p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 26 (yy / mm / dd) Initials: DG

Kinematics: KinC_x 50-1

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.454 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

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

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

HMS

p: +/- 4.726 (From GUI) θ(TV): 16.755 (Nearest 0.005)

SHMS

θ(TV): 35.28 (Nearest 0.005)

NPS

θ = SHMS −16.30° = 18.98 (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

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Run Number: 3247

I_{beam}: 12 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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: NPS Scalers not counting

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3248

I_{beam}: 12 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 01:55 Stop time (from RC): 02:17

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate .29 MHz hTRIG3 rate 2300 Hz hTRIG4 rate 1880 Hz

hTRIG5 rate 222 Hz hTRIG6 rate 210 Hz

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: ~20 min

Events 206 K Charge 13 nC

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 1.36 (μA)

Run Number: 3249

I_{beam}: ~36 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 02:1 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: PS3: 2 ~20 min Scalers again

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3250

I_{beam}: 36 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 02:25 Stop time (from RC): 02:55

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.06 MHz hTRIG3 rate 6.7 kHz hTRIG4 rate 5.3 kHz

hTRIG5 rate 1.5 kHz hTRIG6 rate 1.3 kHz

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: PS3: 2, trippy

Events 3.8M Charge 57 nC

Active trigger LiveTime fraction (NPS Scaler Gui) NA

99.73%

Max NPS anode current (single crystal) 4.12 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 26 (yy / mm / dd) Initials: DU

Kinematics: KinC_x 50-1

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.454 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

3H07A	X: 1.699 mm (Nomin: 1.7)	Y: 0.301 mm (Nomin: 0.3)
3H07C	X: .705 mm (Nomin: 0.7)	Y: 0.311 mm (Nomin: 0.3)

HMS p: +/- 4.726 (From GUI) θ(TV): 16.755 (Nearest 0.005)

SHMS θ(TV): 35.28 (Nearest 0.005)

NPS θ = SHMS −16.30° 18.98 (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

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Run Number: 3251 | I_{beam}: 24 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 02:59 | Stop time (from RC): 03:80

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: .67 MHz | hTRIG3 rate: 4630 Hz | hTRIG4 rate: 3540 Hz | hTRIG5 rate: 700 Hz | hTRIG6 rate: 560 Hz

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: ~40 min + end of run error → no HCly

Events 9M | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui): NA | Max NPS anode current (single crystal): 2.7 (μA)

Run Number: 3252 | I_{beam}: 12 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 03:50 | Stop time (from RC): 04:11

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 176 MHz | hTRIG3 rate: 2310 Hz | hTRIG4 rate: 1780 Hz | hTRIG5 rate: 881 Hz | hTRIG6 rate: 730 Hz

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☑

Comments: weird anode current readings

Events 812 K | Charge 12 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): NA (μA)

Run Number: 3253 | I_{beam}: 36 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 04:12 | Stop time (from RC): 04:23

☑ 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: No beam for a bit

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

Run Number: 3254 | I_{beam}: 36 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 04:3 | Stop time (from RC): 0

☑ 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: DAQ issue

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:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 23 / 11 / 26 (yy / mm / dd) Initials: DY

Kinematics: KinC_x 50.1

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.45 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

HMS p: +/- 4.726 (From GUI) θ(TV): 16.755 (Nearest 0.005)

SHMS θ(TV): 35.28 (Nearest 0.005)

NPS θ = SHMS −16.30° 18.98 (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y
1.700 mm (Nomin: 1.7)	.302 mm (Nomin: .3)
3H07C X	**3H07C Y**
.702 mm (Nomin: .7)	.312 mm (Nomin: .3)

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

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Run Number: 3255 | I_{beam}: 36 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 04:32 Stop time (from RC): 04:56

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate .892 MHz | hTRIG3 rate 6770 Hz | hTRIG4 rate 5380 Hz

hTRIG5 rate 1390 Hz | hTRIG6 rate 1050 Hz

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: barely below 100 MB/s (waited for 50k replay)

Events _____ Charge 42 mC

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

Max NPS anode current (single crystal): ~~NA~~ N/A (μA)

Run Number: 3256 | I_{beam}: 36 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 05:03 Stop time (from RC): 05:20

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.1 MHz | hTRIG3 rate 6470 Hz | hTRIG4 rate 4730 Hz

hTRIG5 rate 1800 Hz | hTRIG6 rate 1130 Hz

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Dummy target

Events 908 K Charge 27.8 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.95 %

Max NPS anode current (single crystal): 6.10 (μA)

Run Number: 3257 | I_{beam}: 18 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 05:22 Stop time (from RC): 05:41

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate .471 MHz | hTRIG3 rate 3220 Hz | hTRIG4 rate 2320 Hz

hTRIG5 rate 380 Hz | hTRIG6 rate 290 Hz

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 266 K Charge 16 mC

Active trigger LiveTime fraction (NPS Scaler Gui): —

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

Run Number: 3258 | I_{beam}: 18 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 05:52 Stop time (from RC): 06:58

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.58 MHz | hTRIG3 rate 8600 Hz | hTRIG4 rate 6000 Hz

hTRIG5 rate 2860 Hz | hTRIG6 rate 2200 Hz

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1 hour

Events 7.156 M Charge 553 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.76 %

Max NPS anode current (single crystal): 3.60 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 26 (yy / mm / dd) Initials: DU

Kinematics: KinC_x 50-1

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

HMS, field, current OK? yes ☐ no ☐

E_{beam}: 8.45 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

HMS p: +10 4.725 (From GUI) θ(TV): 16.755 (Nearest 0.005)

SHMS θ(TV): 35.28 (Nearest 0.005)

NPS θ = SHMS −16.30° = 18.58 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	___ mm (Nomin: 1.7)	___ mm (Nomin: .3)
3H07C	___ mm (Nomin: .7)	___ mm (Nomin: .3)

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

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Run Number: 3259 | I_{beam}: 18 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 07:01 | Stop time (from RC): 07:34

☑ 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: Issue w/ HMS Q3 Interlock

Events 3.1M | Charge 29 nC

Active trigger LiveTime fraction (NPS Scaler Gui): —

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

Run Number: 3260 | I_{beam}: 18 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 10:40:23 | Stop time (from RC): 11:50:17

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.58e6 | hTRIG3 rate: 8627 | hTRIG4 rate: 6539

hTRIG5 rate: 2909 | hTRIG6 rate: 2226

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1 hour

Events 8198378 | Charge 64.45 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.250%

Max NPS anode current (single crystal): 3.48 (μA)

Run Number: 3261 | I_{beam}: 18 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 11:52:08 | Stop time (from RC): 12:54:43

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.56e6 | hTRIG3 rate: 7445 | hTRIG4 rate: 6426

hTRIG5 rate: 2810 | hTRIG6 rate: 2154

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1 hour

Events 7497356 | Charge 58.41 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.812%

Max NPS anode current (single crystal): 3.13 (μA)

Run Number: 3262 | I_{beam}: 18 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 12:57:18 | Stop time (from RC): 14:03:29

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.56e6 | hTRIG3 rate: 8559 | hTRIG4 rate: 6520

hTRIG5 rate: 2854 | hTRIG6 rate: 2147

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1 hour

Events 7546471 | Charge 58.82 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.639

Max NPS anode current (single crystal): 3.46 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 26 (yy / mm / dd) Initials: YZ

Kinematics: KinC_x50-1

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2x2mm

Beam position and angle on target:

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

HMS: p: +0 4.726 (From GUI) θ(TV): 16.755 (Nearest 0.005)

SHMS: θ(TV): 35.28 (Nearest 0.005)

NPS: θ = SHMS −16.30° 18.98 (Nearest 0.005)

Collimator: HMS: ☑ Large ☐ Sieve | NPS Sweep Magnet I = 461.93 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3263 | I_{beam}: 18 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 14:05:09 | Stop time (from RC): 15:12:54

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.55e6 | hTRIG3 rate: 8543 | hTRIG4 rate: 6501 | hTRIG5 rate: 2797 | hTRIG6 rate: 2142

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1 hour

Events 7712530 | Charge 61.5mC

Active trigger LiveTime fraction (NPS Scaler Gui): 96.775%

Max NPS anode current (single crystal): 3.68 (μA)

Run Number: 3264 | I_{beam}: 12 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 15:15:30 | Stop time (from RC): 15:38:45

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.01e6 | hTRIG3 rate: 5653 | hTRIG4 rate: 4333 | hTRIG5 rate: 1227 | hTRIG6 rate: 941

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 20 min

Events 1295913 | Charge 15.03mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.949

Max NPS anode current (single crystal): 2.23 (μA)

Run Number: 3265 | I_{beam}: 6 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 15:42:16 | Stop time (from RC): 16:03:52

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 4.63e5 | hTRIG3 rate: 2946 | hTRIG4 rate: 2252 | hTRIG5 rate: 344 | hTRIG6 rate: 272

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 20 min

Events 328k | Charge 7.06mC

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

Max NPS anode current (single crystal): 1.04 (μA)

Run Number: 3266 | I_{beam}: 18 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: — PS2: — PS3: 2 PS4: — PS5: — PS6: —

Start time (from RC): 16:06:00 | Stop time (from RC): 16:29:21

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.57e5 | hTRIG3 rate: 8530 | hTRIG4 rate: 6561 | hTRIG5 rate: 2788 | hTRIG6 rate: 2209

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 20 min

Events 264k | Charge 20.59mC

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

Max NPS anode current (single crystal): 3.50 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 26 (yy / mm / dd) Initials: DA

Kinematics: KinC_x 50-1

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

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

HMS: p: +/- 4.726 (From GUI) θ(TV): 16.755 (Nearest 0.005)

SHMS: θ(TV): 35.28 (Nearest 0.005)

NPS: θ = SHMS −16.30° = 18.98 (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

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Run Number: 3267 | I_{beam}: 12 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 16:30:35 | Stop time (from RC): 17:15

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.04e6 | hTRIG3 rate: 5812 | hTRIG4 rate: 4422 | hTRIG5 rate: 1259 | hTRIG6 rate: 966

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 12 μA, 40 min.

Events 10.7M | Charge 28.16 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 2.38 (μA)

Run Number: 3268 | I_{beam}: 6 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 17:17:55 | Stop time (from RC): 17:40:35

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.78e6 | hTRIG3 rate: 2930 | hTRIG4 rate: 2245 | hTRIG5 rate: 1114 | hTRIG6 rate: 870

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☑

Comments: 6 uA, 20 min

Events 1.1M | Charge 7.5 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 111.48 (μA)

Run Number: 3269 | I_{beam}: 18 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 17:42:25 | Stop time (from RC): 17:56:12

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.33e6 | hTRIG3 rate: 8537 | hTRIG4 rate: 8515 | hTRIG5 rate: 2411 | hTRIG6 rate: 1873

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: 18uA, 10min

Events 2791K | Charge 12.02 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 111.46 (μA)

Run Number: _____ | I_{beam}: _____ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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): _____ (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 26 (yy / mm / dd) Initials: DA

Kinematics: KinC_x50_-1'

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 9.458 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

	X	Y
3H07A	1.69 mm (Nomin: 1.7)	0.3 mm (Nomin: 0.3)
3H07C	0.7 mm (Nomin: 0.7)	0.29 mm (Nomin: 0.3)

HMS p: +/- 4.726 From GUI; θ(TV): 16.755 Nearest 0.005

SHMS θ(TV): 33.38 Nearest 0.005

NPS θ = SHMS −16.30° = 17.08 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: 3270 | I_{beam}: 36 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 18:05:12 | Stop time (from RC): 19:21:10

☑ Settings Verified? ☑ HV OK? ☒ 50k OK?

hTRIG1 rate: 1.50 e6 | hTRIG3 rate: 4530 | hTRIG4 rate: 6756 | hTRIG5 rate: 2157 | hTRIG6 rate: 1790

☒ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1 hr

Events 6.42M | Charge 124.28 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 5.63 (μA)

Run Number: 3271 | I_{beam}: 36 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 19:22:58 | Stop time (from RC): 20:41:56

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.49 e6 | hTRIG3 rate: 6928 | hTRIG4 rate: 5510 | hTRIG5 rate: 2140 | hTRIG6 rate: 1712

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1 hr

Events 6.4M | Charge 139.82 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 5.34 (μA)

Run Number: 3272 | I_{beam}: 24 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 20:42:51 | Stop time (from RC): 21:06:15

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 9.76 e5 | hTRIG3 rate: 4530 | hTRIG4 rate: 3634 | hTRIG5 rate: 975 | hTRIG6 rate: 779

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 20 min

Events 993K | Charge 29.40 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 3.85 (μA)

Run Number: 3273 | I_{beam}: 12 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 21:07:10 | Stop time (from RC): 21:32:16

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 4.42 e5 | hTRIG3 rate: 2323 | hTRIG4 rate: 1920 | hTRIG5 rate: 292 | hTRIG6 rate: 240

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 20 min

Events 318K | Charge 15.67 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 1.73 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 26 (yy / mm / dd) Initials: DA

Kinematics: KinC_x 50-1'

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.458 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

	X	Y
3H07A	1.71 mm (Nomin: 1.7)	0.33 mm (Nomin: 0.3)
3H07C	0.69 mm (Nomin: 0.7)	0.20 mm (Nomin: 0.3)

HMS p: +/- 4.726 (From GUI) θ(TV): 16.755 (Nearest 0.005)

SHMS θ(TV): 33.38 (Nearest 0.005)

NPS θ = SHMS −16.30° = 17.08 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 406 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3274 | I_{beam}: ____ μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 21:33:38 | Stop time (from RC): 21:57:02

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.47e6 | hTRIG3 rate 6734 | hTRIG4 rate 5391 | hTRIG5 rate 2088 | hTRIG6 rate 1679

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 20 min

Events 2.78M Charge 42.27 mC

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

Max NPS anode current (single crystal): 4.56 (μA)

Run Number: 3275 | I_{beam}: 24 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 21:58:08 | Stop time (from RC): 22:30:07

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 9.49 e5 | hTRIG3 rate 4521 | hTRIG4 rate 3564 | hTRIG5 rate 987 | hTRIG6 rate 791

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: (~40 min) Stopped early due to beam dump. Only about 15 min of beam.

Events 3.3M Charge 20.95 mC

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

Max NPS anode current (single crystal): 3.50 (μA)

Run Number: 3276 | I_{beam}: 24 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 5:27 | Stop time (from RC): 5:52

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.0 * 10⁶ | hTRIG3 rate 4567 | hTRIG4 rate 3612 | hTRIG5 rate 967 | hTRIG6 rate 786

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: This is step 2, 1, 5 (repeat / cont.) SHMS 33.38° LH2 40 min @ 24 μA coin_sparse ps4=0

Events 4.85M Charge 30 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.0 (μA)

Run Number: | I_{beam}: 12 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 5:56 | Stop time (from RC): 6:16

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.86 * 10⁶ | hTRIG3 rate 2321 | hTRIG4 rate 1861 | hTRIG5 rate 933 | hTRIG6 rate 778

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☒

Comments:

Events 874k Charge 13 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 1 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 27 (yy / mm / dd) Initials: RM

Kinematics: KinC_x50_1'

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2 X 2 mm

HMS p: +/- -4.726 (From GUI) θ(TV): 16.755 (Nearest 0.005)

SHMS θ(TV): 33.38 (Nearest 0.005)

NPS θ = SHMS −16.30° = 17.08 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.69 mm	.29 mm
Nomin:	same	Nomin:

3H07C	X	Y
	.70 mm	.30 mm
Nomin:		Nomin:

Collimator: HMS: Large ☒ Sieve ☐ | NPS Sweep Magnet I = 462 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3278 | I_{beam}: 36 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 06:19 | Stop time (from RC): 6:30

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.31 *10^6 | hTRIG3 rate 6781 | hTRIG4 rate 5255

hTRIG5 rate 1887 | hTRIG6 rate 1519

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☒ coin_sparse_low ☐

Comments: rate < 150 MB

Events 300k Charge 20 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 2 (μA)

Run Number: 3279 | I_{beam}: 36 μA

☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 6:40 | Stop time (from RC): 6:57

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.57 *10^6 | hTRIG3 rate 6610 | hTRIG4 rate 4761

hTRIG5 rate 2128 | hTRIG6 rate 1596

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: item 1.2.2.1 (dummy)

Events 1.1 M Charge 25 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 %

Max NPS anode current (single crystal): 7 (μA)

Run Number: 3280 | I_{beam}: 18 μA

☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 6:59 | Stop time (from RC): 7:15

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 718k | hTRIG3 rate 3296 | hTRIG4 rate 2397

hTRIG5 rate 512 | hTRIG6 rate 396

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 357k Charge 16 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 4 (μA)

Run Number: 3281 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 7:23 | Stop time (from RC): 8:26

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.8 *10^6 | hTRIG3 rate 7173 | hTRIG4 rate 5380

hTRIG5 rate 2749 | hTRIG6 rate 2071

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: The first of 5 runs hopefully.

Events 6.7 M Charge 46 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.8 %

Max NPS anode current (single crystal): 3 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 27 (yy / mm / dd) Initials: MK

Kinematics: KinC_x 50_1'

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

HMS p: +/- −4.726 (From GUI) θ(TV): 16.755 (Nearest 0.005)

SHMS θ(TV): 33.38 (Nearest 0.005)

NPS θ = SHMS −16.30° 17.08 (Nearest 0.005)

Beam position and angle on target:

3H07A X	Y
1.703 mm Nomin:	0.304 mm Nomin:
3H07C X	**Y**
0.69 mm Nomin:	0.29 mm Nomin:

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

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Run Number: 3282 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 8:27 | Stop time (from RC): 9:31

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.75·10^6 | hTRIG3 rate 7066 | hTRIG4 rate 5426

hTRIG5 rate 2684 | hTRIG6 rate 2035

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 6.76M | Charge 46mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.18 % | Max NPS anode current (single crystal) 3.84 (μA)

Run Number: 3283 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 9:32 | Stop time (from RC): 10:33

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.76·10^6 | hTRIG3 rate 7143 | hTRIG4 rate 5430

hTRIG5 rate 2706 | hTRIG6 rate 2060

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 6.74M | Charge 46mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.31 % | Max NPS anode current (single crystal) 3.77 (μA)

Run Number: 3284 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 10:34 | Stop time (from RC): 11:42

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.73·10^6 | hTRIG3 rate 7147 | hTRIG4 rate 5469

hTRIG5 rate 2690 | hTRIG6 rate 2082

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 7.2M | Charge 50mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.69 % | Max NPS anode current (single crystal) 3.96 (μA)

Run Number: 3285 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 11:43 | Stop time (from RC): 12:46

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 1.74·10^6 | hTRIG3 rate 7151 | hTRIG4 rate 5413

hTRIG5 rate 2635 | hTRIG6 rate 2049

☐ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 7.0M | Charge 49mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.57 % | Max NPS anode current (single crystal) 4.03 (μA)

p(e,e γ) p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 27 (yy mm dd) Initials: MK

Kinematics: KinC_x 50_1'

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: ______

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

	X	Y
3H07A	1.70 mm (Nomin:)	0.29 mm (Nomin:)
3H07C	0.70 mm (Nomin:)	0.30 mm (Nomin:)

HMS -4.726 p: +/- ~~[illegible]~~ (From GUI) θ(TV): 16.755 (Nearest 0.005)

SHMS θ(TV): 33.38 (Nearest 0.005)

NPS θ = SHMS −16.30° 17.08 (Nearest 0.005)

Collimator: HMS: Large ☑ Sleve ☐ | *NPS Sweep Magnet I =* 468 *Amp* | *NPS Upstream Corr. I =* 0 *Amp* | NPS Upstream Corr. I = 0 Amp

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Run Number: 3286 I_{beam}: 10 μA

Target: ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% r.l. ☐ ______

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

Start time (from RC): 12:48 Stop time (from RC): 13:10

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	hTRIG5 rate	hTRIG6 rate
$1.17 \cdot 10^6$	4737	3611	1194	902

☑ Data ok ☐ Junk

coin_sparse ☒ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 946K *Charge* 9.5 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.3%

Max NPS anode current (single crystal): 2.70 (μA)

Run Number: 3287 I_{beam}: 5 μA

Target: ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% r.l. ☐ ______

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

Start time (from RC): 13:11 Stop time (from RC): 13:35

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	hTRIG5 rate	hTRIG6 rate
$5.43 \cdot 10^6$	2430	1871	344	270

☑ Data ok ☐ Junk

coin_sparse ☒ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 340K *Charge* 6 mC

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

Max NPS anode current (single crystal): 1.50 (μA)

Run Number: 3288 I_{beam}: 15 μA

Target: ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% r.l. ☐ ______

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

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

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	hTRIG5 rate	hTRIG6 rate
$1.74 \cdot 10^6$	7225	5485	2673	2037

☑ Data ok ☐ Junk

coin_sparse ☒ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 2.7 mil *Charge* 15 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 0.0%

Max NPS anode current (single crystal): 4.05 (μA)

Run Number: 3289 I_{beam}: 10 μA

Target: ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% r.l. ☐ ______

PS1: -1 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: Junk

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:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 23 / 11 / 27 (yy / mm / dd) Initials: MG

Kinematics: KinC_x 50_1'

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

HMS p: +/- −4.726 (From GUI) θ(TV): 16.755 (Nearest 0.005)

SHMS θ(TV): 33.38 (Nearest 0.005)

NPS θ = SHMS −16.30° = 17.08 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.69 mm (Nomin:)	0.29 mm (Nomin:)
3H07C	0.70 mm (Nomin:)	0.31 mm (Nomin:)

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

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Run Number: 3290 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 14:01 | Stop time (from RC): 14:11

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 1.2×10^6 | hTRIG3 rate 4779 | hTRIG4 rate 3588 | hTRIG5 rate 1233 | hTRIG6 rate 951

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10 min of 40 min setting

Events 1.7m | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 0% | Max NPS anode current (single crystal): 2.67 (μA)

Run Number: 3291 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 19:55:20 | Stop time (from RC): 20:30:07

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.23e6 | hTRIG3 rate 4734 | hTRIG4 rate 3616 | hTRIG5 rate 1259 | hTRIG6 rate 954

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 30min of 40 min setting

Events 669130 | Charge 1.16m C | Active trigger LiveTime fraction (NPS Scaler Gui): ~100% | Max NPS anode current (single crystal): 2.65 (μA)

Run Number: 3292 | I_{beam}: 5 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 20:33:26 | Stop time (from RC): 20:47:42

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.84e6 | hTRIG3 rate 2461 | hTRIG4 rate 1902 | hTRIG5 rate 973 | hTRIG6 rate 759

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☑ coin_sparse_low

Comments: 7.5min of 20 min coin_sparse_low

Events 346945 | Charge 2.15 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.967% | Max NPS anode current (single crystal): 1.~ (μA)

Run Number: 3293 | I_{beam}: 5 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 20:52:57 | Stop time (from RC): 21:06:48

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.85e6 | hTRIG3 rate 2460 | hTRIG4 rate 1848 | hTRIG5 rate 979 | hTRIG6 rate 763

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☑ coin_sparse_low

Comments: of 20mn coin_sparse_low

Events 523934 | Charge 3.45m C | Active trigger LiveTime fraction (NPS Scaler Gui): ~100% | Max NPS anode current (single crystal): 1.~ (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 27 (yy / mm / dd) Initials: YZ

Kinematics: KinC_x 50_1 and 50_1

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.458 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

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

HMS	SHMS	NPS
p: +(0) 4.726 From GUI	θ(TV): 33.385 Nearest 0.005	θ = SHMS −16.30° = 17.085 Nearest 0.005 (for kinx50_1')
θ(TV): 16.745 Nearest 0.005	35.275	18.975 (for kinx50_1)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 8 Amp (467.93) | NPS Upstream Corr. I = ~~47.0~~ Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3294 | I_{beam}: 15 μA | ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____ | PS1: — PS2: — PS3: — PS4: — PS5: — PS6: 3 | Start time (from RC): 21:10:09 | Stop time (from RC): 21:21:45 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 1.59e6 | hTRIG3 rate 7206 | hTRIG4 rate 5492 | hTRIG5 rate 2518 | hTRIG6 rate 1933 | ☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐ | Comments: KinC_x50_1' 10 min | Events 228970 | Charge 8.99 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.976% | Max NPS anode current (single crystal) 4.~ (μA)

Run Number: 3295 | I_{beam}: 36 μA | ☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____ | PS1: — PS2: — PS3: — PS4: — PS5: — PS6: 0 | Start time (from RC): 21:37:37 | Stop time (from RC): 22:49:56 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 1.08e6 | hTRIG3 rate 6751 | hTRIG4 rate 5368 | hTRIG5 rate 1605 | hTRIG6 rate 1285 | ☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐ | Comments: KinC_x50_1 1 hour | Events 3934164 | Charge 109.74m C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.96% | Max NPS anode current (single crystal) 4.3 (μA)

Run Number: 3296 | I_{beam}: 36 μA | ☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____ | PS1: — PS2: — PS3: — PS4: — PS5: — PS6: 0 | Start time (from RC): 22:52:48 | Stop time (from RC): 00:07:22 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 1.08e6 | hTRIG3 rate 6714 | hTRIG4 rate 5331 | hTRIG5 rate 1539 | hTRIG6 rate 1240 | ☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐ | Comments: KinC_x50_1 1 hour | Events 4.68m | Charge 124.5m C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.869% | Max NPS anode current (single crystal) 4.33 (μA)

Run Number: 3297 | I_{beam}: 24 μA | ☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____ | PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0 | Start time (from RC): 00:09:01 | Stop time (from RC): | ☑ Settings Verified? ☐ HV OK? ☑ 50k OK? | hTRIG1 rate 6.5e5 | hTRIG3 rate 4540.5 | hTRIG4 rate 3579 | hTRIG5 rate 696 | hTRIG6 rate 595 | ☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐ | Comments: 20min run. | Events 749K | Charge 10.45m C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.978% | Max NPS anode current (single crystal) 2.97 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 28 (yy / mm / dd) Initials: DPC

Kinematics: KinC_x 50_1

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

HMS, field, current OK? yes ☑ no ☐

E_{beam} 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2mm

Beam position and angle on target:

3H07A	X	Y
	1.69 mm	0.3 mm
Nomin:		Nomin:

3H07C	X	Y
	0.69 mm	0.3 mm
Nomin:		Nomin:

HMS p: θ/- 4.726 From GUI θ(TV): 16.745 Nearest 0.005

SHMS θ(TV): 35.275 Nearest 0.005

NPS θ = SHMS −16.30° 18.475 Nearest 0.005

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 467.92 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 3298 | I_{beam}: 12 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 00:36:46 | Stop time (from RC): 01:02:44

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.85e5 | hTRIG3 rate 2291.4 | hTRIG4 rate 1877.9 | hTRIG5 rate 219.5 | hTRIG6 rate 1745

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 20 min run.

Events 749k Charge ___C

Active trigger LiveTime fraction (NPS Scaler Gui): 100.00%

Max NPS anode current (single crystal): 1.58 (μA)

Run Number: 3299 | I_{beam}: 36 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 01:05:26 | Stop time (from RC): 01:34:54.

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.06e6 | hTRIG3 rate 6770.4 | hTRIG4 rate 5242 | hTRIG5 rate 1563.9 | hTRIG6 rate 1245.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 20 min run

Events 3.3m Charge 50.04m C

Active trigger LiveTime fraction (NPS Scaler Gui): 0.00% PS3

Max NPS anode current (single crystal): 4.3 (μA)

Run Number: 3300 | I_{beam}: 24 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 01:36:37 | Stop time (from RC): 01:54:23

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 6.7e5 | hTRIG3 rate 4535.7 | hTRIG4 rate NA | hTRIG5 rate 688.7 | hTRIG6 rate NA

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 40 min Ended Beam off ~5 mins good Beam

Events 363k Charge 2.08m C

Active trigger LiveTime fraction (NPS Scaler Gui): NA

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

Run Number: 3301 | I_{beam}: 24 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 01:57.45 | 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: 40min Run. Code errors. Junk

Events ___ Charge ___C

Active trigger LiveTime fraction (NPS Scaler Gui):

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

p(e,eγ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 28 (yy / mm / dd) Initials: MC

Kinematics: KinC_x 50_1

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☐ On ☐ Off Size: _____

HMS p: +/- 4.726 (From GUI) θ(TV): 16.74 (Nearest 0.005)

SHMS θ(TV): 35.275 (Nearest 0.005)

NPS θ = SHMS −16.30° 18.475 (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y
1.69 mm (Nomin:)	0.3 mm (Nomin:)
3H07C X	**3H07C Y**
0.69 mm (Nomin:)	0.3 mm (Nomin:)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 2672 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3302 | I_{beam}: 24 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 02:02:15 | Stop time (from RC): 02:51:09

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 6.63e5 | hTRIG3 rate 4612.1 | hTRIG4 rate 3612.8 | hTRIG5 rate 700.6 | hTRIG6 rate 5765

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: 40 min Run

Events 9.2M | Charge 58.28 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 0 PS4 | Max NPS anode current (single crystal) 2.75 (μA)

Run Number: 3303 | I_{beam}: 12 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 02:53:38 | Stop time (from RC): 03:20:23

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.76e6 | hTRIG3 rate 2257.7 | hTRIG4 rate 1826.9 | hTRIG5 rate 890.3 | hTRIG6 rate 709.8

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☑ coin_sparse_low

Comments: 20 min Run

Events 1.07M | Charge 173 nC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.963 % | Max NPS anode current (single crystal) N/A (μA)

Run Number: 3304 | I_{beam}: 36 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 03:32:48 | Stop time (from RC): 03:44:32

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 8.73e5 | hTRIG3 rate 6749.2 | hTRIG4 rate 5347.9 | hTRIG5 rate 1301.0 | hTRIG6 rate 1051.9

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: 10 ~~20~~ min

Events 173K | Charge 7.04 nC | Active trigger LiveTime fraction (NPS Scaler Gui) 99 % | Max NPS anode current (single crystal) N/A (μA)

Run Number: 3305 | I_{beam}: 36 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 04:09:28 | Stop time (from RC): 04:31:19

☑ 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: 15 min Run.

Events 901K | Charge 28.15 nC | 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:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 23 / 11 / 28 (yy / mm / dd) Initials: JPC

Kinematics: KinC_x 50.1

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.48 GeV

Raster: ☑ On ☐ Off Size: 2x2mm

Beam position and angle on target:

	X	Y
3H07A	1.7 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.71 mm (Nomin:)	0.2 mm (Nomin:)

HMS
p: +HB 4.726 (From GUI) θ(TV): 16.745 (Nearest 0.005)

SHMS
θ(TV): 35.275 (Nearest 0.005)

NPS
θ = SHMS −16.30°: 18.1175 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 461.93 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3806
I_{beam}: 18 μA
☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____
PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
Start time (from RC): 04:34:03
Stop time (from RC): 04:54:00
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate 4.75e5 | hTRIG3 rate 3273.3 | hTRIG4 rate 2401.2
hTRIG5 rate 361.0 | hTRIG6 rate 296.2
☑ Data ok ☐ Junk
coin_sparse ☑ coin ☐ coin_sparse_low ☐
Comments: 15min Run
Events 247k Charge 14.39 mC
Active trigger LiveTime fraction (NPS Scaler Gui): 100.00%
Max NPS anode current (single crystal): 3.53 (μA)

Run Number: 3807
I_{beam}: 18 μA
☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____
PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
Start time (from RC): 05:10:20
Stop time (from RC): 06:24:20
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate 1.58e6 | hTRIG3 rate 8770.2 | hTRIG4 rate 6538.7
hTRIG5 rate 2885.6 | hTRIG6 rate 2195.8
☑ Data ok ☐ Junk
coin_sparse ☑ coin ☐ coin_sparse_low ☐
Comments: 1st 1Hr Run.
Events 8.2M Charge 65.52 mC
Active trigger LiveTime fraction (NPS Scaler Gui): 99.862%
Max NPS anode current (single crystal): 3.74 (μA)

Run Number: 3308
I_{beam}: 18 μA
☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____
PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
Start time (from RC): 06:25:36
Stop time (from RC): 07:51:43
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate 1.56e6 | hTRIG3 rate 8741.5 | hTRIG4 rate 6426.4
hTRIG5 rate 2810.4 | hTRIG6 rate 2148.0
☑ Data ok ☐ Junk
coin_sparse ☐ coin ☐ coin_sparse_low ☐
Comments: 2nd 1Hr Run
Events 9.5M Charge 76.35 mC
Active trigger LiveTime fraction (NPS Scaler Gui): 99.778
Max NPS anode current (single crystal): 3.7 (μA)

Run Number: 3309
I_{beam}: 18 μA
☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____
PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
Start time (from RC): 07:59:07
Stop time (from RC): 09:00:07
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate 1.56e6 | hTRIG3 rate 8671.2 | hTRIG4 rate 6644
hTRIG5 rate 2803 | hTRIG6 rate 2190
☑ Data ok ☐ Junk
coin_sparse ☑ coin ☐ coin_sparse_low ☐
Comments: 3rd 1hr Run.
Events 6827k Charge 54 mC
Active trigger LiveTime fraction (NPS Scaler Gui): 99.84
Max NPS anode current (single crystal): 3.71 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23/11/28 (yy/mm/dd) Initials: Hao

Kinematics: KinC_x 50-1

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

HMS, field, current OK? yes ☐ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2×2 mm²

HMS p: +04.726 From GUI θ(TV): 16.745 Nearest 0.005

SHMS θ(TV): 32.275 Nearest 0.005

NPS θ = SHMS −16.30° 18.475 Nearest 0.005

Beam position and angle on target:

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

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

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Run Number: 3310 | I_{beam}: 18 μA | ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____ | PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0 | Start time (from RC): 09:01 | Stop time (from RC): 10:02 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 1.54 e6 | hTRIG3 rate 8700.7 | hTRIG4 rate 6568.5 | hTRIG5 rate 2862.2 | hTRIG6 rate 2238.9 | ☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐ | Comments: 4th one hour run | Events 6936k Charge 56 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.776 | Max NPS anode current (single crystal) 3.61 (μA)

Run Number: 3311 | I_{beam}: 18 μA | ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____ | PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0 | Start time (from RC): 10:03 | Stop time (from RC): 11:03 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 1.52 e6 | hTRIG3 rate 8508 | hTRIG4 rate 6462.6 | hTRIG5 rate 2790.6 | hTRIG6 rate 2134.8 | ☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐ | Comments: 5th one hour run | Events 6.8m Charge 55 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.735 | Max NPS anode current (single crystal) 3.67 (μA)

Run Number: 3312 | I_{beam}: 12 μA | ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____ | PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0 | Start time (from RC): 11:04:49 | Stop time (from RC): 11:27:41 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 1.01 e6 | hTRIG3 rate 5759.9 | hTRIG4 rate 4440.7 | hTRIG5 rate 1236.5 | hTRIG6 rate 974.1 | ☑ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☐ | Comments: 20min Run. | Events 1.18m Charge 14 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.865 | Max NPS anode current (single crystal) 2.66 (μA)

Run Number: 3313 | I_{beam}: 6 μA | ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____ | PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0 | Start time (from RC): 11:29:41 | Stop time (from RC): 12:00 | ☑ Settings Verified? ☐ HV OK? ☑ 50k OK? | hTRIG1 rate 4.5 e5 | hTRIG3 rate 2903.7 | hTRIG4 rate 2228.6 | hTRIG5 rate 319.1 | hTRIG6 rate 265.2 | ☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐ | Comments: 20min. | Events 261k Charge 5 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 1624 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: ___/___/___ (yy mm dd) Initials: _____

Kinematics: KinC_x 50-1

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

HMS, field, current OK? yes ☐ no ☐

E_{beam}: 8.451 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

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

HMS p: +24.726 From GUI θ(TV): 16.945 Nearest 0.005

SHMS θ(TV): 32.275 Nearest 0.005

NPS θ = SHMS −16.30° 18.475 Nearest 0.005

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

---

Run Number: 3314 | I_{beam}: 18 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 12:03 | Stop time (from RC): 12:25

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.57 e6 | hTRIG3 rate: 8701.6 | hTRIG4 rate: 5878.7

hTRIG5 rate: 2696.6 | hTRIG6 rate: 2196

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 300k Charge 18mC

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal): 3.6 (μA)

Run Number: 3315 | I_{beam}: 12 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 12:26 | Stop time (from RC): 12:34

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.03 e6 | hTRIG3 rate: 5839.9 | hTRIG4 rate: 4435.5

hTRIG5 rate: 1263.7 | hTRIG6 rate: 987.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: PEB 1 error at 12:34, no end of run entry

Events ~~____~~ Charge ____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal): 2.48 (μA)

Run Number: 3316 | I_{beam}: 12 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 12:36 | Stop time (from RC): 13:10

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.03 e6 | hTRIG3 rate: 5886.7 | hTRIG4 rate: 4426.4

hTRIG5 rate: 1271.7 | hTRIG6 rate: 973.2

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 8133 Charge 21mC

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal): 2.61 (μA)

Run Number: 3317 | I_{beam}: 6 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 13:12 | Stop time (from RC): 13:34

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.79 e6 | hTRIG3 rate: 2900.5 | hTRIG4 rate: 2236.2

hTRIG5 rate: 1142.5 | hTRIG6 rate: 897.2

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☑

Comments:

Events 867k Charge 5.78 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.928

Max NPS anode current (single crystal): 111.27 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 28 (yy / mm / dd) Initials: Hao

Kinematics: KinC_x 50-1'

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

HMS, field, current OK? yes ☐ no ☐

E_{beam}: 8.458 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

HMS p: +~~5~~ 4.726 From GUI θ(TV): 16.759 Nearest 0.005

SHMS 33.38 θ(TV): ~~[illegible]~~ Nearest 0.005

NPS θ = SHMS −16.30° 17.08 Nearest 0.005

Beam position and angle on target:

3H07A X	3H07A Y
1.7 mm Nomin:	0.3 mm Nomin:
3H07C X	**3H07C Y**
0.7 mm Nomin:	0.3 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: 3318 | I_{beam}: 18 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 13:37 | Stop time (from RC): 13:47

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.31 e6 | hTRIG3 rate: 8555.2 | hTRIG4 rate: 6466.6 | hTRIG5 rate: 2433.5 | hTRIG6 rate: 1890.6

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments:

Events 186K | Charge 8.1 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 111.32 (μA)

Run Number: 3319 | I_{beam}: 24 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 14:05 | Stop time (from RC): 15:11

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 9.44 e5 | hTRIG3 rate: 4458.4 | hTRIG4 rate: 3596.2 | hTRIG5 rate: 965.9 | hTRIG6 rate: 780.7

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1st one hour run

Events 256.5K | Charge 7.1 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.935 | Max NPS anode current (single crystal): 3.72 (μA)

Run Number: 3320 | I_{beam}: 24 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 15:12 | Stop time (from RC): 16:12

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 9.35 e5 | hTRIG3 rate: 4413.3 | hTRIG4 rate: 4184.8 | hTRIG5 rate: 1559.7 | hTRIG6 rate: 1058

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2nd one hour run.

Events 2.2M | Charge 64.08 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.955 | Max NPS anode current (single crystal): 3.56 (μA)

Run Number: 3321 | I_{beam}: 12 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 16:19 | Stop time (from RC): 16:41

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 4.300·10⁵ | hTRIG3 rate: 2216.5 | hTRIG4 rate: 1836.3 | hTRIG5 rate: 270.4 | hTRIG6 rate: 226.9

☑ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 20 min run 2.1.3

Events 226K | Charge 9.96 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 2.09 (μA)

p(e,eγ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 28 (yy / mm / dd) Initials: CP

Kinematics: KinC_x50-1'

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

3H07A	X	Y
	1.71 mm	0.28 mm
Nomin:		Nomin:
3H07C	X	Y
	0.69 mm	0.29 mm
Nomin:		Nomin:

HMS: p: +/- 4.726 From GUI; θ(TV): _____ Nearest 0.005

SHMS: θ(TV): 33.38 Nearest 0.005

NPS: θ = SHMS −16.30° = 17.08 Nearest 0.005

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = 611 Amp | NPS Upstream Corr. I = 10 Amp

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Run Number: 3322 | I_{beam}: 24 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 16:55 | Stop time (from RC): 17:15

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: $6.10 \cdot 10^5$ | hTRIG3 rate: 4410.5 | hTRIG4 rate: 3518.3

hTRIG5 rate: 925.6 | hTRIG6 rate: 749.8

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 20 Min; #2.1.4

Events 1.4M | Charge 21.26 M C

Active trigger LiveTime fraction (NPS Scaler Gui): 0.00%

Max NPS anode current (single crystal): ≈ 1.10 (μA)

Run Number: 3323 | I_{beam}: 24 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 17:19 | Stop time (from RC): ~17:59

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: $7.95 \cdot 10^5$ | hTRIG3 rate: 5513.2 | hTRIG4 rate: 4374.0

hTRIG5 rate: 1380.0 | hTRIG6 rate: 1201.7

☑ Data ok ☐ ? Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: 40 Min, 2.1.5

PEB1 error; Run d/w end correctly

Events 5.25M | Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 6.00%

Max NPS anode current (single crystal): 3.62 (μA)

Run Number: 3324 | I_{beam}: 24 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

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

☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate

hTRIG5 rate | hTRIG6 rate

☐ Data ok ☑ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: ~~10 min to make up for PEB1 crash in #3323~~ DAQ crash

Events _____ | Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui):

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

Run Number: 3325 | I_{beam}: 24 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 18:39 | Stop time (from RC): 18:55

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: $6.21 \cdot 10^5$ | hTRIG3 rate: 4460.1 | hTRIG4 rate: 3579.8

hTRIG5 rate: 906.1 | hTRIG6 rate: 760.6

☐ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: 15 min to make up for PEB1 crash on 3323

Events 2.7M | Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 0.00%

Max NPS anode current (single crystal): 2.7 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 28 (yy / mm / dd) Initials: CP

Kinematics: KinC_x50_1'

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 8.456 GeV

Raster: ☒ On ☐ Off Size: 2x2 mm

HMS p: +~~0~~ 1.726 (From GUI) θ(TV): _____ (Nearest 0.005)

SHMS θ(TV): _____ (Nearest 0.005)

NPS θ = SHMS −16.30° (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y
1.69 mm (Nomin:)	0.31 mm (Nomin:)
3H07C X	**3H07C Y**
0.71 mm (Nomin:)	0.30 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: 3326 | I_{beam}: 12 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: -1 (0) PS5: -1 PS6: 0 X

Start time (from RC): 18:59 Stop time (from RC): 19:39

☑ 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: 20 min; lots of beam trips, so we ran longer * PS issue * Actually, ~~ps4~~ Will retake this run ps4=0 instead of ps6=0

Events 2.2M Charge 13.66 mC

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3327 | I_{beam}: 24 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 19:43 Stop time (from RC): 20:00

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: $6.27 \cdot 10^5$ | hTRIG3 rate: 4448.6 | hTRIG4 rate: 3604.8

hTRIG5 rate: 851.3 | hTRIG6 rate: 678.3

☑ Data ok ☐ Junk

☐ coin_sparse ☒ coin ☐ coin_sparse_low

Comments: 10 min + beam trips

Events 183K Charge 19.13 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100.00

Max NPS anode current (single crystal): ~3 (μA)

Run Number: 3328 | I_{beam}: 36 μA

☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 20:14 Stop time (from RC): 20:34

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: $9.98 \cdot 10^5$ | hTRIG3 rate: 6605.3 | hTRIG4 rate: 4825.0

hTRIG5 rate: 2081.2 | hTRIG6 rate: 1551.6

☑ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 15 min

Events 1.6M Charge 36.37 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100.00 %

Max NPS anode current (single crystal): 2.87 (μA)

Run Number: 3329 | I_{beam}: 18 μA

☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 20:40 Stop time (from RC): 20:55

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 4.62×10^5 | hTRIG3 rate: 3291.0 | hTRIG4 rate: 2427.9

hTRIG5 rate: 506.8 | hTRIG6 rate: 389.7

☑ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 15 Min

Events 316K Charge 14.09 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100.00 %

Max NPS anode current (single crystal): 4.30 (μA)

p(e,eγ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 28 (yy / mm / dd) Initials: CP

Kinematics: KinC_x 50_1'

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

HMS p: +04.726 (From GUI) θ(TV): _____ (Nearest 0.005)

SHMS θ(TV): _____ (Nearest 0.005)

NPS θ = SHMS −16.30° (Nearest 0.005)

Beam position and angle on target:

3H07A	X: 1.70 mm (Nomin:)	Y: 0.31 mm (Nomin:)
3H07C	X: 0.70 mm (Nomin:)	Y: 0.31 mm (Nomin:)

Collimator: HMS: Large ☒ Sieve ☐ | NPS Sweep Magnet I = 467 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3330 | I_{beam}: 12 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 21:05 | Stop time (from RC): 21:26

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: $2.97 \cdot 10^5$ | hTRIG3 rate: 2207.6 | hTRIG4 rate: 1797 | hTRIG5 rate: 879.6 | hTRIG6 rate: 756.6

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☒

Comments: make-up run for 3326 corrected ps 20 min.

Events: 787K | Charge: 12.11 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.970% | Max NPS anode current (single crystal): < 3 (μA)

Run Number: 3331 | I_{beam}: 15 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 21:32 | Stop time (from RC): 22:33

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: $1.16 \cdot 10^6$ | hTRIG3 rate: 7144.5 | hTRIG4 rate: 5454.9 | hTRIG5 rate: 2691.1 | hTRIG6 rate: 2092.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LD2; 1hr 1st of 6

Events: 6.5M | Charge: 45.89 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.807% | Max NPS anode current (single crystal): 4.11 (μA)

Run Number: 3332 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 22:35 | Stop time (from RC): 23:36

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: $1.15 \cdot 10^6$ | hTRIG3 rate: 7131.4 | hTRIG4 rate: 5464.4 | hTRIG5 rate: 2651.8 | hTRIG6 rate: 2023.0

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: 1hr (2nd of 6)

Events: 5.6M | Charge: 39.39 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.752% | Max NPS anode current (single crystal): 3.79 (μA)

Run Number: 3333 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 23:39 | Stop time (from RC): 00:51:14

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: $1.73e^6$ | hTRIG3 rate: 7066. | hTRIG4 rate: 3565.4 | hTRIG5 rate: 2709.7 | hTRIG6 rate: 2068

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: 1hr (3rd of 6)

Events: 8M | Charge: ____C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.793 | Max NPS anode current (single crystal): 3.96 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 29 (yy / mm / dd) Initials: JA

Kinematics: KinC_x 50-1'

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

HMS p: +/- -4.726 (From GUI) θ(TV): 16.755 (Nearest 0.005)

SHMS θ(TV): 33.383 (Nearest 0.005)

NPS θ = SHMS -16.30° = 17.083 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.7 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.69 mm (Nomin:)	0.29 mm (Nomin:)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 467.92 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3334 | I_{beam}: 15 μA

LH2 10cm ☐ | LD2 10cm ☑ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl ☐

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

Start time (from RC): 00:52:27 | Stop time (from RC): 02:05:05

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate: 1.72e6 | hTRIG3 rate: 7143.3 | hTRIG4 rate: 5481.9 | hTRIG5 rate: 2558.4 | hTRIG6 rate: 1943.3

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 4th of 6 1hr run.

Events 7.7m | Charge 55.65 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.78%

Max NPS anode current (single crystal): 4.03 (μA)

Run Number: 3335 | I_{beam}: 15 μA

LH2 10cm ☐ | LD2 10cm ☑ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl ☐

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

Start time (from RC): 02:06:14 | Stop time (from RC): 03:16:43

Settings Verified? ☑ | HV OK? ☐ | 50k OK? ☑

hTRIG1 rate: 1.72e6 | hTRIG3 rate: 7137.0 | hTRIG4 rate: 5466.9 | hTRIG5 rate: 2576.9 | hTRIG6 rate: 2002.5

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 5th of 6 1hr Runs.

Events 7.5m | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.813

Max NPS anode current (single crystal): 4.2 (μA)

Run Number: 3336 | I_{beam}: 15 μA

LH2 10cm ☐ | LD2 10cm ☑ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl ☐

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

Start time (from RC): 03:18:07 | Stop time (from RC): 04:23:45

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate: 1.7e6 | hTRIG3 rate: 7098.9 | hTRIG4 rate: 5463.2 | hTRIG5 rate: 2589.0 | hTRIG6 rate: 2050.9

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 6th of 6 1hr Runs

Events 7m | Charge 51m C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.859%

Max NPS anode current (single crystal): 3.92 (μA)

Run Number: 3337 | I_{beam}: 10 μA

LH2 10cm ☐ | LD2 10cm ☑ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl ☐

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

Start time (from RC): 04:25:11 | Stop time (from RC): 04:45:09

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate: 1.16e6 | hTRIG3 rate: 4905.9 | hTRIG4 rate: 3697.0 | hTRIG5 rate: 1228.7 | hTRIG6 rate: 937.0

Data ok ☑ | Junk ☐

coin_sparse ☐ | coin ☐ | coin_sparse_low ☐

Comments: 20min Run.

Events 870K | Charge 9m C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.876%

Max NPS anode current (single crystal): 2.78 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 29 (yy / mm / dd) Initials: DPC

Kinematics: KinC_x

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

3H07A X	3H07A Y
1.7 mm Nomin:	0.3 mm Nomin:
3H07C X	**3H07C Y**
0.7 mm Nomin:	0.28 mm Nomin:

HMS
p: +/- -4.726 (From GUI) θ(TV): 16.755 (Nearest 0.005)

SHMS
θ(TV): 33.383 (Nearest 0.005)

NPS
θ = SHMS −16.30°: 17 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 267.93 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3338
I_{beam}: 5 μA
☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____
PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
Start time (from RC): 04:47:04
Stop time (from RC): 04:54:44
☑ 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: Junk 20min Run. No beam
Events 36 K Charge 0 C
Active trigger LiveTime fraction (NPS Scaler Gui):
Max NPS anode current (single crystal): (μA)

Run Number: 3339
I_{beam}: 5 μA
☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____
PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
Start time (from RC): 05:21:46
Stop time (from RC): 05:50
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate: 5.5e5 | hTRIG3 rate: 2478.6 | hTRIG4 rate: 1882.8
hTRIG5 rate: 337 | hTRIG6 rate: 265.9
☑ Data ok ☐ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments: 20min Run
Events 374 K Charge 6.8m C
Active trigger LiveTime fraction (NPS Scaler Gui): 100.00%
Max NPS anode current (single crystal): 1.5 (μA)

Run Number: 3340
I_{beam}: 15. μA
☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____
PS1: -1 PS2: -1 PS3: 2 PS4: -1 PS5: -1 PS6: -1
Start time (from RC): 05:52:31
Stop time (from RC): 06:15:34
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate: 1.74e6 | hTRIG3 rate: 7255.1 | hTRIG4 rate: 5541.3
hTRIG5 rate: 2657.0 | hTRIG6 rate: 2095.3
☑ Data ok ☐ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments: 20min
Events 3.1m Charge 18.7C
Active trigger LiveTime fraction (NPS Scaler Gui): 0.0
Max NPS anode current (single crystal): 4.00 (μA)

Run Number: 3341
I_{beam}: 10 μA
☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____
PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1
Start time (from RC): 06:17:37
Stop time (from RC): 07:01:03
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate: 1.18e6 | hTRIG3 rate: 4874.3 | hTRIG4 rate: 3747.3
hTRIG5 rate: 1255.6 | hTRIG6 rate: 951.2
☑ Data ok ☐ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments: 40min.
Events 8.7m Charge 22.6C
Active trigger LiveTime fraction (NPS Scaler Gui): 0.0
Max NPS anode current (single crystal): 2.66 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 29 (yy / mm / dd) Initials: GH

Kinematics: KinC_x 50-1'

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 8.456 GeV

Raster: ☒ On ☐ Off Size: 2x2

HMS (GUI)
p: +(-)4.726 (From GUI) θ(TV): 16.750 (Nearest 0.005)

SHMS (GUI)
θ(TV): 33.380 (Nearest 0.005)

NPS
θ = SHMS −16.30° (Nearest 0.005)

Beam position and angle on target:

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

Collimator: HMS: Large ☐ Sieve ☐ | *NPS Sweep Magnet I = _____ Amp* | *NPS Upstream Corr. I = _____ Amp* | NPS Upstream Corr. I = _____ Amp

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Run Number: 3345
I_{beam}: _____ μA
☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☒ OUT
PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
Start time (from RC): 21:19. Stop time (from RC): 21:51
☐ 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: BCM Calibration #1
Events 75.6k Charge____C
Active trigger LiveTime fraction (NPS Scaler Gui)
Max NPS anode current (single crystal) (μA)

Run Number: 3346
I_{beam}: _____ μA
☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☒ OUT
PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
Start time (from RC): 22:07 Stop time (from RC): 23:08
☐ 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: BCM Calib #2 (This is the one with Julie paying close attention to MCC)
Events 47k Charge____C
Active trigger LiveTime fraction (NPS Scaler Gui)
Max NPS anode current (single crystal) (μA)

Run Number: _____
I_{beam}: _____ μA
☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.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) (μA)

Run Number: _____
I_{beam}: _____ μA
☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.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* ☐ *in_sparse_low* ☐
Comments:
Events_____ Charge____C
Active trigger LiveTime fraction (NPS Scaler Gui)
Max NPS anode current (single crystal) (μA)

p(e,eγ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 20 (yy / mm / dd) Initials: DR

Kinematics: KinC_x 50.1'

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2mm

HMS p: +/- -4.726 (From GUI) θ(TV): 16.795 (Nearest 0.005)

SHMS θ(TV): 33.383 (Nearest 0.005)

NPS θ = SHMS −16.30° 17.083 (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y
1.7 mm (Nomin:)	0.31 mm (Nomin:)
3H07C X	**3H07C Y**
0.7 mm (Nomin:)	0.29 mm (Nomin:)

Collimator: HMS: Large ☐ Sieve ☐ | NPS Sweep Magnet I = 467.92 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3350 | I_{beam}: 5 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 04:30:32 | Stop time (from RC): 04:54:01

☑ Settings Verified? ☑ HV OK? ? 50k OK? (see log)

hTRIG1 rate 1.8e6 | hTRIG3 rate 2479 | hTRIG4 rate 1882.

hTRIG5 rate 966.2 | hTRIG6 rate 734

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☑ coin_sparse_low

Comments: 20 min Run missing col 8-11 in NPS

Events 995K Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9%

Max NPS anode current (single crystal): 1233.66 (μA) see log book.

Run Number: 3351 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 04:57:36 | Stop time (from RC): 05:05

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 1.14e6 | hTRIG3 rate 7231 | hTRIG4 rate 5542.7

hTRIG5 rate 1799.3 | hTRIG6 rate 1327.7

☐ Data ok ☑ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: 10 min Run coda script errors : Restart.

Events____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100.00%

Max NPS anode current (single crystal): 1236.12 (μA) see log

Run Number: 3352. | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 05:06:32 | Stop time (from RC): 05:36:35

☑ Settings Verified? ☑ HV OK? ? 50k OK? (see log)

hTRIG1 rate 1.13e6 | hTRIG3 rate 7156.3 | hTRIG4 rate 5388.1

hTRIG5 rate 1670.1 | hTRIG6 rate 1329.5 (see log)

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100.00%

Max NPS anode current (single crystal): 12K (μA)

Run Number: _____ | I_{beam}: _____ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.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): (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 30 (yy / mm / dd) Initials: DR

Kinematics: KinC_x 50.1

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2x2mm

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.69 mm	0.29 mm	0.69 mm	0.29 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS: p: +/- -4.726 (From GUI) θ(TV): 16.755 (Nearest 0.005)

SHMS: θ(TV): 35.275 (Nearest 0.005)

NPS: θ = SHMS −16.30° 18.975 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = _____ Amp | NPS Upstream Corr. I = _____ Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 3353 | I_{beam}: 36 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 05:53:19 | Stop time (from RC): 07:28:

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 6.6e5 | hTRIG3 rate 6118 | hTRIG4 rate 84792

hTRIG5 rate 906.1 | hTRIG6 rate 746.0

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1st 1 hr Run Long Beam off in between

Events 2.9m | Charge ___ C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 57.50 (μA)

Run Number: 3354 | I_{beam}: 36 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 07:31:09 | Stop time (from RC): 07:33

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 6.42e5 | hTRIG3 rate | hTRIG4 rate

hTRIG5 rate | hTRIG6 rate

☐ Data ok ☑ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Junk

Events ___ | Charge ___ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3355 - 3360 | I_{beam}: ___ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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: test for FADC.

Events ___ | Charge ___ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3361 | I_{beam}: ___ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

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

☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate

hTRIG5 rate | hTRIG6 rate

☐ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LED run, coin_v1d

Events ___ | Charge ___ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

p(e,eγ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 11 / 30 (yy / mm / dd) Initials: Hao

Kinematics: KinC_x_____

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

HMS, field, current OK? yes ☐ no ☐

E_{beam}: _____ GeV

Raster: ☐ On ☐ Off
Size: _____

Beam position and angle on target:

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

HMS
p: +/-_____ From GUI θ(TV): _____ 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 =_____ Amp* | *NPS Upstream Corr. I =_____ Amp* | NPS Upstream Corr. I = _____ Amp

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Run Number: 3362-3364
I_{beam}: _____ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.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: test

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3365
I_{beam}: _____ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

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

☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

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

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LED runs.

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3366
I_{beam}: 0 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☑ N/A

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

Start time (from RC): 12:38
Stop time (from RC): 12:40

☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

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

☐ coin_sparse ☑ coin_vld ☐ coin_sparse_low

Comments: Led Run

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3367
I_{beam}: 5 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☑ C 0.5% rl.l ☐ Carbon Hole

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

Start time (from RC): 16:26:03
Stop time (from RC): 16:37:47

☑ 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:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 23/12/05 (yy/mm/dd) Initials: YZ

Kinematics: KinC_x 60_2

Purpose: ☒ Production ☐ Test ☐ Optics ☑ Other: JUNK

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.458 GeV

Raster: ☑ On ☐ Off Size: 2x2mm

Beam position and angle on target:

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

HMS 3.8030
p: ~~3.380~~ (From GUI) θ(TV): 22.920 (Nearest 0.005)

SHMS
θ(TV): 32.870 (Nearest 0.005)

NPS
θ = SHMS −16.30° = 16.57 (Nearest 0.005)

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

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Run Number: 3368
I_{beam}: 7 μA
☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ____
PS1: — PS2: — PS3: — PS4: — PS5: — PS6: 0
Start time (from RC): 17:30:54
Stop time (from RC): 17:42:41
☑ 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: JUNK Beam not stable (5μA → 10μA → 20μA)
Events ____ Charge ____ C
Active trigger LiveTime fraction (NPS Scaler Gui)
Max NPS anode current (single crystal) (μA)

Run Number: 3369
I_{beam}: 15 μA
☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ____
PS1: — PS2: — PS3: — PS4: — PS5: — PS6: 0
Start time (from RC): 17:49:57
Stop time (from RC): 18:22:18
☑ Settings Verified? ☑ HV OK? ☒ 50k OK?
hTRIG1 rate 1.94e6 | hTRIG3 rate 1317 | hTRIG4 rate 775
hTRIG5 rate 563 | hTRIG6 rate 343
☒ Data ok ☑ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments: JUNK 18 min beam-on time
Events 416368 Charge 15.89 mC
Active trigger LiveTime fraction (NPS Scaler Gui) 3.03μA
Max NPS anode current (single crystal) 100% (μA)

Run Number: 3370
I_{beam}: 15 μA
☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ____
PS1: — PS2: — PS3: — PS4: — PS5: — PS6: 0
Start time (from RC): 18:59:48
Stop time (from RC): 19:09:05
☑ Settings Verified? ☑ HV OK? ☒ 50k OK?
hTRIG1 rate 1.88e6 | hTRIG3 rate 1282 | hTRIG4 rate 754
hTRIG5 rate 575 | hTRIG6 rate 359
? Data ok ☑ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments: JUNK 8 mn beam-on time
Events 162371 Charge 6.97 mC
Active trigger LiveTime fraction (NPS Scaler Gui) 3.03μA
Max NPS anode current (single crystal) 100% (μA)

Run Number: 3371
I_{beam}: 15 μA
☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ____
PS1: — PS2: — PS3: — PS4: — PS5: — PS6: 0
Start time (from RC): 19:10:30
Stop time (from RC): 19:23:24
☑ Settings Verified? ☑ HV OK? ☒ 50k OK?
hTRIG1 rate 1.86e6 | hTRIG3 rate 1305 | hTRIG4 rate 758
hTRIG5 rate 556 | hTRIG6 rate 333
☐ Data ok ☑ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments: JUNK
Events 738640 Charge 8.31 mC
Active trigger LiveTime fraction (NPS Scaler Gui)
Max NPS anode current (single crystal) 2.97 (μA)

All the four runs in this page are junk runs because the problem of "Gas system interlock". (Log entry: 4230340)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23/12/05 (yy/mm/dd) Initials: YZ

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.454 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

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

HMS p: +/- 3.8030 (From GUI) θ(TV): 22.920 (Nearest 0.005)

SHMS θ(TV): 32.870 (Nearest 0.005)

NPS θ = SHMS −16.30° 16.57 (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

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Run Number: 3372 | I_{beam}: 0 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 19:52:06 | Stop time (from RC): 20:34:26

☐ 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: LED run.

Events 2125 Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui) | Max NPS anode current (single crystal) (μA)

Run Number: 3373 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 20:50:59 | Stop time (from RC): 20:57:05

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 1.83e6 | hTRIG3 rate 1338 | hTRIG4 rate 785 | hTRIG5 rate 537 | hTRIG6 rate 330

☐ Data ok ☑ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Drift Chamber is still recovering

Events 10740 Charge 4.46 C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 2.91 (μA)

Run Number: 3374 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 21:35:13 | Stop time (from RC): 21:42:48

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 1.83e6 | hTRIG3 rate 1275 | hTRIG4 rate 755 | hTRIG5 rate 534 | hTRIG6 rate 327

☐ Data ok ☑ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Drift Chamber is still recovering

Events 13426 Charge 5.81 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.97% | Max NPS anode current (single crystal) 3.15 (μA)

Run Number: 3375 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 22:33:27 | Stop time (from RC): 22:40:26

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 1.88e6 | hTRIG3 rate 1266 | hTRIG4 rate 758 | hTRIG5 rate 558 | hTRIG6 rate 341

☐ Data ok ☑ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6.6min Drift Chamber is still recovering

Events 13635 Charge 5.87 C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 3.10 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 05 (yy / mm / dd) Initials: YZ

Kinematics: KinC_x60_2

Purpose:
- ☐ Production
- ☑ Test
- ☐ Optics
- ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.458 GeV

Raster: ☑ On ☐ Off Size: 2x2mm

Beam position and angle on target:

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

HMS: p: +(-) 3.8030 (From GUI) θ(TV): 22.920 (Nearest 0.005)

SHMS: θ(TV): 32.870 (Nearest 0.005)

NPS: θ = SHMS −16.30°: 16.57 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 461.93 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3376 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 23:37:08 | Stop time (from RC): 23:45:09

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 1.89e6 | hTRIG3 rate: 1296 | hTRIG4 rate: 778 | hTRIG5 rate: 540 | hTRIG6 rate: 333

☐ Data ok ☑ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Drift Chamber is still recovering 7.2/min

Events 14685 | Charge 6.31 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.952% | Max NPS anode current (single crystal): 3.15 (μA)

Run Number: 3377 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 01:26:16 | Stop time (from RC): 01:31:57

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 1.8 MHz | hTRIG3 rate: 1.3 kHz | hTRIG4 rate: 750 Hz | hTRIG5 rate: 520 Hz | hTRIG6 rate: 340 Hz

☐ Data ok ☑ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Drift Chamber still recovering 5.32 min

Events 101k | Charge 4.26 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 2.79 (μA)

Run Number: 3378 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 02:35:17 | Stop time (from RC): 02:41:31

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 1.8 MHz | hTRIG3 rate: 1.2 kHz | hTRIG4 rate: 750 Hz | hTRIG5 rate: 540 Hz | hTRIG6 rate: 340 Hz

☐ Data ok ☑ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Drift Chamber Recovering - little change from previous 5.94 min

Events 119k | Charge 5.24 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.978% | Max NPS anode current (single crystal): 2.89 (μA)

Run Number: 3379 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 04:37:21 | Stop time (from RC): 04:45:50

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 1.9 MHz | hTRIG3 rate: 1.3 kHz | hTRIG4 rate: 780 Hz | hTRIG5 rate: 540 Hz | hTRIG6 rate: 320 Hz

☐ Data ok ☑ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Drift Chamber still recovering 7.17 min

Events 145k | Charge 6.16 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 3.07 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23/12/06 (yy/mm/dd) Initials: MM

Kinematics: KinC_x 60.2

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

HMS, field, current OK? yes ☐ no ☐

E_{beam}: 6.458 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

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

HMS: p: +6.5030 (From GUI) θ(TV): 22.920 (Nearest 0.005)

SHMS: θ(TV): 32.870 (Nearest 0.005)

NPS: θ = SHMS −16.30° = 16.57 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 469.93 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3380 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 05:58:55 | Stop time (from RC): 06:05:45

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 1.9 MHz | hTRIG3 rate: 1.3 kHz | hTRIG4 rate: 750 Hz | hTRIG5 rate: 550 Hz | hTRIG6 rate: 350 Hz

☐ Data ok ☑ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Drift Chamber Recovering 6.34min

Events 129k | Charge 549 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 3.00 (μA)

Run Number: 3381 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 06:55:06 | Stop time (from RC): 07:02:39

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 1.9 MHz | hTRIG3 rate: 1.3 kHz | hTRIG4 rate: 750 Hz | hTRIG5 rate: 520 Hz | hTRIG6 rate: 340 Hz

☐ Data ok ☑ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Drift Chamber recovering 6.57 min

Events 91k | Charge 368 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 3.16 (μA)

Run Number: 3382 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 07:54:02 | Stop time (from RC): 08:00:02

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 1.8 MHz | hTRIG3 rate: 1.3 kHz | hTRIG4 rate: 760 Hz | hTRIG5 rate: 560 Hz | hTRIG6 rate: 360 Hz

☐ Data ok ☑ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Drift Chamber Recovery

Events _____ | Charge _____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.982% | Max NPS anode current (single crystal): 2.64 (μA)

Run Number: 3384 | I_{beam}: _____ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☑ out of beam

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

Start time (from RC): 11:45 | Stop time (from RC): 12:53

☐ 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: HMS cosmics for drift chamber checking

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:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 23/12/06 (yy/mm/dd) Initials: Hao

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☐ no ☐

E_{beam}: 8.458 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: p: +/- 22.93 (From GUI) θ(TV): _____ (Nearest 0.005)

SHMS: θ(TV): 32.87 (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

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Run Number: 3385 | I_{beam}: _____ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☑ out of beam

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

Start time (from RC): 12:56 | Stop time (from RC): 13:49

☐ 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: cosmic in HMS for the test of drift chamber

Events 22694 Charge ___ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3386 | I_{beam}: 5 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 15:34 | Stop time (from RC): 15:49

☒ 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: Test of WC → better! Weird FADC Crate 4 → need reboot

Events _____ Charge ___ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3387 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 16:16:56 | Stop time (from RC): 16:28

☒ Settings Verified? ☒ HV OK? ☐ 50k OK?

hTRIG1 rate: 1.78e6 | hTRIG3 rate: 1255 | hTRIG4 rate: 700

hTRIG5 rate: 532 | hTRIG6 rate: 331

☐ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Stopped early to take cosmics run.

Events 214k Charge 9.4 nC

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

Max NPS anode current (single crystal): 3.23 (μA)

Run Number: 3388 | I_{beam}: 0 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 16:42:52 | Stop time (from RC): 18:42:31

☒ 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

cosmics

Comments: cosmics

Events 3411 Charge ___ C

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

Max NPS anode current (single crystal) (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23/12/06 (yy/mm/dd) Initials: DA

Kinematics: KinC_x 60-2

Purpose:
- [X] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

HMS, field, current OK? yes [X] no [ ]

E_{beam}: 8.454 GeV

Raster: [X] On [ ] Off Size: 2 x 2 mm²

Beam position and angle on target:

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

HMS
p: +/- ~~3.8030~~ ~~3.803~~ From GUI θ(TV): 22.92 Nearest 0.005

SHMS
θ(TV): 32.88 Nearest 0.005

NPS
θ = SHMS −16.30° = 16.58 Nearest 0.005

Collimator: HMS: Large [X] Sieve [ ] NPS Sweep Magnet I = ~~1650~~ Amp NPS Upstream Corr. I = 0 Amp NPS Upstream Corr. I = 0 Amp

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Run Number: 3389
I_{beam}: 15 μA
- [ ] LH2 10cm
- [X] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ]

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

Start time (from RC): 18:51:15
Stop time (from RC): 20:06:45

[X] Settings Verified? [X] HV OK? [X] 50k OK?

hTRIG1 rate: 1.79e6 | hTRIG3 rate: 1277 | hTRIG4 rate: 755
hTRIG5 rate: 507 | hTRIG6 rate: 308

[X] Data ok [ ] Junk

coin_sparse [X] coin [ ] coin_sparse_low [ ]

Comments: 1 hr beam

Events 131214 Charge ~~59.14~~ C

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

Max NPS anode current (single crystal): 3.41 (μA)

Run Number: 3390
I_{beam}: 15 μA
- [ ] LH2 10cm
- [X] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ]

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

Start time (from RC): 20:07:43
Stop time (from RC): 21:22:37

[X] Settings Verified? [X] HV OK? [X] 50k OK?

hTRIG1 rate: 1.74e6 | hTRIG3 rate: 1255 | hTRIG4 rate: 746
hTRIG5 rate: 523 | hTRIG6 rate: 326

[X] Data ok [ ] Junk

coin_sparse [X] coin [ ] coin_sparse_low [ ]

Comments: 1 hr beam

Events 130014 Charge ~~59.59~~ C

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

Max NPS anode current (single crystal): 3.20 (μA)

Run Number: 3391
I_{beam}: 15 μA
- [ ] LH2 10cm
- [X] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ]

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

Start time (from RC): 21:23:28
Stop time (from RC): ~~463~~

[X] Settings Verified? [X] HV OK? [X] 50k OK?

hTRIG1 rate: 1.38e6 | hTRIG3 rate: 1284 | hTRIG4 rate: 750
hTRIG5 rate: 405 | hTRIG6 rate: 263

[ ] Data ok [X] Junk

coin_sparse [X] coin [ ] coin_sparse_low [ ]

Comments: 1 hr beam

Events ~~463~~ K Charge ____ C

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

Max NPS anode current (single crystal): 3.24 (μA)

50k replay shows problem in NPS crate. All 5 crates needed to be rebooted.

Run Number: 3392
I_{beam}: 15 μA
- [ ] LH2 10cm
- [X] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ]

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

Start time (from RC): 22:06:13
Stop time (from RC):

[ ] Settings Verified? [ ] HV OK? [ ] 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate
hTRIG5 rate | hTRIG6 rate

[ ] Data ok [X] Junk

coin_sparse [X] coin [ ] coin_sparse_low [ ]

Comments: Problem in CODA in the beginning of the run

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:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 23 / 12 / 06 (yy / mm / dd) Initials: DA

Kinematics: KinC_x 60-2

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 6.459 GeV

Raster: [x] On [ ] Off Size: 2x2 mm²

Beam position and angle on target:

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

HMS
p: +/- -3.4830 From GUI θ(TV): 22.92 Nearest 0.005

SHMS
θ(TV): 32.88 Nearest 0.005

NPS
θ = SHMS −16.30° = 16.58 Nearest 0.005

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

Run Number: 3303
I_{beam}: 15 μA
[ ] LH2 10cm [x] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ] _____
PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
Start time (from RC):
Stop time (from RC):
[ ] Settings Verified? [ ] HV OK? [ ] 50k OK?
hTRIG1 rate | hTRIG3 rate | hTRIG4 rate
hTRIG5 rate | hTRIG6 rate
[ ] Data ok [x] Junk
[x] coin_sparse [ ] coin [ ] coin_sparse_low
Comments: CODA problem. (continued).
Events _____ Charge ____ C
Active trigger LiveTime fraction (NPS Scaler Gui)
Max NPS anode current (single crystal) (μA)

Run Number: 3394
I_{beam}: 15 μA
[ ] LH2 10cm [x] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ] _____
PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
Start time (from RC): 22:13:25
Stop time (from RC): 23:25:31
[x] Settings Verified? [x] HV OK? [x] 50k OK?
hTRIG1 rate: 1.70e6 | hTRIG3 rate: 1257 | hTRIG4 rate: 740
hTRIG5 rate: 513 | hTRIG6 rate: 308
[x] Data ok [ ] Junk
[x] coin_sparse [ ] coin [ ] coin_sparse_low
Comments: 1 hr beam
Events 1269K Charge 58.57 ~~111~~ C
Active trigger LiveTime fraction (NPS Scaler Gui): 100 %
Max NPS anode current (single crystal): 3.33 (μA)

Run Number: 3395
I_{beam}: 15 μA
[ ] LH2 10cm [x] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ] _____
PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
Start time (from RC): 23:26:30
Stop time (from RC): 00:34:45
[x] Settings Verified? [x] HV OK? [x] 50k OK?
hTRIG1 rate: 1.71e6 | hTRIG3 rate: 1284 | hTRIG4 rate: 763
hTRIG5 rate: 514 | hTRIG6 rate: 316
[x] Data ok [ ] Junk
[x] coin_sparse [ ] coin [ ] coin_sparse_low
Comments: 1 hr beam
Events 1.22M Charge 56.95 C
Active trigger LiveTime fraction (NPS Scaler Gui): 100%
Max NPS anode current (single crystal): 3.64 (μA)

Run Number: 3396
I_{beam}: 10 μA
[ ] LH2 10cm [x] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ] _____
PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
Start time (from RC): 00:36:50
Stop time (from RC): 01:05:36
[x] Settings Verified? [x] HV OK? [x] 50k OK?
hTRIG1 rate: 1.1 MHz | hTRIG3 rate: 850 Hz | hTRIG4 rate: 490 Hz
hTRIG5 rate: 250 Hz | hTRIG6 rate: 160 Hz
[x] Data ok [ ] Junk
[x] coin_sparse [ ] coin [ ] coin_sparse_low
Comments: 20 min beam
Events 242K Charge 13.61 C
Active trigger LiveTime fraction (NPS Scaler Gui): 100%
Max NPS anode current (single crystal): 3.58 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 7 (yy / mm / dd) Initials: MM

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.458 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

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

HMS p: +/- 3.503 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS θ(TV): 32.58 (Nearest 0.005)

NPS θ = SHMS −16.30° = 16.58 (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

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Run Number: 3397 | I_{beam}: 5 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 01:08:02 | Stop time (from RC): 01:31:55

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 520kHz | hTRIG3 rate: 460Hz | hTRIG4 rate: 280Hz | hTRIG5 rate: 95Hz | hTRIG6 rate: 70Hz

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 20 min beam

Events 101k | Charge 6.5k mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 3.62 (μA)

Run Number: 3398 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 01:34:51 | Stop time (from RC): 01:37:07

☑ 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 Only 30 MBy/s We can lower ps3 value

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

Run Number: 3399 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 01:38:27 | Stop time (from RC): 02:03:00

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.7MHz | hTRIG3 rate: 1.3kHz | hTRIG4 rate: 760Hz | hTRIG5 rate: 500Hz | hTRIG6 rate: 300Hz

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Data rate ~45/MBy/s 20 min beam

Events 1.66M | Charge 18.49 mC | Active trigger LiveTime fraction (NPS Scaler Gui): N/A (ps3) | Max NPS anode current (single crystal): 3.66 (μA)

Run Number: 3400 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 02:04:51 | Stop time (from RC): 02:51:01

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.2MHz | hTRIG3 rate: 870Hz | hTRIG4 rate: 520Hz | hTRIG5 rate: 260Hz | hTRIG6 rate: 160Hz

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 40 min beam

Events 1.29M | Charge 21.22 mC | Active trigger LiveTime fraction (NPS Scaler Gui): N/A (ps4) | Max NPS anode current (single crystal): 3.55 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 7 (yy / mm / dd) Initials: MM

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.458 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

HMS p: 3.403 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS θ(TV): 32.58 (Nearest 0.005)

NPS θ = SHMS −16.30° = 16.58 (Nearest 0.005)

Beam position and angle on target:

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

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

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Run Number: 3401 | I_{beam}: 5 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 02:54:04 | Stop time (from RC): 03:18:12

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.9MHz | hTRIG3 rate 460Hz | hTRIG4 rate 28Hz | hTRIG5 rate 220Hz | hTRIG6 rate 140Hz

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☑ coin_sparse_low

Comments: 20 min beam

Events 196k | Charge 6.90 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 3.66 (μA)

Run Number: 3402 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 03:22:58 | Stop time (from RC): 03:40:23

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.5MHz | hTRIG3 rate 1.3kHz | hTRIG4 rate 780Hz | hTRIG5 rate 450Hz | hTRIG6 rate 290Hz

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: Data rate ~75 MB/s 10 min beam

Events 160k | Charge 5.42 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 3.58 (μA)

Run Number: 3403 | I_{beam}: 30 μA

☑ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 06:00:59 | Stop time (from RC): 05:13:55

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.1MHz | hTRIG3 rate 930Hz | hTRIG4 rate 600Hz | hTRIG5 rate 250Hz | hTRIG6 rate 200Hz

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1 hour beam

Events 704k | Charge 10.7 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 3.66 (μA)

Run Number: 3404 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 05:17:52 | Stop time (from RC): 06:36:25

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.1MHz | hTRIG3 rate 930Hz | hTRIG4 rate 610Hz | hTRIG5 rate 260Hz | hTRIG6 rate 200Hz

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1 hour beam

Events 699k | Charge 10.4 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) 3.53 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 7 (yy / mm / dd) Initials: hm

Kinematics: KinC_x60_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 9.458 GeV

Raster: ☑ On ☐ Off Size: 2×2 mm

HMS p: +3.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS θ(TV): 32.88 (Nearest 0.005)

NPS θ = SHMS −16.30° = 16.58 (Nearest 0.005)

Beam position and angle on target:

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

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

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

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Run Number: 3405 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 06:48:58 | Stop time (from RC): 07:18:00

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 700 kHz | hTRIG3 rate: 650 Hz | hTRIG4 rate: 410 Hz | hTRIG5 rate: 140 Hz | hTRIG6 rate: 100 Hz

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 20 min beam

Events 178k | Charge 32.23 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 3.69 (μA)

Run Number: 3406 | I_{beam}: 10 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 07:21:01 | Stop time (from RC): 07:50:59

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: ~~330~~ 310 kHz | hTRIG3 rate: 330 Hz | hTRIG4 rate: 220 Hz | hTRIG5 rate: 70 Hz | hTRIG6 rate: 60 Hz

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 20 min beam

Events 100k | Charge 14.43 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 3.57 (μA)

Run Number: 3407 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 07:53:54 | Stop time (from RC): 08:20:50

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.1 MHz | hTRIG3 rate: 920 Hz | hTRIG4 rate: 620 Hz | hTRIG5 rate: 250 Hz | hTRIG6 rate: 170 Hz

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Data rate ~23 MB/s 20 min beam

Events 129k | Charge 40 mC | Active trigger LiveTime fraction (NPS Scaler Gui): N/A (pr3?) | Max NPS anode current (single crystal): 3.60 (μA)

Run Number: 3408 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 08:22 | Stop time (from RC): 08:45

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 6.7 | hTRIG3 rate: 621.6 | hTRIG4 rate: 416.9 | hTRIG5 rate: 139.3 | hTRIG6 rate: 99.8

☐ Data ok ☑ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: crate 4, slot 5 (NPS) need to be rebooted.

Events 5.9k | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui): | Max NPS anode current (single crystal): 3.71 (μA)

p(e,eγ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 07 (yy / mm / dd) Initials: Hao

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☐ no ☐

E_{beam}: 8.458 GeV

Raster: ☑ On ☐ Off Size: _____

Beam position and angle on target:

	X	Y
3H07A	1.7 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.1 mm (Nomin:)	0.3 mm (Nomin:)

HMS p: 3.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS θ(TV): 32.88 (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

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Run Number: 3409 — I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 08:58 — Stop time (from RC): 09:40

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 6.96e5 — hTRIG3 rate 614 — hTRIG4 rate 407.7

hTRIG5 rate 138.4 — hTRIG6 rate 103.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 930k — Charge 43 mC

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 3.54 (μA)

Run Number: 3410 — I_{beam}: 10 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 09:43 — Stop time (from RC): 10:11

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.64e5 — hTRIG3 rate 330.4 — hTRIG4 rate 217.2

hTRIG5 rate 137.3 — hTRIG6 rate 106.6

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☑

Comments:

Events 180k — Charge 15 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100 %

Max NPS anode current (single crystal) 3.61 (μA)

Run Number: 3411 — I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: 2

Start time (from RC): 10:15 — Stop time (from RC): 10:19

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 9.49e5 — hTRIG3 rate 832.4 — hTRIG4 rate 573.7

hTRIG5 rate 214.1 — hTRIG6 rate 156.2

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: Data rate was ~~15~~ MB/s

Events 9674 — Charge 4 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100 %

Max NPS anode current (single crystal) 3.8 (μA)

Run Number: 3412 — I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 10:20 — Stop time (from RC): 10:32

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 9.03e5 — hTRIG3 rate 868.0 — hTRIG4 rate 577.8

hTRIG5 rate 224.2 — hTRIG6 rate 176.3

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: data rate is 50 MB/s, good

Events 90k — Charge 15 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100 %

Max NPS anode current (single crystal) 3.83 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23/12/07 (yy/mm/dd) Initials: Hao

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☐ no ☐

E_{beam}: 5.454 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm^2

Beam position and angle on target:

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

HMS p: +/- 3.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS θ(TV): 32.88 (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

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Run Number: 3413 | I_{beam}: 30 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 10:42 | Stop time (from RC): 10:58

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.2e6 | hTRIG3 rate 1070.3 | hTRIG4 rate 554.1 | hTRIG5 rate 294.9 | hTRIG6 rate 162.8

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 167K Charge 26mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) 4.00 (μA)

Run Number: 3414-15 | I_{beam}: 15 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 10:59 | Stop time (from RC): 11:17

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 5.29e5 | hTRIG3 rate 554.9 | hTRIG4 rate 291.8 | hTRIG5 rate 101.9 | hTRIG6 rate 74.7

☐ Data ok ☑ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events _____ Charge _____ mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) 4 (μA)

Run Number: 3416 | I_{beam}: 15 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 11:41 | Stop time (from RC): 11:50

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 5.55e5 | hTRIG3 rate 570.5 | hTRIG4 rate 319.0 | hTRIG5 rate 106.6 | hTRIG6 rate 76.4

☐ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: need to run for 9 min more

Events 32K Charge 5 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) 3.84 (μA)

Run Number: 3417 | I_{beam}: 15 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 12:54 | Stop time (from RC): 13:03

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 5.6e5 | hTRIG3 rate 572.1 | hTRIG4 rate 307.9 | hTRIG5 rate 107.1 | hTRIG6 rate 72.2

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ in_sparse_low ☐

Comments:

Events 31K Charge 6 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) 3.69 (μA)

p(e,e'γ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 07 (yy / mm / dd) Initials: WL

Kinematics: KinC_x 60-2'

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

HMS, field, current OK? yes ☐ no ☐

E_{beam}: 8.454 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

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: +03.803 (From GUI) θ(TV): 28.75 (Nearest 0.005)

SHMS θ(TV): 32.88 (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

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Run Number: 3418 | I_{beam}: 24 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 13:18 | Stop time (from RC): 13:37

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.94 e6 | hTRIG3 rate: 853.0 | hTRIG4 rate: 440.6 | hTRIG5 rate: 390.9 | hTRIG6 rate: 214.5

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 222k | Charge 22 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): _____ (μA)

Run Number: 3419 | I_{beam}: 12 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 13:40 | Stop time (from RC): 14:02

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.05 e6 | hTRIG3 rate: 448.0 | hTRIG4 rate: 264.5 | hTRIG5 rate: 127.6 | hTRIG6 rate: 91.1

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 112k | Charge 14 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.85 | Max NPS anode current (single crystal): 3.83 (μA)

Run Number: 3420 | I_{beam}: 24 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 14:15 | Stop time (from RC): 15:16

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.06 e6 | hTRIG3 rate: 892.7 | hTRIG4 rate: 603.6 | hTRIG5 rate: 443.5 | hTRIG6 rate: 301.5

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: ☑ increase to 30 μA after we got 50k events, go to 36 μA After this run

Events 900k | Charge 87 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 5.51 (μA)

Run Number: 3421 | I_{beam}: 36 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 15:20 | Stop time (from RC): _____

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.25 e6 | hTRIG3 rate: 1036.8 | hTRIG4 rate: 661.0 | hTRIG5 rate: 591.4 | hTRIG6 rate: 376.6

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/2, ☑

Events 1M | Charge _____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 5.42 (μA)

p(e,e'γ)p Run Sheet

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

Date: 23/12/09 (yy/mm/dd) Initials: WL

Use a separate sheet for each configuration.

Kinematics: KinC_x60-2l

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: ____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.454 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

	X	Y
3H07A	— mm (Nomin:)	— mm (Nomin:)
3H07C	— mm (Nomin:)	— mm (Nomin:)

HMS p: +0 3.803 (From GUI) θ(TV): 28.75 (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 = ____ Amp | NPS Upstream Corr. I = — Amp | NPS Upstream Corr. I = — Amp

Run Number	Target	PS	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
3422, I_{beam}: 20 μA	☑ LH2 10cm	PS1: -1, PS2: -1, PS3: -1, PS4: -1, PS5: -1, PS6: 0	16:56	17:17	☑	☑	☑	1.46M	612.	413.	223	154	☑ Data ok
3423, I_{beam}: 10 μA	☑ LH2 10cm	PS1: -1, PS2: -1, PS3: -1, PS4: -1, PS5: -1, PS6: 0	17:19.	17:42	☑	☑	☑	0.74M.	326.4.	219.5.	94.4	77.9.	☑ Data ok
3424, I_{beam}: 30 μA	☑ LH2 10cm	PS1: -1, PS2: -1, PS3: -1, PS4: -1, PS5: -1, PS6: 0			☐	☐	☐						☑ Junk
3425, I_{beam}: 30 μA	☑ LH2 10cm	PS1: -1, PS2: -1, PS3: 2, PS4: -1, PS5: -1, PS6: -1	17:47	18:09.	☑	☑	☑	~~2.02~~ 2M	590	40	448.7	295	☑ Data ok

Run Number	Trigger	Comments	Events	Charge	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)
3422	☑ coin_sparse		197k	~~[illegible]~~ 23.06mC	100%	3.5
3423	☑ coin_sparse		1M	~~9.69~~ C 12.59mC	100%	3.78
3424	☐	Junk.		C		
3425	☑ coin_sparse		367k	~~[illegible]~~ C 35.46mC	100	5.5

p(e,eγ)p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23/12/07 (yy/mm/dd) Initials: WL.

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 2.454 GeV

Raster: ☑ On ☐ Off Size: _____

Beam position and angle on target:

	X	Y
3H07A	— mm (Nomin:)	— mm (Nomin:)
3H07C	— mm (Nomin:)	— mm (Nomin:)

HMS p: +/- _____ (From GUI) θ(TV): _____ (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 = _____ Amp | NPS Upstream Corr. I = _____ Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 3426 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

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

☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

hTRIG1 rate _____ hTRIG3 rate _____ hTRIG4 rate _____

hTRIG5 rate _____ hTRIG6 rate _____

☐ Data ok ☑ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Junk.

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3427 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 18:22 Stop time (from RC): 19:07.

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.46M hTRIG3 rate 587. hTRIG4 rate 412

hTRIG5 rate 243 hTRIG6 rate ~~153~~

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 973 K Charge 45.24mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 3.74 (μA)

Run Number: 3428. | I_{beam}: 10 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 19:11 Stop time (from RC): 19:36.

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.95M hTRIG3 rate 319. hTRIG4 rate 217.

hTRIG5 rate 160 hTRIG6 rate 115

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☑

Comments:

Events 165 K. Charge 12.62mC

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

Max NPS anode current (single crystal) 3.73. (μA)

Run Number: 3429 | I_{beam}: 30 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 19:40 Stop time (from RC): 19:52.

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.9M hTRIG3 rate 903 hTRIG4 rate 600

hTRIG5 rate 409 hTRIG6 rate 281.

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments:

Events 184K Charge 19.09mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 3.41 (μA)

p(e,e'γ) p Run Sheet

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

Date: 23 / 12 / 07 (yy / mm / dd) · Initials: WL

Use a separate sheet for each configuration.

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.454 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

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

HMS: p: +/- 3.803 From GUI; θ(TV): _____ Nearest 0.005

SHMS: θ(TV): 32.88 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

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Run Number: 3430 | I_{beam}: 15 μA

☑ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 19:58 | Stop time (from RC): 21:00

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.5M | hTRIG3 rate: 1269 | hTRIG4 rate: 763

hTRIG5 rate: 774 | hTRIG6 rate: 464

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 1.6M Charge 51mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 5.23 (μA)

Run Number: 3431 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 21:01 | Stop time (from RC): 22:01

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.5M | hTRIG3 rate: 1269 | hTRIG4 rate: 763

hTRIG5 rate: 774 | hTRIG6 rate: 464

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 1.5M Charge 46.2mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 4.91 (μA)

Run Number: 3432 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): ~~21:32~~ 22:02 | Stop time (from RC): 22:12

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.5M | hTRIG3 rate: 1269 | hTRIG4 rate: 763

hTRIG5 rate: 774 | hTRIG6 rate: 464

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 230k Charge 7.8mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 4.91 (μA)

Run Number: 3433 | I_{beam}: 20 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 22:14 | Stop time (from RC): 23:01

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.6M | hTRIG3 rate: 1684 | hTRIG4 rate: 994

hTRIG5 rate: 1204 | hTRIG6 rate: 712

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 1.8M Charge 51.1mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 6.38 (μA)

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

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

Use a separate sheet for each configuration.

Date: ___/___/___ (yy/mm/dd) Initials: _____

Kinematics: KinC_x 60 2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.454 GeV

Raster: ☑ On ☐ Off Size: 2X2 mm²

Beam position and angle on target:

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

HMS
p: +/- 3.8803 (From GUI) θ(TV): _____ (Nearest 0.005)

SHMS
θ(TV): 32.88 (Nearest 0.005)

NPS
θ = SHMS −16.30° _____ (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 418 Amp | NPS Upstream Corr. I = 0 Amp | NPS Downstream Corr. I = 0 Amp

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Run Number: 3434 | I_{beam}: 20 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 23:03 | Stop time (from RC): 23:55

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.6M | hTRIG3 rate: 1693 | hTRIG4 rate: 997 | hTRIG5 rate: 1132 | hTRIG6 rate: 694

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 1.96M Charge 55.74m C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 0.54 (μA)

Run Number: 3435 | I_{beam}: 20 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 23:55 | Stop time (from RC): 01:16

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.6M | hTRIG3 rate: 1680 | hTRIG4 rate: 971 | hTRIG5 rate: 1143 | hTRIG6 rate: 684

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 2.2M Charge 61.7C

Active trigger LiveTime fraction (NPS Scaler Gui): ~~100~~ 99.8

Max NPS anode current (single crystal): 6.39 (μA)

Run Number: 3436 | I_{beam}: 20 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 01:16 | Stop time (from RC): 01:36

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.6 M | hTRIG3 rate: 1678 | hTRIG4 rate: 962 | hTRIG5 rate: 1146 | hTRIG6 rate: 674

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Same as 3436

Events ~~3.2M~~ Charge ~~21.3C~~ 21.3C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9

Max NPS anode current (single crystal): 6.6 (μA)

Run Number: 3437 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 01:38 | Stop time (from RC): 02:05

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.0M | hTRIG3 rate: 847 | hTRIG4 rate: 514 | hTRIG5 rate: 413 | hTRIG6 rate: 251

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events ~~3.7M~~ Charge 14.2C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.98%

Max NPS anode current (single crystal): 3.68 (μA)

p(e,e'γ) p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 08 (yy / mm / dd) Initials: DD

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 8.454 GeV

Raster: ☒ On ☐ Off Size: 2x2

HMS p: +0 3.803 (From GUI) θ(TV): ~~22.98~~ (Nearest 0.005)

SHMS θ(TV): 28.75 (Nearest 0.005)

NPS θ = SHMS −16.30° ~~0.75~~ (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.7 mm	0.3 mm
Nomin:		Nomin:
3H07C	X	Y
	0.02 mm	-0.3 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

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Run Number: 3438 | I_{beam}: 5 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 02:07 | Stop time (from RC): 02:40

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.14M | hTRIG3 rate 469 | hTRIG4 rate 280 | hTRIG5 rate 142 | hTRIG6 rate 98

☑ Data ok ☒ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 881K | Charge 8.5 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.99% | Max NPS anode current (single crystal) 3.66 (μA)

Run Number: 3439 3440 | I_{beam}: 3415 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.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: Runs 3439 PS2=2 and 3440 Data ~~too~~ too low rate

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

Run Number: 3441 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 02:48 | Stop time (from RC): 03:16

☒ Settings Verified? ☒ HV OK? ☒ 50k OK?

hTRIG1 rate 2.4M | hTRIG3 rate 1.31K | hTRIG4 rate 762 | hTRIG5 rate 786 | hTRIG6 rate 459

☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: PS3 = 0

Events 1.8M | Charge 20.8 C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 5.01 (μA)

Run Number: 3442 | I_{beam}: 10 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 03:18 | Stop time (from RC): 03:41

☒ Settings Verified? ☒ HV OK? ☒ 50k OK?

hTRIG1 rate 2M | hTRIG3 rate 864 | hTRIG4 rate 520 | hTRIG5 rate 414 | hTRIG6 rate 253

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: PS4=0

Events _____ | Charge _____ C | Active trigger LiveTime fraction (NPS Scaler Gui) | Max NPS anode current (single crystal) 3.75 (μA)

p(e,e'γ) p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 08 (yy / mm / dd) Initials: DD

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 5.454 GeV

Raster: ☒ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.7 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.03 mm (Nomin:)	-0.2 mm (Nomin:)

HMS p: +/- 3.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS θ(TV): 28.76 (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: 3443 | I_{beam}: 5 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 03:44 | Stop time (from RC): 04:20

☒ Settings Verified? ☒ HV OK? ☒ 50k OK?

hTRIG1 rate: 1.8M | hTRIG3 rate: 443 | hTRIG4 rate: 272 | hTRIG5 rate: 200 | hTRIG6 rate: 132

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☒

Comments:

Events_____ Charge 10.5C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 12.96 (μA)

Run Number: 3444 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

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

☒ Settings Verified? ☒ HV OK? ☐ 50k OK?

hTRIG1 rate: 2.4M | hTRIG3 rate: 1273 | hTRIG4 rate: 738 | hTRIG5 rate: 768 | hTRIG6 rate:

☐ Data ok ☒ Junk

coin_sparse ☐ coin ☒ coin_sparse_low ☐

Comments: PS6=2 ~ 40MB/s

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui):

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

Run Number: 3445 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 04: | 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: PS6=0 ~ 100 MB/s

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui):

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

Run Number: 3446 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 04:26 | Stop time (from RC): 04:49

☒ Settings Verified? ☒ HV OK? ☐ 50k OK?

hTRIG1 rate: 2.4M | hTRIG3 rate: 1277 | hTRIG4 rate: 752 | hTRIG5 rate: 745 | hTRIG6 rate: 442

☒ Data ok ☐ Junk

coin_sparse ☐ coin ☒ coin_sparse_low ☐

Comments:

Events 220K Charge 14.6C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.69 (μA)

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

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

Use a separate sheet for each configuration.

Date: ___/___/___ (yy mm dd) Initials: _____

Kinematics: KinC_x 60-20

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 3.45 GeV

Raster: ☒ On ☐ Off Size: 2.2

Beam position and angle on target:

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

HMS p: +/- 3.863 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS θ(TV): 32.87 (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

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Run Number: 3447 | I_{beam}: 30 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 05:03 | Stop time (from RC): 06:06

Settings Verified? ☒ HV OK? ☒ 50k OK? ☒

hTRIG1 rate: 1.6M | hTRIG3 rate: 42 | hTRIG4 rate: 47 | hTRIG5 rate: 41 | hTRIG6 rate: 40

☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 1.37K Charge 18.5C

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

Max NPS anode current (single crystal): 3.64 (μA)

Run Number: 3448 | I_{beam}: 30 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 06:07 | Stop time (from RC): 06:16

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: Beam taken away at end of run.

Events ____ Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3449 | I_{beam}: 30 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 06:39 | Stop time (from RC): 07:46

Settings Verified? ☒ HV OK? ☒ 50k OK? ☒

hTRIG1 rate: 0.981M | hTRIG3 rate: 877 | hTRIG4 rate: 584 | hTRIG5 rate: 236 | hTRIG6 rate: 172

☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 641K Charge 109.6C

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

Max NPS anode current (single crystal): 3.83 (μA)

Run Number: 3450 | I_{beam}: 30 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 07:48 | Stop time (from RC): 08:08:55

Settings Verified? ☒ HV OK? ☒ 50k OK? ☒

hTRIG1 rate: 0.6M | hTRIG3 rate: 613 | hTRIG4 rate: 395 | hTRIG5 rate: ~~122~~ | hTRIG6 rate: ~~94~~

☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: 20 min

Events 117923 Charge 19.3 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.71 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23/12/08 (yy/mm/dd) Initials: YZ

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2x2mm

Beam position and angle on target:

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

HMS p: +3.8030 (From GUI) θ(TV): 22.920 (Nearest 0.005)

SHMS θ(TV): 32.865 (Nearest 0.005)

NPS θ = SHMS −16.30°: 16.565 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 467.92 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3451 | I_{beam}: 10 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 08:11:41 | Stop time (from RC): 13:32:23

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.86e5 | hTRIG3 rate: 338 | hTRIG4 rate: 230 | hTRIG5 rate: 66.7 | hTRIG6 rate: 56.4

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 20 min

Events 69566 | Charge 11.28m C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 3.63 (μA)

Run Number: 3452 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 08:36:13 | Stop time (from RC): 08:57:34

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 9.8e5 | hTRIG3 rate: 905 | hTRIG4 rate: 588 | hTRIG5 rate: 236 | hTRIG6 rate: 168

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 20 min PS3=0

Events 1076218 | Charge 24.57m C | Active trigger LiveTime fraction (NPS Scaler Gui): — | Max NPS anode current (single crystal): 3.73 (μA)

Run Number: 3453 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 09:00:28 | Stop time (from RC): 09:07:28

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 6.22e5 | hTRIG3 rate: 602 | hTRIG4 rate: 402 | hTRIG5 rate: 122 | hTRIG6 rate: 97

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/40mm PS4=0

Events 160162 | Charge 7.62m C | Active trigger LiveTime fraction (NPS Scaler Gui): — | Max NPS anode current (single crystal): 3.84 (μA)

Run Number: 3454 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 10:06:10 | Stop time (from RC): 10:23:21

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 6.54e5 | hTRIG3 rate: 618 | hTRIG4 rate: 417 | hTRIG5 rate: 140 | hTRIG6 rate: 116

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 15/40 mm PS4=0

Events 347678 | Charge 16.15m C | Active trigger LiveTime fraction (NPS Scaler Gui): — | Max NPS anode current (single crystal): 3.68 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 08 (yy / mm / dd) **Initials:** YZ

Kinematics: KinC_x 60_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

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

HMS p: ±3.8030 (From GUI) θ(TV): 22.920 (Nearest 0.005)

SHMS θ(TV): 32.865 (Nearest 0.005)

NPS θ = SHMS −16.30° 16.565 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 467.3 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3455 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: — PS2: — PS3: — PS4: 6 PS5: — PS6: —

Start time (from RC): 11:13:58 | Stop time (from RC): 11:34:29

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 6.19e5 | hTRIG3 rate: 597 | hTRIG4 rate: 393 | hTRIG5 rate: 128 | hTRIG6 rate: 98

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: 20/40min PS4=0

Events 465651 Charge 22.24m C

Active trigger LiveTime fraction (NPS Scaler Gui): —

Max NPS anode current (single crystal): 3.56 (μA)

Run Number: 3456 | I_{beam}: 10 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

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

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

☐ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☑ coin_sparse_low

Comments: DAQ error (reboot NPS crates)

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3457 | I_{beam}: 10 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 11:46:30 | Stop time (from RC): 12:09:49

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.53e6 | hTRIG3 rate: 320 | hTRIG4 rate: 234 | hTRIG5 rate: 144 | hTRIG6 rate: 110

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☑ coin_sparse_low

Comments: 20min low PS6=0

Events 146570 Charge 12.80m C

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

Max NPS anode current (single crystal): 3.77 (μA)

Run Number: 3458 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 12:14:25 | Stop time (from RC): 12:25:17

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 8.23e5 | hTRIG3 rate: 890 | hTRIG4 rate: 590 | hTRIG5 rate: 203 | hTRIG6 rate: 150

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: 10 min coin PS6=0

Events 88345 Charge 17.71m C

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

Max NPS anode current (single crystal): 3.86 (μA)

p(e,e'γ) p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 08 (yy / mm / dd) Initials: YZ

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2x2mm

Beam position and angle on target:

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

HMS p: +2 3.8030 (From GUI) θ(TV): 22.920 (Nearest 0.005)

SHMS θ(TV): 32.865 (Nearest 0.005)

NPS θ = SHMS −16.30° 16.565 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 47.92 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3459 | I_{beam}: 30 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 12:36:09 | Stop time (from RC): 12:52:46

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.12e6 | hTRIG3 rate: 1061 | hTRIG4 rate: 554 | hTRIG5 rate: 271 | hTRIG6 rate: 160

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 15 min Dummy ps6 = 0

Events 15150 | Charge 26.7 mC

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

Max NPS anode current (single crystal): 4.0 (μA)

Run Number: 3460 | I_{beam}: ~~30~~ 15 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 12:56:07 | Stop time (from RC): 13:13:33

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 4.9e5 | hTRIG3 rate: 550 | hTRIG4 rate: 299 | hTRIG5 rate: 90 | hTRIG6 rate: 66

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 15 min

Events 7907 | Charge 13.8 mC

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

Max NPS anode current (single crystal): 3.95 (μA)

Run Number: 3461 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 13:25:18 | Stop time (from RC): 14:28:05

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.5e6 | hTRIG3 rate: 1780 | hTRIG4 rate: 753 | hTRIG5 rate: 476 | hTRIG6 rate: 294

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1 hour

Events 967240 | Charge 48.22 C

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

Max NPS anode current (single crystal): 3.71 (μA)

Run Number: 3462 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 14:29:29 | Stop time (from RC): 14:34:53

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 1.5e6 | hTRIG3 rate: 1292 | hTRIG4 rate: 764 | hTRIG5 rate: 460 | hTRIG6 rate: 284

☐ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: ~~Hour~~ 5 min

Events 81443 | Charge 4.04 mC

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

Max NPS anode current (single crystal): 4.01 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23/12/08 (yy/mm/dd) Initials: YZ

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2X2 mm

Beam position and angle on target:

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

HMS: p: +/- 3.8030 From GUI; θ(TV): 22.920 Nearest 0.005

SHMS: θ(TV): 32.865 Nearest 0.005

NPS: θ = SHMS −16.30°: 16.565 Nearest 0.005

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 467.92 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3463 | I_{beam}: 15 μA | ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 15:40:54 | Stop time (from RC): 16:44

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.87e6 | hTRIG3 rate: 1235 | hTRIG4 rate: 719 | hTRIG5 rate: 537 | hTRIG6 rate: 338

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Sweeper OFF 2/5 1 hour "

Events 1.08M | Charge 45.47 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 9.88 (μA)

Run Number: 3464 | I_{beam}: 15 μA | ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 16:48 | Stop time (from RC): 17:01

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: $1.26 \cdot 10^6$ | hTRIG3 rate: 1263.9 | hTRIG4 rate: 714.7 | hTRIG5 rate: 537.2 | hTRIG6 rate: 327.8

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: run 3/5 1hr Sweeper mag off "

Events 242K | Charge 10.56 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 9.44 (μA)

Run Number: 3465 | I_{beam}: 15 μA | ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 17:09 | Stop time (from RC): 18:09

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: $9.77 \cdot 10^5$ | hTRIG3 rate: 1284.3 | hTRIG4 rate: 747.5 | hTRIG5 rate: 304.4 | hTRIG6 rate: 191.8

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Retake of 2/5 with 1hr Sweeper ON

Events 907K | Charge 45.97 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 3.68 (μA)

Run Number: 3466 | I_{beam}: 15 μA | ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 18:12 | Stop time (from RC): 19:00

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: $9.73 \cdot 10^5$ | hTRIG3 rate: 1277.0 | hTRIG4 rate: 732.7 | hTRIG5 rate: 452.8 | hTRIG6 rate: 264.6

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: retaking 1hr #3/5 12 min. short of full hr

Events 670K | Charge 33.86 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 3.81 (μA)

p(e,e'γ) p Run Sheet

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

Date: 23/12/09 (yy/mm/dd) Initials: WL

Use a separate sheet for each configuration.

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

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

HMS p: +/- _____ (From GUI) θ(TV): _____ (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 = _____ Amp | NPS Upstream Corr. I = _____ Amp | NPS Upstream Corr. I = _____ Amp

---

Run Number: 3467 | I_{beam}: 15 μA | ☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 9:23. Stop time (from RC): ~~3467~~ 10:32

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.62 M. hTRIG3 rate 1276 hTRIG4 rate 734.

hTRIG5 rate ~~744~~ 460 hTRIG6 rate 278

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/5 LD2. Trippy Run. ~~[illegible]~~

Events 64k. Charge 34.5M C

Active trigger LiveTime fraction (NPS Scaler Gui) 100. ~~38~~

Max NPS anode current (single crystal) 3.38 (μA)

Run Number: 3468. | I_{beam}: 15 μA | ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): ~~3468~~ 10:37 Stop time (from RC): 11:39.

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.62 M. hTRIG3 rate 1273 hTRIG4 rate 728

hTRIG5 rate 473 hTRIG6 rate 315

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4.5/5 LD2.

Events 1 M Charge 49.39 C

Active trigger LiveTime fraction (NPS Scaler Gui) 100

Max NPS anode current (single crystal) 3.65 (μA)

Run Number: 3469 | I_{beam}: 15 μA | ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 11:41. Stop time (from RC): 12:36

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.6 M. hTRIG3 rate 1266 hTRIG4 rate

hTRIG5 rate 735 hTRIG6 rate 451

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 45 min Run

Events ~~900k~~ 900k Charge 45.36M C

Active trigger LiveTime fraction (NPS Scaler Gui) 100.

Max NPS anode current (single crystal) 100 (μA)

Run Number: 3470 | I_{beam}: 10 μA | ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 12:39 Stop time (from RC): 13:08

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1M hTRIG3 rate 849 hTRIG4 rate 501

hTRIG5 rate 222 hTRIG6 rate 154.

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 220k. Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui) 100

Max NPS anode current (single crystal) 3.7 (μA)

p(e,e'γ) p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23/12/09 (yy/mm/dd) Initials: WL.

Kinematics: KinC_x 60-2

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: —

HMS, field, current OK? yes ☑ no ☐

E_{beam}: — GeV

Raster: ☐ On ☐ Off Size: —

Beam position and angle on target:

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

HMS p: +/- — From GUI; θ(TV): — 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 = ____ Amp | NPS Upstream Corr. I = ____ Amp | NPS Upstream Corr. I = — Amp

482k

Run Number: 3471 | I_{beam}: 5 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ____

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

Start time (from RC): 13:11 | Stop time (from RC): —

Settings Verified? ☑ HV OK? ☑ 50k OK? ☑

hTRIG1 rate 1.82M | hTRIG3 rate 455 | hTRIG4 rate 273

hTRIG5 rate 90 | hTRIG6 rate 71.2

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 100k Charge 7.25M C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.71 (μA)

Run Number: 3472 | I_{beam}: — μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ____

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

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

Settings Verified? ☐ HV OK? ☐ 50k OK? ☐

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate

hTRIG5 rate | hTRIG6 rate

Data ok ☐ Junk ☑

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Junk.

Events — Charge — C

Active trigger LiveTime fraction (NPS Scaler Gui):

Max NPS anode current (single crystal): 3.71 (μA)

Run Number: 3473 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☑ ____

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

Start time (from RC): 13:39 | Stop time (from RC): 14:04

Settings Verified? ☑ HV OK? ☑ 50k OK? ☑

hTRIG1 rate 1.57M | hTRIG3 1235 | hTRIG4 726

hTRIG5 rate 443 | hTRIG6 rate 278

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: PS3 = 0

Events 1.6M Charge 17.8m C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.88 (μA)

Run Number: 3474 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ____

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

Start time (from RC): 14:05 | Stop time (from RC): 14:47

Settings Verified? ☑ HV OK? ☑ 50k OK? ☑

hTRIG1 rate 1M | hTRIG3 896 | hTRIG4 514

hTRIG5 rate 229 | hTRIG6 rate 146

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: PS4 = 0

Events 1.2M Charge 22.2m C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.9 (μA)

p(e,e'γ) p Run Sheet

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

Date: 23/12/09 (yy/mm/dd) Initials: WL

Use a separate sheet for each configuration.

Kinematics: KinC_x 00-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: ___ GeV

Raster: ☑ On ☐ Off Size: ___

Beam position and angle on target:

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

HMS: p: +/- ___ From GUI; θ(TV): ___ 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 = ___ Amp | *NPS Upstream Corr.* I = ___ Amp | NPS Upstream Corr. I = ___ Amp

---

Run Number: 3475

I_{beam}: ___ μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.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: Junk.

Events ___ Charge ___ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) ___ (μA)

Run Number: 3476

I_{beam}: 5 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ___

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

Start time (from RC): 14:52. Stop time (from RC): 15:12.

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.8M hTRIG3 rate 460 hTRIG4 rate 272.

hTRIG5 rate 200 hTRIG6 rate 134.

☑ Data ok ☐ Junk

coin_sparse ☐ *coin* ☐ *coin_sparse_low* ☑

Comments:

Events 159k Charge 5.56m C

Active trigger LiveTime fraction (NPS Scaler Gui) 100.

Max NPS anode current (single crystal) 4 (μA)

Run Number: 3477.

I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ___

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

Start time (from RC): 15:15 Stop time (from RC): 15:26

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.37M hTRIG3 rate 1231 hTRIG4 rate 740.

hTRIG5 rate 405 hTRIG6 rate 247.

☑ Data ok ☐ Junk

coin_sparse ☐ *coin* ☑ *coin_sparse_low* ☐

Comments:

Events 151k Charge 855m C

Active trigger LiveTime fraction (NPS Scaler Gui) ~~3.8~~ 100.

Max NPS anode current (single crystal) 3.85 (μA)

Run Number: ___

I_{beam}: ___ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.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) ___ (μA)

p(e,e'γ) p Run Sheet

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

Date: 23 12 09 (yy mm dd) Initials: WL

Use a separate sheet for each configuration.

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.755 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 mm

Beam position and angle on target:

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

HMS: p: +3.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS 28.75: θ(TV): [illegible] (Nearest 0.005)

NPS: θ = SHMS −16.30° = 12.45 (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: 3478 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 15:35 | Stop time (from RC): 16:40

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.59 MHz | hTRIG3 rate: 889 | hTRIG4 rate: 577

hTRIG5 rate: 435 | hTRIG6 rate: 293

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events: 0.93M Charge: 0.096 C

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

Max NPS anode current (single crystal): 5.88 (μA)

Run Number: 3479 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 16:41 | Stop time (from RC): 17:42

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.98x10⁶ | hTRIG3 rate: 850 | hTRIG4 rate: 555

hTRIG5 rate: 440 | hTRIG6 rate: 295

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events: 0.95M Charge: 0.094 C

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

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

Run Number: 3480 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 17:43 | Stop time (from RC): 18:02

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.09x10⁶ | hTRIG3 rate: 608 | hTRIG4 rate: 405

hTRIG5 rate: 220 | hTRIG6 rate: 160

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events: 0.16M Charge: 19.7m C

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

Max NPS anode current (single crystal): 3.91 (μA)

Run Number: 3481 | I_{beam}: 10 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 18:03 | Stop time (from RC): 18:16

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 6.93x10⁵ | hTRIG3 rate: 333 | hTRIG4 rate: 225

hTRIG5 rate: 83 | hTRIG6 rate: 66

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: No beam after 5 min we started the run

Events: 0.03M Charge: 2.87m C

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

Max NPS anode current (single crystal): 4.06 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 09 (yy / mm / dd) Initials: C. G.

Kinematics: KinC_x 60_2'

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8458 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

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

HMS p: +(-) 3.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS 28.75 θ(TV): _____ (Nearest 0.005)

NPS θ = SHMS −16.30° 12.45 (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

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Run Number: 3482 | I_{beam}: 10 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 18:42 | Stop time (from RC): 19:02

☑ 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 0.085M Charge 10.6m C

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

Max NPS anode current (single crystal): 3.79 (μA)

Run Number: 3483 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 19:04 | Stop time (from RC): 19:27

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.92x10^6 | hTRIG3 rate: 870 | hTRIG4 rate: 602 | hTRIG5 rate: 395 | hTRIG6 rate: 270

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 0.36M Charge 34.7m C

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

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

Run Number: 3484 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 19:28 | Stop time (from RC): ?

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.39x10^6 | hTRIG3 rate: 600 | hTRIG4 rate: 415 | hTRIG5 rate: 215 | hTRIG6 rate: 150

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: problem ending run

Events 0.94M Charge ____ C

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

Max NPS anode current (single crystal): 3.77 (μA)

Run Number: 3485 | I_{beam}: 10 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 20:13 | Stop time (from RC): 20:37

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 1.93x10^6 | hTRIG3 rate: 320 | hTRIG4 rate: 215 | hTRIG5 rate: 165 | hTRIG6 rate: 125

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☑

Comments:

Events 0.16M Charge 12.7m C

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

Max NPS anode current (single crystal): 3.63 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 09 (yy / mm / dd) Initials: C.G

Kinematics: KinC_x 60_21

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	3H07A Y
1.7 mm (Nomin:)	0.3 mm (Nomin:)
3H07C X	**3H07C Y**
0.7 mm (Nomin:)	0.3 mm (Nomin:)

HMS

p: +~~3.983~~ From GUI θ(TV): 22.92 Nearest 0.005

SHMS

θ(TV): 28.75 Nearest 0.005

NPS

θ = SHMS −16.30° 12.45 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: 3486 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 20:39 Stop time (from RC): 20:54

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 1.77x10^6 hTRIG3 rate: 850 hTRIG4 rate: 560 hTRIG5 rate: 370 hTRIG6 rate: 250

☑ Data ok ☐ Junk

coin_sparse ☐ *coin* ☑ *coin_sparse_low* ☐

Comments:

Events 0.19M Charge 20.8C

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

Max NPS anode current (single crystal): 5.53 (μA)

Run Number: 3487 | I_{beam}: ~~30~~ 20 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 21:00 Stop time (from RC): 21:21

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.12x10^6 hTRIG3 rate: 1050 hTRIG4 rate: 550 hTRIG5 rate: 511 hTRIG6 rate: 275

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 0.27M Charge 27.8mC

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

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

Run Number: 3488 | I_{beam}: 15 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 21:22 Stop time (from RC): 2:37

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.14x10^6 hTRIG3 rate: 553 hTRIG4 rate: 315 hTRIG5 rate: 165 hTRIG6 rate: 108

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 0.08M Charge 11.7mC

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

Max NPS anode current (single crystal): 5.28 (μA)

Run Number: 3489 | I_{beam}: 20 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 21:46 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)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 09 (yy / mm / dd) Initials: C.E.

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: _____

Beam position and angle on target:

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

HMS

p: +03.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS

θ(TV): 28.75 (Nearest 0.005)

NPS

θ = SHMS −16.30°: 12.45 (Nearest 0.005)

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

---

Run Number: 3490 — I_{beam}: 20 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 22:06 — Stop time (from RC): 23:16

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.59x10^6 — hTRIG3 rate: 1685 — hTRIG4 rate: 940

hTRIG5 rate: 1130 — hTRIG6 rate: 650

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 2.37M — Charge 68.8 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9%

Max NPS anode current (single crystal): 6.54 (μA)

Run Number: 3491 — I_{beam}: 20 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 23:17 — Stop time (from RC): 00:20

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.59x10^6 — hTRIG3 rate: 1685 — hTRIG4 rate: 950

hTRIG5 rate: 1130 — hTRIG6 rate: 650

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 2.02M — Charge 58.5 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.95%

Max NPS anode current (single crystal): 6.60 (μA)

Run Number: 3492 — I_{beam}: 20 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 00:21 — Stop time (from RC): 01:21

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.58x10^6 — hTRIG3 rate: 1642.6 — hTRIG4 rate: 988.2

hTRIG5 rate: 1026.4 — hTRIG6 rate: 667

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 2.2M — Charge 4.32 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.99

Max NPS anode current (single crystal): 6.44 (μA)

Run Number: 3493 — I_{beam}: 20 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 01:23 — Stop time (from RC): 02:23

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 2.59x10^6 — hTRIG3 rate: 1698 — hTRIG4 rate: 992.6

hTRIG5 rate: 1136.2 — hTRIG6 rate: 692.2

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 2.4M — Charge 50.8 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.91

Max NPS anode current (single crystal): 6.78 (μA)

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

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

Use a separate sheet for each configuration.

Date: 2023 / 12 / 16 (yy / mm / dd) Initials: TS

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.435 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.910 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	-0.087 mm (Nomin:)	0.95 mm (Nomin:)

HMS

p: +/- 8.803 (From GUI) θ(TV): 22.97 (Nearest 0.005)

SHMS

θ(TV): 28.16 (Nearest 0.005)

NPS

θ = SHMS −16.30° 12.46 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | *NPS Sweep Magnet* I = 168 Amp | *NPS Upstream Corr.* I = _____ Amp | NPS Upstream Corr. I = 0 Amp

---

Run Number: 3494 | I_{beam}: 20 μA | ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____ | PS1: 1 PS2: 1 PS3: 1 PS4: 1 PS5: 1 PS6: 0 | Start time (from RC): 02:24 | Stop time (from RC): 03:22 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 2.58X10^6 | hTRIG3 rate 1657 | hTRIG4 rate 992.1 | hTRIG5 rate 1116.3 | hTRIG6 rate 673.7 | ☑ Data ok ☐ Junk

coin_sparse ☐ *coin* ☐ *coin_sparse_low* ☐ | Comments: | *Events* 2.3M *Charge* 4.98m C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.94% | Max NPS anode current (single crystal) 6.34 (μA)

Run Number: 3495 | I_{beam}: 10 μA | ☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____ | PS1: 1 PS2: 1 PS3: 1 PS4: 1 PS5: 1 PS6: 0 | Start time (from RC): 03:27 | Stop time (from RC): 03:52 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 1.98X10^6 | hTRIG3 rate 889.3 | hTRIG4 rate 528.6 | hTRIG5 rate 398.1 | hTRIG6 rate 260.1 | ☐ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐ | Comments: | *Events* 0.37M *Charge* 1.99m C | Active trigger LiveTime fraction (NPS Scaler Gui) | Max NPS anode current (single crystal) 3.98 (μA)

Run Number: 3496 | I_{beam}: 5 μA | ☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____ | PS1: 1 PS2: 1 PS3: 1 PS4: 1 PS5: 1 PS6: 0 | Start time (from RC): | Stop time (from RC): | ☐ Settings Verified? ☐ HV OK? ☐ 50k OK? | hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate | ☐ Data ok ☑ Junk

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: 3497 | I_{beam}: 5 μA | ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____ | PS1: 1 PS2: 1 PS3: 1 PS4: 1 PS5: 1 PS6: 0 | Start time (from RC): 04:01 | Stop time (from RC): 04:25 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 1.04X10^6 | hTRIG3 rate 457 | hTRIG4 rate 214.2 | hTRIG5 rate 149.1 | hTRIG6 rate 95.9 | ☐ Data ok ☐ Junk

coin_sparse ☐ *coin* ☐ *coin_sparse_low* ☐ | Comments: | *Events* 2.14M *Charge* 6.81m C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.98% | Max NPS anode current (single crystal) 3.30 (μA)

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

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

Use a separate sheet for each configuration.

Date: 2023 / 12 / 10 (yy / mm / dd) Initials: T.S

Kinematics: KinC_x 66-2'

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 3.435 GeV

Raster: ☑ On ☐ Off Size: 2 x 2

Beam position and angle on target:

	X	Y
3H07A	1.11 mm (Nomin:)	0.298 mm (Nomin:)
3H07C	-0.092 mm (Nomin:)	0.161 mm (Nomin:)

HMS p: +/- 3.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS θ(TV): 28.96 (Nearest 0.005)

NPS θ = SHMS −16.30° 12.46 (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

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Run Number: 3498 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 04:27 | Stop time (from RC): 04:55

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.41 X10^6 | hTRIG3 rate 1253.8 | hTRIG4 rate 1744.6 | hTRIG5 rate 1739.5 | hTRIG6 rate 4423

☑ Data ok ☐ Junk

coin_sparse ☐ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 1.84M *Charge* 20.05 C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 3.23 (μA)

Run Number: 3499 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 04:58 | Stop time (from RC): 05:50

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 1.90 X10^6 | hTRIG3 rate 1424.2 | hTRIG4 rate 2118.9 | hTRIG5 rate 369.4 | hTRIG6 rate 2497.5

☑ Data ok ☐ Junk

coin_sparse ☐ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 1.25M *Charge* 22.68 C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) (μA)

Run Number: 3500 | I_{beam}: 5 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 05:55 | Stop time (from RC): 06:26

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.24 X10^6 | hTRIG3 rate 420.6 | hTRIG4 rate 701.1 | hTRIG5 rate 411 | hTRIG6 rate 1386

☑ Data ok ☐ Junk

coin_sparse ☐ *coin* ☐ *coin_sparse_low* ☑

Comments:

Events 2.41M *Charge* 43.00 C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.99

Max NPS anode current (single crystal) 3.5 (μA)

Run Number: 3501 | I_{beam}: 15 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

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

☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

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

☐ Data ok ☑ Junk

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:Runsheet_dvcs_NPS.pdf

Date: 2023 / 12 / 10 (yy / mm / dd) Initials: T.S

Use a separate sheet for each configuration.

Kinematics: KinC_x 6-2

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: ______

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 8.455 GeV

Raster: [x] On [ ] Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.64 mm	0.289 mm
3H07C	-0.12 mm	0.692 mm

HMS p: +/- 3.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS θ(TV): 28.96 (Nearest 0.005)

NPS θ = SHMS −16.30° 12.46 (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	Target	PS	Start/Stop time (from RC)	Checks	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	hTRIG5 rate	hTRIG6 rate	Data
3502; I_{beam}: 15 μA	[x] LD2 10cm	PS1–PS6: -	Start 06:33 / Stop 06:48	[x] Settings Verified? [x] HV OK? [ ] 50k OK?	2.32x10^6	1263.5	748.1	109.9	424.9	[x] Data ok [ ] Junk

[ ] coin_sparse [x] coin [ ] coin_sparse_low

Comments:

Events 1.8M *Charge* 12.69 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 97.4

Max NPS anode current (single crystal): 5.9 (μA)

Run Number	Target	PS	Start/Stop time (from RC)	Checks	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	hTRIG5 rate	hTRIG6 rate	Data
I_{beam}: ___ μA	[ ] LH2 10cm [ ] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ]	PS1: PS2: PS3: PS4: PS5: PS6:	Start time: / Stop time:	[ ] Settings Verified? [ ] HV OK? [ ] 50k OK?						[ ] 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)

Run Number	Target	PS	Start/Stop time (from RC)	Checks	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	hTRIG5 rate	hTRIG6 rate	Data
I_{beam}: ___ μA	[ ] LH2 10cm [ ] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ]	PS1: PS2: PS3: PS4: PS5: PS6:	Start time: / Stop time:	[ ] Settings Verified? [ ] HV OK? [ ] 50k OK?						[ ] 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)

Run Number	Target	PS	Start/Stop time (from RC)	Checks	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	hTRIG5 rate	hTRIG6 rate	Data
I_{beam}: ___ μA	[ ] LH2 10cm [ ] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ]	PS1: PS2: PS3: PS4: PS5: PS6:	Start time: / Stop time:	[ ] Settings Verified? [ ] HV OK? [ ] 50k OK?						[ ] 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)

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

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

Use a separate sheet for each configuration.

Date: 2023 / 12 / 10 (yy / mm / dd) Initials: T-S

Kinematics: KinC_x 6.0_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 2.455 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 0.3803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS θ(TV): 32.87 (Nearest 0.005)

NPS θ = SHMS −16.30° 16.57 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.766 mm (Nomin:)	0.298 mm (Nomin:)
3H07C	0.098 mm (Nomin:)	0.126 mm (Nomin:)

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

---

Run Number: 3503 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 06:58 | Stop time (from RC): 08:06

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 9.01x10^5 | hTRIG3 rate: 884.1 | hTRIG4 rate: 5M.3 | hTRIG5 rate: 211.6 | hTRIG6 rate: 1.5L6

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 570k Charge 100.8m C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.9 (μA)

Run Number: 3504 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 08:07 | Stop time (from RC): 09:09

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 920k | hTRIG3 rate: 828 | hTRIG4 rate: 577 | hTRIG5 rate: 205 | hTRIG6 rate: 155

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 533k Charge 94.96 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.33 (μA)

Run Number: 3505 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 9:11 | Stop time (from RC):

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 583k | hTRIG3 rate: 597 | hTRIG4 rate: 402 | hTRIG5 rate: 62 | hTRIG6 rate: 47

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 94k Charge 16.27 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.38 (μA)

Run Number: 3506 | I_{beam}: 10 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 9:33 | Stop time (from RC): 9:54

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 257k | hTRIG3 rate: 340 | hTRIG4 rate: 235 | hTRIG5 rate: 65 | hTRIG6 rate: 59

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 68k Charge 11.32 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.23 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 10 (yy / mm / dd) Initials: EW

Kinematics: KinC_x60_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.458 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.693 mm (Nomin:)	0.3080 mm (Nomin:)
3H07C	0.675 mm (Nomin:)	0.2434 mm (Nomin:)

HMS: p: +(-) 3.8030 (From GUI) θ(TV): 22.980 (Nearest 0.005)

SHMS: θ(TV): 32.87 (Nearest 0.005)

NPS: θ = SHMS −16.30° 16.57 (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

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Run Number: 3507 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 9:58 | Stop time (from RC): 10:19

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 926k | hTRIG3 rate: 876 | hTRIG4 rate: 592 | hTRIG5 rate: 218 | hTRIG6 rate: 162

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 559k Charge 2.81 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.31 (μA)

Run Number: 3508 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 10:21 | Stop time (from RC): 11:12

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 563k | hTRIG3 rate: 606 | hTRIG4 rate: 411 | hTRIG5 rate: 120 | hTRIG6 rate: 92

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☐

Comments:

Events 908.8k Charge 10.64 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.24 (μA)

Run Number: 3509 | I_{beam}: 10 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 11:16 | Stop time (from RC): 11:42

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1570k | hTRIG3 rate: 326.9 | hTRIG4 rate: 223.5 | hTRIG5 rate: 144.6 | hTRIG6 rate: 108.4

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☑

Comments:

Events 147k Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.25 (μA)

Run Number: 3510 | I_{beam}: 30 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 11:45 | Stop time (from RC): 11:47

☑ 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: HMS Q3 and Dipole Tripped

Events 3.8k Charge 1.59 C

Active trigger LiveTime fraction (NPS Scaler Gui):

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

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 10 (yy / mm / dd) Initials: EW

Kinematics: KinC_x 60_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.454 GeV

Raster: ☒ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.6986 mm (Nomin:)	0.321 mm (Nomin:)
3H07C	0.6905 mm (Nomin:)	0.305 mm (Nomin:)

HMS p: +~~E~~ 3.8030 (From GUI) θ(TV): 22.920 (Nearest 0.005)

SHMS θ(TV): 32.87 (Nearest 0.005)

NPS θ = SHMS −16.30° = 16.57 (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: 3511 | I_{beam}: 30 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 12:12 | Stop time (from RC): 12:22

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 817 k | hTRIG3 rate 921.1 | hTRIG4 rate 607.9

hTRIG5 rate 211.9 | hTRIG6 rate 150.9

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☒ coin_sparse_low ☐

Comments:

Events 29 k Charge 17.17 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.45 (μA)

Run Number: 3512 | I_{beam}: 30 μA

☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 12:31 | Stop time (from RC): 12:48

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1060 k | hTRIG3 rate 1083.3 | hTRIG4 rate 555.6

hTRIG5 rate 273.1 | hTRIG6 rate 159.6

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: switched to Dummy

Events 146 k Charge 25.79 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.86 (μA)

Run Number: 3513 | I_{beam}: 15 μA

☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 12:50 | Stop time (from RC): 13:08

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 449 k | hTRIG3 rate 557.9 | hTRIG4 rate 298.7

hTRIG5 rate 92.6 | hTRIG6 rate 69.4

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 74 k Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.42 (μA)

Run Number: 3514 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 13:18 | Stop time (from RC): 13:47

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1470 k | hTRIG3 rate 1232.6 | hTRIG4 rate 726.2

hTRIG5 rate 415.8 | hTRIG6 rate 253.0

☐ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Switched to LD2

Events 728 k Charge 21.95 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.49 (μA)

stopped to ramp HMS magnets Q3 and dipole

Magnet not properly ramped for all runs on this page

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 10 (yy / mm / dd) Initials: EW

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 8.458 GeV

Raster: ☒ On ☐ Off Size: 2x2

HMS p: +3.8030 (From GUI) θ(TV): 22.920 (Nearest 0.005)

SHMS θ(TV): 32.87 (Nearest 0.005)

NPS θ = SHMS −16.30° 16.57 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.700 mm	0.3015 mm
Nomin:		Nomin:
3H07C	X	Y
	0.7022 mm	0.2944 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

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Run Number: 3515 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 14:15 | Stop time (from RC): 15:17

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1500 k | hTRIG3 rate: 1221.4 | hTRIG4 rate: 755.1

hTRIG5 rate: illegible | hTRIG6 rate: 263.7

☑ Data ok ☐ Junk

coin_sparse ☒ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 958 k | Charge 49.84 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.53 (μA)

Run Number: 3516 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 15:18 | Stop time (from RC): 16:25

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1530 k | hTRIG3 rate: 1303.3 | hTRIG4 rate: 748.3

hTRIG5 rate: 448.2 | hTRIG6 rate: 272.2

☑ Data ok ☐ Junk

coin_sparse ☒ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 1 M | Charge 51.5 mC

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

Max NPS anode current (single crystal): 3.42 (μA)

Run Number: 3517 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 16:27 | Stop time (from RC): 16:35

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.47x10^6 | hTRIG3 rate: 1250 | hTRIG4 rate: 750

hTRIG5 rate: 445 | hTRIG6 rate: 270

☑ Data ok ☐ Junk

coin_sparse ☒ *coin* ☐ *coin_sparse_low* ☐

Comments: run ended for an escorted access for Chiller.

Events 0.12 M | Charge 6.4 mC

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

Max NPS anode current (single crystal): 3.40 (μA)

Run Number: 3518 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 18:55 | Stop time (from RC): 19:54

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.48x10^6 | hTRIG3 rate: 1280 | hTRIG4 rate: 750

hTRIG5 rate: 445 | hTRIG6 rate: 270

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 0.85 M | Charge 43 mC

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

Max NPS anode current (single crystal): 3.55 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 10 (yy / mm / dd) Initials: C.G.

Kinematics: KinC_x 60_20

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

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

HMS

p: +(-) 3.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS

θ(TV): 32.87 (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 = 468 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3519 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 19:55 | Stop time (from RC): 21:00

☒ Settings Verified? ☒ HV OK? ☒ 50k OK?

hTRIG1 rate: 1.53x10^6 | hTRIG3 rate: 1291 | hTRIG4 rate: 730 | hTRIG5 rate: 415 | hTRIG6 rate: 285

☒ Data ok ☐ Junk

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): 3.54 (μA)

Run Number: 3520 | I_{beam}: 10 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 21:01 | Stop time (from RC): 21:21

☒ Settings Verified? ☒ HV OK? ☒ 50k OK?

hTRIG1 rate: 1x10^6 | hTRIG3 rate: 860 | hTRIG4 rate: 525 | hTRIG5 rate: 215 | hTRIG6 rate: 145

☒ Data ok ☐ Junk

coin_sparse ☒ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 0.17M | Charge 11mC

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

Max NPS anode current (single crystal): 3.55 (μA)

Run Number: 3521 | I_{beam}: 5 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 21:23 | Stop time (from RC): 21:44

☒ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 4.7x10^5 | hTRIG3 rate: 480 | hTRIG4 rate: 280 | hTRIG5 rate: 90 | hTRIG6 rate: 66

☒ Data ok ☐ Junk

coin_sparse ☒ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 0.08M | Charge ____ C

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

Max NPS anode current (single crystal): 3.52 (μA)

Run Number: 3522 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): ~~3522~~ 21:45 | Stop time (from RC): 22:11

☒ Settings Verified? ☒ HV OK? ☒ 50k OK?

hTRIG1 rate: 1.54x10^6 | hTRIG3 rate: 1300 | hTRIG4 rate: 785 | hTRIG5 rate: 345 | hTRIG6 rate: 214

☒ Data ok ☐ Junk

coin_sparse ☒ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 1.4M | Charge 16mC

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

Max NPS anode current (single crystal): 3.54 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 10 (yy / mm / dd) Initials: G.G.

Kinematics: KinC_x 60_2

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 8.949 GeV

Raster: ☒ On ☐ Off Size: 2x2

Beam position and angle on target:

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

HMS: p: +3.803 From GUI; θ(TV): 22.92 Nearest 0.005

SHMS: θ(TV): 32.87 Nearest 0.005

NPS: θ = SHMS −16.30° = 16.57 Nearest 0.005

Collimator: HMS: Large ☒ Sieve ☐ | NPS Sweep Magnet I = 0 Amp | NPS Upstream Corr. I = 4.68 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3523 | I_{beam}: 10 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 22:13. Stop time (from RC): 22:57

Settings Verified? ☒ HV OK? ☒ 50k OK? ☒

hTRIG1 rate: 1MHz hTRIG3 rate: 870 hTRIG4 rate: 570 hTRIG5 rate: 240 hTRIG6 rate: 155

Data ok ☒ Junk ☐

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Data rate ~ 12MB/s.

Events 1.2M Charge 22nC

Active trigger LiveTime fraction (NPS Scaler Gui): 3.~~70~~ 100

Max NPS anode current (single crystal): 3.76 (μA)

Run Number: 3524 | I_{beam}: 5 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 23:00 Stop time (from RC): 23:22

Settings Verified? ☒ HV OK? ☒ 50k OK? ☒

hTRIG1 rate: ~~1.8M~~ hTRIG3 rate: hTRIG4 rate: hTRIG5 rate: hTRIG6 rate: ~~282~~

Data ok ☒ Junk ☐

coin_sparse ☐ coin ☐ coin_sparse_low ☒

Comments:

Events 0.17M Charge 6mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100/~~357~~

Max NPS anode current (single crystal): 3.57 (μA)

Run Number: 3525 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 23:25 Stop time (from RC): 23:35

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 0.09M Charge 5mC

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

Max NPS anode current (single crystal): 3.42 (μA)

Run Number: 3526 | I_{beam}: 30 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 23:47 Stop time (from RC): 00:49

Settings Verified? ☒ HV OK? ☑ 50k OK? ☑

hTRIG1 rate: 1.96×10^6 hTRIG3 rate: 899 hTRIG4 rate: 598 hTRIG5 rate: 405 hTRIG6 rate: 290

Data ok ☐ Junk ☐

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: USING FID TRACK EFFiciency

0.9981 ± 0.007

Events 940K Charge 94.9C

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

Max NPS anode current (single crystal): 6.00 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 11 (yy / mm / dd) Initials: EW

Kinematics: KinC_x 60 -2'

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 8.454 GeV

Raster: ☒ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	3H07A Y	3H07C X	3H07C Y
1.7005 mm	0.31425 mm	0.7023 mm	0.3040 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS p: +θ 3.8030 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS 28.77 θ(TV): 22.882 (Nearest 0.005)

NPS 12.47 θ = SHMS −16.30° 12.582 (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

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Run Number: 3527 | I_{beam}: 30 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 00:50 | Stop time (from RC): 01:51

Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1900k | hTRIG3 rate: 884.4 | hTRIG4 rate: 593.2 | hTRIG5 rate: 402.9 | hTRIG6 rate: 276.2

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Track Eff: 0.9973

Events 909k | Charge 92.37mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 5.79 (μA)

Run Number: 3528 | I_{beam}: 20 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 01:52 | Stop time (from RC): 02:12

Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1360k | hTRIG3 rate: 629.3 | hTRIG4 rate: 414.0 | hTRIG5 rate: 225.0 | hTRIG6 rate: 159.8

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: ~~Track Eff~~ Track Eff: 0.9978

Events 185k | Charge 23.04mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 4.19 (μA)

Run Number: 3529 | I_{beam}: 10 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 02:13 | Stop time (from RC): 02:34

Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 687k | hTRIG3 rate: 333.4 | hTRIG4 rate: 226.7 | hTRIG5 rate: 94.1 | hTRIG6 rate: 74.2

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Track Eff: 0.9986

Events 87.5k | Charge 11.04mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.70 (μA)

Run Number: 3530 | I_{beam}: 30 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 02:35 | Stop time (from RC): 02:55

Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1900k | hTRIG3 rate: 904.3 | hTRIG4 rate: 594.7 | hTRIG5 rate: 418.0 | hTRIG6 rate: 286.1

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Track Eff: 0.9983

Events 1.11m | Charge 32.19C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 5.68 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 11 (yy / mm / dd) Initials: EW

Kinematics: KinC_x Q-2'

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 8.455 GeV

Raster: ☒ On ☐ Off Size: 2x2

HMS p: +0 3.8030 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS 28.77 θ(TV): 28.87 (Nearest 0.005)

NPS 12.47 θ = SHMS −16.30° 12.57 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.694 mm	0.307 mm
Nomin:		Nomin:
3H07C	X	Y
	0.6998 mm	0.2967 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

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Run Number: 3531 | I_{beam}: 20 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 02:57 Stop time (from RC): 03:37

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1370k hTRIG3 rate: 603.3 hTRIG4 rate: 400.8 hTRIG5 rate: 213.2 hTRIG6 rate: 152.3

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Track Eff: 0.9975

Events 973k Charge 45.99 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.65 (μA)

Run Number: 3532 | I_{beam}: 10 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 03:39 Stop time (from RC): 04:06

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1420k hTRIG3 rate: 316.4 hTRIG4 rate: 213.5 hTRIG5 rate: 162.3 hTRIG6 rate: 119.1

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☒

Comments: Track Eff: 0.9970

Events 142k Charge 11.21 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.84 (μA)

Run Number: 3533 | I_{beam}: 30 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 04:03 Stop time (from RC): 04:13

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1780k hTRIG3 rate: 899.6 hTRIG4 rate: 595.4 hTRIG5 rate: 392.9 hTRIG6 rate: 269.0

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☒ coin_sparse_low ☐

Comments: Track Eff: 0.9976

Events 156k Charge 17.16 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 5.87 (μA)

Run Number: 3534 | I_{beam}: 30 μA

☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 04:21 Stop time (from RC): 04:36

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1900k hTRIG3 rate: 980.5 hTRIG4 rate: 519.0 hTRIG5 rate: 434.3 hTRIG6 rate: 237.9

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Dummy Track Eff: 0.9959

Events 212k Charge 21.66 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 10.16 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 11 (yy / mm / dd) Initials: EL

Kinematics: KinC_x 60-2'

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 GeV

Raster: ☒ On ☐ Off Size: 2x2

HMS p: +/- 3.8030 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS 28.77 θ(TV): [illegible] (Nearest 0.005)

NPS 12.47 θ = SHMS −16.30° [illegible] (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.707 mm (Nomin:)	0.3087 mm (Nomin:)
3H07C	0.7044 mm (Nomin:)	0.3088 mm (Nomin:)

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

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Run Number: 3535 | I_{beam}: 65 μA

☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 04:37 | Stop time (from RC): 04:52

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1110k | hTRIG3 rate: 556.6 | hTRIG4 rate: 289.7 | hTRIG5 rate: 153.6 | hTRIG6 rate: 96.1

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Track Eff: 0.9988

Events 91k | Charge 12.60 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 9.99 (μA)

Run Number: 3536 | I_{beam}: 20 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 05:01:57 | Stop time (from RC): 06:01

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2580k | hTRIG3 rate: 1670.6 | hTRIG4 rate: 964.4 | hTRIG5 rate: 1109.4 | hTRIG6 rate: 651.9

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: LD2 Track Eff: 0.9970 1/4

Events 1.9M | Charge 54.49 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 7.08 (μA)

Run Number: 3537 | I_{beam}: 20 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 06:02 | Stop time (from RC): 07:01

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2580 k | hTRIG3 rate: 1654 | hTRIG4 rate: 1015.7 | hTRIG5 rate: 1144.8 | hTRIG6 rate: 677.2

☐ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: TrackEff: 0.9974 2/4

Events 2.2M | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 7.25 (μA)

Run Number: 3538 | I_{beam}: 20 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

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

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

☐ Data ok ☒ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Cda wouldn't properly start reset.

Events ____ | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 11 (yy / mm / dd) Initials: EW

Kinematics: KinC_x 60_2'

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 6.455 GeV

Raster: ☒ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.701 mm (Nomin:)	0.309 mm (Nomin:)
3H07C	0.694 mm (Nomin:)	0.297 mm (Nomin:)

HMS: p: +3.8030 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS: θ(TV): 28.77 (Nearest 0.005)

NPS: θ = SHMS −16.30° 12.47 (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

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Run Number: 3539 | I_{beam}: 20 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 07:08 | Stop time (from RC): | Settings Verified? ☑ HV OK? ☑ 50k OK? ☑

hTRIG1 rate 2580k | hTRIG3 rate 1720.1 | hTRIG4 rate 947.6 | hTRIG5 rate 1115.1 | hTRIG6 rate 677.2 | ☐ Data ok ☐ Junk ?

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Track Eff: 0.9982 | killed Coda reset needed hpsOfferror

Events _____ Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 7.00 (μA)

Run Number: 3540 | I_{beam}: 20 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 07:34 | Stop time (from RC): 08:34 | Settings Verified? ☑ HV OK? ☑ 50k OK? ☑

hTRIG1 rate 2580k | hTRIG3 rate 1774.9 | hTRIG4 rate 1010.2 | hTRIG5 rate 1139.8 | hTRIG6 rate 672.8 | ☐ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Track Eff: 0.9965 3/4

Events 2306k Charge 67mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 7.11 (μA)

Run Number: 3541 | I_{beam}: 20 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 08:36 | Stop time (from RC): 09:36 | Settings Verified? ☑ HV OK? ☑ 50k OK? ☑

hTRIG1 rate 2.57e6 | hTRIG3 rate 1688.1 | hTRIG4 rate 1007.7 | hTRIG5 rate 1140.9 | hTRIG6 rate 665.7 | ☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Track Eff: 99.7% 4/4

Events 2247 Charge 65mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.975 | Max NPS anode current (single crystal) 7.14 (μA)

Run Number: 3542 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 09:39 | Stop time (from RC): 10:02 | Settings Verified? ☑ HV OK? ☑ 50k OK? ☑

hTRIG1 rate 1.91e6 | hTRIG3 rate 895.4 | hTRIG4 rate 536.9 | hTRIG5 rate 418.4 | hTRIG6 rate 243.6 | ☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Track Eff: 99.72%

Events 306k Charge 11mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.935 | Max NPS anode current (single crystal) 3.64 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 11 (yy / mm / dd) Initials: Hao

Kinematics: KinC_x 60-2'

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

HMS, field, current OK? yes ☐ no ☐

E_{beam}: 6.455 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/-3.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS θ(TV): 28.96 (Nearest 0.005)

NPS θ = SHMS −16.30° (Nearest 0.005)

Beam position and angle on target:

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

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

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Run Number: 3543 | I_{beam}: 5 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 10:06 | Stop time (from RC): 10:29

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.09e6 | hTRIG3 rate: 485.3 | hTRIG4 rate: 296.7 | hTRIG5 rate: 151.8 | hTRIG6 rate: 106.1

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: track eff. : 99.8%

Events 136k | Charge 6.8 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 3.60 (μA)

Run Number: 3544 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 10:33 | Stop time (from RC): 10:54

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.4e6 | hTRIG3 rate: 1294.1 | hTRIG4 rate: 793.9 | hTRIG5 rate: 754.5 | hTRIG6 rate: 446.6

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: track eff: 99.77%

Events 157.2k | Charge 19.8 mC | Active trigger LiveTime fraction (NPS Scaler Gui): N/A | Max NPS anode current (single crystal): 5.31 (μA)

Run Number: 3545 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

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

☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

☐ Data ok ☑ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☐

Comments: wrong ps value.

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

Run Number: 3546 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 10:59 | Stop time (from RC): 11:40

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.93e6 | hTRIG3 rate: 910.4 | hTRIG4 rate: 544.6 | hTRIG5 rate: 408.8 | hTRIG6 rate: 261.2

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: track eff: 99.71%

Events 125.6k | Charge 2.3 mC | Active trigger LiveTime fraction (NPS Scaler Gui): N/A | Max NPS anode current (single crystal): 3.94 (μA)

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

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

Use a separate sheet for each configuration.

Date: yy 23 mm 12 dd 11 Initials: Htao

Kinematics: KinC_x 60-2' → 60-2 (LD2)

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

HMS, field, current OK? yes ☐ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

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

HMS p: +(-)3.803 From GUI θ(TV): 22.92 Nearest 0.005

SHMS θ(TV): 28.76 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

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Run Number: 3547 | I_{beam}: 5 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 11:45 | Stop time (from RC): 12:09

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.75e6 | hTRIG3 rate: 479.5 | hTRIG4 rate: 302.1 | hTRIG5 rate: 215.1 | hTRIG6 rate: 140.2

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☑

Comments: track Eff = 99.72%

Events 182k Charge 6.6 mC

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

Max NPS anode current (single crystal): 3.42 (μA)

Run Number: 3548 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 12:15 | Stop time (from RC): 12:28

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.34e6 | hTRIG3 rate: 1365.9 | hTRIG4 rate: 977.9 | hTRIG5 rate: 720.2 | hTRIG6 rate: 444.9

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: track eff = 99.69%

Events 380k Charge 11 mC

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

Max NPS anode current (single crystal): 5.31 (μA)

KinC-x60_2, LD2 runs (we run LD2 first after changing the kinematics)

Run Number: 3549 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 12:44 | Stop time (from RC): 13:44

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.48e6 | hTRIG3 rate: 1345.2 | hTRIG4 rate: 742.4 | hTRIG5 rate: 422.9 | hTRIG6 rate: 281.2

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/4 of one hour runs, track eff: 99.79%

Events 873k Charge 46 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.946

Max NPS anode current (single crystal): 3.62 (μA)

Run Number: 3550 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 13:46 | Stop time (from RC): 14:46

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.46 e6 | hTRIG3 rate: 1295.0 | hTRIG4 rate: 750.0 | hTRIG5 rate: 427.0 | hTRIG6 rate: 266.9

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/4 of one hour runs track eff: 99.79%

Events 932k Charge 50mC

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

Max NPS anode current (single crystal): 3.54 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 11 (yy / mm / dd) Initials: Hao

Kinematics: KinC_x60-2

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 5.455 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

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

HMS: p: +0 3.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS: θ(TV): 32.87 (Nearest 0.005)

NPS: θ = SHMS −16.30° 32.98 (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

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Run Number: 3551 | I_{beam}: 20 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 14:47 | Stop time (from RC): 15:48

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.86e6 | hTRIG3 rate: 1680.4 | hTRIG4 rate: 1036.6 | hTRIG5 rate: 742.5 | hTRIG6 rate: 441.2

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/4 of one hour runs track eff = 99.57%

Events 1384k | Charge 62mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 4.01 (μA)

Run Number: 3552 | I_{beam}: 20 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 15:50 | Stop time (from RC): 16:55

☑ Settings Verified? ☑ HV OK? ☒ 50k OK?

hTRIG1 rate: 1.87 e6 | hTRIG3 rate: 1721.1 | hTRIG4 rate: 1000.6 | hTRIG5 rate: 759.6 | hTRIG6 rate: 457.8

☒ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4/4 of one hour runs track eff = 99.76%

Events 1.55M | Charge 69.7mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.97% | Max NPS anode current (single crystal): 3.62 (μA)

Run Number: 3553 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 16:57 | Stop time (from RC): 17:18

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate: 1.44M | hTRIG3 rate: 127 | hTRIG4 rate: 737 | hTRIG5 rate: 407 | hTRIG6 rate: 261

☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: 2.3.2 ESing Track Eff = 99.12%.

Events 302k | Charge 6.4mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 3.41 (μA)

Run Number: 3554 | I_{beam}: 10 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 17:20 | Stop time (from RC): 17:42

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate: 907K | hTRIG3 rate: 895 | hTRIG4 rate: 524 | hTRIG5 rate: 209 | hTRIG6 rate: 128

☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: 2.3.3 ESing End Trk Eff = 99.61%

Events 165k | Charge 11.1mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 3.32 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 11 (yy / mm / dd) Initials: GH

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 8.455 GeV

Raster: ☒ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.7 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.9 mm (Nomin:)	0.3 mm (Nomin:)

HMS

p: +3.8030 (From GUI) θ(TV): 22.93 (Nearest 0.005)

SHMS

θ(TV): 32.87 (Nearest 0.005)

NPS

θ = SHMS −16.30° = 16.57 (Nearest 0.005)

Collimator: HMS: Large ☒ Sieve ☐ | NPS Sweep Magnet I = 0 Amp | NPS Upstream Corr. I = 467 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3555 | I_{beam}: 20 μA | ☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 17:43 | Stop time (from RC): 18:04

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate: 1.85M | hTRIG3 rate: 1676 | hTRIG4 rate: 972 | hTRIG5 rate: 691 | hTRIG6 rate: 427 | ☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: 2.34 GeMBs E Sing Trk Eff = 99.61

Events 2.05M Charge 23.15 mC

Active trigger LiveTime fraction (NPS Scaler Gui):

Max NPS anode current (single crystal): 3.82 (μA)

Run Number: 3556 | I_{beam}: 10 μA | ☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 18:06 | Stop time (from RC): 18:47

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate: 934K | hTRIG3 rate: 895 | hTRIG4 rate: 539 | hTRIG5 rate: 213 | hTRIG6 rate: 134 | ☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: 2.35 Trk Eff = 99.81%

Events 1.15M Charge 21.4 mC

Active trigger LiveTime fraction (NPS Scaler Gui):

Max NPS anode current (single crystal): 3.63 (μA)

Run Number: 3557 | I_{beam}: 10 μA | ☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 18:50 | Stop time (from RC): 19:13

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate: 1.13M | hTRIG3 rate: 851 | hTRIG4 rate: 519 | hTRIG5 rate: 239 | hTRIG6 rate: 152 | ☒ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☒

Comments: 2.36 Trk = 99.82%.

Events 194K Charge 11.4 mC

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

Max NPS anode current (single crystal): 3.39 (μA)

Run Number: 3558 | I_{beam}: 20 μA | ☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 19:16 | Stop time (from RC): 19:26

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate: 1.85M | hTRIG3 rate: 1707 | hTRIG4 rate: 998 | hTRIG5 rate: 645 | hTRIG6 rate: 389 | ☒ Data ok ☐ Junk

coin_sparse ☐ coin ☒ coin_sparse_low ☐

Comments: 2.37 Trk = 99.78%

Events 199K Charge 10.0 mC

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

Max NPS anode current (single crystal): 3.49 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 11 (yy / mm / dd) Initials: GH

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 6.455 GeV

Raster: ☒ On ☐ Off Size: 2x2

Beam position and angle on target:

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

HMS

p: +(-) 3.8030 (From GUI) θ(~~TV~~ GUI): 22.920 (Nearest 0.005)

SHMS

θ(~~TV~~ GUI): 32.890 (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

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Run Number: 3559 | I_{beam}: 30 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 19:33 | Stop time (from RC): 20:33

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate: 876k | hTRIG3 rate: 887 | hTRIG4 rate: 593 | hTRIG5 rate: 209 | hTRIG6 rate: 155

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2.1.1 1/2. Trk = 99.52%.

Events 504k | Charge 90 mC

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

Max NPS anode current (single crystal): 3.44 (μA)

Run Number: 3560 | I_{beam}: 30 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 20:35 | Stop time (from RC): 21:38

☐ Settings Verified? ☒ HV OK? ☒ 50k OK?

hTRIG1 rate: 893k | hTRIG3 rate: 901 | hTRIG4 rate: 574 | hTRIG5 rate: 214 | hTRIG6 rate: 162

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2.1.1 2/2 Trk = 99.69%

Events 536k | Charge 98 mC

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

Max NPS anode current (single crystal): 3.55 (μA)

Run Number: 3561 | I_{beam}: 20 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 21:39 | Stop time (from RC): 22:00

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate: 569k | hTRIG3 rate: 620 | hTRIG4 rate: 406 | hTRIG5 rate: 123 | hTRIG6 rate: 99

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2.1.2. Trk = 99.68%

Events 114k | Charge 23 mC

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

Max NPS anode current (single crystal): 3.35 (μA)

Run Number: 3562 | I_{beam}: 10 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 22:01 | Stop time (from RC): 22:22

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate: 261k | hTRIG3 rate: 327 | hTRIG4 rate: 227 | hTRIG5 rate: 64 | hTRIG6 rate: 55

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2.1.3 Trk = 99.78%

Events 68k | Charge 12 mC

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

Max NPS anode current (single crystal): 3.43 (μA)

p(e,e'γ) p Run Sheet

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

Date: 23 12 11 (yy mm dd) **Initials:** GH

Use a separate sheet for each configuration.

Kinematics: KinC_x 60-2

Purpose: [x] Production [ ] Test [ ] Optics [ ] Other: ____

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 8.455 GeV

Raster: [x] On [ ] Off Size: 2+2

Beam position and angle on target:

	X	Y
3H07A	1.7 mm	0.3 mm
3H07C	0.9 mm	0.3 mm

HMS p: +(-) 3.8030 (From GUI) θ(TV): 22.920 (GUI) (Nearest 0.005)

SHMS θ(TV): 32.890 (GUI) (Nearest 0.005)

NPS θ = SHMS −16.30° (Nearest 0.005)

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

Run Number	3563	3564	3565	3566
I_{beam} (μA)	30	20	10	30
Target	[x] LH2 10cm	[x] LH2 10cm	[x] LH2 10cm	[x] LH2 10cm
PS1	-1	-1	-1	-1
PS2	-1	-1	-1	-1
PS3	0	-1	-1	-1
PS4	-1	0	-1	-1
PS5	-1	-1	-1	-1
PS6	-1	-1	0	0
Start time (from RC)	22:24	22:48	23:32	23:55
Stop time (from RC)	22:46	23:29	23:53	00:06
Settings Verified?	[ ]	[ ]	[ ]	[x]
HV OK?	[ ]	[ ]	[ ]	[x]
50k OK?	[x]	[x]	[x]	[ ]
hTRIG1 rate	916k	559k	1.54M	750k
hTRIG3 rate	923	623	347	909
hTRIG4 rate	599	420	250	590
hTRIG5 rate	222	118	168	192
hTRIG6 rate	157	89.	111	146
Data ok / Junk	[x] Data ok	[x] Data ok	[x] Data ok	[ ] Data ok [ ] Junk
Trigger	coin_sparse [x]	coin_sparse [x]	coin_sparse_low [x]	coin [x]
Comments	2.1.4 Trk=99.71% 20MB/s.	2.1.5 Trk=99.73 7.5MB/s.	2.1.6 4.0MB/s. Trk=99.77	2.1.7 Trk: 0.9980
Events	1.00M	1.00M	137k	961k
Charge	32 mC	48 mC	12 mC	17.77 mC
Active trigger LiveTime fraction (NPS Scaler Gui)	/	/	100%	100%
Max NPS anode current (single crystal) (μA)	3.10	3.09	3.35	3.24

p(e,e'γ) p Run Sheet

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

Date: 23/12/12 (yy/mm/dd) Initials: EW

Use a separate sheet for each configuration.

Kinematics: KinC_x 60-2

Purpose: [x] Production [ ] Test [ ] Optics [ ] Other: ____

HMS, field, current OK? yes [x] no [ ]

E_beam: 8.455 GeV

Raster: [x] On [ ] Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	0.7 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.7 mm (Nomin:)	0.3 mm (Nomin:)

HMS p: +3.8030 (From GUI) θ(Gui): 22.400 (Nearest 0.005)

SHMS 32.890 θ(Gui): [illegible] (Nearest 0.005)

NPS θ = SHMS −16.30° 16.59 (Nearest 0.005)

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

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Field	Run 1	Run 2	Run 3	Run 4
Run Number	3567	3568		
I_beam (μA)	30	15		
Target	Dummy 10cm [x]	Dummy 10cm [x]		
PS1	-1	-1		
PS2	-1	-1		
PS3	-1	-1		
PS4	-1	-1		
PS5	-1	-1		
PS6	0	0		
Start time (from RC)	00:20:[illegible]	00:42		
Stop time (from RC)	0:40 [illegible]	00:58		
Settings Verified?	[x]	[x]	[ ]	[ ]
HV OK?	[x]	[x]	[ ]	[ ]
50k OK?	[x]	[ ]	[ ]	[ ]
hTRIG1 rate	1030k	443k		
hTRIG3 rate	1096.8	565.4		
hTRIG4 rate	557.8	295.3		
hTRIG5 rate	264.0	98.9		
hTRIG6 rate	145.1	70.1		
Data ok	[x]	[ ]	[ ]	[ ]
Junk	[ ]	[ ]	[ ]	[ ]
Trigger	coin_sparse [x]	coin_sparse [x]		
Comments	Trk: 0.9981	TRK: 0.9477		
Events	164k	64k		
Charge (C)	30.32	13.57		
Active trigger LiveTime fraction (NPS Scaler Gui)	100	100		
Max NPS anode current (single crystal) (μA)	4.74	3.40		

Target options: LH2 10cm, LD2 10cm, Dummy 10cm, Optics#1 8cm, C 0.5% rl.l, ____

Trigger options: coin_sparse, coin, coin_sparse_low

p(e,e'γ) p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 12 (yy / mm / dd) Initials: EW

Kinematics: KinC_x 60-2'

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 8.459 GeV

Raster: ☒ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.7 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.2 mm (Nomin:)	0.3 mm (Nomin:)

HMS p: +θ 3.830 (From GUI) θ(TV): 22.920 (Nearest 0.005)

SHMS θ(TV): 28.770 (Nearest 0.005)

NPS θ = SHMS −16.30° 12.46 (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

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Run Number: 3569 | I_{beam}: 65 μA

☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 01:06 | Stop time (from RC): 01:23

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 710k | hTRIG3 rate 393.8 | hTRIG4 rate 220.2 | hTRIG5 rate 95.6 | hTRIG6 rate 70.7

☐ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Trk: 0.99 85

Events 100k | Charge 13.76 C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 5.41 (μA)

Run Number: 3570 | I_{beam}: 30 μA

☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 01:25 | Stop time (from RC): 01:40

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2060k | hTRIG3 rate 1128 | hTRIG4 rate 569.1 | hTRIG5 rate 531.9 | hTRIG6 rate 283.9

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Trk: 0.9978

Events 231k | Charge 24.14 C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 9.87 (μA)

Run Number: 3571 | I_{beam}: 20 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 01:49 | Stop time (from RC): 02:53

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2580k | hTRIG3 rate 1723.4 | hTRIG4 rate 1005.7 | hTRIG5 rate 1160.0 | hTRIG6 rate 680.5

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Trk: 0.9981

Events 2.3 M | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 7.68 (μA)

Run Number: 3572 | I_{beam}: 20 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 02:54 | Stop time (from RC): 03:55

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2570k | hTRIG3 rate 1716.1 | hTRIG4 rate 992.4 | hTRIG5 rate 1134.7 | hTRIG6 rate 693.4

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Trk: 9984

Events 2.3 M | Charge 68.46 C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 6.73 (μA)

p(e,e'γ) p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 12 (yy / mm / dd) Initials: EW

Kinematics: KinC_x 60-2'

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 8.455 GeV

Raster: ☒ On ☐ Off Size: 2x2

HMS p: +/- 3.8030 (From GUI) θ(TV): 22.920 (Nearest 0.005)

SHMS θ(TV): 28.760 (Nearest 0.005)

NPS θ = SHMS −16.30° = 12.46 (Nearest 0.005)

Beam position and angle on target:

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

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

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Run Number: 3573 | I_{beam}: 20 μA

LH2 10cm ☐ | LD2 10cm ☒ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl.l ☐

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

Start time (from RC): 03:56 Stop time (from RC): 04:56

Settings Verified? ☑ HV OK? ☑ 50k OK? ☑

hTRIG1 rate: 2570 k | hTRIG3 rate: 1779.5 | hTRIG4 rate: 1009.0

hTRIG5 rate: 1113.0 | hTRIG6 rate: 666.5

Data ok ☐ Junk ☐

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Trk: 0.9977

Events 2.3M Charge 66.93 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 6.80 (μA)

Run Number: 3574 | I_{beam}: 20 μA

LH2 10cm ☐ | LD2 10cm ☒ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl.l ☐

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

Start time (from RC): 04:57 Stop time (from RC): 05:57

Settings Verified? ☑ HV OK? ☑ 50k OK? ☐

hTRIG1 rate: 2570k | hTRIG3 rate: same | hTRIG4 rate: same

hTRIG5 rate: same | hTRIG6 rate: same

Data ok ☑ Junk ☐

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Trk: 0.9974

Events 2.26M Charge 67.76 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

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

Run Number: 3575 | I_{beam}: 15 μA

LH2 10cm ☐ | LD2 10cm ☒ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl.l ☐

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

Start time (from RC): 05:59 Stop time (from RC): 06:25

Settings Verified? ☑ HV OK? ☑ 50k OK? ☑

hTRIG1 rate: 2350 k | hTRIG3 rate: 1286.5 | hTRIG4 rate: 750.2

hTRIG5 rate: 721.5 | hTRIG6 rate: 432.4

Data ok ☑ Junk ☐

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Trk: 0.9974

Events 480k Charge 15.53 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 5.03 (μA)

Run Number: 3576 | I_{beam}: 10 μA

LH2 10cm ☐ | LD2 10cm ☒ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl.l ☐

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

Start time (from RC): 06:26 Stop time (from RC): 06:46

Settings Verified? ☑ HV OK? ☑ 50k OK? ☑

hTRIG1 rate: 1860 k | hTRIG3 rate: 859.9 | hTRIG4 rate: 516.2

hTRIG5 rate: 373.8 | hTRIG6 rate: 226.9

Data ok ☐ Junk ☐

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Trk: 0.9968

Events 224k Charge 11.29 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.75 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 12 (yy / mm / dd) Initials: KW

Kinematics: KinC_x 60-2'

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 8.454 GeV

Raster: ☒ On ☐ Off Size: 2x2

Beam position and angle on target:

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

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

HMS

p: +~~θ~~ 3.8030 From GUI θ(~~TV~~ Gui): 22.920 Nearest 0.005

SHMS

θ(~~TV~~ Gui): 25.760 Nearest 0.005

NPS

θ = SHMS −16.30°: 12.46 Nearest 0.005

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

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Run Number: 3577 | I_{beam}: 20 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 06:48 | Stop time (from RC): 07:07

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 2550k | hTRIG3 rate: 1666.7 | hTRIG4 rate: 980.0 | hTRIG5 rate: 1069.0 | hTRIG6 rate: 642.7 | ☐ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Trk: 0.9477

Events 1.9M Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui): N/A ✓ | Max NPS anode current (single crystal): 6.89 (μA)

Run Number: 3578 | I_{beam}: 10 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 07:08 | Stop time (from RC): 07:48

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1830k | hTRIG3 rate: 861.3 | hTRIG4 rate: 517.6 | hTRIG5 rate: 373.0 | hTRIG6 rate: 237.4 | ☐ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Trk: 0.9477

Events 1.18M Charge 22.13 mC | Active trigger LiveTime fraction (NPS Scaler Gui): ✓ | Max NPS anode current (single crystal): 3.28 (μA)

Run Number: 3579 | I_{beam}: 10 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 07:51 | Stop time (from RC): 08:12

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1360k | hTRIG3 rate: 850.3 | hTRIG4 rate: 518.2 | hTRIG5 rate: 282.9 | hTRIG6 rate: 181.8 | ☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☒ coin_sparse_low

Comments: ~~track eff: 99%~~ track eff: 99.66 %

Events 233k Charge 12 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 3.39 (μA)

Run Number: 3580 | I_{beam}: 20 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 8:16 | Stop time (from RC): 08:32

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.51e6 | hTRIG3 rate: 1677.9 | hTRIG4 rate: 986.3 | hTRIG5 rate: 1078.0 | hTRIG6 rate: 638.3 | ☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: track eff: 99.91 %

Events 507k Charge 15 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.974 | Max NPS anode current (single crystal): 7.02 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 12 (yy / mm / dd) Initials: Hao

Kinematics: KinC_x 60-2'

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

HMS, field, current OK? yes ☐ no ☐

E_{beam}: 8.459 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

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

HMS: p: +3.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS: θ(TV): 28.76 (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

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Run Number: 3581 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 8:44 | Stop time (from RC): 09:44

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.75e6 | hTRIG3 rate: 885.8 | hTRIG4 rate: 607.6 | hTRIG5 rate: 358.6 | hTRIG6 rate: 240.3

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: track Eff: 99.73%

Events 850k | Charge 95mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 5.44 (μA)

Run Number: 3582 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 9:45 | Stop time (from RC): 9:53

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.76e6 | hTRIG3 rate: 879.4 | hTRIG4 rate: 586.2 | hTRIG5 rate: 367.1 | hTRIG6 rate: 264.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: track Eff: 99.73%

Events 109k | Charge 13mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 103.35 (μA)

Run Number: 3583 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 9:55 | Stop time (from RC): 10:50

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.75e6 | hTRIG3 rate: 856.3 | hTRIG4 rate: 585.1 | hTRIG5 rate: 363.1 | hTRIG6 rate: 254.9

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: track eff: 99.76%

Events 790k | Charge 87mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 103.93 (μA)

Run Number: 3584 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 10:52 | Stop time (from RC): 11:15

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.2e6 | hTRIG3 rate: 592.6 | hTRIG4 rate: 387.6 | hTRIG5 rate: 186.5 | hTRIG6 rate: 141.1

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: track eff: 99.56%

Events 183 | Charge 25mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 103.09 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 12 (yy / mm / dd) Initials: HQO

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☐ no ☐

E_{beam}: 8.453 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

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

HMS p: +3.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS θ(TV): 32.865 (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

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Run Number: 3585 | I_{beam}: 10 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 11:21 | Stop time (from RC): 11:37

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 5.97 ef | hTRIG3 rate 325.3 | hTRIG4 rate 222.4 | hTRIG5 rate 81.9 | hTRIG6 rate 66.4

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: track eff 99.49%

Events 65k | Charge 9 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 103.21 (μA)

Run Number: ~~3586~~ | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 11:50 | Stop time (from RC): 12:52

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 7.9 ef | hTRIG3 rate 909.4 | hTRIG4 rate 572.2 | hTRIG5 rate 196 ef | hTRIG6 rate 141.1

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: track eff 99.74% 1/2 one hour runs

Events 492k | Charge 97 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 103.39 (μA)

Run Number: 3589 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 15:04 | Stop time (from RC): 16:04

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 7.99 ef | hTRIG3 rate 855.0 | hTRIG4 rate 585.9 | hTRIG5 rate 208.5 | hTRIG6 rate 135.3

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: track eff: 99.74% 2/2 one hour runs

Events 492k | Charge 96 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 102.73 (μA)

Run Number: 3590 | I_{beam}: 20 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 16:07 | Stop time (from RC): 16:29

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate 194K | hTRIG3 rate 599 | hTRIG4 rate 406 | hTRIG5 rate 109 | hTRIG6 rate 88.6

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1.1.2 T+K=99.57

Events 111k | Charge 2 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 2 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23/12/12 (yy/mm/dd) Initials: GH

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 3.45 GeV

Raster: ☑ On ☐ Off Size: 2×2 mm

HMS
p: +/- −3.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS
θ(TV): 32.86 (Nearest 0.005)

NPS
θ = SHMS −16.30° = 16.56 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.69 mm (Nomin:)	0.31 mm (Nomin:)
3H07C	0.70 mm (Nomin:)	0.30 mm (Nomin:)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 467 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3591 | I_{beam}: 10 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 16:29 | Stop time (from RC): 16:49

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate: 229k | hTRIG3 rate: 330 | hTRIG4 rate: 222 | hTRIG5 rate: 63 | hTRIG6 rate: 55.7

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1.1.3 T_{trk}=99.62

Events 64k | Charge 10 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 1 (μA)

Run Number: 3592 | I_{beam}: 20 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 16:51 | Stop time (from RC): 17:37

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate: 516k | hTRIG3 rate: 581 | hTRIG4 rate: 385 | hTRIG5 rate: 114 | hTRIG6 rate: 88

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1.1.4 T_{trk}=99.64

Events 941k | Charge 44 mC

Active trigger LiveTime fraction (NPS Scaler Gui): /

Max NPS anode current (single crystal): 2 (μA)

Run Number: 3593 | I_{beam}: 30 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 17:40 | Stop time (from RC): 17:50

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate: 700k | hTRIG3 rate: 870 | hTRIG4 rate: 575 | hTRIG5 rate: 169 | hTRIG6 rate: 123

☒ Data ok ☐ Junk

☐ coin_sparse ☒ coin ☐ coin_sparse_low

Comments: COIN. 1.1.5 T_{trk}=99.65 33MB/s.

Events 72k | Charge 15 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.905%

Max NPS anode current (single crystal): 3 (μA)

Run Number: 3594 | I_{beam}: 30 μA

☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 17:58 | Stop time (from RC): 18:14

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate: 965k | hTRIG3 rate: 1101 | hTRIG4 rate: 573 | hTRIG5 rate: 257 | hTRIG6 rate: 157

☒ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1.2.1 T_{trk}=99.71

Events 128k | Charge ____ mC

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

Max NPS anode current (single crystal): 4 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 12 (yy / mm / dd) Initials: GH

Kinematics: KinC_x 60_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.453 GeV

Raster: ☑ On ☐ Off Size: 2×2 mm

Beam position and angle on target:

	X	Y
3H07A	1.64 mm (Nomin:)	0.30 mm (Nomin:)
3H07C	0.70 mm (Nomin:)	0.29 mm (Nomin:)

HMS

p: +~~6~~ 3.803 (From GUI) θ(TV): 22.920 (Nearest 0.005)

SHMS

θ(TV): 32.860 (Nearest 0.005)

NPS

θ = SHMS −16.30° 16.56 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 467 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3595 | I_{beam}: 15 μA

☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 18:15 Stop time (from RC): 18:31

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate 411k | hTRIG3 rate 561 | hTRIG4 rate 298 | hTRIG5 rate 88 | hTRIG6 rate 63

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1.2.2 Trk = 99.60%

Events 60k Charge 11 mC

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

Max NPS anode current (single crystal): 2 (μA)

Run Number: 3596 | I_{beam}: 20 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 18:41 Stop time (from RC): 19:41

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate 1.81M | hTRIG3 rate 1674 | hTRIG4 rate 1008 | hTRIG5 rate 689 | hTRIG6 rate 403

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1.3.1 #1/4 Trk = 99.69%

Events 1.4M Charge 66 mC

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

Max NPS anode current (single crystal): 4 (μA)

Run Number: 3597 | I_{beam}: 28 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 19:43 Stop time (from RC): 20:43

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate 1.78M | hTRIG3 rate 1692 | hTRIG4 rate 1010 | hTRIG5 rate 682 | hTRIG6 rate 425

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #2/4 Trk = 99.47

Events 1.4M Charge 68 mC

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

Max NPS anode current (single crystal): 4 (μA)

Run Number: 3598 | I_{beam}: 20 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 20:44 Stop time (from RC): 21:45

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate 1.78M | hTRIG3 rate 1743 | hTRIG4 rate 1025 | hTRIG5 rate 675 | hTRIG6 rate 423

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #3/4 Trk = 9961

Events 1.4M Charge 67 mC

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

Max NPS anode current (single crystal): 3 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 12 (yy / mm / dd) Initials: GH

Kinematics: KinC_x 60_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.453 GeV

Raster: ☑ On ☐ Off Size: 2x2mm

Beam position and angle on target:

3H07A X	3H07A Y
1.70 mm Nomin:	0.30 mm Nomin:
3H07C X	**3H07C Y**
0.69 mm Nomin:	0.29 mm Nomin:

HMS: p: +/- −3.803 (From GUI) θ(TV): 22.920 (Nearest 0.005)

SHMS: θ(TV): 32.860 (Nearest 0.005)

NPS: θ = SHMS −16.30° = 16.56 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 467 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3599 | I_{beam}: 20 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 21:46 | Stop time (from RC): 22:47

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate 1.76M | hTRIG3 rate 1684 | hTRIG4 rate 982 | hTRIG5 rate 660 | hTRIG6 rate 408

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1.3.1 #4/4 Trk=99.62

Events 1.4M | Charge 69 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.958 %

Max NPS anode current (single crystal): 3 (μA)

Run Number: 3600 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 22:48 | Stop time (from RC): 23:09

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate 1.36M | hTRIG3 rate 1279 | hTRIG4 rate 760 | hTRIG5 rate 418 | hTRIG6 rate 255

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1.3.2 Trk=99.72

Events 303K | Charge 18 mC

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

Max NPS anode current (single crystal): 3 (μA)

Run Number: 3601 | I_{beam}: 10 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 23:10 | Stop time (from RC): 23:31

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate 884K | hTRIG3 rate 884 | hTRIG4 rate 503 | hTRIG5 rate 192 | hTRIG6 rate 141

☑ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1.3.3 Trk=99.84

Events 161K | Charge 11 mC

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

Max NPS anode current (single crystal): 3 (μA)

Run Number: 3602 | I_{beam}: 10 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 23:32 | Stop time (from RC): 00:13

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate 871K | hTRIG3 rate 863 | hTRIG4 rate 519 | hTRIG5 rate 199 | hTRIG6 rate 133

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1.3.4 Trk=99.51

Events _____ | Charge 7.94 mC

Active trigger LiveTime fraction (NPS Scaler Gui): _____

Max NPS anode current (single crystal): 2 (μA)

p(e,e'γ) p Run Sheet

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

Date: 2023 / 12 / 13 (yy / mm / dd) Initials: T.S

Use a separate sheet for each configuration.

Kinematics: KinC_x60_2

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: ______

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 8.453 GeV

Raster: [x] On [ ] Off Size: 2X2 mm

Beam position and angle on target:

3H07A X	Y
1.697 mm	0.293 mm
Nomin:	Nomin:

3H07C X	Y
+0.071 mm	0.3 mm
Nomin:	Nomin:

HMS p: -3.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS θ(TV): 32.88 (Nearest 0.005)

NPS θ = SHMS −16.30°: 16.58 (Nearest 0.005)

Collimator: HMS: Large [x] Sieve [ ] | *NPS Sweep Magnet* I = 468 Amp | *NPS Upstream Corr.* I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3603

I_{beam}: 20 μA

- [ ] LH2 10cm
- [x] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ] ______

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

Start time (from RC): 00:15
Stop time (from RC): 00:24

- [x] Settings Verified?
- [x] HV OK?
- [x] 50k OK?

hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
1.55M	1011.4	962.8

hTRIG5 rate	hTRIG6 rate	
668.6	306.1	[x] Data ok [ ] Junk

- [ ] *coin_sparse*
- [x] *coin*
- [ ] *coin_sparse_low*

Comments:

Events 176K
Charge 9.41 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9

Max NPS anode current (single crystal) (μA): [illegible]

Run Number: ~~3604~~

I_{beam}: ______ μA

- [x] LH2 10cm
- [ ] ~~LD2 10cm~~
- [ ] ~~Dummy 10cm~~
- [ ] ~~Optics#1 8cm~~
- [ ] ~~C 0.5% rl.l~~
- [ ] ______

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

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

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

hTRIG1 rate	hTRIG3 rate	hTRIG4 rate

hTRIG5 rate	hTRIG6 rate	
		[ ] Data ok [ ] Junk

- [ ] *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:

I_{beam}: ______ μA

- [ ] LH2 10cm
- [ ] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.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) (μA)

Run Number:

I_{beam}: ______ μA

- [ ] LH2 10cm
- [ ] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.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) (μA)

p(e,e'γ) p Run Sheet

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

Date: 2023 / 12 / 13 (yy / mm / dd) Initials: T-S

Use a separate sheet for each configuration.

Kinematics: KinC_x 60_2'

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: ______

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.453 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

	X	Y
3H07A	1.698 mm (Nomin:)	0.302 mm (Nomin:)
3H07C	6.67 mm (Nomin:)	0.294 mm (Nomin:)

HMS p: (-) 3.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS θ(TV): 28.76 (Nearest 0.005)

NPS θ = SHMS −16.30° 12.46 (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	Target	PS	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
3604, I_{beam}: 30 μA	☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	00:34	01:09	☑	☑	☑	1.74M	885.5	604.9	384.9	261.8	☑ Data ok ☐ Junk
3605, I_{beam}: 30 μA	☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	01:12	02:13	☑	☑	☑	1.78M	885.5	586	390.3	251.7	☑ Data ok ☐ Junk
3606, I_{beam}: 30 μA	☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	02:14	03:14	☑	☑	☑	1.7M	871.8	590.9	363.6	263.2	☑ Data ok ☐ Junk
3607, I_{beam}: 20 μA	☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	03:16	03:36	☑	☑	☑	1.19M	614.7	407.8	187	135.1	☑ Data ok ☐ Junk

Run Number	Trigger	Comments	Events	Charge	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)
3604	☑ coin_sparse ☐ coin ☐ coin_sparse_low		456k	50.66 mC	99.98	5
3605	☑ coin_sparse ☐ coin ☐ coin_sparse_low		829k	84.15 mC	99.97%	5
3606	☑ coin_sparse ☐ coin ☐ coin_sparse_low		890k	103.27 mC	99.33%	5
3607	☑ coin_sparse ☐ coin ☐ coin_sparse_low		158k	21.34 mC	99.97%	4

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 13 (yy / mm / dd) Initials: T.S

Kinematics: KinC_x 60_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.453 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

3H07A X	3H07A Y
1.104 mm Nomin:	0.361 mm Nomin:
3H07C X	**3H07C Y**
0.697 mm Nomin:	0.309 mm Nomin:

HMS
p: +/- 5.803 From GUI θ(TV): 22.92 Nearest 0.005

SHMS
θ(TV): 28.96 Nearest 0.005

NPS
θ = SHMS −16.30° = 12.46 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

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Run Number: 3608 | I_{beam}: 10 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 03:38 | Stop time (from RC): 03:57

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 585 K | hTRIG3 rate 321.1 | hTRIG4 rate 226.7 | hTRIG5 rate 81.7 | hTRIG6 rate 67.4

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 94 K | Charge 10.7 mC

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

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

Run Number: 3609 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 03:58 | Stop time (from RC): 04:38

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.19 M | hTRIG3 rate 595.2 | hTRIG4 rate 401.6 | hTRIG5 rate 196.2 | hTRIG6 rate 131.7

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 928 K | 43.85 mC | Charge ____ C

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

Max NPS anode current (single crystal): 3 (μA)

Run Number: 3610 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 04:41 | Stop time (from RC): 04:51

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.58M | hTRIG3 rate 880.5 | hTRIG4 rate 583.1 | hTRIG5 rate 330.4 | hTRIG6 rate 231

☑ Data ok ☐ Junk

coin_sparse ☐ *coin* ☑ *coin_sparse_low* ☐

Comments:

Events 122 K | 15.49 mC | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9%

Max NPS anode current (single crystal): 5 (μA)

Run Number: 3611 | I_{beam}: 30 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 04:57 | Stop time (from RC): 05:15

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 1.93M | hTRIG3 rate 1094 | hTRIG4 rate 576.3 | hTRIG5 rate 485.5 | hTRIG6 rate 258.3

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 252 K | 27.98 mC | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.98%

Max NPS anode current (single crystal): 6 (μA)

p(e,e'γ) p Run Sheet

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

Use a separate sheet for each configuration.

Date: 2023 / 12 / 13 (yy / mm / dd) Initials: T.S

Kinematics: KinC_x 60_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.453 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 mm

Beam position and angle on target:

	X	Y
3H07A	1.108 mm (Nomin:)	0.31 mm (Nomin:)
3H07C	0.67 mm (Nomin:)	0.31 mm (Nomin:)

HMS p: +(-) 3.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS θ(TV): 28.76 (Nearest 0.005)

NPS θ = SHMS −16.30° 12.46 (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

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Run Number: 3612 | I_{beam}: 15 μA | ☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 05:19 | Stop time (from RC): 05:34

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 9a6k | hTRIG3 rate 575.8 | hTRIG4 rate 309.4 | hTRIG5 rate 141.8 | hTRIG6 rate 99.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 91k | Charge 133 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.99 %

Max NPS anode current (single crystal): 3 (μA)

Run Number: 3613 | I_{beam}: 15 μA | ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 05:43 | Stop time (from RC): 06:43

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.31M | hTRIG3 rate 1257.2 | hTRIG4 rate 733.7 | hTRIG5 rate 692.1 | hTRIG6 rate 415.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1 hour

Events 1305M | Charge 44.48 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.99 %

Max NPS anode current (single crystal): 3 (μA)

Run Number: 3614 | I_{beam}: 15 μA | ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 06:45 | Stop time (from RC): 07:44

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.30M | hTRIG3 rate 1323.5 | hTRIG4 rate 764.5 | hTRIG5 rate 678.3 | hTRIG6 rate 423.6

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1 hour

Events 1392M | Charge 48.02 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.99 %

Max NPS anode current (single crystal): 3 (μA)

Run Number: 3615 | I_{beam}: 15 μA | ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 07:45 | Stop time (from RC): 08:30

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.28M | hTRIG3 rate 1282.4 | hTRIG4 rate 736.4 | hTRIG5 rate 690.1 | hTRIG6 rate 410

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 45 min of 60 min

Events 1044622 | Charge 36.68 C

Active trigger LiveTime fraction (NPS Scaler Gui):

Max NPS anode current (single crystal): 3 (μA)

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

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

Use a separate sheet for each configuration.

Date: 13/12/13 (yy/mm/dd) Initials: YZ

Kinematics: KinC_x 60-21

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.458 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

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

HMS	SHMS	NPS
p: +Ø 3.8030 (From GUI) θ(TV): 22.920 (Nearest 0.005)	θ(TV): 28.760 (Nearest 0.005)	θ = SHMS −16.30° 12.460 (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

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Run Number: 3616 | I_{beam}: 15 μA

LH2 10cm ☐ | LD2 10cm ☑ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl.l ☐

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

Start time (from RC): 13:52:35 | Stop time (from RC): 15:07:53

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate: 2.31e6 | hTRIG3 rate: 1276 | hTRIG4 rate: 743 | hTRIG5 rate: 696 | hTRIG6 rate: 404

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 75 min

Events 1663917 | Charge 36.68m C

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

Max NPS anode current (single crystal): 2.98 (μA)

Run Number: 3617 | I_{beam}: 10 μA

LH2 10cm ☐ | LD2 10cm ☑ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl.l ☐

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

Start time (from RC): 15:10:41 | Stop time (from RC): 15:31:04

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate: 1.77e6 | hTRIG3 rate: 843 | hTRIG4 rate: 497 | hTRIG5 rate: 345 | hTRIG6 rate: 212

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 20 min

Events 266888 | Charge ? C

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

Max NPS anode current (single crystal): 2.45 (μA)

Run Number: 3618 | I_{beam}: 7 μA

LH2 10cm ☐ | LD2 10cm ☑ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl.l ☐

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

Start time (from RC): 15:34:11 | Stop time (from RC): 15:55:46

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate: 1.3e6 | hTRIG3 rate: 611 | hTRIG4 rate: 361 | hTRIG5 rate: 208 | hTRIG6 rate: 140

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 20 min

Events 166841 | Charge ? C

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

Max NPS anode current (single crystal): 2.1 (μA)

Run Number: 3619 | I_{beam}: 10 μA

LH2 10cm ☐ | LD2 10cm ☑ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl.l ☐

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

Start time (from RC): 15:58:08 | Stop time (from RC): 16:35

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate: 1.82e6 | hTRIG3 rate: 878 | hTRIG4 rate: 520 | hTRIG5 rate: 384 | hTRIG6 rate: 230

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 40 min

Events 1,040,536 | Charge 19.43m C

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

Max NPS anode current (single crystal): 2.2 (μA)

p(e,e'γ) p Run Sheet

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

Date: 23 / 12 / 13 (yy / mm / dd)   Initials: JOH

Use a separate sheet for each configuration.

Kinematics: KinC_x 60 -2'

Purpose:
- ☑ Production
- ☐ Test
- ☐ Optics
- ☐ Other: ______

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.458 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 — p: +(-) 3.803 (From GUI)   θ(TV): 22.920 (Nearest 0.005)

SHMS — θ(TV): 28.760 (Nearest 0.005)

NPS — θ = SHMS −16.30°   12.460 (Nearest 0.005)

Collimator:	HMS: Large ☑ Sieve ☐	NPS Sweep Magnet I = ~465 Amp	NPS Upstream Corr. I = 0 Amp	NPS Upstream Corr. I = 0 Amp

Run 1

Run Number:	3620
I_{beam}:	15 μA
Target	☐ LH2 10cm, ☑ LD2 10cm, ☐ Dummy 10cm, ☐ Optics#1 8cm, ☐ C 0.5% rl.l, ☐ ______
PS1	-1
PS2	-1
PS3	-1
PS4	-1
PS5	-1
PS6	0
Start time (from RC):	16:47:51
Stop time (from RC):	16:59:00
Settings Verified?	☑
HV OK?	☑
50k OK?	☑
hTRIG1 rate	2.17e6
hTRIG3 rate	1247
hTRIG4 rate	752
hTRIG5 rate	639
hTRIG6 rate	390
Data ok / Junk	☑ Data ok ☐ Junk
Trigger	☐ coin_sparse ☑ coin ☐ coin_sparse_low
Comments:	10 min
Events	217.8k
Charge	8 mC
Active trigger LiveTime fraction (NPS Scaler Gui)	100 %
Max NPS anode current (single crystal)	111.12 (μA) ?

Run 2

Run Number: ______ I_{beam}: ______ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.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) (μA)

Run 3

Run Number: ______ I_{beam}: ______ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.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) (μA)

Run 4

Run Number: ______ I_{beam}: ______ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.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) (μA)

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 13 (yy / mm / dd) Initials: JOH

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.458 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS: p: +0 3.803 (From GUI) θ(TV): 22.52 (Nearest 0.005)

SHMS: θ(TV): 32.870 (Nearest 0.005)

NPS: θ = SHMS −16.30° 16.57 (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y
1.67 mm Nomin:	0.32 mm Nomin:
3H07C X	**3H07C Y**
−0.71 mm Nomin:	0.28 mm Nomin:

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 464 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

---

Run Number: 3621 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 17:18:47 | Stop time (from RC): 18:18:25

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 7.8e5 | hTRIG3 rate: 860 | hTRIG4 rate: 585 | hTRIG5 rate: 176 | hTRIG6 rate: 133

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 60 min

Events 445k Charge 89 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 1.94 (μA)

Run Number: 3622 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 18:20:21 | Stop time (from RC): 19:20:12

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 765k | hTRIG3 rate: 876 | hTRIG4 rate: 609 | hTRIG5 rate: 185 | hTRIG6 rate: 143

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 60 min

Events 462k Charge 94 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 2.32 (μA)

Run Number: 3623 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 19:22:40 | Stop time (from RC): 19:43:27

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 428k | hTRIG3 rate: 603 | hTRIG4 rate: 398 | hTRIG5 rate: ~~73~~ 108 | hTRIG6 rate: ~~61~~ 84

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 20 min

Events 100k Charge 21 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 2.00 (μA)

Run Number: 3624 | I_{beam}: 10 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 19:45:47 | Stop time (from RC): 20:06:21

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 214k | hTRIG3 rate: 323 | hTRIG4 rate: 223 | hTRIG5 rate: 69 | hTRIG6 rate: 55

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 20 min

Events 65k Charge 11 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 0.98 (μA)

p(e,e'γ) p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23/12/13 (yy/mm/dd) Initials: JoH

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.458 GeV

Raster: ☑ On ☐ Off Size: 2 x 2

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.68 mm	0.31 mm	0.64 mm	0.30 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS p: +(-) 3.803 (From GUI) θ(TV): 22.52 (Nearest 0.005)

SHMS θ(TV): 32.870 (Nearest 0.005)

NPS θ = SHMS −16.30° 16.57 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 461 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

---

Run Number: 3625 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 20:09:56 | Stop time (from RC): 20:50:33

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 487k | hTRIG3 rate 584 | hTRIG4 rate 405 | hTRIG5 rate 110 | hTRIG6 rate 86

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 40 min

Events 961k Charge 46 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100 %

Max NPS anode current (single crystal) 1.95 (μA)

Run Number: 3626 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 20:53:56 | Stop time (from RC): 21:0

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 671k | hTRIG3 rate 865 | hTRIG4 rate 568 | hTRIG5 rate 165 | hTRIG6 rate 123

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: 10 min Coin - no sparse

Events 64k Charge 14 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100 %

Max NPS anode current (single crystal) 111.4 (μA)

Run Number: 3627 | I_{beam}: 30 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 21:14:35 | Stop time (from RC): 21:30:26

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 915k | hTRIG3 rate 1090 | hTRIG4 rate 575 | hTRIG5 rate 247 | hTRIG6 rate 147

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 15 min

Events 111k Charge 21 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100 %

Max NPS anode current (single crystal) (μA)

Run Number: 3628 | I_{beam}: 15 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 21:32:37 | Stop time (from RC):

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 392k | hTRIG3 rate 568 | hTRIG4 rate 304 | hTRIG5 rate 92 | hTRIG6 rate 62

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 15 min

Events 70k Charge 15 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100 %

Max NPS anode current (single crystal) 1.75 (μA)

p(e,e'γ) p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23/12/13 (yy/mm/dd) Initials: JOH

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.458 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	3H07A Y	3H07C X	3H07C Y
1.7 mm	0.28 mm	0.7 mm	0.32 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS: p: +θ 3.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS: θ(TV): 32.870 (Nearest 0.005)

NPS: θ = SHMS −16.30° 16.57 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 462 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3629 | I_{beam}: 20 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 22:03:44 | Stop time (from RC): 23:04

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.74M | hTRIG3 rate 1656 | hTRIG4 rate 982 | hTRIG5 rate 646 | hTRIG6 rate 382

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1 hr

Events 1.3M | Charge 63 mC

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

Max NPS anode current (single crystal): 2.56 (μA)

Run Number: 3630 | I_{beam}: 20 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 23:05:41 | Stop time (from RC): 00:06:26

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.74M | hTRIG3 rate 1731 | hTRIG4 rate 986 | hTRIG5 rate 656 | hTRIG6 rate 404

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1 hr

Events 1.3M | Charge 63 mC

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

Max NPS anode current (single crystal): 2.61 (μA)

Run Number: 3631 | I_{beam}: 20 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 00:07:54 | Stop time (from RC): 01:08

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.74M | hTRIG3 rate 1685 | hTRIG4 rate 1019 | hTRIG5 rate 654 | hTRIG6 rate 398

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1hr, HMS tracking eff = 99.6%

Events 1.3M | Charge 63 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100.0%

Max NPS anode current (single crystal): 2.15 (μA)

Run Number: 3632 | I_{beam}: 20 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 01:10:03 | Stop time (from RC): 02:09:22

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.7M | hTRIG3 rate 1662 | hTRIG4 rate 999 | hTRIG5 rate 667 | hTRIG6 rate 409

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1hr HMS tracking eff = 99.5%

Events 1.2M | Charge 57 mC

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

Max NPS anode current (single crystal): 2.57 (μA)

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

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

Use a separate sheet for each configuration.

Date: 23/12/14 (yy/mm/dd) Initials: DD

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 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

p: +8.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS

θ(TV): 32.87 (Nearest 0.005)

NPS

θ = SHMS −16.30° (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 462 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3633 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 02:11 | Stop time (from RC): 02:35

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.28M | hTRIG3 rate 1262 | hTRIG4 rate 750 | hTRIG5 rate 389 | hTRIG6 rate 240

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 20 min 15μA setting 3.2 HMS track eff = 99.63%

Events 323K | Charge 19.2 mC

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

Max NPS anode current (single crystal): 2.27 (μA)

Run Number: 3634 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 02:36 | Stop time (from RC): 02:58

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 834 k | hTRIG3 rate 870 | hTRIG4 rate 531 | hTRIG5 rate 204 | hTRIG6 rate 136

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 20 min @ 10 μA setting 3.3 HMS tracking eff = 99.5%

Events 167K | Charge 12.4 mC

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

Max NPS anode current (single crystal): 1.70 (μA)

Run Number: 3635 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 03:01 | Stop time (from RC): 03:42

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 842K | hTRIG3 rate 841 | hTRIG4 rate 524 | hTRIG5 rate 208 | hTRIG6 rate 135

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 40 min @ 10 μA setting 1.34 HMS tracking eff = 99.63%

Events 1.2M | Charge 23.8 mC

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

Max NPS anode current (single crystal): 1.94 (μA)

Run Number: 3636 | I_{beam}: 20 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 03:45 | Stop time (from RC): 03:46

☑ 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: 10 min @ 20 μA ~~coin~~ HMS tracking eff

Events _____ | Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui):

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

PS factors not changed.

p(e,e'γ) p Run Sheet

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

Date: ___/___/___ (yy mm dd)   Initials: _____

Use a separate sheet for each configuration.

Kinematics: KinC_x 60-2

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: ________

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 9.45 GeV

Raster: [x] On [ ] Off Size: 2x2

Beam position and angle on target:

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

HMS p: + (-) 3.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS θ(TV): 32.87 (Nearest 0.005)

NPS θ = SHMS −16.30° ______ (Nearest 0.005)

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

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Run Number: 3637

I_{beam}: 20 μA

- [ ] LH2 10cm
- [x] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ] ______

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

Start time (from RC): 03:47
Stop time (from RC): 03:59

- [x] Settings Verified?
- [x] HV OK?
- [x] 50k OK?

hTRIG1 rate: 1.4M
hTRIG3 rate: 1637
hTRIG4 rate: 975
hTRIG5 rate: 555
hTRIG6 rate: 349

- [x] Data ok
- [ ] Junk

- [ ] coin_sparse
- [x] coin
- [ ] coin_sparse_low

Comments: 10 min @ 20 μA PS1=0   HMS eff=99.4%

Events 233K
Charge 13.1m C

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

Max NPS anode current (single crystal): N/A (μA)

Run Number:

I_{beam}: ______ μA

- [ ] LH2 10cm
- [ ] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.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) (μA)

Run Number:

I_{beam}: ______ μA

- [ ] LH2 10cm
- [ ] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.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) (μA)

Run Number:

I_{beam}: ______ μA

- [ ] LH2 10cm
- [ ] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.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) (μA)

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

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

Use a separate sheet for each configuration.

Date: 23/12/14 (yy/mm/dd) Initials: DD

Kinematics: KinC_x 60-2'

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.458 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

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

HMS p: 3.803 (From GUI) θ(TV): 22.92 (Nearest 0.005)

SHMS θ(TV): 28.75 (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

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Run Number: 3638 | I_{beam}: 30 μA | ☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 04:12:26 | Stop time (from RC): 05:13

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.16M | hTRIG3 rate 591 | hTRIG4 rate 397 | hTRIG5 rate 187 | hTRIG6 rate 136 | ☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1hr 1HMS eff tracking = 99.67%

Events 125K Charge 66.4M C

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

Max NPS anode current (single crystal): 2.66 (μA)

Run Number: 3639 | I_{beam}: 30 μA | ☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 13:14:52 | Stop time (from RC): 14:19:45

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.75e6 | hTRIG3 rate 859.6 | hTRIG4 rate 571.2 | hTRIG5 rate 390.8 | hTRIG6 rate 261.2 | ☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1hr 1HMS tracking eff = 99.46%

Events 824K Charge 93m C

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

Max NPS anode current (single crystal): 3.16 (μA)

Run Number: 3640 | I_{beam}: 20 μA | ☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 14:22 | Stop time (from RC): 14:45

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.19e6 | hTRIG3 rate 560.8 | hTRIG4 rate 394.8 | hTRIG5 rate 184.0 | hTRIG6 rate 132.3 | ☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: track eff = 99.59%

Events 180K Charge 25m C

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

Max NPS anode current (single crystal): 2.20 (μA)

Run Number: 3641 | I_{beam}: 10 μA | ☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 14:47 | Stop time (from RC): 15:10

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 5.6e5 | hTRIG3 rate 314.8 | hTRIG4 rate 219.5 | hTRIG5 rate 79.9 | hTRIG6 rate 59.7 | ☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: track eff = 99.48%

Events 89K Charge 12mC

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

Max NPS anode current (single crystal): 1.78 (μA)

p(e,e'γ) p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 19 (yy / mm / dd) Initials: Hao

Kinematics: KinC_x 60-2'

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

HMS, field, current OK? yes ☐ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

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

HMS p: +03.803 From GUI; θ(TV): _____ Nearest 0.005

SHMS θ(TV): 28.94 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

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Run Number: 3642 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 15:13 Stop time (from RC): 15:54

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.17e6 hTRIG3 rate: 585.6 hTRIG4 rate: 398.5 hTRIG5 rate: 179.6 hTRIG6 rate: 135.5

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: track eff = 99.71%

Events 909k Charge 13m C

Active trigger LiveTime fraction (NPS Scaler Gui): N/A

Max NPS anode current (single crystal): 2.84 (μA)

Run Number: 3643 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 15:56 Stop time (from RC): 16:10

☑ Settings Verified? ☑ HV OK? ☒ 50k OK?

hTRIG1 rate: 1.49e6 hTRIG3 rate: 858.7 hTRIG4 rate: 568.7 hTRIG5 rate: 304.3 hTRIG6 rate: 203.9

☒ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: TrK = 99.57%

Events 148k Charge ____ C

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

Max NPS anode current (single crystal): 111.25 (μA)

Run Number: 3644 | I_{beam}: 30 μA

☐ LH2 10cm ☑ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 16:19:11 Stop time (from RC): 16:28

☑ 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: 2.2.1 Almost no beam, junk run

Events _____ Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): _____

Max NPS anode current (single crystal): 4.49 (μA)

Run Number: 3645 | I_{beam}: 30 μA

☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 16:49 Stop time (from RC): 16:53

☐ 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: 2.2.1 Bad beam, another junk run

Events _____ Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): _____

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

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

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

Use a separate sheet for each configuration.

Date: 23 (yy) / 12 (mm) / 14 (dd) Initials: GH

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 8.455 GeV

Raster: ☒ On ☐ Off Size: _____

Beam position and angle on target:

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

HMS

p: +/- 3.8030 (From GUI) θ(GUI): 22.520 (Nearest 0.005)

SHMS

θ(GUI): 28.760 (Nearest 0.005)

NPS

θ = SHMS −16.30° (Nearest 0.005)

Collimator: HMS: Large ☒ Sieve ☐ | NPS Sweep Magnet I = 408 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 3646 | I_{beam}: 30 μA

☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 16:56 Stop time (from RC): 17:12

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: 2.2.1 Trk = 99.45

Events 224k Charge 25 nC

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3647 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☒ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 17:13 Stop time (from RC): 17:29

Settings Verified? ☐ HV OK? ☐ 50k OK? ☒

hTRIG1 rate: 949k | hTRIG3 rate: 580 | hTRIG4 rate: 297 | hTRIG5 rate: 152 | hTRIG6 rate: 90

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2.2.2 4MB/s. Trk = 99.63

Events 82k Charge 12 nC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.89 %

Max NPS anode current (single crystal): 2.24 (μA)

Run Number: 3648 | I_{beam}: 15 μA

☒ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 17:39 Stop time (from RC): 18:40

Settings Verified? ☐ HV OK? ☐ 50k OK? ☒

hTRIG1 rate: 2.29M | hTRIG3 rate: 1269 | hTRIG4 rate: 750 | hTRIG5 rate: 691 | hTRIG6 rate: 417

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2.3.1 #1 Trk = 99.73

Events 1.4M Charge 50 nC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.969

Max NPS anode current (single crystal): 3.32 (μA)

Run Number: 3649 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 18:41 Stop time (from RC): 19:43

Settings Verified? ☐ HV OK? ☐ 50k OK? ☒

hTRIG1 rate: 2.26M | hTRIG3 rate: 1291 | hTRIG4 rate: 765 | hTRIG5 rate: 675 | hTRIG6 rate: 409

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2.3.1 #2 18MB/s ~~Trk = 100.0~~ Trk = 99.56

Events 1.476M Charge 52 nC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.16 (μA)

→ π⁰ Energy plots are EMPTY. Everything else seems normal. Assume it's an analysis issue.

p(e,e'γ) p Run Sheet

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

Date: 23/12/14 (yy/mm/dd) Initials: GH

Use a separate sheet for each configuration.

Kinematics: KinC_x 60-2'

Purpose: [x] Production [ ] Test [ ] Optics [ ] Other: ______

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 8.455 GeV

Raster: [x] On [ ] Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.70 mm	0.29 mm
3H07C	0.88 mm	0.30 mm

HMS: p: +3.8030 (From GUI) θ(GUI): 22.920 (Nearest 0.005)

SHMS: θ(GUI): 28.760 (Nearest 0.005)

NPS: θ = SHMS −16.30° (Nearest 0.005)

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

Run Number	I_{beam}	Target	PS1–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	Trigger	Comments	Events	Charge (mC)	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)
3650	15 μA	LD2 10cm	-1	0	19:44	20:45	[ ]	[ ]	[x] (see 3649)	2.24M	1253	723	690	411	Data ok	coin_sparse	2.3.1 #3 see 3649	1.44M	35	100%	3.05
3651	15 μA	LD2 10cm	-1	0	20:46	21:47	[ ]	[ ]	[x]	2.24M	1289	751	664	420	Data ok	coin_sparse	2.3.1 #4 Trk=99.42	1.4M	50	100%	3.33
3652	10 μA	LD2 10cm	-1	0	21:48	22:08	[ ]	[ ]	[x]	1.73M	816	512	351	227	Data ok	coin_sparse	2.3.2 Trk=99.85	260k	11.7	100%	2.30
3653	7 μA	LD2 10cm	-1	0	22:10	22:30	[ ]	[ ]	[x]	1.24M	572	365	197	127	Data ok	coin_sparse	2.3.3 Trk=99.56	157k		100%	2.29

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 14 (yy / mm / dd) Initials: GH

Kinematics: KinC_x 60-21

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 6.455 GeV

Raster: ☒ On ☐ Off Size: 2+2

Beam position and angle on target:

	X	Y
3H07A	1.71 mm (Nomin:)	0.1296 mm (Nomin:)
3H07C	0.701 mm (Nomin:)	0.1300 mm (Nomin:)

HMS p: +3.8030 (From GUI) θ(TV): 22.920 (GUI) (Nearest 0.005)

SHMS θ(TV): 28.760 (GUI) (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

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Run Number: 3654 | I_{beam}: 10 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 22:32 | Stop time (from RC): 23:13

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate: 1.73M | hTRIG3 rate: 898 | hTRIG4 rate: 531 | hTRIG5 rate: 351 | hTRIG6 rate: 219

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2.3.4 Trk = 99.74

Events 1.2M | Charge 26.78 C

Active trigger LiveTime fraction (NPS Scaler Gui): /

Max NPS anode current (single crystal): 2.54 (μA)

Run Number: 3655 | I_{beam}: 15 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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

Start time (from RC): 23:16 | Stop time (from RC): 23:27

☐ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate: 209M | hTRIG3 rate: 1254 | hTRIG4 rate: 730 | hTRIG5 rate: 629 | hTRIG6 rate: 385

☒ Data ok ☐ Junk

☐ coin_sparse ☒ coin ☐ coin_sparse_low

Comments: 2.3.5. Trk = 99.56

Events 223K | Charge 9.6 C

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

Max NPS anode current (single crystal): 3 (μA)

Run Number: _____ | I_{beam}: _____ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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) (μA)

Run Number: _____ | I_{beam}: _____ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

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) (μA)

p(e,e'γ) p Run Sheet

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

Date: 23 12 14 (yy mm dd) Initials: GH

Use a separate sheet for each configuration.

Kinematics: KinC_x60-2

Purpose: [x] Production [ ] Test [ ] Optics [ ] Other: ______

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 8.455 GeV

Raster: [x] On [ ] Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.700 mm (Nomin:)	0.298 mm (Nomin:)
3H07C	0.707 mm (Nomin:)	0.298 mm (Nomin:)

HMS: p: +3.8030 (From GUI) θ(GUI): 22.920 (Nearest 0.005)

SHMS: θ(TV): 32.810 (Nearest 0.005)

NPS: θ = SHMS −16.30°: 16.57 (Nearest 0.005)

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

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Field	Run 3656	Run 3657	Run 3658	Run 3659
Target	[x] LH2 10cm	[x] LH2 10cm	[x] LH2 10cm	[x] LH2 10cm
I_{beam} (μA)	30	30	30	30
PS1	-1	-1	-1	-1
PS2	-1	-1	-1	-1
PS3	-1	-1	-1	-1
PS4	-1	-1	-1	-1
PS5	-1	-1	-1	-1
PS6	0	0	0	0
Start time (from RC)	23:34	23:40	01:10:42	02:13
Stop time (from RC)	—	23:51	02:12:27	03:14
Settings Verified?	[ ]	[ ]	[x]	[x]
HV OK?	[ ]	[ ]	[x]	[x]
50k OK?	[ ]	[ ]	[x]	[x]
hTRIG1 rate	—	2.0×10⁵	754k	744k
hTRIG3 rate		318	883.2	900.1
hTRIG4 rate		222	571.8	583.8
hTRIG5 rate		58	191.8	186.2
hTRIG6 rate		52	143.3	141.6
Data ok / Junk	Junk [x]	Junk [x]	Data ok [x]	[ ]
Trigger	coin_sparse [x]	coin_sparse [x]	coin_sparse [x]	coin_sparse [x]
Comments	1.1.1 #1 Julia moved the SHMS.	1.1.1 #1 Unstable beam.	Trk: 0.9954	Trk: 0.9967
Events			480k	471k
Charge (C)			101.28m	
Active trigger LiveTime fraction (NPS Scaler Gui)		100%	100	100
Max NPS anode current (single crystal) (μA)		1.79	2.09	2.36

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 15 (yy / mm / dd) Initials: EW

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 8.455 GeV

Raster: ☒ On ☐ Off Size: 2x2

Beam position and angle on target:

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

HMS

p: +~~0~~3.8030 (From GUI) θ(TV): 22.920 (Nearest 0.005)

SHMS

θ(TV): 32.870 (Nearest 0.005)

NPS

θ = SHMS −16.30°: 16.57 (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

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Run Number: 3660 | I_{beam}: 20 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 03:15 | Stop time (from RC): 03:35

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 466 k | hTRIG3 rate: 603.5 | hTRIG4 rate: 407.5 | hTRIG5 rate: 104.1 | hTRIG6 rate: 83.7

☐ Data ok ☐ Junk

coin_sparse ☒ *coin* ☐ *coin_sparse_low* ☐

Comments: Trk: 0.9954

Events 100k | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 2.30 (μA)

Run Number: 3661 | I_{beam}: 10 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 03:36 | Stop time (from RC): 03:57

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 207 k | hTRIG3 rate: 330.6 | hTRIG4 rate: 226.1 | hTRIG5 rate: 60.4 | hTRIG6 rate: 54.5

☑ Data ok ☐ Junk

coin_sparse ☒ *coin* ☐ *coin_sparse_low* ☐

Comments: Trk: 0.9960

Events 66.5k | Charge 1.06 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 1.64 (μA)

Run Number: 3662 | I_{beam}: 20 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 03:59 | Stop time (from RC): 04:40

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 467 k | hTRIG3 rate: 605.0 | hTRIG4 rate: 402.8 | hTRIG5 rate: 108.5 | hTRIG6 rate: 85.2

☐ Data ok ☐ Junk

coin_sparse ☒ *coin* ☐ *coin_sparse_low* ☐

Comments: Trk: 0.9963

Events 93.1 k | Charge ____ C

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

Max NPS anode current (single crystal): 2.03 (μA)

Run Number: 3663 | I_{beam}: 30 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 04:42 | Stop time (from RC): 04:52

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 648 k | hTRIG3 rate: 893.2 | hTRIG4 rate: 582.9 | hTRIG5 rate: 158.9 | hTRIG6 rate: 117.4

☑ Data ok ☐ Junk

coin_sparse ☐ *coin* ☒ *coin_sparse_low* ☐

Comments: Trk: 0.9958

Events 65 k | Charge 14.62 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

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

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

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

Use a separate sheet for each configuration.

Date: 23 / 12 / 15 (yy / mm / dd) Initials: EW

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 8.155 GeV

Raster: ☒ On ☐ Off Size: 2x2

Beam position and angle on target:

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

HMS

p: +3.8030 (From GUI) θ(TV): 22.920 (Nearest 0.005)

SHMS

θ(TV): 32.870 (Nearest 0.005)

NPS

θ = SHMS −16.30° 16.57 (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: 3364 | I_{beam}: 30 μA

☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 05:04 | Stop time (from RC): 05:20

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 891k | hTRIG3 rate 108.8 | hTRIG4 rate 558.9 | hTRIG5 rate 237.2 | hTRIG6 rate 140.1

☐ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Trk: 0.9468

Events 122k | Charge____C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 3.14 (μA)

Run Number: 3365 | I_{beam}: 15 μA

☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 05: | 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: npsvtp 1, npsvtpd Error

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

Run Number: 3366 | I_{beam}: 15 μA

☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 05:27 | Stop time (from RC): 05:41

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 383k | hTRIG3 rate 574.3 | hTRIG4 rate 317.4 | hTRIG5 rate 83.4 | hTRIG6 rate 62.4

☐ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Trk: 0.9467

Events 54k | Charge____C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 1.96 (μA)

Run Number: 3367 | I_{beam}: 20 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 05:50 | Stop time (from RC): 07:01

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1680k | hTRIG3 rate 179.2 | hTRIG4 rate 1008.3 | hTRIG5 rate 633.0 | hTRIG6 rate 389.8

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Trk: 0.9962

Events 1.5M | Charge 77.03 C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 3.05 (μA)

p(e,e'γ) p Run Sheet

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

Use a separate sheet for each configuration.

Date: 24 / 1 / 19 (yy / mm / dd) Initials: MM

Kinematics: KinC_x 36-5

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.539 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

	X	Y
3H07A	____ mm (Nomin:)	____ mm (Nomin:)
3H07C	____ mm (Nomin:)	____ mm (Nomin:)

HMS

p: +4.637 (From GUI) θ(TV): 16.445 (Nearest 0.005)

SHMS 28.500

θ(TV): ~~4.445~~ (Nearest 0.005)

NPS

θ = SHMS −16.30° 12.200 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = ____ Amp | NPS Upstream Corr. I = ____ Amp | NPS Upstream Corr. I = ____ Amp

---

Run Number: 3718

I_{beam}: 5 μA

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

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

Start time (from RC): 01:58:32

Stop time (from RC): 02:21:27

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate | hTRIG3 rate 120Hz | hTRIG4 rate

hTRIG5 rate | hTRIG6 rate

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: NPS Sweeper off Carbon hole test

Events 157k Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): N/A

Max NPS anode current (single crystal) (μA)

Run Number: 3719

I_{beam}: ____ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ____

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

Start time (from RC): 8:11:54

Stop time (from RC): 8:17

☐ 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: Junk to exersize coda

Events____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3720

I_{beam}: Varied μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ____

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

Start time (from RC): 13:16

Stop time (from RC): 13:57

☐ 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: recording beam tests, ending b/c MCC needs access

Events____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3721

I_{beam}: 0 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ____

PS1: ____ PS2: ____ PS3: ____ PS4: ____ PS5: ____ PS6: ____

Start time (from RC): 16:45

Stop time (from RC): 16:49

☐ 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: testing DAQ with EDTM

EDTM = 100Hz

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:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24 / 01 / 20 (yy / mm / dd) Initials: OK

Kinematics: KinC_x 36-5

Purpose: ☑ Production ☑ Test ☐ Optics ☐ Other: 6

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.539 GeV

Raster: ☑ On ☐ Off Size: 2X2 MM

Beam position and angle on target:

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

HMS: p: +/- 4.637 From GUI; θ(TV): 16.445 Nearest 0.005

SHMS: θ(TV): 28.5 Nearest 0.005

NPS: θ = SHMS −16.30° 12.20 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

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Run Number: 3724 | I_{beam}: 5 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☑ carbon Hole

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

Start time (from RC): ~~03:28:24~~

Stop time (from RC):

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: X | hTRIG3 rate: ✓ | hTRIG4 rate: ✓

hTRIG5 rate: X | hTRIG6 rate: X

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: carbon Hole Junk Wrong prescal

Events X Charge X C

Active trigger LiveTime fraction (NPS Scaler Gui): X

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

Run Number: 3725 | I_{beam}: 5 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ carbonHol

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

Start time (from RC): 03:28:24

Stop time (from RC): 03:40:11

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 60042.8 | hTRIG3 rate: 118.3 | hTRIG4 rate: ~~70~~ 70.9

hTRIG5 rate: 9.1 | hTRIG6 rate: 5.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Carbon Hole Sw Good Hole Visible!

Events 78K Charge C

Active trigger LiveTime fraction (NPS Scaler Gui):

Max NPS anode current (single crystal): 0.7 (μA)

Run Number: | I_{beam}: μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.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): (μA)

Run Number: | I_{beam}: μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.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): (μA)

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

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

Use a separate sheet for each configuration.

Date: 24 / 01 / 20 (yy / mm / dd) Initials: OS

Kinematics: KinC_x 36-5

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other:

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.539 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

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

HMS: p: +/- 4.637 (From GUI) θ(TV): 16.445 (Nearest 0.005)

SHMS: θ(TV): 28.5 (Nearest 0.005)

NPS: θ = SHMS −16.30° 12.2 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = −19 Amp | NPS Upstream Corr. I = 23 Amp

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Run Number: 3726

I_{beam}: ____ μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ____

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

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

☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

☐ Data ok ☑ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Junk run to check scalers during IC calibration.

Events 77k Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3727

I_{beam}: ____ μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ____

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

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

☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

☐ Data ok ☑ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Junk - to check rates during beam ramp. Rate rate too high @ 40uA → drop to 30

Events 700k Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3728

I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ____

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

Start time (from RC): 10:09:20

Stop time (from RC): 11:11:51

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.55×10^6 | hTRIG3 rate: 5785 | hTRIG4 rate: 3650

hTRIG5 rate: 3909 | hTRIG6 rate: 2502

☐ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: FIRST PRODUCTION RUN OF 2026 !!! :)

Events 7.87M Charge 47.21μC ← Charge script wrong.

Active trigger LiveTime fraction (NPS Scaler Gui): 99.787

Max NPS anode current (single crystal) (μA): 5.25

Run Number: 3729

I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ____

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

Start time (from RC): 11:15:38

Stop time (from RC): 12:13:22

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.50×10^6 | hTRIG3 rate: 5717 | hTRIG4 rate: 3762

hTRIG5 rate: 3714 | hTRIG6 rate: 2382

☐ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 7.11M Charge 4.69mC ↑ Charge script wrong

Active trigger LiveTime fraction (NPS Scaler Gui): 99.752

Max NPS anode current (single crystal) (μA): 41.99

p(e,e'γ) p Run Sheet

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

Use a separate sheet for each configuration.

Date: 24 / 01 / 20 (yy / mm / dd) Initials: OJ

Kinematics: KinC_x 36_5

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other:

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 mm

Beam position and angle on target:

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

HMS: p: +(-) 4.637 (From GUI) θ(TV): 16.440 (Nearest 0.005)

SHMS: θ(TV): 28.50 (Nearest 0.005)

NPS: θ = SHMS −16.30° 12.2 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = −19 Amp | NPS Upstream Corr. I = 23 Amp

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Run Number: 3730 | I_{beam}: ____ μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.I ☐ ____

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: Pedestal run

Events ____ Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): ____

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

Run Number: 3731 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.I ☐ ____

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

Start time (from RC): 12:33:48 Stop time (from RC): 13:33:08

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.5×10^6 hTRIG3 rate 5755 hTRIG4 rate 3688 hTRIG5 rate 3958 hTRIG6 rate 2565

☐ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments:

Events 8.1M Charge 10.0 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.74

Max NPS anode current (single crystal): 4.75 (μA)

Run Number: 3732 | I_{beam}: 15 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.I ☐ ____

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

Start time (from RC): 13:37:02 Stop time (from RC): 13:58:13

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.9×10^6 hTRIG3 rate 2809 hTRIG4 rate 1835 hTRIG5 rate 1261 hTRIG6 rate 829

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 902k Charge 15.6 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 98.51

Max NPS anode current (single crystal): 2.58 (μA)

Run Number: 3733 | I_{beam}: 8 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.I ☐ ____

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

Start time (from RC): 14:01:56 Stop time (from RC): 14:47:26

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.15×10^6 hTRIG3 rate 1593 hTRIG4 rate 1035 hTRIG5 rate 477 hTRIG6 rate 303

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Extended by ~5 mins to account for beam down.

Events 686k Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 1.47 (μA)

p(e,e'γ) p Run Sheet

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

Use a separate sheet for each configuration.

Date: 24 / 01 / 20 (yy / mm / dd) Initials: OJ

Kinematics: KinC_x 36-5

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.54 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

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

HMS

p: ~~+/-~~ 4.637 (From GUI) θ(TV): 16.44 (Nearest 0.005)

SHMS

θ(TV): 28.50 (Nearest 0.005)

NPS

θ = SHMS −16.30°: 12.20 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = −19 Amp | NPS Upstream Corr. I = 23 Amp

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Run Number: 3734 | I_{beam}: 15 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 15:00:55 | Stop time (from RC): _____

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.89x10^6 | hTRIG3 rate: 2816 | hTRIG4 rate: 1838

hTRIG5 rate: 1245 | hTRIG6 rate: 840

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: _____

Events 4.2M | Charge 33.45 mC

Active trigger LiveTime fraction (NPS Scaler Gui): ? (PS6 ≠ 0)

Max NPS anode current (single crystal): 2.61 (μA)

Run Number: 3735 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

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

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

☐ Data ok ☑ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: Junk - Prescales not saved.

Events _____ | Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3736 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 15:46:41 | Stop time (from RC): 15:49:10

☑ 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 too high (~150 MB/s) Increasing PS6 for next run

Events _____ | Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3737 | I_{beam}: 30 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 15:50:33 | Stop time (from RC): _____

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 2.6x10^6 | hTRIG3 rate: 5740 | hTRIG4 rate: 3681

hTRIG5 rate: 3874 | hTRIG6 rate: 2547

☐ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: End of Run menage morning?

Events 575k | Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.927

Max NPS anode current (single crystal): 4.72 (μA)

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

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

Use a separate sheet for each configuration.

Date: 24 / 01 / 20 (yy / mm / dd) Initials: Y. G.

Kinematics: KinC_x 36-5

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other:

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2 SS

Beam position and angle on target:

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

HMS

p: +/- 4.637 (From GUI) θ(TV): 16.44 (Nearest 0.005)

SHMS

θ(TV): 28.50 (Nearest 0.005)

NPS

θ = SHMS −16.30°: 12.80 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = −19 Amp | NPS Upstream Corr. I = 23 Amp

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Run Number: 3738 | I_{beam}: 30 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐

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

Start time (from RC): 16:42:39 | Stop time (from RC): 17:01:12

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.67×10^6 | hTRIG3 rate: 4245.6 | hTRIG4 rate: 3471.1 | hTRIG5 rate: 5015.5 | hTRIG6 rate: 2898.6

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: 50K replay → something happens. With the >1M events, on terminal it says <50K events

Events 2.8M | Charge 28.61 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.079 % | Max NPS anode current (single crystal): 10.17 (μA)

Run Number: 3739 | I_{beam}: 20 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐

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

Start time (from RC): 17:03:33 | Stop time (from RC): 17:20:42

☑ Settings Verified? ☑ HV OK? ? 50k OK?

hTRIG1 rate: 2.48×10^6 | hTRIG3 rate: 4565.6 | hTRIG4 rate: 2622.3 | hTRIG5 rate: 2743.8 | hTRIG6 rate: 1618.9

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: same issue as for 3738

Events 1.22 M | Charge 14.96 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): (μA)

Run Number: 3740 | I_{beam}: 15 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐

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

Start time (from RC): 17:53:44 | Stop time (from RC):

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 2.67×10^6 | hTRIG3 rate: 8391.6 | hTRIG4 rate: 4990.8 | hTRIG5 rate: 6354.8 | hTRIG6 rate: 3768.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: same issue

Events ____ | Charge 20.01 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 98.372 % | Max NPS anode current (single crystal): 4.22 (μA)

---

(1) **Run Number:** 3741 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐

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

Start time (from RC): 18:40:46 | Stop time (from RC):

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 2.59×10^6 | hTRIG3 rate: 5847.0 | hTRIG4 rate: 3517.0 | hTRIG5 rate: 3993.3 | hTRIG6 rate: 2386.2

☐ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: same issue

Events ____ | Charge 31.07 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.743 % | Max NPS anode current (single crystal): 2.92 (μA)

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

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

Use a separate sheet for each configuration.

Date: 24 / 01 / 20 (yy / mm / dd) Initials: Y. G.

Kinematics: KinC_x 36-5

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 mm

Beam position and angle on target:

3H07A X	3H07A Y	3H07C X	3H07C Y
1.68 mm Nomin:	0.29 mm Nomin:	0.7 mm Nomin:	0.28 mm Nomin:

HMS

p: +/- 4.637 (From GUI) θ(TV): 16.440 (Nearest 0.005)

SHMS

θ(TV): 28.500 (Nearest 0.005)

NPS

θ = SHMS −16.30°: 12.20 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 463 Amp | NPS Upstream Corr. I = −19 Amp | NPS Upstream Corr. I = 23 Amp

---

(2)

Run Number: 3742 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 19:43:47 | Stop time (from RC): 20:44:18

Settings Verified? ☑ HV OK? ☑ 50k OK? ☐

hTRIG1 rate: 2.59×10^6 | hTRIG3 rate: 5913.2 | hTRIG4 rate: 3451.8 | hTRIG5 rate: 3888.2 | hTRIG6 rate: 2325.2

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 7.8M | Charge 32.70 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 96.91% | Max NPS anode current (single crystal): 2.98 (μA)

---

(3)

Run Number: 3743 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 20:45:45 | Stop time (from RC): 21:46:19

Settings Verified? ☑ HV OK? ☑ 50k OK? ☐

hTRIG1 rate: 2.57×10^6 | hTRIG3 rate: 5876.9 | hTRIG4 rate: 3541.6 | hTRIG5 rate: 38.22 | hTRIG6 rate: 2318.8

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 7.8M | Charge 33.72 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.734 % | Max NPS anode current (single crystal): 2.83 (μA)

---

(4)

Run Number: 3744 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 21:47:52 | Stop time (from RC): 22:51:39

Settings Verified? ☑ HV OK? ☑ 50k OK? ☐

hTRIG1 rate: 2.58×10^6 | hTRIG3 rate: 3959.9 | hTRIG4 rate: 3422.1 | hTRIG5 rate: 3840.5 | hTRIG6 rate: 2367.4

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 8.4M | Charge 36.12 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.680 % | Max NPS anode current (single crystal): 2.82 (μA)

---

(5)

Run Number: 3745 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

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

Start time (from RC): 22:53:24 | Stop time (from RC): 23:54:05

Settings Verified? ☑ HV OK? ☑ 50k OK? ☐

hTRIG1 rate: 2.6×10^6 | hTRIG3 rate: 5959.5 | hTRIG4 rate: 3469.8 | hTRIG5 rate: 3870.4 | hTRIG6 rate: 2321.1

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 7.65M | Charge 33.06 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.7111 % | Max NPS anode current (single crystal): 2.85 (μA)

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 24/01/21 (yy/mm/dd) Initials: EF

Use a separate sheet for each configuration.

Kinematics: KinC_x36-5

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 10.539 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
	0.69 mm	0.29 mm
Nomin:		Nomin:

HMS: p: +(-) 4.637 From GUI; θ(TV): 16.440 Nearest 0.005

SHMS: θ(TV): 28.500 Nearest 0.005

NPS: θ = SHMS −16.30° 12.20 Nearest 0.005

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = −19 Amp | NPS Upstream Corr. I = 23 Amp

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Run Number: 3746 (6)

I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: — PS2: — PS3: — PS4: — PS5: — PS6: 0

Start time (from RC): 23:55:07

Stop time (from RC): 0:55:32

Settings Verified? ☑ HV OK? ☑ 50k OK? ☒

hTRIG1 rate: 2.58×10^6 | hTRIG3 rate: 5800.9 | hTRIG4 rate: 3293.3

hTRIG5 rate: 3738.6 | hTRIG6 rate: 2185.6

Data ok ☒ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 9.2M Charge 3256 nC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.349%

Max NPS anode current (single crystal): 2.72 (μA)

Run Number: 3747

I_{beam}: 8.5 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: — PS2: — PS3: — PS4: — PS5: — PS6: 0

Start time (from RC): 0:58:03

Stop time (from RC): 4:18:21

Settings Verified? ☒ HV OK? ☒ 50k OK? ☒

hTRIG1 rate: 2.37×10^6 | hTRIG3 rate: 4406 | hTRIG4 rate: 2613

hTRIG5 rate: 2543 | hTRIG6 rate: 1901.4

Data ok ☒ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 1.9M Charge 9 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.844%

Max NPS anode current (single crystal): 2.29 (μA)

Run Number: 3748

I_{beam}: 5 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: — PS2: — PS3: — PS4: — PS5: — PS6: 0

Start time (from RC): 1:22:25

Stop time (from RC): 2:06:34

Settings Verified? ☒ HV OK? ☒ 50k OK? ☒

hTRIG1 rate: 1.90×10^6 | hTRIG3 rate: 2891 | hTRIG4 rate: 1707

hTRIG5 rate: 1266 | hTRIG6 rate: 791

Data ok ☒ Junk ☐

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 1.84M Charge 12 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.957

Max NPS anode current (single crystal): 1.67 (μA)

Run Number: 3749

I_{beam}: 5 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: — PS2: — PS3: — PS4: 0 PS5: — PS6: —

Start time (from RC): 2:02:44

Stop time (from RC): 2:48:04

Settings Verified? ☒ HV OK? ☒ 50k OK? ☒

hTRIG1 rate: 1.94×10^6 | hTRIG3 rate: 3026 | hTRIG4 rate: 1390

hTRIG5 rate: 1428 | hTRIG6 rate: 850

Data ok ☒ Junk ☐

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 3.9M Charge ~12 μC

Active trigger LiveTime fraction (NPS Scaler Gui): N/A

Max NPS anode current (single crystal): 1.52 (μA)

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24/01/21 (yy/mm/dd) Initials: EF

Kinematics: KinC_x 36-5

Purpose: ☒ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 10.538 GeV

Raster: ☒ On ☐ Off Size: _____

Beam position and angle on target:

	X	Y
3H07A	1.69 mm Nomin:	0.34 mm Nomin:
3H07C	0.69 mm Nomin:	0.73 mm Nomin:

HMS p: +/- 4.637 From GUI θ(TV): 16.45 Nearest 0.005

SHMS θ(TV): 28.5 Nearest 0.005

NPS θ = SHMS −16.30° 12.2 Nearest 0.005

Collimator: HMS: Large ☒ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = −10 Amp | NPS Upstream Corr. I = +23 Amp

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Run Number: 3753 | I_{beam}: 10 μA | ☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____ | PS1: – PS2: – PS3: – PS4: – PS5: – PS6: 3 | Start time (from RC): 2:56:38 | Stop time (from RC): 3:10:24 | ☒ Settings Verified? ☒ HV OK? ☐ 50k OK? | hTRIG1 rate 2.53.10⁶ | hTRIG3 rate 5709 | hTRIG4 rate 3501 | hTRIG5 rate 3692 | hTRIG6 rate 2308 | ☐ Data ok ☐ Junk

coin_sparse ☐ coin ☒ coin_sparse_low ☐

Comments: 3750, 51, 52 junk ⇒ optimise PS6

Events 7.0k Charge 8.6n C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.+% | Max NPS anode current (single crystal): 2.93 (μA)

Run Number: 3754 | I_{beam}: 30 μA | ☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____ | PS1: – PS2: – PS3: – PS4: – PS5: – PS6: 0 | Start time (from RC): 3:19:29 | Stop time (from RC): | ☒ Settings Verified? ☒ HV OK? ☐ 50k OK? | hTRIG1 rate 2.57 10⁶ | hTRIG3 rate 5599 | hTRIG4 rate 3829 | hTRIG5 rate 3860 | hTRIG6 rate 2516 | ☐ Data ok ☒ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: JUNK! VTP2 probably down...

Events _____ Charge _____ C | Active trigger LiveTime fraction (NPS Scaler Gui) | Max NPS anode current (single crystal): (μA)

Run Number: 3755 | I_{beam}: 30 μA | ☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____ | PS1: – PS2: – PS3: – PS4: – PS5: – PS6: 0 | Start time (from RC): 3:30:41 | Stop time (from RC): 4:32:37 | ☒ Settings Verified? ☒ HV OK? ☒ 50k OK? | hTRIG1 rate 2.58 10⁶ | hTRIG3 rate 5747 | hTRIG4 rate 3719 | hTRIG5 rate 3894 | hTRIG6 rate 2541 | ☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 8.37M Charge 110μC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.654% | Max NPS anode current (single crystal): 4.60 (μA)

Run Number: 3756 | I_{beam}: 30 μA | ☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____ | PS1: – PS2: – PS3: – PS4: – PS5: – PS6: 0 | Start time (from RC): 4:33:23 | Stop time (from RC): 5:38:00 | ☒ Settings Verified? ☒ HV OK? ☒ 50k OK? | hTRIG1 rate 2.58.10⁶ | hTRIG3 rate 5923 | hTRIG4 rate 3802 | hTRIG5 rate 3954 | hTRIG6 rate 2526 | ☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 7.4M Charge _____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.668% | Max NPS anode current (single crystal): 4.66 (μA)

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24/01/21 (yy/mm/dd) Initials: EF

Kinematics: KinC_x 36.5

Purpose: ☒ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☒ On ☐ Off Size: _____

Beam position and angle on target:

	X	Y
3H07A	1.311 mm (Nomin:)	0.786 mm (Nomin:)
3H07C	0.69 mm (Nomin:)	0.302 mm (Nomin:)

HMS p: +0.64637 (From GUI) θ(TV): _____ (Nearest 0.005)

SHMS θ(TV): 28.5 (Nearest 0.005)

NPS θ = SHMS −16.30° 12.2 (Nearest 0.005)

Collimator: HMS: Large ☒ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = −19 Amp | NPS Upstream Corr. I = +23 Amp

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Run Number: 3757 | I_{beam}: 30 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: – PS2: – PS3: – PS4: – PS5: – PS6: 0

Start time (from RC): 5:34:28 | Stop time (from RC): 5:44:38

☒ Settings Verified? ☒ HV OK? ☒ 50k OK?

hTRIG1 rate 2.57·10⁶ | hTRIG3 rate 5580 | hTRIG4 rate 3321 | hTRIG5 rate 3873 | hTRIG6 rate 2463

☐ Data ok ☒ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Trippy beam / JUNK

Events _____ Charge _____ C | Active trigger LiveTime fraction (NPS Scaler Gui) | Max NPS anode current (single crystal) (μA)

Run Number: 3758 | I_{beam}: 25 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: – PS2: – PS3: – PS4: – PS5: – PS6: 0

Start time (from RC): 5:46:30 | Stop time (from RC): 6:42:22

☒ Settings Verified? ☒ HV OK? ☒ 50k OK?

hTRIG1 rate 2.45·10⁶ | hTRIG3 rate 4847 | hTRIG4 rate 3165 | hTRIG5 rate 2980 | hTRIG6 rate 1954

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 3.37M Charge ___ MC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.749 | Max NPS anode current (single crystal) 4.37 (μA)

Run Number: 3759 | I_{beam}: 30 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: – PS2: – PS3: – PS4: – PS5: – PS6: 0

Start time (from RC): 6:43 | Stop time (from RC): 7:14:05

☒ Settings Verified? ☒ HV OK? ☒ 50k OK?

hTRIG1 rate 7.54·10⁶ | hTRIG3 rate 5654 | hTRIG4 rate 3628 | hTRIG5 rate 3835 | hTRIG6 rate 2549

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 3.80M Charge ___ C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.661 | Max NPS anode current (single crystal) 4.82 (μA)

Run Number: 3760 | I_{beam}: 15 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: – PS2: – PS3: – PS4: – PS5: – PS6: 0

Start time (from RC): 7:17 | Stop time (from RC): 8:02

☒ 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: Ended w/ long beam down (~10min)

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:Runsheet_dvcs_NPS.pdf

Date: 24 / 01 / 21 (yy / mm / dd) Initials: NH

Use a separate sheet for each configuration.

Kinematics: KinC_x 36-5

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

HMS, field, current OK? yes [✓] no [ ]

E_{beam}: 10.5 GeV

Raster: [✓] On [ ] Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.67 mm (Nomin:)	0.30 mm (Nomin:)
3H07C	2.66 mm (Nomin:)	0.30 mm (Nomin:)

HMS
p: +/-4.637 (From GUI) θ(TV): 16.445 (Nearest 0.005)

SHMS
θ(TV): 28.405 (Nearest 0.005)

NPS
θ = SHMS −16.30° 12.105 (Nearest 0.005)

Collimator: HMS: Large [✓] Sieve [ ] | NPS Sweep Magnet I = 4668 Amp | NPS Upstream Corr. I = _____ Amp | NPS Upstream Corr. I = _____ Amp

---

Run Number: 3761
I_{beam}: 15 μA

[✓] LH2 10cm [ ] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ] _____

PS1: / PS2: / PS3: / PS4: / PS5: / PS6: 0

Start time (from RC): 9:40
Stop time (from RC): 9:56

[✓] Settings Verified? [✓] HV OK? [✓] 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

[✓] Data ok [ ] Junk

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments:

Events 734K Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3762
I_{beam}: 6 μA

[x] LH2 10cm [ ] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ] _____

PS1: / PS2: / PS3: / PS4: / PS5: / PS6: 0

Start time (from RC): 9:58
Stop time (from RC): 10:43

[✓] Settings Verified? [✓] HV OK? [✓] 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate ~2931Hz

[✓] Data ok [ ] Junk

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments:

Events 761K Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3763
I_{beam}: 15 μA

[x] LH2 10cm [ ] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ] _____

PS1: / PS2: / PS3: / PS4: 0 / PS5: / PS6:

Start time (from RC): 10:46
Stop time (from RC): 11:28

[✓] Settings Verified? [✓] HV OK? [✓] 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate 1400 | hTRIG5 rate | hTRIG6 rate

[✓] Data ok [ ] Junk

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments:

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3764
I_{beam}: _____ μA

[x] LH2 10cm [ ] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ] _____

PS1: / PS2: / PS3: / PS4: / PS5: / PS6: 0

Start time (from RC):
Stop time (from RC):

[ ] Settings Verified? [ ] HV OK? [ ] 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

[ ] Data ok [x] Junk

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments: ment to be coin

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:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24/10/1 (yy/mm/dd) **Initials:** NH

Kinematics: KinC_x 36-5

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

HMS, field, current OK? yes [ ] no [ ]

E_{beam}: _____ GeV

Raster: [x] On [ ] Off Size: _____

Beam position and angle on target:

	X	Y
3H07A	_____ mm (Nomin:)	_____ mm (Nomin:)
3H07C	_____ mm (Nomin:)	_____ mm (Nomin:)

HMS: p: +/-_____ (From GUI) θ(TV): _____ (Nearest 0.005)

SHMS: θ(TV): _____ (Nearest 0.005)

NPS: θ = SHMS −16.30° _____ (Nearest 0.005)

Collimator: HMS: Large [x] Sieve [ ] *NPS Sweep Magnet* I = _____ Amp *NPS Upstream Corr.* I = _____ Amp NPS Upstream Corr. I = _____ Amp

---

Run Number: 3765

I_{beam}: 30 μA

- [x] LH2 10cm
- [ ] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ] _____

PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: 0

Start time (from RC): _____ Stop time (from RC): _____

[ ] Settings Verified? [ ] HV OK? [ ] 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

[ ] Data ok [x] Junk

coin_sparse [ ] *coin* [x] *coin_sparse_low* [ ]

Comments: Data rate too high

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3766

I_{beam}: 11 μA

- [x] LH2 10cm
- [ ] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ] _____

PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: 2

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 [x] Junk

coin_sparse [ ] *coin* [ ] *coin_sparse_low* [ ]

Comments: Data rate too high

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3767

I_{beam}: 30 μA

- [x] LH2 10cm
- [ ] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ] _____

PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: 3

Start time (from RC): 11:37 Stop time (from RC): 11:52

[x] Settings Verified? [x] HV OK? [x] 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

[ ] Data ok [ ] Junk

coin_sparse [ ] *coin* [x] *coin_sparse_low* [ ]

Comments:

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3768

I_{beam}: 30 μA

- [ ] LH2 10cm
- [ ] LD2 10cm
- [x] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ] _____

PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: 6

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 [x] Junk

coin_sparse [ ] *coin* [ ] *coin_sparse_low* [ ]

Comments: Did not load configs

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24 / 01 / 21 (yy / mm / dd) Initials: NH

Kinematics: KinC_x 36-5

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

HMS, field, current OK? yes [ ] no [ ]

E_{beam}: _____ GeV

Raster: [ ] On [ ] Off Size: _____

Beam position and angle on target:

3H07A	X _____ mm Nomin:	Y _____ mm Nomin:
3H07C	X _____ mm Nomin:	Y _____ mm Nomin:

HMS: p: +/-_____ From GUI θ(TV): _____ 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 = _____ Amp | *NPS Upstream Corr.* I = _____ Amp | NPS Upstream Corr. I = _____ Amp

---

Run Number: 3769 | I_{beam}: 30 μA

- [ ] LH2 10cm
- [ ] LD2 10cm
- [x] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ]

PS1: | PS2: | PS3: | PS4: | PS5: | PS6: 0

Start time (from RC): 11:59 | Stop time (from RC): 12:16

- [x] Settings Verified?
- [x] HV OK?
- [x] 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate 2957

- [x] Data ok
- [ ] Junk

- [x] *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: 3770 | I_{beam}: 20 μA

- [ ] LH2 10cm
- [ ] LD2 10cm
- [x] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ]

PS1: | PS2: | PS3: | PS4: | PS5: | PS6: 0

Start time (from RC): 12:18 | Stop time (from RC): 12:40

- [x] Settings Verified?
- [x] HV OK?
- [x] 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate 1582

- [x] Data ok
- [ ] Junk

- [x] *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: 3771 | I_{beam}: 10 μA

- [ ] LH2 10cm
- [x] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ]

PS1: | PS2: | PS3: | PS4: | PS5: | PS6: 0

Start time (from RC): 12:49 | Stop time (from RC): 13:51

- [x] Settings Verified?
- [x] HV OK?
- [x] 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate 2229

- [x] Data ok
- [ ] Junk

- [x] *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: 3772 | I_{beam}: 10 μA

- [ ] LH2 10cm
- [x] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ]

PS1: | PS2: | PS3: | PS4: | PS5: | PS6: 0

Start time (from RC): 13:51 | Stop time (from RC): 14:56

- [x] Settings Verified?
- [x] HV OK?
- [x] 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate 2241

- [x] Data ok
- [ ] Junk

- [ ] *coin_sparse*
- [ ] *oin*
- [ ] *coin_sparse_low*

Comments:

Events_____ Charge____C | Active trigger LiveTime fraction (NPS Scaler Gui) | Max NPS anode current (single crystal) (μA)

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24/01/21 (yy/mm/dd) Initials: NH

Kinematics: KinC_x 36-5

Purpose: ☒ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 11 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A	X ___ mm Nomin:	Y ___ mm Nomin:
3H07C	X ___ mm Nomin:	Y ___ mm Nomin:

HMS p: +/- 11 From GUI θ(TV): 11 Nearest 0.005

SHMS θ(TV): 11 Nearest 0.005

NPS θ = SHMS −16.30° 11 Nearest 0.005

Collimator: HMS: Large ☒ Sieve ☐ | NPS Sweep Magnet I = 11 Amp | NPS Upstream Corr. I = 11 Amp | NPS Upstream Corr. I = 11 Amp

---

Run Number: 3773 | I_{beam}: 10 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ___

PS1: 1 PS2: ___ PS3: ___ PS4: ___ PS5: ___ PS6: 0

Start time (from RC): 12:58 | Stop time (from RC): 16:16:05

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: ___ | hTRIG3 rate: ___ | hTRIG4 rate: ___

hTRIG5 rate: ___ | hTRIG6 rate: 2250

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 855151 Charge 37.4m C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.849%

Max NPS anode current (single crystal): 2.73 (μA)

Run Number: 3774 | I_{beam}: 10 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ___

PS1: — PS2: — PS3: — PS4: — PS5: — PS6: 0

Start time (from RC): 16:09:09 | Stop time (from RC): 17:18:00

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.57e6 | hTRIG3 rate: 5756.8 | hTRIG4 rate: 3492.1

hTRIG5 rate: 3750.6 | hTRIG6 rate: 2279.1

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 867662 Charge 37.94m C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.634%

Max NPS anode current (single crystal): 2.5 (μA)

Run Number: 3775 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ___

PS1: — PS2: — PS3: — PS4: — PS5: — PS6: 0

Start time (from RC): 17:19:48 | Stop time (from RC): 18:25:30

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.56e6 | hTRIG3 rate: 5788.2 | hTRIG4 rate: 3499.3

hTRIG5 rate: 3754.6 | hTRIG6 rate: 2238.4

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 850232 Charge 37.02 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.645%

Max NPS anode current (single crystal): 2.72 (μA)

Run Number: 3776 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ___

PS1: — PS2: — PS3: — PS4: — PS5: — PS6: 0

Start time (from RC): 18:26:48 | Stop time (from RC): ___

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.49e6 | hTRIG3 rate: 5441.6 | hTRIG4 rate: 3294.5

hTRIG5 rate: 3660.8 | hTRIG6 rate: 2183.3

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 859873 Charge 37.99 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.688%

Max NPS anode current (single crystal): 2.5 (μA)

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: yy 24 / mm 01 / dd 21 Initials: YZ

Kinematics: KinC_x 36-5

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 10.538 GeV

Raster: [x] On [ ] Off Size: 2x2 mm

Beam position and angle on target:

	X	Y
3H07A	1.7 mm Nomin:	0.3 mm Nomin:
3H07C	0.7 mm Nomin:	0.3 mm Nomin:

HMS: p: (-) 4.637 From GUI; θ(TV): 16.440 Nearest 0.005

SHMS: θ(TV): 28.500 Nearest 0.005

NPS: θ = SHMS −16.30° 12.200 Nearest 0.005

Collimator: HMS: Large [x] Sieve [ ]; NPS Sweep Magnet I = 468 Amp; NPS Upstream Corr. I = 19 Amp; NPS Upstream Corr. I = 23 Amp

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Run Number: 3777 — I_{beam}: 10 μA

LH2 10cm [ ] LD2 10cm [x] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl [ ] _____

PS1: — PS2: — PS3: — PS4: — PS5: — PS6: 0

Start time (from RC): 19:36:29 — Stop time (from RC): 20:42

Settings Verified? [x] HV OK? [x] 50k OK? [x]

hTRIG1 rate: 2.57e6 — hTRIG3 rate: 5923 — hTRIG4 rate: 3570

hTRIG5 rate: 3938 — hTRIG6 rate: 2348

Data ok [x] Junk [ ]

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments:

Events 8233594 — Charge 35.89 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.592%

Max NPS anode current (single crystal): 2.83 (μA)

Run Number: 3778 — I_{beam}: 7 μA

LH2 10cm [ ] LD2 10cm [x] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl [ ] _____

PS1: — PS2: — PS3: — PS4: — PS5: — PS6: 0

Start time (from RC): 20:45:14 — Stop time (from RC): 21:09:07

Settings Verified? [x] HV OK? [x] 50k OK? [x]

hTRIG1 rate: 2.22e6 — hTRIG3 rate: 4040 — hTRIG4 rate: 2482

hTRIG5 rate: 2314 — hTRIG6 rate: 1353

Data ok [x] Junk [ ]

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments:

Events 1142140 — Charge 9.17m C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.946%

Max NPS anode current (single crystal): 1.79 (μA)

Run Number: 3779 — I_{beam}: 5 μA

LH2 10cm [ ] LD2 10cm [x] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl [ ] _____

PS1: — PS2: — PS3: — PS4: — PS5: — PS6: 0

Start time (from RC): 21:11:40 — Stop time (from RC): 21:54:40

Settings Verified? [x] HV OK? [x] 50k OK? [x]

hTRIG1 rate: 1.83e6 — hTRIG3 rate: 2957 — hTRIG4 rate: 1796

hTRIG5 rate: 1248 — hTRIG6 rate: 757

Data ok [x] Junk [ ]

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments:

Events 1858760 — Charge 12.14m C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.945%

Max NPS anode current (single crystal): 1.56 (μA)

Run Number: 3780 — I_{beam}: 5 μA

LH2 10cm [ ] LD2 10cm [x] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl [ ] _____

PS1: — PS2: — PS3: — PS4: 0 — PS5: — PS6: —

Start time (from RC): 21:56:42 — Stop time (from RC): 22:42:23

Settings Verified? [x] HV OK? [x] 50k OK? [x]

hTRIG1 rate: 1.89e6 — hTRIG3 rate: 2965 — hTRIG4 rate: 1768

hTRIG5 rate: 1282 — hTRIG6 rate: 783

Data ok [x] Junk [ ]

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments:

Events 4385137 — Charge 12.53 C

Active trigger LiveTime fraction (NPS Scaler Gui):

Max NPS anode current (single crystal): 1.5 (μA)

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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: 22/01/22 (yy/mm/dd) Initials: CP

Kinematics: KinC_x 50_2'

Purpose: ☒ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☒ On ☐ Off Size: 2x2

HMS p: ~~+~~06.667 (From GUI) θ(TV): 12.480 (Nearest 0.005)

SHMS θ(TV): 35.450 (Nearest 0.005)

NPS θ = SHMS −16.30° = 19.150 (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y	3H07C X	3H07C Y
1.7 mm Nomin:	0.29 mm Nomin:	0.69 mm Nomin:	0.30 mm Nomin:

Collimator: HMS: ☒ Large ☐ Sieve | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = OFF Amp | NPS Upstream Corr. I = _____ Amp

---

Run Number: 3785 | I_{beam}: 35 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0

Start time (from RC): 04:32 | Stop time (from RC): 05:50

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.36e5 | hTRIG3 rate: 9935.5 | hTRIG4 rate: 9983.0 | hTRIG5 rate: 3887.3 | hTRIG6 rate: 3748.2

☑ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: +20 min due to beam trips

Events: 10.7M | Charge: 102 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 98.91 %

Max NPS anode current (single crystal): 2.28 (μA)

Run Number: 3786 | I_{beam}: 20 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0

Start time (from RC): 05:53 | Stop time (from RC): 6:15

☒ Settings Verified? ☒ HV OK? ☐ 50k OK?

hTRIG1 rate: 4.15e5 | hTRIG3 rate: 9859.5 | hTRIG4 rate: 8227.0 | hTRIG5 rate: 1363.2 | hTRIG6 rate: 1123.2

☑ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 20 min run 1.1.2

Events: 1.4M | Charge: 23.73 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.92 %

Max NPS anode current (single crystal): 1.35 (μA)

Run Number: 3787 | I_{beam}: 10 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0

Start time (from RC): 06:18 | Stop time (from RC): 06:58

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.02e5 | hTRIG3 rate: 4924.2 | hTRIG4 rate: 4142.5 | hTRIG5 rate: 377.5 | hTRIG6 rate: 326.4

☐ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 40 min run 1.1.3

Events: 750K | Charge: 22.92 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.95 %

Max NPS anode current (single crystal): 0.89 (μA)

Run Number: 3788 | I_{beam}: 20 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 7:02 | Stop time (from RC): 7:23

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 4.19e5 | hTRIG3 rate: 9931.7 | hTRIG4 rate: 8071.3 | hTRIG5 rate: 1393.7 | hTRIG6 rate: 1181.3

☑ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: ps4=0 part 1.1.4, 20min

Events: 8M | Charge: ~~19.82~~ 23.68 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 0.0 %

Max NPS anode current (single crystal): 1.22 (μA)

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: ___/___/___ (yy mm dd) Initials: _____

Kinematics: KinC_x 50_2'

Purpose: ☒ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 10.594 GeV

Raster: ☒ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	____ mm Nomin:	____ mm Nomin:
3H07C	____ mm Nomin:	____ mm Nomin:

HMS p: +6.667 From GUI θ(TV): 12.480 Nearest 0.005

SHMS θ(TV): 35.450 Nearest 0.005

NPS θ = SHMS −16.30° 19.150 Nearest 0.005

Collimator: HMS: Large ☐ Sieve ☐ | *NPS Sweep Magnet I = _____ Amp* | *NPS Upstream Corr. I = _____ Amp* | NPS Upstream Corr. I = _____ Amp

---

Run Number: 3789 | I_{beam}: 35 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 2

Start time (from RC): 7:33 Stop time (from RC): 7:34

☒ 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 > 250 kB/s

Events____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3790 | I_{beam}: 35 μA

☒ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 3

Start time (from RC): 7:36 Stop time (from RC): 7:51

☒ Settings Verified? ☒ HV OK? ☐ 50k OK?

hTRIG1 rate: $7.86 \cdot 10^5$ | hTRIG3 rate: 174865 | hTRIG4 rate: 14312.1

hTRIG5 rate: 3950.3 | hTRIG6 rate: 982.6

☒ Data ok ☐ Junk

☐ *coin_sparse* ☒ *coin* ☐ *coin_sparse_low*

Comments: Data Rate ~ 150 kB/s

Events 500 K Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.974 %

Max NPS anode current (single crystal): 185 (μA)

Run Number: 3791 | I_{beam}: 30 μA

☐ LH2 10cm ☐ LD2 10cm ☒ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0

Start time (from RC): 8:21:54 Stop time (from RC): 8:37:28

☒ Settings Verified? ☒ HV OK? ☒ 50k OK?

hTRIG1 rate: 1.2×10^6 | hTRIG3 rate: 14117 | hTRIG4 rate: 10981

hTRIG5 rate: 3468 | hTRIG6 rate: 2836

☒ Data ok ☐ Junk

☒ *coin_sparse* ☐ *coin* ☐ *coin_sparse_low*

Comments: 15 min Data rate ~ 100 kB/s.

Events 2.4 M Charge 25.9 μC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.46 %

Max NPS anode current (single crystal): 2.22 (μA)

Run Number: 3792 | I_{beam}: ____ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.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: Junk data.

Events____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24 / 01 / 22 (yy / mm / dd) Initials: AA

Kinematics: KinC_x 50-2'

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.539 GeV

Raster: ☑ On ☐ Off Size: 2 mm x 2 mm

Beam position and angle on target:

	X	Y
3H07A	1.7 mm (Nomin: 1.7)	0.305 mm (Nomin: 0.3)
3H07C	0.703 mm (Nomin: 0.7)	0.301 mm (Nomin: 0.3)

HMS p: +(-) 6.667 (From GUI) θ(TV): 12.48 (Nearest 0.005)

SHMS θ(TV): 35.45 (Nearest 0.005)

NPS θ = SHMS −16.30°: 19.15 (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

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Run Number: 3793 | I_{beam}: 20 μA | ☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0

Start time (from RC): 15:17:39 | Stop time (from RC): 15:41:13

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 7.07×10^5 | hTRIG3 rate: 9204 | hTRIG4 rate: 7463 | hTRIG5 rate: 1502 | hTRIG6 rate: 1165 | ☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 20 min Data rate ~ 30 MB/sec

Events 1.4M | Charge 24 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.869 % | Max NPS anode current (single crystal): 2.08 (μA)

Run Number: 3794 | I_{beam}: 20 μA | ☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0

Start time (from RC): 16:40 | Stop time (from RC): 16:52

☑ 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 was 200k, lowered to 10nA

Events 3.2M | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui) | Max NPS anode current (single crystal) (μA)

Run Number: 3795 | I_{beam}: 12 μA | ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0

Start time (from RC): 16:54 | Stop time (from RC): 17:20

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.32×10^6 | hTRIG3 rate: 15545 | hTRIG4 rate: 12467 | hTRIG5 rate: 4235 | hTRIG6 rate: 3518 | ☑ Data ok ☐ Junk ?

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: COSY Error at ~1.3M event. There is no end of run

Events 1.3M | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.290 % | Max NPS anode current (single crystal): 1.53 (μA)

Run Number: 3796 | I_{beam}: 12 μA | ☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0

Start time (from RC): 17:23 | Stop time (from RC): 18:23

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.29×10^6 | hTRIG3 rate: 14929 | hTRIG4 rate: 12171 | hTRIG5 rate: 3845 | hTRIG6 rate: 3417 | ☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 11.5M | Charge 39.1 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.207 % | Max NPS anode current (single crystal): 1.33 (μA)

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 06/22/24 (yy/mm/dd) Initials: AA

Kinematics: KinC_x 50-21

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.539 GeV

Raster: ☒ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.718 mm (Nomin:)	0.301 mm (Nomin:)
3H07C	mm (Nomin:)	mm (Nomin:)

HMS p: +6.662 (From GUI) θ(TV): 12.48 (Nearest 0.005)

SHMS θ(TV): 35.45 (Nearest 0.005)

NPS θ = SHMS −16.30° = 19.15 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | *NPS Sweep Magnet* I = _____ Amp | *NPS Upstream Corr.* I = 0 Amp | NPS Upstream Corr. I = 70 Amp

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Run Number: 3797 | I_{beam}: 12 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0

Start time (from RC): 18:24 | Stop time (from RC): 19:2

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.31x10^6 | hTRIG3 rate: 15197 | hTRIG4 rate: 12281

hTRIG5 rate: 4105 | hTRIG6 rate: 3403

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 11.5 | Charge 39.45 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.419 %

Max NPS anode current (single crystal): 1.09 (μA)

Run Number: 3798 | I_{beam}: 12 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0

Start time (from RC): 19:26 | Stop time (from RC): 20:30

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.24x10^6 | hTRIG3 rate: 15429 | hTRIG4 rate: 12549

hTRIG5 rate: 4212 | hTRIG6 rate: 3432

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 12.1M | Charge 41.85 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.392

Max NPS anode current (single crystal): 1.52 (μA)

Run Number: 3799 | I_{beam}: 12 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0

Start time (from RC): 20:31 | Stop time (from RC): 21:31

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.3x10^6 | hTRIG3 rate: 14969 | hTRIG4 rate: 12359

hTRIG5 rate: 4013 | hTRIG6 rate: 3486

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 11.5 | Charge 38.91 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.273 %

Max NPS anode current (single crystal): 1.53 (μA)

Run Number: 3800 | I_{beam}: 10 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0

Start time (from RC): 21:34 | Stop time (from RC): 21:54

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.05x10^6 | hTRIG3 rate: 13049 | hTRIG4 rate: 10949

hTRIG5 rate: 2997 | hTRIG6 rate: 2445

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 2.5M | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui):

Max NPS anode current (single crystal): (μA)

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 22/01/22 (yy/mm/dd) Initials: AA

Kinematics: KinC_x 50-21

Purpose: ☒ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 10538 GeV

Raster: ☒ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A	X: 1,200 mm (Nomin:)	Y: 0.312 mm (Nomin:)
3H07C	X: mm (Nomin:)	Y: mm (Nomin:)

HMS p: +/- 6,667 From GUI θ(TV): 12,48 Nearest 0.005

SHMS θ(TV): 35,45 Nearest 0.005

NPS θ = SHMS −16.30° 19,15 Nearest 0.005

Collimator: HMS: Large ☒ Sieve ☐ | *NPS Sweep Magnet I = _____ Amp* | *NPS Upstream Corr. I = _____ Amp* | NPS Upstream Corr. I = _____ Amp

---

Run Number: 3801 | I_{beam}: 5 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0

Start time (from RC): 21.55 | Stop time (from RC): 22:35

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 4.75x10^5 | hTRIG3 rate: 6803 | hTRIG4 rate: 5213 | hTRIG5 rate: 583 | hTRIG6 rate: 576

☑ Data ok ☐ Junk

☑ *coin_sparse* ☐ *coin* ☐ *coin_sparse_low*

Comments: Very at the end of the run HMS Q1 magnet alarms

Events 1.3M | Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal): (μA)

Run Number: 3802 | I_{beam}: 10 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: 0

Start time (from RC): 23:05 | Stop time (from RC):

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 1.1x10^6 | hTRIG3 rate: 9194 | hTRIG4 rate: 6710 | hTRIG5 rate: | hTRIG6 rate:

☐ Data ok ☒ Junk

☑ *coin_sparse* ☐ *coin* ☐ *coin_sparse_low*

Comments: Junk HMS Q1 magnet tripped off

Events____ | Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal): (μA)

Run Number: 3803 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: 0

Start time (from RC): 00:21 | Stop time (from RC): 00:41

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 11MHz | hTRIG3 rate: 12.6kHz | hTRIG4 rate: 10kHz | hTRIG5 rate: 2.8kHz | hTRIG6 rate: 2.2kHz

☑ Data ok ☐ Junk

☑ *coin_sparse* ☐ *coin* ☐ *coin_sparse_low*

Comments: PS4=PS6=0

Events 7.7M | Charge 11.73 C

Active trigger LiveTime fraction (NPS Scaler Gui): 265%

Max NPS anode current (single crystal): 1.32 (μA)

Run Number: 3804 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 00:44 | Stop time (from RC): 01:00

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.1MHz | hTRIG3 rate: 12.6kHz | hTRIG4 rate: 10kHz | hTRIG5 rate: 2.8kHz | hTRIG6 rate: 2.3kHz

☑ Data ok ☐ Junk

☐ *coin_sparse* ☐ *coin* ☐ *coin_sparse_low*

Comments:

Events____ | Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): 0.00%

Max NPS anode current (single crystal): 1.35 (μA)

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: ___/___/___ (yy / mm / dd) Initials: _____

Kinematics: KinC_x 50_2"

Purpose:
- ☐ Production
- ☐ Test
- ☐ Optics
- ☐ Other: _____

HMS, field, current OK? yes ☐ no ☐

E_{beam}: 10538 GeV

Raster: ☐ On ☐ Off Size: _____

Beam position and angle on target:

3H07A	X ____ mm Nomin:	Y ____ mm Nomin:
3H07C	X ____ mm Nomin:	Y ____ mm Nomin:

HMS: p: +/-_____ (From GUI) θ(TV): _____ (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 = _____ Amp | *NPS Upstream Corr.* I = _____ Amp | NPS Upstream Corr. I = _____ Amp

---

Run Number: 3805 I_{beam}: 12 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: ~~2~~ 1

Start time (from RC): _____ Stop time (from RC): _____

☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

☐ Data ok ☐ Junk

☐ *coin_sparse* ☑ *coin* ☐ *coin_sparse_low*

Comments: Data Rate too high

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 3806 I_{beam}: 12 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 3

Start time (from RC): 1:05 Stop time (from RC): 1:22

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.1 MHz | hTRIG3 rate: 15 kHz | hTRIG4 rate: 12 kHz | hTRIG5 rate: 3.4 kHz | hTRIG6 rate: 2.9 kHz

☑ Data ok ☐ Junk

☐ *coin_sparse* ☑ *coin* ☐ *coin_sparse_low*

Comments:

Events 530k Charge 11nC

Active trigger LiveTime fraction (NPS Scaler Gui): 0%

Max NPS anode current (single crystal): 1.57 (μA)

Run Number: _____ I_{beam}: _____ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.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) (μA)

Run Number: _____ I_{beam}: _____ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.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) (μA)