ended early

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

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

Date: 24/03/11
 yy mm dd

Initials: EW

Use a separate sheet for each configuration.

Kinematics: KinC_x

Purpose:

- Production
- Test
- Optics
- Other: Electras

HMS, field, current OK?
 yes no

E_{beam} : 10.537 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>0.7</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 $I =$ 0 Amp NPS Upstream Corr. $I =$ 0 Amp NPS Upstream Corr. $I =$ 0 Amp

Run Number: <u>5207</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>05:53</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>84610</u>	hTRIG3 rate <u>127</u>	hTRIG4 rate <u>42</u>
I_{beam} : <u>30</u> μ A			Stop time (from RC): <u>06:30</u>		hTRIG5 rate <u>46</u>	hTRIG6 rate <u>41</u>	<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: <u>SHMS - 34.470</u>	Events <u>1031k</u> Charge <u>0</u> C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>5.53</u> (μ A)
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Run Number: <u>8208</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>06:36</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.84e105</u>	hTRIG3 rate <u>120</u>	hTRIG4 rate <u>42</u>
I_{beam} : <u>30</u> μ A			Stop time (from RC): <u>07:01</u>		hTRIG5 rate <u>47</u>	hTRIG6 rate <u>42</u>	<input 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>SHMS = 31.865</u>	Events <u>70k</u> Charge <u>0</u> C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
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Run Number: <u>5209</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>0</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>07:42</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>40</u>	hTRIG3 rate 42 <u>40</u>	hTRIG4 rate <u>40</u>
<u>LED</u> I_{beam} : _____ μ A			Stop time (from RC): <u>08:19</u>		hTRIG5 rate <u>40</u>	hTRIG6 rate <u>40</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse <input type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>LED Production</u>	Events <u>397k</u> Charge <u>0</u> C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
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Run Number: <u>5211</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 <input checked="" type="checkbox"/> C Hole	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>1813</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>1437</u>	hTRIG3 rate <u>19</u>	hTRIG4 rate <u>1</u>
I_{beam} : _____ μ A			Stop time (from RC):		hTRIG5 rate <u>0.7</u>	hTRIG6 rate <u>0</u>	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>DAQ problem</u>	Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>5.23</u> (μ A)
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p(e,e' γ) p Run Sheet

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

Date: 24/03/11
yy mm dd

Initials: AS

Use a separate sheet for each configuration.

- Purpose:**
- Production
 - Test
 - Optics
 - Other: Elastic

HMS, field, current OK?

yes no

Kinematics: KinC_x
Elastic

E_{beam} : 6.368 GeV

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:

HMS
 p : +/- 2.6390 (TV): 35.46
From GUI Nearest 0.005

SHMS
(TV): _____
Nearest 0.005

NPS
 θ = SHMS -16.30
Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet $I = \underline{0}$ Amp NPS Upstream Corr. $I = \underline{0}$ Amp NPS Upstream Corr. $I = \underline{0}$ Amp

Run Number: <u>5216</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>2033</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>8.41e+06</u>	hTRIG3 rate <u>40000</u>	hTRIG4 rate <u>425</u> 2500
I_{beam} : <u>30</u> μ A			Stop time (from RC):		hTRIG5 rate <u>8107</u>	hTRIG6 rate <u>570</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse coin coin_sparse_low Comments: Beam down
 $\theta_{SHMS} = 34.86$

Events 3k Charge C Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μ A)

Run Number: <u>5217</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>2045</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>8.76e+06</u>	hTRIG3 rate <u>40000</u>	hTRIG4 rate <u>2482</u>
I_{beam} : <u>30</u> μ A			Stop time (from RC): <u>2117</u>		hTRIG5 rate <u>8720</u>	hTRIG6 rate <u>595</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse coin coin_sparse_low Comments: $\theta_{SHMS} = 34.86$

Events 82k Charge C Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) (μ A) 5.63

Run Number: <u>5218</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: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): <u>---</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>---</u>	hTRIG3 rate <u>---</u>	hTRIG4 rate <u>---</u>
I_{beam} : <u>30</u> μ A			Stop time (from RC):		hTRIG5 rate <u>---</u>	hTRIG6 rate <u>---</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse coin coin_sparse_low Comments: $\theta_{SHMS} = 34.86$
Beam down

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

Run Number: <u>5219</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>2225</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.05e+07</u>	hTRIG3 rate <u>94321</u>	hTRIG4 rate <u>5415</u>
I_{beam} : <u>30</u> μ A			Stop time (from RC): <u>2305</u>		hTRIG5 rate <u>19504</u>	hTRIG6 rate <u>1147</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse coin coin_sparse_low Comments: $\theta_{SHMS} = 34.86$

Events 79k Charge C Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) (μ A) 5.87

p(e,e' γ) p Run Sheet

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

Date: 24 / 03 / 11
yy mm dd

Initials: AS

Use a separate sheet for each configuration.

Purpose:
 Production
 Test
 Optics
 Other: Elastic

HMS, field,
current OK?

yes no

Kinematics: KinC_x _____

Elastic

E_{beam}: 6.368 GeV

Raster: On Off
Size: 2 x 2

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:	

HMS

p: +/- 2.639 θ (TV): 35.96
From GUI Nearest 0.005

SHMS

θ (TV): _____
Nearest 0.005

NPS

θ = SHMS
-16.30^o Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 0 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number: <u>5220</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>2312</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.04e+07</u>	hTRIG3 rate <u>70600</u>	hTRIG4 rate <u>4223</u>
I _{beam} : <u>30</u> μ A	Stop time (from RC): <u>2342</u>		<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk	hTRIG5 rate <u>19488</u>	hTRIG6 rate <u>1258</u>		

coin_sparse coin coin_sparse_low
 Comments: $\theta_{SHMS} = 36.17$
 Events 94k Charge _____ C
 Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) 5.54 (μ A)

Run Number: <u>5221</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>2343</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.73e+07</u>	hTRIG3 rate <u>180k</u>	hTRIG4 rate <u>10400</u>
I _{beam} : <u>30</u> μ A	Stop time (from RC): <u>00:18</u>		<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk	hTRIG5 rate <u>48946</u>	hTRIG6 rate <u>3037</u>		

coin_sparse coin coin_sparse_low
 Comments: $\theta_{SHMS} = 36.17$
 Events 77k Charge _____ C
 Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) 5.80 (μ A)

Run Number: <u>5222</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>0</u> PS6: <u>-1</u>	Start time (from RC): 00:25 <u>00:25</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>24952</u>	hTRIG3 rate <u>829</u>	hTRIG4 rate <u>14</u>
I _{beam} : <u>30</u> μ A	Stop time (from RC): <u>00:56</u>		<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk	hTRIG5 rate <u>61</u>	hTRIG6 rate <u>4</u>		

coin_sparse coin coin_sparse_low
 Comments: $\theta_{SHMS} = 37.47$
 Events 90k Charge _____ C
 Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) 5.95 (μ A)

issue keeping full run?

Run Number: <u>5223</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>0</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>00:57</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>25536</u>	hTRIG3 rate <u>215</u>	hTRIG4 rate <u>14</u>
I _{beam} : <u>30</u> μ A	Stop time (from RC): <u>01:27</u>		<input type="checkbox"/> Data ok <input type="checkbox"/> Junk	hTRIG5 rate <u>54</u>	hTRIG6 rate <u>3</u>		

coin_sparse coin coin_sparse_low
 Comments: $\theta_{SHMS} = 37.47$
 Events 87k Charge _____ C
 Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) 5.39 (μ A)

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

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

Date: 24/03/12
yy mm dd

Initials: EW

Use a separate sheet for each configuration.

Kinematics: KinC_x

Purpose:

- Production
- Test
- Optics
- Other: EluStrus

HMS, field, current OK?

yes no

E_{beam} : 6.368 GeV

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:

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

SHMS
 θ (TV): _____
Nearest 0.005

NPS
 θ = SHMS
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 0 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number: <u>5224</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>01:28</u> Stop time (from RC): <u>01:39</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>17541</u>	hTRIG3 rate <u>200</u>	hTRIG4 rate <u>12</u>
I_{beam} : <u>30</u> μ A					hTRIG5 rate <u>59</u>	hTRIG6 rate <u>2</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse coin coin_sparse_low
Comments: $\theta_{\text{SHMS}} = 37.47$ / Stopped early Mcc working in Hall B
Events 13k Charge C Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 5.47 (μ A)

Run Number: <u>5225</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>01:43</u> Stop time (from RC): <u>02:08</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>25405</u>	hTRIG3 rate <u>231</u>	hTRIG4 rate <u>12</u>
I_{beam} : <u>30</u> μ A					hTRIG5 rate <u>60</u>	hTRIG6 rate <u>3</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse coin coin_sparse_low
Comments: $\theta_{\text{SHMS}} = 37.47$
Events 73k Charge C Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 5.56 (μ A)

Run Number: <u>5226</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>02:27</u> Stop time (from RC): <u>03:01</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>71650</u>	hTRIG3 rate <u>240</u>	hTRIG4 rate <u>13</u>
I_{beam} : <u>30</u> μ A					hTRIG5 rate <u>48</u>	hTRIG6 rate <u>2.5</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse coin coin_sparse_low
Comments: $\theta_{\text{SHMS}} = 34.865$ / set HV
Events 81k Charge C Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 5.70 (μ A)

Run Number: <u>5227</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>03:02</u> Stop time (from RC): <u>03:37</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>71265</u>	hTRIG3 rate <u>232</u>	hTRIG4 rate <u>13</u>
I_{beam} : <u>30</u> μ A					hTRIG5 rate <u>46</u>	hTRIG6 rate <u>3</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse coin coin_sparse_low
Comments: $\theta_{\text{SHMS}} = 34.865$
Events 46k Charge C Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 5.70 (μ A)

p(e,e' γ) p Run Sheet

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

Date: 24/03/12
yy mm dd

Initials: EW

Use a separate sheet for each configuration.

Kinematics: KinC_x _____

Purpose:
 Production
 Test
 Optics
 Other: Elavtrics

HMS, field, current OK?
 yes no

E_{beam}: 6.368 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 = 0 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number: <u>5228</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>03:44</u> Stop time (from RC): <u>03:14</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>49332</u> hTRIG5 rate: <u>66</u>	hTRIG3 rate: <u>225</u> hTRIG6 rate: <u>4</u>	hTRIG4 rate: <u>14</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low
 Comments: $\theta_{SHMS} = 36.155$
 Events 95k Charge _____ C
 Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) 6.24 (μ A)

Run Number: <u>5229</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>04:15</u> Stop time (from RC): <u>04:28</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>49026</u> hTRIG5 rate: <u>69</u>	hTRIG3 rate: <u>242</u> hTRIG6 rate: <u>5</u>	hTRIG4 rate: <u>16</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low
 Comments: $\theta_{SHMS} = 36.155$ / MCC to 4mm beam area
 Events 31k Charge _____ C
 Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) 5.96 (μ A)

Run Number: <u>5230</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>04:32</u> Stop time (from RC): <u>04:52</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>48542</u> hTRIG5 rate: <u>69</u>	hTRIG3 rate: <u>238</u> hTRIG6 rate: <u>5</u>	hTRIG4 rate: <u>11</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low
 Comments: $\theta_{SHMS} = 36.155$
 Events 65k Charge _____ C
 Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) 5.99 (μ A)

Run Number: <u>5231</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>04:57</u> Stop time (from RC): <u>05:27</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>34408</u> hTRIG5 rate: <u>83</u>	hTRIG3 rate: <u>236</u> hTRIG6 rate: <u>4</u>	hTRIG4 rate: <u>12</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low
 Comments: $\theta_{SHMS} = 37.460$
 Events 94k Charge _____ C
 Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) 5.93 (μ A)

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

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

Date: 24/03/12
yy mm dd

Initials: EW

Use a separate sheet for each configuration.

Kinematics: KinC_x _____

Purpose:

- Production
- Test
- Optics
- Other: Elctru

HMS, field, current OK?
yes no

E_{beam} : 6.369 GeV

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:	

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

SHMS
 θ (TV): _____
Nearest 0.005

NPS
 θ = SHMS
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet $I = \underline{0}$ Amp NPS Upstream Corr. $I = \underline{0}$ Amp NPS Upstream Corr. $I = \underline{0}$ Amp

Run Number: <u>5232</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>05:28</u> Stop time (from RC): <u>06:16</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
I_{beam} : <u>30</u> μA					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>$\theta_{SHMS} = 37.466$</u>		Events <u>87k</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)		

Run Number: <u>5233</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>06:28</u> Stop time (from RC): <u>06:58</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>69314</u>	hTRIG3 rate <u>220</u>	hTRIG4 rate <u>14</u>
I_{beam} : <u>30</u> μA					hTRIG5 rate <u>51</u>	hTRIG6 rate <u>2</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>$\theta_{SHMS} = 34.855$</u>		Events <u>82k</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA) <u>5.37</u>		

Run Number: <u>5234</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>06:58</u> Stop time (from RC): <u>07:29</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>69946</u>	hTRIG3 rate <u>208</u>	hTRIG4 rate <u>11</u>
I_{beam} : <u>30</u> μA					hTRIG5 rate <u>42</u>	hTRIG6 rate <u>3</u>	<input 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>$\theta_{SHMS} = 34.855$</u>		Events <u>78k</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA) <u>6.19</u>		

Run Number: <u>5235</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>07:36</u> Stop time (from RC): <u>08:04</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>48314</u>	hTRIG3 rate <u>240</u>	hTRIG4 rate <u>16</u>
I_{beam} : <u>30</u> μA					hTRIG5 rate <u>65</u>	hTRIG6 rate <u>3</u>	<input 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>$\theta_{SHMS} = 36.185$</u>		Events <u>98k</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA) <u>6.27</u>		

p(e,e' γ) p Run Sheet

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

Date: 24 / 03 / 12
yy mm dd

Initials: JOH

Use a separate sheet for each configuration.

Kinematics: KinC_x
"S-pass elastic"

Purpose:
 Production
 Test
 Optics
 Other: Elastic

HMS, field, current OK?
 yes no

E_{beam}: 6367 GeV

Raster: On Off
 Size: 2x2

Beam position and angle on target:

HMS
 p: +/- _____ θ (TV): 35.96
From GUI Nearest 0.005

SHMS
 θ (TV): 36.17
Nearest 0.005

NPS
 θ = SHMS 16.87
-16.30° Nearest 0.005

3H07A	X	Y
<u>1.705</u> mm		<u>.282</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>.699</u> mm		<u>.308</u> mm
Nomin:		Nomin:

Collimator: HMS: Large Sieve
 NPS Sweep Magnet I = 0 Amp
 NPS Upstream Corr. I = 0 Amp
 NPS Upstream Corr. I = 0 Amp

Run Number: <u>5236</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>0</u> PS6: <u>-1</u>	Start time (from RC): <u>8:07</u> Stop time (from RC): <u>8:33</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>19464</u> hTRIG5 rate <u>65.4</u>	hTRIG3 rate <u>222.4</u> hTRIG6 rate <u>4.5</u>	hTRIG4 rate <u>15.0</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>26k</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>5.71</u> (μ A)
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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. <input type="checkbox"/>	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC): 	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate hTRIG5 rate	hTRIG3 rate hTRIG6 rate	hTRIG4 rate <input 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 _____ Charge _____C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
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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. <input type="checkbox"/>	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC): 	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate hTRIG5 rate	hTRIG3 rate hTRIG6 rate	hTRIG4 rate <input 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 _____ Charge _____C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
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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. <input type="checkbox"/>	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC): 	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate hTRIG5 rate	hTRIG3 rate hTRIG6 rate	hTRIG4 rate <input 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 _____ Charge _____C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
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p(e,e' γ)p Run Sheet

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

Date: 24/03/12
yy mm dd

Initials: JOH

Use a separate sheet for each configuration.

Kinematics: KinC_x So-0a

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field,
current OK?

yes no

E_{beam}: 6.368 GeV

Raster: On Off
Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.35</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.6</u> mm		<u>0.30</u> mm
Nomin:		Nomin:

HMS

SHMS

NPS

p: +2.638 θ (TV): 25.935
From GUI Nearest 0.005

θ (TV): 30.3
Nearest 0.005

θ = SHMS 14.0
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 468 Amp NPS Upstream Corr. I = _____ Amp NPS Upstream Corr. I = _____ Amp

Run Number: <u>5237</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>21:15</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>450 kHz</u>	hTRIG3 rate <u>685</u>	hTRIG4 rate <u>365</u>
I _{beam} : <u>10</u> μ A			Stop time (from RC): <u>21:45</u>		hTRIG5 rate <u>108</u>	hTRIG6 rate <u>75</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>High charge asymmetry ~2-3k pp</u>	Events <u>654k</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>~3</u> (μ A)
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Run Number: <u>5238</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>21:48</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>	hTRIG3 rate <u>1990</u>	hTRIG4 rate <u>1025</u>
I _{beam} : <u>30</u> μ A			Stop time (from RC): <u>22:26</u>		hTRIG5 rate <u>870</u>	hTRIG6 rate <u>472</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>(low statistics) Charge asymmetry better now ~150ppm</u>	Events <u>2M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>9-11</u> (μ A)
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Run Number: <u>5239</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>22:27</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>	hTRIG3 rate <u>1955</u>	hTRIG4 rate <u>1042</u>
I _{beam} : <u>30</u> μ A			Stop time (from RC): <u>22:57</u>		hTRIG5 rate <u>800</u>	hTRIG6 rate <u>435</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>1.7M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>9-10</u> (μ A)
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Run Number: <u>5240</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>22:59</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.85M</u>	hTRIG3 rate <u>1970</u>	hTRIG4 rate <u>1045</u>
I _{beam} : <u>30</u> μ A			Stop time (from RC): <u>23:29</u>		hTRIG5 rate <u>810</u>	hTRIG6 rate <u>440</u>	<input 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>1.7M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>9-11</u> (μ A)
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p(e,e' γ) p Run Sheet

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

Date: 24/03/12
yy mm dd

Initials: JOH

Use a separate sheet for each configuration.

Kinematics: KinC_x S0-0a

E_{beam}: 6.368 GeV

Raster: On Off
Size: 2x2

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?
yes no

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>0.6</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

HMS
p: +/- -2.638 θ (TV): 25.935
From GUI Nearest 0.005

SHMS
 θ (TV): 30.3
Nearest 0.005

NPS
 θ = SHMS 14.0
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 468 Amp NPS Upstream Corr. I = 9 Amp NPS Upstream Corr. I = 9 Amp

Run Number: <u>5241</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>23:30</u> Stop time (from RC): <u>0:00</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.744</u> hTRIG5 rate: <u>725</u>	hTRIG3 rate: <u>1993</u> hTRIG6 rate: <u>470</u>	hTRIG4 rate: <u>1036</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low
Comments: _____
Events 1.74M Charge C Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 8-10 (μ A)

Run Number: <u>5242</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>00:01</u> Stop time (from RC): <u>00:31</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.74e+06</u> hTRIG5 rate: <u>810</u>	hTRIG3 rate: <u>2029</u> hTRIG6 rate: <u>432</u>	hTRIG4 rate: <u>1046</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low
Comments: _____
Events 1.76M Charge C Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 8-10 (μ A)

Run Number: <u>5243</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>00:32</u> Stop time (from RC): <u>01:02</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.65e+06</u> hTRIG5 rate: <u>677</u>	hTRIG3 rate: <u>1917</u> hTRIG6 rate: <u>401</u>	hTRIG4 rate: <u>1011</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low
Comments: _____
Events 1.81M Charge C Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) 8-10 (μ A)

Run Number: <u>5244</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>01:03</u> Stop time (from RC): <u>01:33</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.70e+06</u> hTRIG5 rate: <u>718</u>	hTRIG3 rate: <u>1935</u> hTRIG6 rate: <u>389</u>	hTRIG4 rate: <u>1008</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low
Comments: _____
Events 1.81M Charge C Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) 8-10 (μ A)

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

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

Date: 24/03/13
yy mm dd

Initials: EW

Use a separate sheet for each configuration.

Kinematics: KinC_x 50-6a

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

E_{beam} : 6.368 GeV

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>0.6</u> mm	<u>0.3</u> mm	
Nomin:		Nomin:

HMS
 p : +0.2638 From GUI $\theta(TV)$: 25.455 Nearest 0.005

SHMS
 $\theta(TV)$: 30.3 Nearest 0.005

NPS
 $\theta =$ SHMS 14
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet $I =$ 460 Amp NPS Upstream Corr. $I =$ 0 Amp NPS Upstream Corr. $I =$ 0 Amp

Run Number: <u>5245</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>01:34</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>$1.68e+05$</u>	hTRIG3 rate <u>1967</u>	hTRIG4 rate <u>1055</u>
I_{beam} : <u>30</u> μA			Stop time (from RC): <u>02:03</u>		hTRIG5 rate <u>776</u>	hTRIG6 rate <u>424</u>	<input 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>1.56M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) <u>8-10</u> (μA)			

Run Number: <u>5246</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>02:05</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>$9.13e+05$</u>	hTRIG3 rate <u>1283</u>	hTRIG4 rate <u>724</u>
I_{beam} : <u>20</u> μA			Stop time (from RC): <u>02:25</u>		hTRIG5 rate <u>244</u>	hTRIG6 rate <u>169</u>	<input 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>809k</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) <u>4-6</u> (μA)			

Run Number: <u>5247</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>02:27</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>$1.64e+06$</u>	hTRIG3 rate <u>1953</u>	hTRIG4 rate <u>1012</u>
I_{beam} : <u>30</u> μA			Stop time (from RC): <u>02:42</u>		hTRIG5 rate <u>746</u>	hTRIG6 rate <u>406</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: <u>coin</u>	Events <u>854k</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) <u>6-9</u> (μA)			

Run Number: <u>5248</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>03:10</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>$1.29e+05$</u>	hTRIG3 rate <u>320</u>	hTRIG4 rate <u>164</u>
I_{beam} : <u>1-30</u> μA			Stop time (from RC): <u>03:31</u>		hTRIG5 rate <u>52</u>	hTRIG6 rate <u>45</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>Dummy Ion chamber calibration run</u>	Events <u>441k</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) <u>5-8</u> (μA)			

1-14

p(e,e' γ) p Run Sheet

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

Date: 24/03/13
yy mm dd

Initials: *ELV*

Use a separate sheet for each configuration.

Kinematics: KinC_x 50-0a

E_{beam}: 6.068 GeV

Raster: On Off
Size: 2x2

Purpose:
 Production
 Test
 Optics
 Other: _____

HMS, field, current OK?
yes no

HMS
p: +① 2.638 θ (TV): 25.955
From GUI Nearest 0.005

SHMS
 θ (TV): 30.3
Nearest 0.005

NPS
 θ = SHMS 14
-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:		
3H07C	X	Y
	<u>0.6</u> mm	<u>0.3</u> mm
Nomin:		

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 400 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number: <u>5249</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>03:32</u> Stop time (from RC): <u>04:02</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.65e+06</u> hTRIG5 rate: <u>477</u>	hTRIG3 rate: <u>2673</u> hTRIG6 rate: <u>405</u>	hTRIG4 rate: <u>1084</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>30</u> μ A	Comments:		Events: <u>1.71M</u> Charge: <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100</u>	Max NPS anode current (single crystal): <u>17-19</u> (μ A)		

Run Number: <u>5250</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>04:03</u> Stop time (from RC): <u>04:23</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.05e+06</u> hTRIG5 rate: <u>310</u>	hTRIG3 rate: <u>1332</u> hTRIG6 rate: <u>139</u>	hTRIG4 rate: <u>638</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>15</u> μ A	Comments:		Events: <u>586k</u> Charge: <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100</u>	Max NPS anode current (single crystal): <u>7-10</u> (μ A)		

Run Number: <u>5251</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>04:38</u> Stop time (from RC): <u>04:57</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.96e+06</u> hTRIG5 rate: <u>1436</u>	hTRIG3 rate: <u>3342</u> hTRIG6 rate: <u>650</u>	hTRIG4 rate: <u>1472</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>15</u> μ A	Comments: Ion Chamber Calibration		Events: <u>392k</u> Charge: <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100</u>	Max NPS anode current (single crystal): <u>5-7</u> (μ A)		

Run Number: <u>5252</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>04:57</u> Stop time (from RC): <u>05:27</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.96e+06</u> hTRIG5 rate: <u>1436</u>	hTRIG3 rate: <u>3342</u> hTRIG6 rate: <u>650</u>	hTRIG4 rate: <u>1472</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>15</u> μ A	Comments: <u>ps6=0</u> <u>1/16 30 minute runs</u>		Events: <u>1.09M</u> Charge: <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100</u>	Max NPS anode current (single crystal): <u>5-7</u> (μ A)		

p(e,e' γ) p Run Sheet

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

Date: 24/03/13
yy mm dd

Initials: EW

Use a separate sheet for each configuration.

Kinematics: KinC_x 50_0a

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

E_{beam}: 6.369 GeV

Raster: On Off
Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>9.7</u> mm	<u>0.3</u> mm	
Nomin:	Nomin:	
3H07C	X	Y
<u>0.6</u> mm	<u>0.3</u> mm	
Nomin:	Nomin:	

HMS
p: +0 2.638 (TV): 25.955
From GUI Nearest 0.005

SHMS
(TV): 30.3
Nearest 0.005

NPS
 $\theta =$ SHMS 14
-16.30° Nearest 0.005

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>5253</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>05:28</u> Stop time (from RC): <u>05:58</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.97e+06</u> hTRIG5 rate: <u>1453</u>	hTRIG3 rate: <u>3361</u> hTRIG6 rate: <u>599</u>	hTRIG4 rate: <u>1407</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>redo with ps4=0</u>	Events <u>803k</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100</u>	Max NPS anode current (single crystal): <u>5-7</u> (μ A)
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Run Number: <u>5254</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>05:59</u> Stop time (from RC): <u>06:29</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.91e+06</u> hTRIG5 rate: <u>1455</u>	hTRIG3 rate: <u>3073363</u> hTRIG6 rate: <u>647</u>	hTRIG4 rate: <u>1476</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>redo with ps4=0</u>	Events <u>1.051M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100</u>	Max NPS anode current (single crystal): <u>5-7</u> (μ A)
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Run Number: <u>5255</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>06:36</u> Stop time (from RC): <u>07:00</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.45e+06</u> hTRIG5 rate: <u>1446</u>	hTRIG3 rate: <u>3334</u> hTRIG6 rate: <u>635</u>	hTRIG4 rate: <u>1457</u> <input checked="" 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 type="checkbox"/>	Comments: <u>need to redo with ps4=0</u>	Events <u>1.09M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100</u>	Max NPS anode current (single crystal): <u>5-7</u> (μ A)
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Run Number: <u>5257</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 checked="" type="checkbox"/> LED	PS1: <u>-1</u> PS2: <u>0</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>1620</u> Stop time (from RC): _____	<input checked="" 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
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coin_sparse <input type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>LED / In interrupted ; NPS Calc Anode current wired</u>	Events _____ Charge _____	Active trigger LiveTime fraction (NPS Scaler Gui): _____	Max NPS anode current (single crystal): _____ (μ A)
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Col: 21 ; Row: 18

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

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

Date: 24/03/13
yy mm dd

Initials: AS

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: 2 x 2

Beam position and angle on target:

HMS
 $p: +/-$ -2.638 $\theta(TV):$ 25.92
From GUI Nearest 0.005

SHMS
 $\theta(TV):$ 30.21
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>5258</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 checked="" type="checkbox"/> LED	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	Data ok <input type="checkbox"/> Junk <input type="checkbox"/>
I_{beam} : _____ μA	Comments: <u>Issue Events</u>			Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)
coin_sparse <input type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>						

Run Number: <u>5259</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 checked="" type="checkbox"/> JUNK	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	Data ok <input type="checkbox"/> Junk <input type="checkbox"/>
I_{beam} : _____ μA	Comments: <u>Junk</u>			Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)
coin_sparse <input type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>						

Run Number: <u>5260</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 checked="" type="checkbox"/> LED	PS1: <u>-1</u> PS2: <u>0</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>1804</u> Stop time (from RC): <u>1846</u>	<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	Data ok <input type="checkbox"/> Junk <input type="checkbox"/>
I_{beam} : _____ μA	Comments: <u>LED</u>			Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)
coin_sparse <input type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>						

Run Number: <u>5261</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 checked="" type="checkbox"/> LED	PS1: <u>-1</u> PS2: <u>0</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>1847</u> Stop time (from RC): <u>1925</u>	<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	Data ok <input type="checkbox"/> Junk <input type="checkbox"/>
I_{beam} : _____ μA	Comments: <u>LED</u>			Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)
coin_sparse <input 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:Runsheet_dvcs_NPS.pdf

Date: 24 / 03 / 13
 yy mm dd

Initials: AS

Use a separate sheet for each configuration.

Kinematics: KinC_x50-0a

E_{beam}: 6.368 GeV

Raster: On Off
 Size: 2x2

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field,
current OK?

yes no

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>0.6</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

HMS
 p: +/- ~~2.5~~ -2.68 (TV): 25.93
From GUI Nearest 0.005

SHMS
 θ (TV): 30.31
Nearest 0.005

NPS
 θ = SHMS
-16.30°
Nearest 0.005

Collimator: HMS: Large Sieve
 NPS Sweep Magnet I = 468 Amp
 NPS Upstream Corr. I = 0 Amp
 NPS Upstream Corr. I = 0 Amp

Run Number: 5262
 I_{beam}: _____ μ A

<input type="checkbox"/> LH2 10cm	PS1: <u>-1</u>	Start time (from RC): <u>2100</u>	<input type="checkbox"/> Settings Verified?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
<input checked="" type="checkbox"/> LD2 10cm	PS2: <u>-1</u>	Stop time (from RC): <u>2108</u>	<input type="checkbox"/> HV OK?	hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok
<input type="checkbox"/> Dummy 10cm	PS3: <u>-1</u>		<input type="checkbox"/> 50k OK?			<input type="checkbox"/> Junk
<input type="checkbox"/> Optics#1 8cm	PS4: <u>0</u>					
<input type="checkbox"/> C 0.5% r.l.l	PS5: <u>-1</u>					
<input type="checkbox"/>	PS6: <u>-1</u>					

coin_sparse
 coin
 coin_sparse_low
 Comments: JUNK.
 Events _____ Charge C
 Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) 10 (μ A)

Run Number: 5263
 I_{beam}: 15 μ A

<input type="checkbox"/> LH2 10cm	PS1: <u>-1</u>	Start time (from RC): <u>2109</u>	<input type="checkbox"/> Settings Verified?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
<input checked="" type="checkbox"/> LD2 10cm	PS2: <u>-1</u>	Stop time (from RC): <u>2128</u>	<input checked="" type="checkbox"/> HV OK?	hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok
<input type="checkbox"/> Dummy 10cm	PS3: <u>-1</u>		<input type="checkbox"/> 50k OK?			<input type="checkbox"/> Junk
<input type="checkbox"/> Optics#1 8cm	PS4: <u>0</u>					
<input type="checkbox"/> C 0.5% r.l.l	PS5: <u>-1</u>					
<input type="checkbox"/>	PS6: <u>-1</u>					

coin_sparse
 coin
 coin_sparse_low
 Comments: 5/16 ; DAQ issue
 Events _____ Charge C
 Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) 10 (μ A)

Run Number: 5264
 I_{beam}: 15 μ A

<input type="checkbox"/> LH2 10cm	PS1: <u>-1</u>	Start time (from RC): <u>2134</u>	<input checked="" type="checkbox"/> Settings Verified?	hTRIG1 rate <u>2.03e+06</u>	hTRIG3 rate <u>3235</u>	hTRIG4 rate <u>1448</u>
<input checked="" type="checkbox"/> LD2 10cm	PS2: <u>-1</u>	Stop time (from RC): <u>2228</u>	<input checked="" type="checkbox"/> HV OK?	hTRIG5 rate <u>1484</u>	hTRIG6 rate <u>666</u>	<input checked="" type="checkbox"/> Data ok
<input type="checkbox"/> Dummy 10cm	PS3: <u>-1</u>		<input checked="" type="checkbox"/> 50k OK?			<input type="checkbox"/> Junk
<input type="checkbox"/> Optics#1 8cm	PS4: <u>0</u>					
<input type="checkbox"/> C 0.5% r.l.l	PS5: <u>-1</u>					
<input type="checkbox"/>	PS6: <u>-1</u>					

coin_sparse
 coin
 coin_sparse_low
 Comments: 5/16
 Events 25M Charge C
 Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) 10 (μ A)

Run Number: 5265
 I_{beam}: 15 μ A

<input type="checkbox"/> LH2 10cm	PS1: <u>-1</u>	Start time (from RC): <u>2229</u>	<input checked="" type="checkbox"/> Settings Verified?	hTRIG1 rate <u>2.02e+06</u>	hTRIG3 rate <u>3288</u>	hTRIG4 rate <u>1424</u>
<input checked="" type="checkbox"/> LD2 10cm	PS2: <u>-1</u>	Stop time (from RC): <u>2306</u>	<input checked="" type="checkbox"/> HV OK?	hTRIG5 rate <u>1492</u>	hTRIG6 rate <u>660</u>	<input checked="" type="checkbox"/> Data ok
<input type="checkbox"/> Dummy 10cm	PS3: <u>-1</u>		<input checked="" type="checkbox"/> 50k OK?			<input type="checkbox"/> Junk
<input type="checkbox"/> Optics#1 8cm	PS4: <u>0</u>					
<input type="checkbox"/> C 0.5% r.l.l	PS5: <u>-1</u>					
<input type="checkbox"/>	PS6: <u>-1</u>					

coin_sparse
 coin
 coin_sparse_low
 Comments: 6/16
 Events 22M Charge C
 Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) 10 (μ A)

p(e,e' γ) p Run Sheet

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

Date: 24 / 03 / 13
yy mm dd

Initials: AS

Use a separate sheet for each configuration.

Kinematics: KinC_x 50-0a

E_{beam}: 6.368 GeV

Raster: On Off
Size: 2x2

Purpose:
 Production
 Test
 Optics
 Other: _____

HMS, field,
current OK?

yes no

Beam position and angle on target:

3H07A	X	<u>0.3</u>	Y
<u>1.7</u>	mm	0.6	mm
Nomin:			
3H07C	X	<u>0.3</u>	Y
<u>0.6</u>	mm	<u>0.3</u>	mm
Nomin:			

HMS
p: +/- -2.638 θ (TV): 25.93
From GUI Nearest 0.005

SHMS
 θ (TV): 30.31
Nearest 0.005

NPS
 θ = SHMS 14.01
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve
NPS Sweep Magnet I = 0 Amp
NPS Upstream Corr. I = 0 Amp
NPS Upstream Corr. I = 0 Amp

Run Number: <u>5266</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>23:01</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.02e+06</u>	hTRIG3 rate <u>3303</u>	hTRIG4 rate <u>1435</u>
I _{beam} : <u>15</u> μ A			Stop time (from RC): <u>23:30</u>		hTRIG5 rate <u>1444</u>	hTRIG6 rate <u>676</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse
coin
coin_sparse_low
Comments: 7/16 ; Beam down
~10 min. of data
Events 100k
Charge C
Active trigger LiveTime fraction (NPS Scaler Gui)
Max NPS anode current (single crystal) 10 (μ A)

Run Number: <u>5267</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>23:35</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.04e+06</u>	hTRIG3 rate <u>3367</u>	hTRIG4 rate <u>1468</u>
I _{beam} : <u>15</u> μ A			Stop time (from RC): <u>00:05</u>		hTRIG5 rate <u>1531</u>	hTRIG6 rate <u>680</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse
coin
coin_sparse_low
Comments: 8/16 ~15 minutes of actual beam
Events 1.03M
Charge C
Active trigger LiveTime fraction (NPS Scaler Gui)
Max NPS anode current (single crystal) 7-8 (μ A)

Run Number: <u>5268</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>00:06</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.00e+06</u>	hTRIG3 rate <u>3274</u>	hTRIG4 rate <u>1412</u>
I _{beam} : <u>15</u> μ A			Stop time (from RC): <u>00:45</u>		hTRIG5 rate <u>1414</u>	hTRIG6 rate <u>652</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse
coin
coin_sparse_low
Comments: 9/16
Events 2M
Charge C
Active trigger LiveTime fraction (NPS Scaler Gui)
Max NPS anode current (single crystal) 7-8 (μ A)

Run Number: <u>5269</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>00:46</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.00e+06</u>	hTRIG3 rate <u>3386</u>	hTRIG4 rate <u>1523</u>
I _{beam} : <u>15</u> μ A			Stop time (from RC): <u>01:26</u>		hTRIG5 rate <u>1863</u>	hTRIG6 rate <u>684</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse
coin
coin_sparse_low
Comments: 10/16
Events 2.6M
Charge C
Active trigger LiveTime fraction (NPS Scaler Gui)
Max NPS anode current (single crystal) 7-8 (μ A)

p(e,e' γ) p Run Sheet

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

Date: 24 / 03 / 14
 yy mm dd

Initials: EW

Use a separate sheet for each configuration.

Kinematics: KinC_x5⁰-0_a

E_{beam}: 6.369 GeV

Raster: On Off
 Size: 2x2

Purpose:
 Production
 Test
 Optics
 Other: _____

HMS, field, current OK?
 yes no

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>0.6</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

HMS
 p: +0 2.638 θ (TV): 25.93
From GUI Nearest 0.005

SHMS
 θ (TV): 30.31
Nearest 0.005

NPS
 θ = SHMS 14.01
 -16.30° Nearest 0.005

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>5270</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>01:27</u>	Stop time (from RC): <u>02:07</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.98e+06</u>	hTRIG3 rate <u>3255</u>	hTRIG4 rate <u>1346</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>15</u> μ A	Comments: <u>11/16</u>			Events <u>3.2M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) <u>7-8</u> (μ A)			

Run Number: <u>5271</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>02:08</u>	Stop time (from RC): <u>02:38</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.98e+06</u>	hTRIG3 rate <u>3328</u>	hTRIG4 rate <u>1422</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>15</u> μ A	Comments: <u>12/16</u>			Events <u>2.3M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) <u>7-8</u> (μ A)			

Run Number: <u>5272</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>02:39</u>	Stop time (from RC): <u>03:10</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.96e+06</u>	hTRIG3 rate <u>3293</u>	hTRIG4 rate <u>1388</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>15</u> μ A	Comments: <u>13/16</u>			Events <u>2.45M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) <u>7-8</u> (μ A)			

Run Number: <u>5273</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>03:11</u>	Stop time (from RC): <u>03:41</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.01e+06</u>	hTRIG3 rate <u>3353</u>	hTRIG4 rate <u>1483</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>15</u> μ A	Comments: <u>14/16</u>			Events <u>1.9M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) <u>7-8</u> (μ A)			

p(e,e' γ) p Run Sheet

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

Date: 24/03/14
yy mm dd

Initials: EW

Use a separate sheet for each configuration.

Kinematics: KinC_x 50-0a

E_{beam}: 6369 GeV

Raster: On Off
Size: 2x2

Purpose:
 Production
 Test
 Optics
 Other: _____

HMS, field, current OK?
yes no

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>0.6</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

HMS
p: +0 2.638 θ (TV): 25.93
From GUI Nearest 0.005

SHMS
 θ (TV): 30.31
Nearest 0.005

NPS
 θ = SHMS 14.01
-16.30° Nearest 0.005

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>5274</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>02:42</u> Stop time (from RC): <u>03:14</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.95e+06</u> hTRIG5 rate: <u>1409</u>	hTRIG3 rate: <u>3323</u> hTRIG6 rate: <u>610</u>	hTRIG4 rate: <u>1458</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low
Comments: 15/16
Events 2.4M Charge C
Active trigger LiveTime fraction (NPS Scaler Gui) 100
Max NPS anode current (single crystal) 7-8 (μ A)

Run Number: <u>5275</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>04:15</u> Stop time (from RC): <u>04:45</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.95e+06</u> hTRIG5 rate: <u>1404</u>	hTRIG3 rate: <u>3280</u> hTRIG6 rate: <u>661</u>	hTRIG4 rate: <u>1423</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low
Comments: 16/16
Events 2.4M Charge C
Active trigger LiveTime fraction (NPS Scaler Gui) 100
Max NPS anode current (single crystal) 7-8 (μ A)

Run Number: <u>5276</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>04:46</u> Stop time (from RC): <u>05:06</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.27e+06</u> hTRIG5 rate: <u>614</u>	hTRIG3 rate: <u>2210</u> hTRIG6 rate: <u>280</u>	hTRIG4 rate: <u>952</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low
Comments: _____
Events 1M Charge C
Active trigger LiveTime fraction (NPS Scaler Gui) 100
Max NPS anode current (single crystal) 4-5 (μ A)

Run Number: <u>5277</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>05:07</u> Stop time (from RC): <u>05:37</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>6.01e+05</u> hTRIG5 rate: <u>180</u>	hTRIG3 rate: <u>1110</u> hTRIG6 rate: <u>104</u>	hTRIG4 rate: <u>520</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low
Comments: _____
Events 880k Charge C
Active trigger LiveTime fraction (NPS Scaler Gui) 100
Max NPS anode current (single crystal) 1-2 (μ A)

p(e,e' γ) p Run Sheet

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

Date: 24, 03, 14
yy mm dd

Initials: EW

Use a separate sheet for each configuration.

Kinematics: KinC_x 50-0a

E_{beam}: 6, 368 GeV

Raster: On Off
Size: 2x2

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

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>0.6</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

HMS

SHMS

NPS

p: +0 2.635 θ (TV): 25.93
From GUI Nearest 0.005

θ (TV): 30.01
Nearest 0.005

θ = SHMS 14.01
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 46 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number: <u>5278</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>05:39</u> Stop time (from RC): <u>05:41</u>	<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>15</u> μ A	Comments: <u>rate was too high</u>			Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)	
coin_sparse <input type="checkbox"/> coin <input checked="" type="checkbox"/> coin_sparse_low <input type="checkbox"/>						<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk	

Run Number: <u>5279</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>05:42</u> Stop time (from RC): <u>05:57</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.19e+06</u>	hTRIG3 rate <u>3361</u>	hTRIG4 rate <u>1444</u>
I _{beam} : <u>15</u> μ A	Comments:			Events <u>6314</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) (μ A) <u>7-8</u>	
coin_sparse <input type="checkbox"/> coin <input checked="" type="checkbox"/> coin_sparse_low <input type="checkbox"/>						<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk	

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
I _{beam} : _____ μ A	Comments:			Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)	
coin_sparse <input type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>						<input type="checkbox"/> Data ok <input type="checkbox"/> Junk	

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
I _{beam} : _____ μ A	Comments:			Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)	
coin_sparse <input type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>						<input type="checkbox"/> Data ok <input type="checkbox"/> Junk	

p(e,e'γ) p Run Sheet

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

Date: 24/03/14
yy mm dd

Initials: EW

Use a separate sheet for each configuration.

Kinematics: KinC_x 50-06

E_{beam}: 6.368 GeV

Raster: On Off
Size: 2x2

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		
3H07C	X	Y
<u>0.6</u>	mm	<u>0.3</u> mm
Nomin:		

HMS
p: +02.638 θ(TV): 25.93
From GUI Nearest 0.005

SHMS
θ(TV): 33.905
Nearest 0.005

NPS
θ = SHMS 17.605
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve
NPS Sweep Magnet I = 46 Amp
NPS Upstream Corr. I = 0 Amp
NPS Upstream Corr. I = 0 Amp

Run Number: <u>5280</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>06:09</u>	Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK? <input checked="" type="checkbox"/>	hTRIG1 rate <u>5.75e+05</u>	hTRIG3 rate <u>2621</u>	hTRIG4 rate <u>1073</u>
I _{beam} : <u>30</u> μA	Comments: _____		Stop time (from RC): <u>06:39</u>	Active trigger fraction (NPS Scaler Gui) <u>100</u>	hTRIG5 rate <u>282</u>	hTRIG6 rate <u>171</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Events <u>1.5 M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) (μA) <u>3</u>
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Run Number: <u>5281</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>06:40</u>	Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK? <input checked="" type="checkbox"/>	hTRIG1 rate <u>5.60e+05</u>	hTRIG3 rate <u>2004</u>	hTRIG4 rate <u>1059</u>
I _{beam} : <u>30</u> μA	Comments: _____		Stop time (from RC): <u>07:10</u>	Active trigger fraction (NPS Scaler Gui) <u>100</u>	hTRIG5 rate <u>267</u>	hTRIG6 rate <u>164</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"/>	Events <u>1.6 M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) (μA) <u>3</u>
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Run Number: <u>5282</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>07:11</u>	Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK? <input checked="" type="checkbox"/>	hTRIG1 rate <u>5.60e+05</u>	hTRIG3 rate <u>2001</u>	hTRIG4 rate <u>1051</u>
I _{beam} : <u>30</u> μA	Comments: _____		Stop time (from RC): <u>07:42</u>	Active trigger fraction (NPS Scaler Gui) <u>100</u>	hTRIG5 rate <u>271</u>	hTRIG6 rate <u>159</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"/>	Events <u>1.74 M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) (μA) <u>3</u>
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Run Number: <u>5283</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>07:43</u>	Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK? <input checked="" type="checkbox"/>	hTRIG1 rate <u>5.66e+05</u>	hTRIG3 rate <u>1972</u>	hTRIG4 rate <u>1039</u>
I _{beam} : <u>30</u> μA	Comments: _____		Stop time (from RC): <u>8:15</u>	Active trigger fraction (NPS Scaler Gui) <u>100</u>	hTRIG5 rate <u>273</u>	hTRIG6 rate <u>167</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Events <u>1.74 M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) (μA) <u>3</u>
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p(e,e'γ) p Run Sheet

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

Date: 24/03/14
 yy mm dd

Initials: RR

Use a separate sheet for each configuration.

Kinematics: KinC_x 50-06

E_{beam}: 6.268 GeV

Raster: On Off
 Size: 2x2

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

Beam position and angle on target:

3H07A	X	Y
<u>1.70</u> mm		<u>.265</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>.597</u> mm		<u>.295</u> mm
Nomin:		Nomin:

HMS

SHMS

NPS

p: +/-2.64 θ(TV): 25.93
From GUI Nearest 0.005

θ(TV): -33.92
Nearest 0.005

θ = SHMS -16.30° 33.92
Nearest 0.005

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>5284</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>8:34</u> Stop time (from RC): <u>9:05</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>5.73E5</u> hTRIG5 rate: <u>282.1</u>	hTRIG3 rate: <u>1995.9</u> hTRIG6 rate: <u>159.5</u>	hTRIG4 rate: <u>1048.7</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low
 Comments: 5/8
 Events _____ Charge C
 Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) 5.98 (μA)

Run Number: <u>5285</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>9:07</u> Stop time (from RC): <u>_____</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>40.0</u> hTRIG5 rate: <u>255.5</u>	hTRIG3 rate: <u>706.6</u> hTRIG6 rate: <u>173.2</u>	hTRIG4 rate: <u>561</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low
 Comments: 6/8
 Events 1.8M Charge C
 Active trigger LiveTime fraction (NPS Scaler Gui) 99.54%
 Max NPS anode current (single crystal) 5.88 (μA)

Run Number: <u>5286</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>9:42</u> Stop time (from RC): <u>10:12</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>2.84E5</u> hTRIG5 rate: <u>442.7</u>	hTRIG3 rate: <u>1788.9</u> hTRIG6 rate: <u>290.0</u>	hTRIG4 rate: <u>1051.6</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low
 Comments: upped current to 40μA
 Events 2M Charge C
 Active trigger LiveTime fraction (NPS Scaler Gui) 99.88%
 Max NPS anode current (single crystal) 7.91 (μA)

Run Number: <u>5287</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>10:13</u> Stop time (from RC): <u>_____</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>8.31E5</u> hTRIG5 rate: <u>1.69E5</u>	hTRIG3 rate: <u>2593.8</u> hTRIG6 rate: <u>299.1</u>	hTRIG4 rate: <u>1409.2</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse coin coin_sparse_low
 Comments: TRIG5 likely wrong need review
 Events 2.3M Charge C
 Active trigger LiveTime fraction (NPS Scaler Gui) 99.93
 Max NPS anode current (single crystal) 8.18 (μA)

p(e,e'γ) p Run Sheet

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

Date: 24/03/14
yy mm dd

Initials: PK

Use a separate sheet for each configuration.

Kinematics: KinC_x_50-06

E_{beam}: 6368 GeV

Raster: On Off
Size: 2x2

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field,
current OK?

yes no

Beam position and angle on target:

3H07A	X	Y
<u>1.79</u> mm		<u>.30</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>.600</u> mm		<u>0.000</u> mm
Nomin:		Nomin:

HMS
p: +/- 2.64 θ(TV): 25.93
From GUI Nearest 0.005

SHMS
θ(TV): _____
Nearest 0.005

NPS
θ = SHMS -33.92
-16.30° Nearest 0.005

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>5288</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>10:47</u>	Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK? <input checked="" type="checkbox"/>	hTRIG1 rate <u>334.5</u>	hTRIG3 rate <u>1362.5</u>	hTRIG4 rate <u>754.9</u>
I _{beam} : <u>20</u> μA			Stop time (from RC): <u>11:08</u>		hTRIG5 rate <u>147.5</u>	hTRIG6 rate <u>88.7</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>20MA run</u>	Events <u>790k</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.98%</u>	Max NPS anode current (single crystal) <u>6.01</u> (μA)
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Run Number: <u>5289</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>11:34</u>	Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK? <input checked="" type="checkbox"/>	hTRIG1 rate <u>146.5</u>	hTRIG3 rate <u>720.7</u>	hTRIG4 rate <u>384</u>
I _{beam} : <u>10</u> μA			Stop time (from RC):		hTRIG5 rate <u>66.2</u>	hTRIG6 rate <u>54.2</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>10MA</u>	Events <u>680k</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.95%</u>	Max NPS anode current (single crystal) <u>5.67</u> (μA)
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Run Number: <u>5291</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>12:13</u>	Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK? <input type="checkbox"/>	hTRIG1 rate <u>3.88E5</u>	hTRIG3 rate <u>2007.5</u>	hTRIG4 rate <u>1026.0</u>
I _{beam} : <u>29.37</u> μA			Stop time (from RC):		hTRIG5 rate <u>288.2</u>	hTRIG6 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

coin_sparse <input type="checkbox"/> coin <input checked="" type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments: <u>JUNK</u>	Events _____ Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)
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Run Number: <u>5292</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>12:15</u>	Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK? <input checked="" type="checkbox"/>	hTRIG1 rate <u>5.58E5</u>	hTRIG3 rate <u>2007.5</u>	hTRIG4 rate <u>1026.0</u>
I _{beam} : <u>29</u> μA			Stop time (from RC):		hTRIG5 rate <u>288.2</u>	hTRIG6 rate <u>157.0</u>	<input 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: <u>coin PS4=1</u>	Events <u>417k</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>6.47</u> (μA)
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p(e,e' γ) p Run Sheet

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

Date: 24 / 03 / 14
 yy mm dd

Initials: RF

Use a separate sheet for each configuration.

Kinematics: KinC_x 50-b

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

E_{beam}: 6368 GeV

Raster: On Off
 Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>1.69</u> mm		<u>.30</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>-.59</u> mm		<u>.298</u> mm
Nomin:		Nomin:

HMS

SHMS

NPS

p: +/- -2.64 θ (TV): 25.93
From GUI Nearest 0.005

θ (TV): 31.92
Nearest 0.005

θ = SHMS -16.30°
Nearest 0.005

Collimator:

HMS: Large Sieve

NPS Sweep Magnet I = 468 Amp

NPS Upstream Corr. I = 0 Amp

NPS Upstream Corr. I = 0 Amp

Run Number:

5293

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

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

Start time (from RC):

12:42

Stop time (from RC):

13:12

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

7.99E5

hTRIG3 rate

26044.3

hTRIG4 rate

1069.1

hTRIG5 rate

454.2

hTRIG6 rate

207.5

Data ok

Junk

coin_sparse
 coin
 coin_sparse_low

Comments: dummy high NPS current

Events 905K
 Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) 50%

Max NPS anode current (single crystal) 11.54 (μ A)

Run Number:

5294

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

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

Start time (from RC):

13:15

Stop time (from RC):

13:35

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

2.45E5

hTRIG3 rate

1319.5

hTRIG4 rate

539.1

hTRIG5 rate

107.9

hTRIG6 rate

73.0

Data ok

Junk

coin_sparse
 coin
 coin_sparse_low

Comments:

Events 564K
 Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 6.45 (μ A)

Run Number:

5295

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

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

Start time (from RC):

13:47

Stop time (from RC):

14:17

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

1.22E6

hTRIG3 rate

4358.8

hTRIG4 rate

1913.6

hTRIG5 rate

1116.9

hTRIG6 rate

481.6

Data ok

Junk

coin_sparse
 coin
 coin_sparse_low

Comments:

1/16

Events 2.9M
 Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.71%

Max NPS anode current (single crystal) 6.84 (μ A)

Run Number:

5296

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

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

Start time (from RC):

14:18

Stop time (from RC):

14:49

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

1.22E6

hTRIG3 rate

4413.9

hTRIG4 rate

1944.9

hTRIG5 rate

1150.7

hTRIG6 rate

507.3

Data ok

Junk

coin_sparse
 coin
 coin_sparse_low

Comments:

2/16

Events 3.2M
 Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.88%

Max NPS anode current (single crystal) 6.74 (μ A)

p(e,e' γ) p Run Sheet

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

Date: 24 / 03 / 14
 yy mm dd

Initials: PR

Use a separate sheet for each configuration.

Kinematics: KinC_x50.0b

E_{beam}: 6368 GeV

Raster: On Off
 Size: 2x2

Purpose:
 Production
 Test
 Optics
 Other: _____

HMS, field, current OK?
 yes no

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm	<u>.3</u> mm	
Nomin:		
3H07C	X	Y
<u>.7</u> mm	<u>.3</u> mm	
Nomin:		

HMS
 p: +/- 2.64 θ (TV): 25.93
From GUI Nearest 0.005

SHMS
 θ (TV): -33.92
Nearest 0.005

NPS
 θ = **SHMS**
-16.30°
Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 968 Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

Run Number: <u>5297</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>14:51</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.23E6</u>	hTRIG3 rate <u>4415.0</u>	hTRIG4 rate <u>1888.6</u>
I _{beam} : <u>20</u> μ A			Stop time (from RC): <u>15:21</u>		hTRIG5 rate <u>1138.</u>	hTRIG6 rate <u>496.1</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>3/16</u>		Events <u>2.9M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.85%</u>	Max NPS anode current (single crystal) <u>6.84</u> (μ A)		

Run Number: <u>5298</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>15:22</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.20E6</u>	hTRIG3 rate <u>4394.1</u>	hTRIG4 rate <u>1870.6</u>
I _{beam} : <u>20</u> μ A			Stop time (from RC): <u>15:53</u>		hTRIG5 rate <u>1128.3</u>	hTRIG6 rate <u>504.5</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>4/16</u>		Events <u>3.0M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.85%</u>	Max NPS anode current (single crystal) <u>6.74</u> (μ A)		

Run Number: <u>5299</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>15:54</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.20E6</u>	hTRIG3 rate <u>4345.9</u>	hTRIG4 rate <u>1874.2</u>
I _{beam} : <u>19.6</u> μ A			Stop time (from RC): <u>16:29</u>		hTRIG5 rate <u>1131.1</u>	hTRIG6 rate <u>497.1</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>5/16</u>		Events <u>2.8M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>5.73</u> (μ A)		

Run Number: <u>5300</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>16:30</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.20E6</u>	hTRIG3 rate <u>4320</u>	hTRIG4 rate <u>1876</u>
I _{beam} : <u>20</u> μ A			Stop time (from RC): <u>16:30</u>		hTRIG5 rate <u>1071</u>	hTRIG6 rate <u>504</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>6/16 ; DAQ issue 15 min into the run</u>		Events _____ Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>6.76</u> (μ A)		

p(e,e' γ) p Run Sheet

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

Date: 24/03/14
yy mm dd

Initials: AS

Use a separate sheet for each configuration.

Kinematics: KinC_x50-06

E_{beam}: 6.368 GeV

Raster: On Off
Size: 2x2

- Purpose:**
 Production
 Test
 Optics
 Other: _____

HMS, field, current OK?
 yes no

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.3</u> mm
Nomin:		
3H07C	X	Y
<u>0.6</u> mm		<u>0.3</u> mm
Nomin:		

HMS
 p: +/- _____ θ (TV): 25.93
From GUI Nearest 0.005

SHMS
 θ (TV): 33.42
Nearest 0.005

NPS
 θ = SHMS -16.30°
Nearest 0.005

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>5301</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>1648</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.2e+06</u>	hTRIG3 rate <u>4400</u>	hTRIG4 rate <u>1800</u>
I _{beam} : <u>20</u> μ A			Stop time (from RC): <u>1725</u>		hTRIG5 rate <u>1100</u>	hTRIG6 rate <u>480</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>6/16</u>			Events <u>3.7M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)	

Run Number: <u>5302</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>1726</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.2e+06</u>	hTRIG3 rate <u>4376</u>	hTRIG4 rate <u>1905</u>
I _{beam} : <u>20</u> μ A			Stop time (from RC): <u>1759</u>		hTRIG5 rate <u>1040</u>	hTRIG6 rate <u>485</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>7/16</u>			Events <u>3.5M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A) <u>6.77</u>	

Run Number: <u>5303</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>1759</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.2e+06</u>	hTRIG3 rate <u>4341</u>	hTRIG4 rate <u>1860</u>
I _{beam} : <u>20</u> μ A			Stop time (from RC):		hTRIG5 rate <u>1042</u>	hTRIG6 rate <u>495</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>8/16; Beam down ~15 min of data</u>			Events <u>3.5M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.972%</u>	Max NPS anode current (single crystal) (μ A) <u>6.88</u>	

Run Number: <u>5304</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>2117</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.25e+06</u>	hTRIG3 rate <u>4384</u>	hTRIG4 rate <u>1913</u>
I _{beam} : <u>20</u> μ A			Stop time (from RC):		hTRIG5 rate <u>1163</u>	hTRIG6 rate <u>525</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
coin_sparse <input checked="" type="checkbox"/> in <input type="checkbox"/> in_sparse_low <input type="checkbox"/>	Comments: <u>ROB not updating this run. DAQ issue suspected. Restart DAQ</u>			Events <u>3.7M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)	

50k looks ok though.

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

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

Date: 24 / 03 / 14
yy mm dd

Initials: AS

Use a separate sheet for each configuration.

Kinematics: KinC_x50-06

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

E_{beam} : 6.368 GeV

Raster: On Off
Size: 2 x 2

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>0.6</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

HMS

SHMS

NPS

p : +/- _____ θ (TV): 25.93
From GUI Nearest 0.005

θ (TV): 33.92
Nearest 0.005

θ = SHMS -16.30°
Nearest 0.005

Collimator:

HMS: Large
Sieve

NPS Sweep Magnet
 I = 488 Amp

NPS Upstream Corr.
 I = 0 Amp

NPS Upstream Corr.
 I = 0 Amp

Run Number:

5305

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

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

Start time (from RC):

2134

Stop time (from RC):

2217

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

1.24e+06

hTRIG3 rate

4243

hTRIG4 rate

1874

hTRIG5 rate

1124

hTRIG6 rate

519

Data ok

Junk

coin_sparse
coin
coin_sparse_low

Comments: 9/16

Events 4.6M
Charge C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 7 (μ A)

Run Number:

5306

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

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

Start time (from RC):

2218

Stop time (from RC):

2249

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

1.22e+06

hTRIG3 rate

4314

hTRIG4 rate

1871

hTRIG5 rate

1073

hTRIG6 rate

508

Data ok

Junk

coin_sparse
coin
coin_sparse_low

Comments: 10/16

Events 3.2M
Charge C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 7 (μ A)

Run Number:

5307

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

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

Start time (from RC):

2244

Stop time (from RC):

2323

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

1.22e+06

hTRIG3 rate

4242

hTRIG4 rate

1870

hTRIG5 rate

1074

hTRIG6 rate

476

Data ok

Junk

coin_sparse
coin
coin_sparse_low

Comments: 11/16

Events 2.8M
Charge C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 7 (μ A)

Run Number:

5308

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

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

Start time (from RC):

2324

Stop time (from RC):

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

1.24e+06

hTRIG3 rate

4361

hTRIG4 rate

1911

hTRIG5 rate

1162

hTRIG6 rate

495

Data ok

Junk

coin_sparse
in
coin_sparse_low

Comments: 12/16

Events 3M
Charge C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 6.40 (μ A)

p(e,e' γ) p Run Sheet

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

Date: 24 / 03 / 14
 yy mm dd

Initials: EW

Use a separate sheet for each configuration.

Kinematics: KinC_x50_06

Purpose:
 Production
 Test
 Optics
 Other: _____

HMS, field, current OK?
 yes no

E_{beam}: 6.368 GeV

Raster: On Off
 Size: 2x2

Beam position and angle on target:

HMS
 p: +0.638 θ (TV): 25.93
From GUI Nearest 0.005

SHMS
 θ (TV): 33.92
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:		
3H07C	X	Y
<u>0.6</u> mm	<u>0.3</u> mm	
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>5309</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>23:56</u> Stop time (from RC): <u>00:27</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.22e+06</u> hTRIG5 rate: <u>1127</u>	hTRIG3 rate: <u>4339</u> hTRIG6 rate: <u>483</u>	hTRIG4 rate: <u>1860</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>20</u> μ A	Comments: <u>13/16</u>		Events <u>2.8M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100</u>	Max NPS anode current (single crystal): <u>6.89</u> (μ A)		

Run Number: <u>5310</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>00:28</u> Stop time (from RC): <u>00:58</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.23e+06</u> hTRIG5 rate: <u>1117</u>	hTRIG3 rate: <u>4474</u> hTRIG6 rate: <u>1053</u>	hTRIG4 rate: <u>1922</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>20</u> μ A	Comments: <u>14/16</u>		Events <u>3.1M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100</u>	Max NPS anode current (single crystal): <u>6.73</u> (μ A)		

Run Number: <u>5311</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>00:59</u> Stop time (from RC): <u>01:29</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.21e+06</u> hTRIG5 rate: <u>1118</u>	hTRIG3 rate: <u>4358</u> hTRIG6 rate: <u>488</u>	hTRIG4 rate: <u>1882</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>20</u> μ A	Comments: <u>15/16</u>		Events <u>3M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100</u>	Max NPS anode current (single crystal): <u>6.98</u> (μ A)		

Run Number: <u>5312</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>01:30</u> Stop time (from RC): <u>02:06</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.21e+06</u> hTRIG5 rate: <u>1119</u>	hTRIG3 rate: <u>4346</u> hTRIG6 rate: <u>488</u>	hTRIG4 rate: <u>1846</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
I _{beam} : <u>20</u> μ A	Comments: <u>16/16</u>		Events <u>3.2M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100</u>	Max NPS anode current (single crystal): <u>6.99</u> (μ A)		

p(e,e' γ) p Run Sheet

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

Date: 24/03/15
yy mm dd

Initials: RW

Use a separate sheet for each configuration.

Kinematics: KinC_x 50-06

E_{beam}: 6.368 GeV

Raster: On Off
Size: 2x2

Purpose:

- Production
 Test
 Optics
 Other: _____

HMS, field,
current OK?

yes no

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>0.6</u> mm	<u>0.3</u> mm	
Nomin:		Nomin:

HMS

p: +0.2638 θ (TV): 25.43
From GUI Nearest 0.005

SHMS

θ (TV): 33.905
Nearest 0.005

NPS

θ = SHMS 17.605
-16.30° Nearest 0.005

Collimator:

HMS: Large Sieve

NPS Sweep Magnet
I = 46 Amp

NPS Upstream Corr.
I = 8 Amp

NPS Upstream Corr.
I = 8 Amp

Run Number:

5313

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

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

Start time (from RC):

02:02

Stop time (from RC):

02:22

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

8.42e+05

hTRIG3 rate

335

hTRIG4 rate

1434

hTRIG5 rate

600

hTRIG6 rate

288

Data ok

Junk

coin_sparse

coin

coin_sparse_low

Comments:

Events 1.6M

Charge C

Active trigger LiveTime fraction (NPS Scaler Gui)

100

Max NPS anode current (single crystal)

6.09 (μ A)

Run Number:

5314

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

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

Start time (from RC):

02:23

Stop time (from RC):

02:53

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

5.03e+05

hTRIG3 rate

2235

hTRIG4 rate

997

hTRIG5 rate

292

hTRIG6 rate

144

Data ok

Junk

coin_sparse

coin

coin_sparse_low

Comments:

Events 1.6M

Charge C

Active trigger LiveTime fraction (NPS Scaler Gui)

100

Max NPS anode current (single crystal)

6.04 (μ A)

Run Number:

5315

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

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

Start time (from RC):

02:55

Stop time (from RC):

03:10

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

1.22e+06

hTRIG3 rate

4341

hTRIG4 rate

1836

hTRIG5 rate

1092

hTRIG6 rate

518

Data ok

Junk

coin_sparse

coin

coin_sparse_low

Comments:

Events 465k

Charge C

Active trigger LiveTime fraction (NPS Scaler Gui)

100

Max NPS anode current (single crystal)

6.62 (μ A)

Run Number:

I_{beam}: _____ μ A

- 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

coin_sparse

in

coin_sparse_low

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

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

Date: 24 / 03 / 15
 yy mm dd

Initials: EW

Use a separate sheet for each configuration.

Kinematics: KinC_x 50-0a

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?

yes no

E_{beam}: 6.368 GeV

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:		
3H07C	X	Y
<u>0.6</u> mm	<u>0.3</u> mm	
Nomin:		

HMS

SHMS

NPS

p: +10 2.638 From GUI θ (TV): 25.93 Nearest 0.005

θ (TV): 30.30 Nearest 0.005

θ = SHMS 14
 -16.30° Nearest 0.005

Collimator:

HMS: Large Sieve

NPS Sweep Magnet I = 466 Amp

NPS Upstream Corr. I = 0 Amp

NPS Upstream Corr. I = 0 Amp

Run Number:

5316

I_{beam}: 30 μ A

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

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

Start time (from RC):

03:21

Stop time (from RC):

03:52

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

hTRIG1 rate

1.76e+06

hTRIG3 rate

1498

hTRIG4 rate

1034

hTRIG5 rate

794

hTRIG6 rate

420

- Data ok
- Junk

coin_sparse
 coin
 coin_sparse_low

Comments: 1/8

Events 1.68M
 Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) 100

Max NPS anode current (single crystal) 16.57 (μ A)

Run Number:

5317

I_{beam}: 30 μ A

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

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

Start time (from RC):

03:53

Stop time (from RC):

04:23

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

hTRIG1 rate

1.71e+06

hTRIG3 rate

1477

hTRIG4 rate

1083

hTRIG5 rate

775

hTRIG6 rate

412

- Data ok
- Junk

coin_sparse
 coin
 coin_sparse_low

Comments: 2/8

Events 1.81M
 Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) 100

Max NPS anode current (single crystal) 16.19 (μ A)

Run Number:

5318

I_{beam}: 30 μ A

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

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

Start time (from RC):

04:24

Stop time (from RC):

04:54

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

hTRIG1 rate

1.68e+06

hTRIG3 rate

2048

hTRIG4 rate

1075

hTRIG5 rate

797

hTRIG6 rate

416

- Data ok
- Junk

coin_sparse
 coin
 coin_sparse_low

Comments: 3/8

Events 1.4M
 Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) 100

Max NPS anode current (single crystal) 16.26 (μ A)

Run Number:

5319

I_{beam}: 30 μ A

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

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

Start time (from RC):

04:55

Stop time (from RC):

05:24

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

hTRIG1 rate

1.70e+06

hTRIG3 rate

2033

hTRIG4 rate

1071

hTRIG5 rate

746

hTRIG6 rate

396

- Data ok
- Junk

coin_sparse
 coin
 coin_sparse_low

Comments: 4/8

Events 1.7M
 Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) 100

Max NPS anode current (single crystal) 15.77 (μ A)

p(e,e' γ) p Run Sheet

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

Date: 24, 03, 15
yy mm dd

Initials: EW

Use a separate sheet for each configuration.

Kinematics: KinC_x50-0a

E_{beam}: 6.366 GeV

Raster: On Off
Size: 2x2

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?
yes no

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>0.6</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

HMS
p: $+0.2638$ θ (TV): 25.93
From GUI Nearest 0.005

SHMS
 θ (TV): 30, 30
Nearest 0.005

NPS
 θ = SHMS 14
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve
NPS Sweep Magnet I = 168 Amp
NPS Upstream Corr. I = 0 Amp
NPS Upstream Corr. I = 0 Amp

Run Number: <u>5320</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>05:24</u> Stop time (from RC): <u>05:54</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.65e+06</u> hTRIG5 rate: <u>757</u>	hTRIG3 rate: <u>1950</u> hTRIG6 rate: <u>394</u>	hTRIG4 rate: <u>1092</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse
coin
coin_sparse_low
Comments: 5/8
Events 1.75M Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) 15.74 (μ A)
Charge C

Run Number: <u>5321</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>05:55</u> Stop time (from RC): <u>06:25</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.68e+06</u> hTRIG5 rate: <u>762</u>	hTRIG3 rate: <u>2024</u> hTRIG6 rate: <u>406</u>	hTRIG4 rate: <u>1049</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse
coin
coin_sparse_low
Comments: 6/8
Events 1.6M Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) 15.08 (μ A)
Charge C

Run Number: <u>5322</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>06:26</u> Stop time (from RC): <u>06:56</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.65e+06</u> hTRIG5 rate: <u>705</u>	hTRIG3 rate: <u>1993</u> hTRIG6 rate: <u>397</u>	hTRIG4 rate: <u>1029</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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coin_sparse
coin
coin_sparse_low
Comments: 7/8
Events 1.8M Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) 15.57 (μ A)
Charge C

Run Number: <u>5323</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>06:57</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>1.70e+06</u> hTRIG5 rate: <u>808</u>	hTRIG3 rate: <u>1994</u> hTRIG6 rate: <u>406</u>	hTRIG4 rate: <u>1079</u> <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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coin_sparse
in
coin_sparse_low
Comments: DAQ had to be reset
Events _____ Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) 15.91 (μ A)
Charge C

p(e,e' γ) p Run Sheet

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

Date: 24/03/15
yy mm dd

Initials: EW

Use a separate sheet for each configuration.

Kinematics: KinC_x 50-0a

E_{beam}: 6.368 GeV

Raster: On Off
Size: 2x2

Purpose:
 Production
 Test
 Optics
 Other: _____

HMS, field, current OK?
yes no

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>0.6</u> mm		<u>0.3</u> mm
Nomin:		Nomin:

HMS
p: +2.638 θ (TV): 25.93
From GUI Nearest 0.005

SHMS
 θ (TV): 30.30
Nearest 0.005

NPS
 θ = SHMS 146
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 968 Amp NPS Upstream Corr. I = 8 Amp NPS Upstream Corr. I = 0 Amp

Run Number: <u>5324</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>07:07</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.65e+06</u>	hTRIG3 rate <u>1443</u>	hTRIG4 rate <u>1016</u>
I _{beam} : <u>30</u> μ A	Comments:		Stop time (from RC): <u>07:37</u>		hTRIG5 rate <u>660</u>	hTRIG6 rate <u>374</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>8/8</u>	Events <u>1.75M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) (μ A) <u>15.14</u>
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Run Number: <u>5325</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>07:39</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>8.95e+05</u>	hTRIG3 rate <u>1359</u>	hTRIG4 rate <u>726</u>
I _{beam} : <u>20</u> μ A	Comments:		Stop time (from RC): <u>07:59</u>		hTRIG5 rate <u>315</u>	hTRIG6 rate <u>182</u>	<input 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>755k</u> <u>19.82M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) (μ A) <u>10.39</u>
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Run Number: <u>5326</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>08:01</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>3.98e+05</u>	hTRIG3 rate <u>718</u>	hTRIG4 rate <u>381</u>
I _{beam} : <u>10</u> μ A	Comments:		Stop time (from RC): <u>08:32</u>		hTRIG5 rate <u>103</u>	hTRIG6 rate <u>71</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>69k</u> <u>6.7M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) (μ A) <u>6.13</u>
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Run Number: <u>5327</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>08:35</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
I _{beam} : <u>36</u> μ A	Comments:		Stop time (from RC): <u>8:50</u>		hTRIG5 rate	hTRIG6 rate	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

coin_sparse <input type="checkbox"/> in <input checked="" type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Comments:	Events <u>19k</u> <u>2.07M</u> Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) (μ A)
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p(e,e'γ) p Run Sheet

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

Date: 24 08 15
 yy mm dd

Initials: T-S

Use a separate sheet for each configuration.

Kinematics: KinC_x50_00

E_{beam}: 4.368 GeV

Raster: On Off
 Size: 2x2

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?
 yes no

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:

HMS
 p: +0.2638 From GUI θ(TV): 25.93 Nearest 0.005

SHMS
 θ(TV): 30.3 Nearest 0.005

NPS
 θ = SHMS 14
 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve
 NPS Sweep Magnet I = 460 Amp
 NPS Upstream Corr. I = 0 Amp
 NPS Upstream Corr. I = 0 Amp

Run Number: 5328
 I_{beam}: 30 μA
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
 PS1: 1 PS2: 1 PS3: 1 PS4: 0 PS5: 1 PS6: 1
 Start time (from RC): 9:00
 Stop time (from RC): 9:15
 Settings Verified? HV OK? 50k OK?
 hTRIG1 rate: 16266 hTRIG3 rate: 241 hTRIG4 rate: 1070
 hTRIG5 rate: 974 hTRIG6 rate: 461
 Data ok Junk

coin_sparse coin coin_sparse_low
 Comments: LH2 → dummy
 Events: 301K Charge: 2178mC
 Active trigger LiveTime fraction (NPS Scaler Gui): 99.961
 Max NPS anode current (single crystal): 31.22 (μA)

Run Number: 5329
 I_{beam}: 15 μA
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
 PS1: 1 PS2: 1 PS3: 1 PS4: 0 PS5: 1 PS6: 1
 Start time (from RC): 9:17
 Stop time (from RC): 9:38
 Settings Verified? HV OK? 50k OK?
 hTRIG1 rate: 1066 hTRIG3 rate: 132 hTRIG4 rate: 570
 hTRIG5 rate: 313 hTRIG6 rate: 139.8
 Data ok Junk

coin_sparse coin coin_sparse_low
 Comments: _____
 Events: 315K Charge: 15.48mC
 Active trigger LiveTime fraction (NPS Scaler Gui): 99.97
 Max NPS anode current (single crystal): 15.9 (μA)

Run Number: 5330
 I_{beam}: 15 μA
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
 PS1: 1 PS2: 1 PS3: 1 PS4: 0 PS5: 1 PS6: 1
 Start time (from RC): 9:48
 Stop time (from RC): 10:10
 Settings Verified? HV OK? 50k OK?
 hTRIG1 rate: 12906 hTRIG3 rate: 3277 hTRIG4 rate: 1412
 hTRIG5 rate: 1349 hTRIG6 rate: 588
 Data ok Junk

coin_sparse coin coin_sparse_low
 Comments: 1/16
 Events: 25K Charge: 2A-54mC
 Active trigger LiveTime fraction (NPS Scaler Gui): 99.923
 Max NPS anode current (single crystal): 12.95 (μA)

Run Number: 5331
 I_{beam}: 15 μA
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
 PS1: 1 PS2: 1 PS3: 1 PS4: 0 PS5: 1 PS6: 1
 Start time (from RC): 10:20
 Stop time (from RC): 10:45
 Settings Verified? HV OK? 50k OK?
 hTRIG1 rate: 1906 hTRIG3 rate: 3297 hTRIG4 rate: 430
 hTRIG5 rate: 1376 hTRIG6 rate: 600
 Data ok Junk

coin_sparse coin coin_sparse_low
 Comments: 2/16
 Events: 25K Charge: 5.06mC
 Active trigger LiveTime fraction (NPS Scaler Gui): 99.906
 Max NPS anode current (single crystal): 15.03 (μA)

p(e,e' γ) p Run Sheet

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

Date: 24 / 03 / 15
 yy mm dd

Initials: F-S

Use a separate sheet for each configuration.

Kinematics: KinC_x50_0a

E_{beam}: 6.368 GeV

Raster: On Off
 Size: 2/2

Purpose:
 Production
 Test
 Optics
 Other: _____

HMS, field, current OK?
 yes no

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:

HMS
 p: + 2-638 θ (TV): 25.93
From GUI Nearest 0.005

SHMS
 θ (TV): 30.31
Nearest 0.005

NPS
 θ = SHMS 14
 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve
 NPS Sweep Magnet I = 40 Amp
 NPS Upstream Corr. I = 0 Amp
 NPS Upstream Corr. I = 0 Amp

Run Number: <u>5332</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>0</u> PS5: <u>1</u> PS6: <u>1</u>	Start time (from RC): <u>10:51</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.4e6</u>	hTRIG3 rate <u>1381</u>	hTRIG4 rate <u>1447</u>
I _{beam} : <u>15</u> μ A			Stop time (from RC): 11:22 <u>11:22</u>		hTRIG5 rate <u>1462</u>	hTRIG6 rate <u>60</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>3/16</u>		Events <u>2.4M</u> <u>24.14m</u> Charge <u>C</u>	Active trigger fraction (NPS Scaler Gui) <u>100</u>	LiveTime <u>100</u>	Max NPS anode current (single crystal) (μ A) <u>13.3</u>	

Run Number: <u>5333</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>0</u> PS5: <u>1</u> PS6: <u>1</u>	Start time (from RC): 11:23 <u>11:23</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.7e6</u>	hTRIG3 rate <u>3226</u>	hTRIG4 rate <u>1406</u>
I _{beam} : <u>15</u> μ A			Stop time (from RC): <u>12:02</u>		hTRIG5 rate <u>1337</u>	hTRIG6 rate <u>578</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>4/16</u>		Events <u>2.4M</u> <u>22.07m</u> Charge <u>C</u>	Active trigger fraction (NPS Scaler Gui) <u>99.85</u>	LiveTime <u>99.85</u>	Max NPS anode current (single crystal) (μ A) <u>12.3</u>	

Run Number: <u>5334</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>0</u> PS5: <u>1</u> PS6: <u>1</u>	Start time (from RC): <u>12:03</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.94e6</u>	hTRIG3 rate <u>3106</u>	hTRIG4 rate <u>1497</u>
I _{beam} : <u>15</u> μ A			Stop time (from RC): <u>12:39</u>		hTRIG5 rate <u>1439</u>	hTRIG6 rate <u>615</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>5/16</u>		Events <u>2.4M</u> <u>24.59m</u> Charge <u>C</u>	Active trigger fraction (NPS Scaler Gui) <u>99.954</u>	LiveTime <u>99.954</u>	Max NPS anode current (single crystal) (μ A) <u>13.24</u>	

Run Number: <u>5335</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>0</u> PS5: <u>1</u> PS6: <u>1</u>	Start time (from RC): <u>12:35</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.28e6</u>	hTRIG3 rate <u>3245</u>	hTRIG4 rate <u>1394</u>
I _{beam} : <u>15</u> μ A			Stop time (from RC): <u>13:06</u>		hTRIG5 rate <u>1361</u>	hTRIG6 rate <u>594</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>6/16</u>		Events <u>2.4M</u> <u>24.42m</u> Charge <u>C</u>	Active trigger fraction (NPS Scaler Gui) <u>99.991</u>	LiveTime <u>99.991</u>	Max NPS anode current (single crystal) (μ A) <u>12.63</u>	

p(e,e' γ) p Run Sheet

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

Date: 29 / 03 / 15
 yy mm dd

Initials: F-5

Use a separate sheet for each configuration.

Kinematics: KinC_x 50-0a

E_{beam}: 6.368 GeV

Raster: On Off
 Size: 2x1

Purpose:
 Production
 Test
 Optics
 Other: _____

HMS, field, current OK?
 yes no

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:

HMS
 p: 2656 From GUI θ (TV): 25.95
 Nearest 0.005

SHMS
 θ (TV): 30.51
 Nearest 0.005

NPS
 θ = SHMS 14
 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet 1 = 4.5 Amp NPS Upstream Corr. 1 = 0 Amp
 NPS Upstream Corr. 1 = 0 Amp

Run Number: 5336
 I_{beam}: 15 μ A

<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>0</u> PS5: <u>1</u> PS6: <u>1</u>	Start time (from RC): <u>13:07</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>19106</u> hTRIG5 rate <u>1401</u>	hTRIG3 rate <u>3296</u> hTRIG6 rate <u>623</u>	hTRIG4 rate <u>1437</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 7/16

coin_sparse coin coin_sparse_low

Events 2.47 Active trigger LiveTime fraction (NPS Scaler Gui) 99.828 Max NPS anode current (single crystal) 13.27 (μ A)
 Charge 25.34m C

Run Number: 5337
 I_{beam}: 15 μ A

<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>0</u> PS5: <u>1</u> PS6: <u>1</u>	Start time (from RC): <u>13:40</u> Stop time (from RC): <u>14:12</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>19006</u> hTRIG5 rate <u>1345</u>	hTRIG3 rate <u>3277</u> hTRIG6 rate <u>629</u>	hTRIG4 rate <u>1413</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 8/16

coin_sparse coin coin_sparse_low

Events 2.44 Active trigger LiveTime fraction (NPS Scaler Gui) 99.957 Max NPS anode current (single crystal) 12.97 (μ A)
 Charge 25.38m C

Run Number: 5338
 I_{beam}: 15 μ A

<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>0</u> PS5: <u>1</u> PS6: <u>1</u>	Start time (from RC): <u>14:13</u> Stop time (from RC): <u>14:48</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1906</u> hTRIG5 rate <u>1338</u>	hTRIG3 rate <u>331</u> hTRIG6 rate <u>603</u>	hTRIG4 rate <u>1410</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 9/16

coin_sparse coin coin_sparse_low

Events 2.44 Active trigger LiveTime fraction (NPS Scaler Gui) 97.999 Max NPS anode current (single crystal) 12.9 (μ A)
 Charge 24.06 C

Run Number: 5339
 I_{beam}: 15 μ A

<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>0</u> PS5: <u>1</u> PS6: <u>1</u>	Start time (from RC): <u>14:49</u> Stop time (from RC): <u>15:20</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>18906</u> hTRIG5 rate <u>1413</u>	hTRIG3 rate <u>3299</u> hTRIG6 rate <u>595</u>	hTRIG4 rate <u>1450</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 10/16

coin_sparse coin coin_sparse_low

Events 2.44 Active trigger LiveTime fraction (NPS Scaler Gui) 99.905 Max NPS anode current (single crystal) 12.98 (μ A)
 Charge 24.3m C

p(e,e'γ) p Run Sheet

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

Date: 24 03 15
yy mm dd

Initials: T.S

Use a separate sheet for each configuration.

Kinematics: KinC_x 30-0a

E_{beam}: 6368 GeV

Raster: On Off
Size: 2x2

Purpose:
 Production
 Test
 Optics
 Other: _____

HMS, field, current OK?
yes no

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>0.6</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

HMS
p: 2-658 θ(TV): 25.93
From GUI Nearest 0.005

SHMS
θ(TV): 30-31
Nearest 0.005

NPS
θ = SHMS 14
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Magnet I = 4.8 Amp NPS Upstream Corr. I = 6 Amp NPS Upstream Corr. I = 6 Amp

Run Number: <u>5340</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>6</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>15:21</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>185e6</u>	hTRIG3 rate <u>3170</u>	hTRIG4 rate <u>1413</u>
I _{beam} : <u>15</u> μA	Comments: <u>11/16</u>		Stop time (from RC): <u>15:59</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk	hTRIG5 rate <u>1398</u>	hTRIG6 rate <u>608</u>	
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Events <u>2.4M</u> Charge <u>24</u> C		Active trigger fraction (NPS Scaler Gui) <u>99.868</u>	LiveTime <u>12.9</u>	Max NPS anode current (single crystal) (μA) <u>12.9</u>		

Run Number: <u>5341</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>6</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>15:53</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.9e6</u>	hTRIG3 rate <u>3313</u>	hTRIG4 rate <u>1425</u>
I _{beam} : <u>15</u> μA	Comments: <u>12/16</u>		Stop time (from RC): <u>16:27</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk	hTRIG5 rate <u>1367</u>	hTRIG6 rate <u>623</u>	
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Events <u>2.6M</u> Charge <u>C</u>		Active trigger fraction (NPS Scaler Gui) <u>99.964</u>	LiveTime <u>12.9</u>	Max NPS anode current (single crystal) (μA) <u>12.9</u>		

Run Number: <u>5342</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>16:28</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.9e+06</u>	hTRIG3 rate <u>3310</u>	hTRIG4 rate <u>1429</u>
I _{beam} : <u>15</u> μA	Comments: <u>13/16</u>		Stop time (from RC): <u>17:00</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk	hTRIG5 rate <u>1355</u>	hTRIG6 rate <u>606</u>	
coin_sparse <input checked="" type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Events <u>2.3M</u> Charge <u>C</u>		Active trigger fraction (NPS Scaler Gui) <u>100</u>	LiveTime <u>13</u>	Max NPS anode current (single crystal) (μA) <u>13</u>		

Run Number: <u>5343</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>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>17:01</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.9e+06</u>	hTRIG3 rate <u>3230</u>	hTRIG4 rate <u>1418</u>
I _{beam} : <u>15</u> μA	Comments: <u>14/16 ; Q2 interlock alarm</u>		Stop time (from RC): <u>17:11</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk	hTRIG5 rate <u>1358</u>	hTRIG6 rate <u>541</u>	
coin_sparse <input checked="" type="checkbox"/> in <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>	Events <u>760K</u> Charge <u>C</u>		Active trigger fraction (NPS Scaler Gui)	LiveTime <u>13</u>	Max NPS anode current (single crystal) (μA) <u>13</u>		

p(e,e' γ) p Run Sheet

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

Date: 24 / 03 / 15
 yy mm dd

Initials: AS

Use a separate sheet for each configuration.

Kinematics: KinC_x50-0b

E_{beam}: 6.368 GeV

Raster: On Off
 Size: 2x2

Purpose:

- Production
- Test
- Optics
- Other: _____

HMS, field, current OK?
 yes no

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>0.6</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

HMS
 p: +/- -2.638 θ (TV): 25.93
From GUI Nearest 0.005

SHMS
 θ (TV): 30.3
Nearest 0.005

NPS
 θ = SHMS -16.30°
Nearest 0.005

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>5344</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 <input checked="" type="checkbox"/> LED	PS1: <u>-1</u> PS2: <u>0</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>2131</u> Stop time (from RC): <u>2209</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} : _____ μ A	Comments:			Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>5.83</u> (μ A)	
coin_sparse <input type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>					hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Run Number: <u>5345</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 <input checked="" type="checkbox"/> LED	PS1: <u>-1</u> PS2: <u>0</u> PS3: <u>-1</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	hTRIG3 rate	hTRIG4 rate
I _{beam} : _____ μ A	Comments:			Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) _____ (μ A)	
coin_sparse <input type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>					hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Run Number: <u>5346</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 <input checked="" type="checkbox"/> LED	PS1: <u>-1</u> PS2: <u>0</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>00:14</u> Stop time (from RC): <u>00:27</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
I _{beam} : _____ μ A	Comments: <u>stopped to change HV</u>			Events <u>502</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) _____ (μ A)	
coin_sparse <input type="checkbox"/> coin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>					hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Run Number: <u>5347</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 <input checked="" type="checkbox"/> LED	PS1: <u>-1</u> PS2: <u>0</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>00:31</u> Stop time (from RC): <u>08:05</u>	<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} : _____ μ A	Comments: <u>cosmic</u>			Events <u>17k</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) _____ (μ A)	
coin_sparse <input type="checkbox"/> oin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>					hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Run Number: <u>5347</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 <input checked="" type="checkbox"/> LED	PS1: <u>-1</u> PS2: <u>0</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>00:31</u> Stop time (from RC): <u>08:05</u>	<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} : _____ μ A	Comments: <u>with cosmic</u>			Events <u>17k</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) _____ (μ A)	
coin_sparse <input type="checkbox"/> oin <input type="checkbox"/> coin_sparse_low <input type="checkbox"/>					hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

p(e,e') p Run Sheet

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

Date: 24/03/16
yy mm dd

Initials: T-S

Use a separate sheet for each configuration.

Kinematics: KinC_x50_0a

E_{beam}: 6.368 GeV

Raster: On Off
Size: 2x2

Purpose:
 Production
 Test
 Optics
 Other: _____

HMS, field, current OK?

yes no

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:		

HMS

SHMS

NPS

p: +0.638 From GUI θ (TV): 25.93 Nearest 0.005

θ (TV): 30.3 Nearest 0.005

θ = SHMS 19
-16.30° Nearest 0.005

Collimator:

HMS: Large Sieve

NPS Sweep Magnet I = 4.68 Amp

NPS Upstream Corr. I = _____ Amp

NPS Upstream Corr. I = 8 Amp

Run Number:

5348

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

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

Start time (from RC):

8:16

Stop time (from RC):

16:07

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

hTRIG1 rate

hTRIG3 rate

hTRIG4 rate

hTRIG5 rate

hTRIG6 rate

- Data ok
- Junk

I_{beam}: _____ μ A

- coin sparse
- coin
- coin_sparse_low

Comments:

Cosmic

Events 18k
Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

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

Run Number:

5349

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

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

Start time (from RC):

16:08

Stop time (from RC):

18:57

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

hTRIG1 rate

hTRIG3 rate

hTRIG4 rate

hTRIG5 rate

hTRIG6 rate

- Data ok
- Junk

I_{beam}: _____ μ A

- coin_sparse
- coin cosmic
- coin_sparse_low

Comments:

Cosmics. The last few mins was affected by work in the hall

Events _____
Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

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

Run Number:

5350

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

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

Start time (from RC):

19:47

Stop time (from RC):

19:49

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

hTRIG1 rate

hTRIG3 rate

hTRIG4 rate

hTRIG5 rate

hTRIG6 rate

- Data ok
- Junk

I_{beam}: _____ μ A

- coin_sparse
- coin cosmic
- coin_sparse_low

Comments:

test run

Events _____
Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

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

Run Number:

5351

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

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

Start time (from RC):

21:19

Stop time (from RC):

7:01:26

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

hTRIG1 rate

hTRIG3 rate

hTRIG4 rate

hTRIG5 rate

hTRIG6 rate

- Data ok
- Junk

I_{beam}: _____ μ A

- coin_sparse
- in cosmic
- coin_sparse_low

Comments:

Cosmics after PMT base replacement

Events 21.5k
Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

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