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

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

Use a separate sheet for each configuration.

Date: 24 / 02 / 18 (yy / mm / dd) Initials: ERK

Kinematics: KinC_x LED RUNS

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

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

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Run Number: 4476

I_{beam}: _____ μA

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

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

Start time (from RC): 22:28

Stop time (from RC): 23:01

☑ 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 coin_vld, Prod HV,

*Events*_____ *Charge*____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 4477

I_{beam}: _____ μA

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

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

Start time (from RC): 23:06

Stop time (from RC): 23:38

☑ 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 coin_vld, LED-HV

*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.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:

*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.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:

*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 / 02 / 18 (yy / mm / dd) **Initials:** ERK

Kinematics: KinC_x60_4a

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☒ On ☐ Off Size: 2 x 2 mm

HMS p: +/- 5.0380 (From GUI) θ(TV): 19.345 (Nearest 0.005)

SHMS θ(TV): 30.378 (Nearest 0.005)

NPS θ = SHMS −16.30° 14.078 (Nearest 0.005)

Beam position and angle on target:

3H07A	X: 1.703 mm (Nomin: 1.7)	Y: 0.301 mm (Nomin: 0.3)	
3H07C	X: 0.702 mm (Nomin: 0.7)	Y: 0.302 mm (Nomin: 0.3)	

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: 4478 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 00:28 | Stop time (from RC): 00:51

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

hTRIG1 rate: 2.36.10^6 | hTRIG3 rate: 1533 | hTRIG4 rate: 981 | hTRIG5 rate: 875 | hTRIG6 rate: 585

☑ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: KinC_x60_4a LD2 20 min run 15μA ps4=0

Events 1.1M | Charge 17.33 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 3.67 (μA)

Run Number: 4479 | I_{beam}: 12 μA

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

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

Start time (from RC): 00:55 | Stop time (from RC): 01:26

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

hTRIG1 rate: 2.12.10^6 | hTRIG3 rate: 1202 | hTRIG4 rate: 797 | hTRIG5 rate: 610 | hTRIG6 rate: 388

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 30 min run at 12 μA.

Events 1.2M | Charge 18.79 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 3.29 (μA)

Run Number: 4480 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 01:28 | Stop time (from RC): 02:10

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

hTRIG1 rate: 1.55.10^6 | hTRIG3 rate: 832 | hTRIG4 rate: 529 | hTRIG5 rate: 304 | hTRIG6 rate: 216

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 40 min run at 8 μA

Events 1.2M | Charge 17.79 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 2.26 (μA)

Run Number: 4482 | I_{beam}: 20 μA

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

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

Start time (from RC): 02:17 | Stop time (from RC): 02:35

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

hTRIG1 rate: 2.58.10^6 | hTRIG3 rate: 2073 | hTRIG4 rate: 1285 | hTRIG5 rate: 1357 | hTRIG6 rate: 862

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: 15 min run at 20 μA, coin ps4=2

Events 343k | Charge 15.75 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 4.83 (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: 24/02/19 (yy/mm/dd) **Initials:** HJ

Kinematics: KinC_x 60_4b

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

HMS, field, current OK? *yes* ☑ *no* ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

	X	Y
3H07A	1.701 mm (Nomin: 1.7)	0.301 mm (Nomin: 0.3)
3H07C	0.698 mm (Nomin: 0.7)	0.296 mm (Nomin: 0.3)

HMS p: +Q 5.0380 (From GUI) θ(TV): 19.35 (Nearest 0.005)

SHMS θ(TV): 33.81 (Nearest 0.005)

NPS θ = SHMS −16.30° 17.51 (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: 4483 | I_{beam}: 40 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): 02:55 | Stop time (from RC): 03:11

☑ Settings Verified? ☑ HV OK? ☐ 50k OK? NO

hTRIG1 rate: $1.27 \cdot 10^6$ | hTRIG3 rate: 1535 | hTRIG4 rate: 1038 | hTRIG5 rate: 438 | hTRIG6 rate: 333

☐ Data ok ☑ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: ~~KinC_x60_4b LH2~~ 1st of four 1hour runs. Rebooted all NPS crates.

Events 750k | Charge 27.96 mC

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

Max NPS anode current (single crystal): 3.38 (μA)

Run Number: 4484 | I_{beam}: 40 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): 03:30 | Stop time (from RC): 04:33

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

hTRIG1 rate: $1.28 \cdot 10^6$ | hTRIG3 rate: 1532 | hTRIG4 rate: 1010 | hTRIG5 rate: 458 | hTRIG6 rate: 320

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 1st of four 1hour runs

Events 3.4M | Charge 129 mC

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

Max NPS anode current (single crystal): 3.29 (μA)

Run Number: 4485 | I_{beam}: 40 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): 04:35 | Stop time (from RC): 05:41

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

hTRIG1 rate: $1.26 \cdot 10^6$ | hTRIG3 rate: 1513 | hTRIG4 rate: 1053 | hTRIG5 rate: 480 | hTRIG6 rate: 341

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 2nd of four 1hour runs

Events 3.2M | Charge 120 mC

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

Max NPS anode current (single crystal): 3.35 (μA)

Run Number: 4486 | I_{beam}: 40 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): 05:42 | Stop time (from RC): 05:47

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

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

☐ Data ok ☑ Junk

coin_sparse ☑ *in* ☐ *oin_sparse_low* ☐

Comments: Junk. (No beam for a while)

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 / 04 / 19 (yy / mm / dd) Initials: HS

Kinematics: KinC_x 60-4b

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

	X	Y
3H07A	1.702 mm (Nomin: 1.7)	0.301 mm (Nomin: 0.3)
3H07C	0.702 mm (Nomin: 0.7)	0.303 mm (Nomin: 0.3)

HMS p: 05.0380 (From GUI) θ(TV): 19.33 (Nearest 0.005)

SHMS θ(TV): 33.81 (Nearest 0.005)

NPS θ = SHMS −16.30° 17.51 (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: 4487 | I_{beam}: 40 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): 05:51 | Stop time (from RC): 06:25

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

hTRIG1 rate 1.27.10^6 | hTRIG3 rate 1525 | hTRIG4 rate 1047 | hTRIG5 rate 455 | hTRIG6 rate 341

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Ended the run early because beam will be off for ~20 minutes.

Events 1.4M | Charge 53.0 mC

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

Max NPS anode current (single crystal): 3.24 (μA)

Run Number: 4488 | I_{beam}: 40 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): 06:45 | Stop time (from RC): 07:46

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

hTRIG1 rate 1.28.10^6 | hTRIG3 rate 1550 | hTRIG4 rate 1025 | hTRIG5 rate 472 | hTRIG6 rate 336

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3rd of four 1hour runs.

Events 3.0M | Charge 114 mC

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

Max NPS anode current (single crystal): 3.19 (μA)

Run Number: 4489 | I_{beam}: 40 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): 07:48 | Stop time (from RC): 8:49

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

hTRIG1 rate 1.27.10^6 | hTRIG3 rate 1519 | hTRIG4 rate 1006 | hTRIG5 rate 455 | hTRIG6 rate 338

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4th of four 1hour runs.

Events 3.3M | Charge 126.62 mC

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

Max NPS anode current (single crystal): 3.06 (μA)

Run Number: 4490 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 08:52 | Stop time (from RC): 09:15

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

hTRIG1 rate 9.02.10^5 | hTRIG3 rate 1139.7 | hTRIG4 rate 806.0 | hTRIG5 rate 293.1 | hTRIG6 rate 191.1

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 20 min run at 30 μA

Events 780K | Charge 28 mC

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 / 02 / 19 (yy / mm / dd) Initials: CM

Kinematics: KinC_x 60_4b

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 mm

HMS p: +5.038 (From GUI) θ(TV): 19.35 (Nearest 0.005)

SHMS θ(TV): 33.81 (Nearest 0.005)

NPS θ = SHMS −16.30° = 17.51 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.701 mm	0.310 mm
Nomin:		Nomin:
3H07C	X	Y
	0.702 mm	0.301 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: 4491 | I_{beam}: 20 μA

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

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

Start time (from RC): 09:19 Stop time (from RC): _____

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

hTRIG1 rate: 5.64 e5 hTRIG3 rate: 784.9 hTRIG4 rate: 559.7

hTRIG5 rate: 145.4 hTRIG6 rate: 113.8

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 30-min run at 20 μA

Events 760K Charge 21 mC Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % Max NPS anode current (single crystal): 2.07 (μA)

Run Number: 4492 | I_{beam}: 10 μA

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

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

Start time (from RC): 09:53 Stop time (from RC): 10:34

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

hTRIG1 rate: 2.48 e5 hTRIG3 rate: 46.8 hTRIG4 rate: 292.X

hTRIG5 rate: 73.9 hTRIG6 rate: 58.7

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 40-min run at 10 μA

Events 651K Charge 21 mC Active trigger LiveTime fraction (NPS Scaler Gui): 100 % Max NPS anode current (single crystal): 2.08 (μA)

Run Number: 4493 | I_{beam}: 40 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: -1

Start time (from RC): 10:42 Stop time (from RC): 10:59

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

hTRIG1 rate: 1.26e6 hTRIG3 rate: 1538.3 hTRIG4 rate: 1036.6

hTRIG5 rate: 464.9 hTRIG6 rate: 337.4

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: 15-min run at 40 μA

Events 455K Charge 34 mC Active trigger LiveTime fraction (NPS Scaler Gui): 100 % Max NPS anode current (single crystal): 2.96 (μA)

Run Number: 4494 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 11:10 Stop time (from RC): 11:31

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

hTRIG1 rate: 1.05e6 hTRIG3 rate: 1246.3 hTRIG4 rate: 725.1

hTRIG5 rate: 292.8 hTRIG6 rate: 199.4

☑ Data ok ☐ Junk

☑ coin_sparse ☐ in ☐ coin_sparse_low

Comments: 20-min run at 30 μA, dummy target

Events 650K Charge 25 mC Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % Max NPS anode current (single crystal): 3.79 (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 / 02 / 19 (yy / mm / dd) Initials: CH

Kinematics: KinC_x 60_4b

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2 X 2 mm

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.701 mm	0.302 mm	0.700 mm	0.301 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS: p: +~~5~~ 5.038 From GUI; θ(TV): 19.35 Nearest 0.005

SHMS: θ(TV): 33.81 Nearest 0.005

NPS: θ = SHMS −16.30° = 17.51 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: 4495

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): 11:33

Stop time (from RC): 11:54

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

hTRIG1 rate: 6.3e5 hTRIG3 rate: 836.6 hTRIG4 rate: 501.0

hTRIG5 rate: 145.6 hTRIG6 rate: 104.3

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 20 min run at 20 μA

Events 523K Charge 20mC

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

Max NPS anode current (single crystal): 3.01 (μA)

Run Number: 4496

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): 12:11

Stop time (from RC): 13:13

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

hTRIG1 rate: 1.83e6 hTRIG3 rate: 2074.7 hTRIG4 rate: 1301.7

hTRIG5 rate: 865.3 hTRIG6 rate: 564.8

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1st run of 8 1-hour runs

Events 4.2M Charge 64mC

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

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

Run Number: 4497

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): 13:15

Stop time (from RC): 13:22

☑ 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 Short run (stopped)

Events 221K Charge 3.1mC

Active trigger LiveTime fraction (NPS Scaler Gui): _____

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

Run Number: 4498

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): 14:21

Stop time (from RC): 14:52

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

hTRIG1 rate: 1.85e6 hTRIG3 rate: 2009.9 hTRIG4 rate: 1298.0

hTRIG5 rate: 852.2 hTRIG6 rate: 556.8

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 30-min run for checking

Events 2M Charge 31mC

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

Max NPS anode current (single crystal): 2.92 (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 / 02 / 19 (yy / mm / dd) Initials: CH

Kinematics: KinC_x60-46

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.539 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 mm

HMS p: +/- 5.038 (From GUI) θ(TV): 19.35 (Nearest 0.005)

SHMS θ(TV): 33.81 (Nearest 0.005)

NPS θ = SHMS −16.30° = 17.51 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.703 mm	0.308 mm
Nomin:		

3H07C	X	Y
	0.701 mm	0.301 mm
Nomin:		

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = 6 Amp | NPS Upstream Corr. I = 6 Amp

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Run Number: 4499 | I_{beam}: 20 μA

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

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

Start time (from RC): 14:54 | Stop time (from RC): 15:59

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

hTRIG1 rate: 1.86 e6 | hTRIG3 rate: 2083.1 | hTRIG4 rate: 1312.0 | hTRIG5 rate: 880.6 | hTRIG6 rate: 555.5

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2nd run of 8 1hour runs

Events 3.9M | Charge 58mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 3.01 (μA)

Run Number: 4500 | I_{beam}: 20 μA

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

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

Start time (from RC): 16:02 | Stop time (from RC): 17:02

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

hTRIG1 rate: 1.86 e6 | hTRIG3 rate: 2097 | hTRIG4 rate: 1275 | hTRIG5 rate: 802 | hTRIG6 rate: 566

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3rd of 8 1hrs. LD2

Events 2.95M | Charge 43.2mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 2.85 (μA)

Run Number: 4501 | I_{beam}: 20 μA

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

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

Start time (from RC): 17:05 | Stop time (from RC): 18:05

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

hTRIG1 rate: 1.87e6 | hTRIG3 rate: 1990 | hTRIG4 rate: 1279 | hTRIG5 rate: 819 | hTRIG6 rate: 584

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4th of 8, 1hr. LD2

Events 4.08M | Charge 60.9mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 2.92 (μA)

Run Number: 4502 | I_{beam}: 20 μA

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

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

Start time (from RC): 18:06 | Stop time (from RC): 19:06

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

hTRIG1 rate: 1.85 e6 | hTRIG3 rate: 2073 | hTRIG4 rate: 1284 | hTRIG5 rate: 837 | hTRIG6 rate: 544

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5th of 8, 1hr. LD2

Events 4.33M | Charge 65.5mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 2.66 (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 / 02 / 19 (yy / mm / dd) Initials: RMM

Kinematics: KinC_x6046

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:

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

HMS: p: +6.038 From GUI; θ(TV): 19.35 Nearest 0.005

SHMS: θ(TV): 33.81 Nearest 0.005

NPS: θ = SHMS −16.30° = 17.51 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: 4503 | I_{beam}: 20 μA

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

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

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

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

hTRIG1 rate: 1.83e6 | hTRIG3 rate: 2049 | hTRIG4 rate: 1290 | hTRIG5 rate: 906 | hTRIG6 rate: 553

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6th of 8, 1hr. LD_2

Events 4.05M | Charge 60.7 mC

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

Max NPS anode current (single crystal): 3.05 (μA)

Run Number: 4504 | I_{beam}: 20 μA

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

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

Start time (from RC): 20:08 | Stop time (from RC): 21:08

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

hTRIG1 rate: 1.81e6 | hTRIG3 rate: 2053 | hTRIG4 rate: 1222 | hTRIG5 rate: 804 | hTRIG6 rate: 562

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7th of 8, 1hr. LD_2

Events 4.22M | Charge 63.7 mC

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

Max NPS anode current (single crystal): 3.06 (μA)

Run Number: 4505 | I_{beam}: 20 μA

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

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

Start time (from RC): 21:09 | Stop time (from RC):

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

hTRIG1 rate: 1.83e6 | hTRIG3 rate: 2051 | hTRIG4 rate: 1300 | hTRIG5 rate: 848 | hTRIG6 rate: 548

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8th of 8, 1hr. LD_2

Events 3.98M | Charge 60 mC

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

Max NPS anode current (single crystal): 2.90 (μA)

Run Number: 4506 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 22:09 | Stop time (from RC): 22:30

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

hTRIG1 rate: 1.36e6 | hTRIG3 rate: 1480 | hTRIG4 rate: 961 | hTRIG5 rate: 468 | hTRIG6 rate: 324

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 1.07M | Charge 16 mC

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

Max NPS anode current (single crystal): 2.37 (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: 24/02/19 (yy/mm/dd) Initials: RMM

Kinematics: KinC_x 6046

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.539 GeV

Raster: ☑ On ☐ Off Size: 2×2 mm

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: +5.038 (From GUI) θ(TV): 19.35 (Nearest 0.005)

SHMS: θ(TV): 33.81 (Nearest 0.005)

NPS: θ = SHMS −16.30° 17.51 (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: 4507 | I_{beam}: 12 μA

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

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

Start time (from RC): 22:31 | Stop time (from RC): 23:04

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

hTRIG1 rate: 1.12e6 | hTRIG3 rate: 1242 | hTRIG4 rate: 834 | hTRIG5 rate: 340 | hTRIG6 rate: 236

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 1.4M Charge 20.8 nC

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

Max NPS anode current (single crystal): 2.08 (μA)

Run Number: 4508 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 23:06 | Stop time (from RC): 23:49

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

hTRIG1 rate: 7.01e5 | hTRIG3 rate: 844 | hTRIG4 rate: 551 | hTRIG5 rate: 173 | hTRIG6 rate: 132

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 1.26M Charge 18.2 C

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

Max NPS anode current (single crystal): 1.91 (μA)

Run Number: 4509 | I_{beam}: 20 μA

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

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

Start time (from RC): 23:51 | Stop time (from RC): 00:08

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

hTRIG1 rate: 1.82e6 | hTRIG3 rate: 2033 | hTRIG4 rate: 1287 | hTRIG5 rate: 848 | hTRIG6 rate: 567

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: 15 min run at 20μA

Events 296k Charge 13.28 mC

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

Max NPS anode current (single crystal): 2.55 (μA)

Run Number: 4510 | I_{beam}: 40 μA

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

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

Start time (from RC): 00:28 | Stop time (from RC): 01:29

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

hTRIG1 rate: 2.21.10^6 | hTRIG3 rate: 1561 | hTRIG4 rate: 1032 | hTRIG5 rate: 785 | hTRIG6 rate: 593

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: KinC_x60_40a LH2 1st of four 1-hour runs

Events 3.1M Charge 115.86 mC

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

Max NPS anode current (single crystal): 5.20 (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 / 04 / 20 (yy / mm / dd) Initials: HJ

Kinematics: KinC_x 60_40

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 mm

HMS p: +5.0380 (From GUI) θ(TV): 19.35 (Nearest 0.005)

SHMS θ(TV): 30.37 (Nearest 0.005)

NPS θ = SHMS −16.30° 14.07 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.701 mm (Nomin: 1.7)	0.299 mm (Nomin: 0.3)
3H07C	0.702 mm (Nomin: 0.7)	0.301 mm (Nomin: 0.3)

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: 4511 | I_{beam}: 40 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): 01:34 | Stop time (from RC): 02:45

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

hTRIG1 rate: $2.20 \cdot 10^6$ | hTRIG3 rate: 1545 | hTRIG4 rate: 1039 | hTRIG5 rate: 824 | hTRIG6 rate: 587

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2nd of four 1-hour runs

Events 2.9 M | Charge 109 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 5.16 (μA)

Run Number: 4512 | I_{beam}: 40 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): 02:47 | Stop time (from RC): 03:49

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

hTRIG1 rate: $2.20 \cdot 10^6$ | hTRIG3 rate: 1514 | hTRIG4 rate: 1054 | hTRIG5 rate: 805 | hTRIG6 rate: 585

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3rd of four 1-hour runs

Events 3.3 M | Charge 128.44 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 5.11 (μA)

Run Number: 4413 | I_{beam}: 40 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): 03:50 | Stop time (from RC):

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

hTRIG1 rate: $2.22 \cdot 10^6$ | hTRIG3 rate: 1532 | hTRIG4 rate: 1021 | hTRIG5 rate: 769 | hTRIG6 rate: 555

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4th of four 1-hour runs

Events 3.5 M | Charge 130.74 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 5.04 (μA)

Run Number: 4514 | 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: 0 PS5: −1 PS6: −1

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

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

hTRIG1 rate: $1.78 \cdot 10^6$ | hTRIG3 rate: 1129 | hTRIG4 rate: 768 | hTRIG5 rate: 476 | hTRIG6 rate: 344

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 20 min run at 30 μA

Events 903k | Charge 33.17 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 3.86 (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 / 02 / 20 (yy / mm / dd) Initials: HJ

Kinematics: KinC_x 60_4a

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2mm

HMS p: +(-)5.0380 From GUI θ(TV): 19.35 Nearest 0.005

SHMS θ(TV): 30.37 Nearest 0.005

NPS θ = SHMS −16.30° 14.07 Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	1.704 mm	0.304 mm
	Nomin: 1.7	Nomin: 0.3
3H07C	X	Y
	0.703 mm	0.300 mm
	Nomin: 0.7	Nomin: 0.3

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: 4515 | 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): 05:29 | Stop time (from RC): 06:00

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

hTRIG1 rate: 1.25.10^6 | hTRIG3 rate: 825 | hTRIG4 rate: 550 | hTRIG5 rate: 258 | hTRIG6 rate: 176

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 30-min run at 20 μA.

Events 832k | Charge 29.27 mC

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

Max NPS anode current (single crystal): 2.88 (μA)

Run Number: 4516 | 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): 06:03 | Stop time (from RC): 06:43

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

hTRIG1 rate: 5.80.10^5 | hTRIG3 rate: 413 | hTRIG4 rate: 287 | hTRIG5 rate: 97 | hTRIG6 rate: 82

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 40-min run at 10 μA.

Events 644k | Charge 21.22 mC

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

Max NPS anode current (single crystal): 2.10 (μA)

Run Number: 4517 | I_{beam}: 40 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: -1

Start time (from RC): 06:48 | Stop time (from RC): 07:01

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

hTRIG1 rate: 2.20.10^6 | hTRIG3 rate: 1546 | hTRIG4 rate: 1035 | hTRIG5 rate: 792 | hTRIG6 rate: 553

Data ok ☑ | Junk ☐

coin_sparse ☐ | coin ☑ | coin_sparse_low ☐

Comments: 15-min run at 40 μA, coin.

Events 314k | Charge 23.50 mC

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

Max NPS anode current (single crystal): 5.21 (μA)

stopped early because beam is off for maintenance.

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)

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

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

Use a separate sheet for each configuration.

Date: 24/02/21 (yy/mm/dd) Initials: HJ

Kinematics: KinC_x 60_40

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 mm

Beam position and angle on target:

	X	Y
3H07A	1.700 mm (Nomin: 1.7)	0.305 mm (Nomin: 0.3)
3H07C	0.699 mm (Nomin: 0.7)	0.299 mm (Nomin: 0.3)

HMS
p: +(-)5.0380 (From GUI) θ(TV): 19.35 (Nearest 0.005)

SHMS
θ(TV): 30.37 (Nearest 0.005)

NPS
θ = SHMS −16.30°: 14.07 (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: 4534
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): 04:12
Stop time (from RC): —
☑ Settings Verified? ☑ HV OK? ☐ 50k OK?
hTRIG1 rate: N/A hTRIG3 rate: N/A hTRIG4 rate: N/A
hTRIG5 rate: N/A hTRIG6 rate: N/A
☐ Data ok ☑ Junk
coin_sparse ☑ coin ☐ coin_sparse_low ☐
Comments: DAQ not working properly. Restarted the Run Control GUI. (killCoin/startCoin). Fixed it!
Events _____ Charge _____ C
Active trigger LiveTime fraction (NPS Scaler Gui):
Max NPS anode current (single crystal): (μA)

Run Number: 4536
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): 05:01
Stop time (from RC): —
☑ Settings Verified? ☑ HV OK? ☒ NO 50k OK?
hTRIG1 rate: $6.40.10^5$ hTRIG3 rate: 420 hTRIG4 rate: 293
hTRIG5 rate: 100 hTRIG6 rate: 84
☐ Data ok ☑ Junk ?
coin_sparse ☑ coin ☐ coin_sparse_low ☐
Comments: 40-min run at 10 μA. Bad charge asymmetry!
Events 594k Charge 19.97 mC
Active trigger LiveTime fraction (NPS Scaler Gui): 100%
Max NPS anode current (single crystal): 1.64 (μA)

Run Number: 4537
I_{beam}: 40 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): 06:19
Stop time (from RC): 06:36
☑ Settings Verified? ☑ HV OK? ☒ NO 50k OK?
hTRIG1 rate: $2.22.10^6$ hTRIG3 rate: 1509 hTRIG4 rate: 1038
hTRIG5 rate: 847 hTRIG6 rate: 573
☐ Data ok ☑ Junk ?
coin_sparse ☐ coin ☑ coin_sparse_low ☐
Comments: 15-min run at 40 μA coin, ps4 = 1
Events 384k Charge 29 mC
Active trigger LiveTime fraction (NPS Scaler Gui): 100%
Max NPS anode current (single crystal): 5.23 (μA)

Charge asymmetry still BAD.

Run Number: 4538
I_{beam}: 40 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): 07:11
Stop time (from RC): 07:39
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate: $2.20.10^6$ hTRIG3 rate: 1532 hTRIG4 rate: 1028
hTRIG5 rate: 835 hTRIG6 rate: 560
☑ Data ok ☐ Junk
coin_sparse ☐ coin ☑ coin_sparse_low ☐
Comments: 15-min run at 40 μA Charge asymmetry now ok
Events 348k Charge 24.48 mC
Active trigger LiveTime fraction (NPS Scaler Gui): 100%
Max NPS anode current (single crystal): 5.16 (μA)

after flipper script executed a 2nd time.

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

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

Use a separate sheet for each configuration.

Date: 24 / 02 / 21 (yy / mm / dd) Initials: HJ/SCD

Kinematics: KinC_x60_4a

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 mm

HMS p: +/- 5.0380 (From GUI) θ(TV): 19.35 (Nearest 0.005)

SHMS θ(TV): 30.37 (Nearest 0.005)

NPS θ = SHMS −16.30° 14.07 (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y
1.700 mm (Nomin: 1.7)	0.298 mm (Nomin: 0.3)
3H07C X	**3H07C Y**
0.703 mm (Nomin: 0.7)	0.296 mm (Nomin: 0.3)

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

---

Run Number: 4539 | 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): 07:47 | Stop time (from RC): 8:28:10

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

hTRIG1 rate: 6.00.10^5 | hTRIG3 rate: 401 | hTRIG4 rate: 288 | hTRIG5 rate: 103 | hTRIG6 rate: 75

☒ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Re-doing the 40 min run at 10μA

Events: 683K | Charge: 218 uC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 1.76 (μA)

Run Number: 4540 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 8:37:09 | Stop time (from RC): 9:00:35

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

hTRIG1 rate: 2e6 | hTRIG3 rate: 1237 | hTRIG4 rate: 716 | hTRIG5 rate: 583 | hTRIG6 rate: 366

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: ~40 MB/s dog

Events: 895K | Charge: 36 uC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 7.48 (μA)

Run Number: 4541 | 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): 9:01:55 | Stop time (from RC): 9:16:27

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

hTRIG1 rate: 1.38e6 | hTRIG3 rate: 854 | hTRIG4 rate: 484 | hTRIG5 rate: 280 | hTRIG6 rate: 172

☐ Data ok ☒ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Junk / VME 2 reasons

Events: 396K | Charge: ____C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.8 | Max NPS anode current (single crystal): 5.03 (μA)

Run Number: 4542 | 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): 9:23:47 | Stop time (from RC): 9:32:49

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

hTRIG1 rate: 1.38e6 | hTRIG3 rate: 826 | hTRIG4 rate: 499 | hTRIG5 rate: 275 | hTRIG6 rate: 177

☐ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10 min run

Events: 257K | Charge: 10 uC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 59 (μA)

Due 12/24

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 / 2 / 21 (yy / mm / dd)   Initials: SCD

Kinematics: KinC_x 60-4a

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^2

Beam position and angle on target:

	X	Y
3H07A	1.7 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.701 mm (Nomin:)	0.3 mm (Nomin:)

HMS	SHMS	NPS
p: +/- 5.038 (From GUI); θ(TV): 19.55 (Nearest 0.005)	θ(TV): 30.37 (Nearest 0.005)	θ = SHMS −16.30°: 14.07 (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	I$_{beam}$	Target	PS1–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	Events	Charge	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)	Comments
4543	30 μA	Dummy 10cm	-1, -1, -1, 0, -1, -1	10:21:24	10:36:10	[x]	[x]	[x]	2.07e6	1217	705	590	356	Data ok [x]	coin_sparse [x]	433K	16.8 mC	100	59	turbo 12H/24V reads 59μA
4544	20 μA	LD2 10cm	-1, -1, -1, 0, -1, -1	10:46:36	11:54:32	[x]	[x]	[x]	2.55e6	1981	~~735~~ 1293	1337	889	[ ] / [ ]	coin_sparse [x]	4.2M	63mC	100	4	1/8
4545	20 μA	LD2 10cm	-1, -1, -1, 0, -1, -1	11:55:19	12:56:04	[x]	[x]	[x]	2.5e6	2010	1281	1321	839	Data ok [x]	coin_sparse [x]	4.4M	66.5mC	100	4	2/8
4546	20 μA	LD2 10cm	-1, ~~-1~~ -1, -1, 0, ~~-1~~ -1, ~~0~~ -1	12:56:04	13:58:52	[x]	[x]	[x]	2.54e6	2046	1280	1296	823	Data ok [x]	coin_sparse [x]	4.0M	60mC	100	4	~~3/8~~ 3/4 Change in plan, out 8, 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: 24 / 2 / 21 (yy / mm / dd) Initials: SCD

Kinematics: KinC_x Go-4a

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 10.538 GeV

Raster: ☒ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

3H07A	X	Y	
1.700 mm		0.248 mm	
Nomin:		Nomin:	
3H07C	X	Y	
0.696 mm		0.285 mm	
Nomin:		Nomin:	

HMS

p: +(-) 5.038 (From GUI) θ(TV): 19.35 (Nearest 0.005)

SHMS

θ(TV): 30.17 (Nearest 0.005)

NPS

θ = SHMS −16.30° 14.07 (Nearest 0.005)

Collimator: HMS: Large ☒ Sieve ☐ | NPS Sweep Magnet I = 668 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 4547

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): 14:02:25

Stop time (from RC): 15:09:59

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

hTRIG1 rate: 2.5e6 hTRIG3 rate: 2046 hTRIG4 rate: 1279

hTRIG5 rate: 1316 hTRIG6 rate: 839

☐ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: 4/4

Events 4.0M Charge 60.8 μC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9

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

Run Number: 4548

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): 11:11:31

Stop time (from RC): 15:36:54

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

hTRIG1 rate: 2.29e6 hTRIG3 rate: 1500 hTRIG4 rate: 971

hTRIG5 rate: 835 hTRIG6 rate: 540

☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 1.1M Charge 17 μC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9

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

Run Number: 4549

I_{beam}: 8 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): 15:39:00

Stop time (from RC): 16:22:03

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

hTRIG1 rate: 1.45e6 hTRIG3 rate: 804 hTRIG4 rate: 529

hTRIG5 rate: 282 hTRIG6 rate: 202

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 1.3M Charge 19.9 μC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.99

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

Run Number: 4550

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: 2 PS5: -1 PS6: -1

Start time (from RC): 16:25:13

Stop time (from RC): 16:42:06

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

hTRIG1 rate: 2.53 MHz hTRIG3 rate: 20 kHz hTRIG4 rate: 13 KHz

hTRIG5 rate: 1.3 kHz hTRIG6 rate: 830 Hz

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments:

Events 425k Charge 4.28 μC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.993 %

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: 24 / 02 / 21 (yy / mm / dd) Initials: MM

Kinematics: KinC_x Q0-4b

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 10.538 GeV

Raster: [x] On [ ] Off
Size: 2mm x 2mm

HMS
p: +5.038 (From GUI) θ(TV): 14.345 (Nearest 0.005)

SHMS 33.810
θ(TV): [illegible] (Nearest 0.005)

NPS 17.510
θ = SHMS −16.30° [illegible] (Nearest 0.005)

Beam position and angle on target:

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

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: 4551

I_{beam}: 40 μA

[x] 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): 16:59:01

Stop time (from RC): 18:06:36

[x] Settings Verified?
[x] HV OK?
[x] 50k OK?

hTRIG1 rate: 1.2MHz
hTRIG3 rate: 1.5kHz
hTRIG4 rate: 1.0kHz
hTRIG5 rate: 390Hz
hTRIG6 rate: 300Hz

[x] Data ok
[ ] Junk

[x] coin_sparse
[ ] coin
[ ] coin_sparse_low

Comments: 1/2 1 hr

Events 3.4M
Charge 123.5mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.957%

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

Run Number: 4552

I_{beam}: 40 μA

[x] 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): 18:07:36

Stop time (from RC):

[x] Settings Verified?
[x] HV OK?
[ ] 50k OK?

hTRIG1 rate: 1.2MHz
hTRIG3 rate: 1.5kHz
hTRIG4 rate: 1.0kHz
hTRIG5 rate: 420Hz
hTRIG6 rate: 300Hz

[ ] Data ok
[x] Junk

[x] coin_sparse
[ ] coin
[ ] coin_sparse_low

Comments: 2/2 NPS Crate 2 dropped out Junk

Events _____
Charge _____C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.945%

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

Run Number: 4553

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
[x] 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: 4554

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
[x] 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)

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

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

Use a separate sheet for each configuration.

Date: 24 / 02 / 21 (yy / mm / dd) Initials: MH

Kinematics: KinC_x 60-46

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2mm x 2mm

Beam position and angle on target:

	X	Y
3H07A	1.70 mm (Nomin: 1.70)	0.32 mm (Nomin: 0.30)
3H07C	0.70 mm (Nomin: 0.70)	0.31 mm (Nomin: 0.30)

HMS

p: +5.038 (From GUI) θ(TV): 14.345 (Nearest 0.005)

SHMS

θ(TV): 33.810 (Nearest 0.005)

NPS

θ = SHMS −16.30° = 17.510 (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: 4555 | I_{beam}: 40 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): 18:36:31 | Stop time (from RC): 19:46:48

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

hTRIG1 rate: 1.2 MHz | hTRIG3 rate: 1.5kHz | hTRIG4 rate: 1.0kHz | hTRIG5 rate: 410Hz | hTRIG6 rate: 310Hz

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/2 1 hr

Events 3.1M | Charge 114.8 mC

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

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

Run Number: 4556 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 19:48:54 | Stop time (from RC): 20:09:56

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

hTRIG1 rate: 850 kHz | hTRIG3 rate: 1.1kHz | hTRIG4 rate: 800Hz | hTRIG5 rate: 290 Hz | hTRIG6 rate: 200Hz

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 20 min

Events 912k | Charge 52.48 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.90%

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

Run Number: 4557 | 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): 20:12:24 | Stop time (from RC): 20:55:51

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

hTRIG1 rate: 230 kHz | hTRIG3 rate: 400Hz | hTRIG4 rate: 280Hz | hTRIG5 rate: 75Hz | hTRIG6 rate: 65Hz

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 40 min

Events 688k | Charge 22.66 mC

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

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

Run Number: 4558 | I_{beam}: 40 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): 21:00:49 | Stop time (from RC): 21:16:54

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

hTRIG1 rate: 1.2 MHz | hTRIG3 rate: 15kHz | hTRIG4 rate: 1.0kHz | hTRIG5 rate: 440Hz | hTRIG6 rate: 310 Hz

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: 15 min

Events 441k | Charge 33.32 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.979%

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: 24 / 02 / 21 (yy / mm / dd) Initials: MM

Kinematics: KinC_x 6.4b

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2mm x 2mm

Beam position and angle on target:

	X	Y
3H07A	1.70 mm (Nomin: 1.70)	0.30 mm (Nomin: 0.30)
3H07C	0.69 mm (Nomin: 0.70)	0.30 mm (Nomin: 0.30)

HMS

p: +/- 5.038 (From GUI) θ(TV): 19.345 (Nearest 0.005)

SHMS

θ(TV): 33.810 (Nearest 0.005)

NPS

θ = SHMS −16.30° 17.510 (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: 4559

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: 0 PS5: -1 PS6: -1

Start time (from RC): 21:32:58

Stop time (from RC): 21:52:19

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

hTRIG1 rate: 990 kHz | hTRIG3 rate: 1.3 kHz | hTRIG4 rate: 700 Hz

hTRIG5 rate: 280 Hz | hTRIG6 rate: 190 Hz

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 20 min

Events 759k Charge 3046 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.186 %

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

Run Number: 4560

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): 21:54:08

Stop time (from RC): 22:15:00

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

hTRIG1 rate: 590 kHz | hTRIG3 rate: 850 Hz | hTRIG4 rate: 500 Hz

hTRIG5 rate: 140 Hz | hTRIG6 rate: 100 Hz

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 20 min

Events 573k Charge 22.44 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.948 %

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

Run Number: 4561

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): 22:23:50

Stop time (from RC): 23:28:36

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

hTRIG1 rate: 1.8 MHz | hTRIG3 rate: 2.0 kHz | hTRIG4 rate: 1.3 kHz

hTRIG5 rate: 840 Hz | hTRIG6 rate: 540 Hz

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/4 1 hr

Events 4.6M Charge 28.14 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.875 %

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

Run Number: 4562

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): 23:29:39

Stop time (from RC): 00:30

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

hTRIG1 rate: 1.8 MHz | hTRIG3 rate: 2.0 kHz | hTRIG4 rate: 1.2 kHz

hTRIG5 rate: 780 Hz | hTRIG6 rate: 510 Hz

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/4 1 hr

Events 4.3M Charge 65.33 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.924 %

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: 24/02/22 (yy/mm/dd) Initials: HJ

Kinematics: KinC_x 60_4b

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

HMS p: +θ 5.0380 (From GUI) θ(TV): 19.35 (Nearest 0.005)

SHMS θ(TV): 33.81 (Nearest 0.005)

NPS θ = SHMS −16.30° 17.51 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.701 mm	0.306 mm
Nomin:	1.7	0.3

3H07C	X	Y
	0.701 mm	0.298 mm
Nomin:	0.7	0.3

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: 4563

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): 00:34

Stop time (from RC): 01:35

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

hTRIG1 rate 1.75.10^6 | hTRIG3 rate 2023 | hTRIG4 rate 1287

hTRIG5 rate 784 | hTRIG6 rate 526

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3rd of four 1hour runs at 20μA

Events 4.3M Charge 65.63 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 99.9%

Max NPS anode current (single crystal) 60 (μA)

Run Number: 4564

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): 01:40

Stop time (from RC): 02:35

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

hTRIG1 rate 1.76.10^6 | hTRIG3 rate 2001 | hTRIG4 rate 1299

hTRIG5 rate 817 | hTRIG6 rate 517

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4th of four 1 hour runs | Ended a bit early because beam is off for a while (MCC called)

Events 3.8M Charge 57.71 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 99.9%

Max NPS anode current (single crystal) 60 (μA)

Run Number: 4565

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): 02:47

Stop time (from RC): 03:11

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

hTRIG1 rate 1.35.10^6 | hTRIG3 rate 1541 | hTRIG4 rate 962

hTRIG5 rate 455 | hTRIG6 rate 322

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 20 min run at 15 μA.

Events 1.2M Charge 18.33 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 99.9%

Max NPS anode current (single crystal) 59 (μA)

Run Number: 4566

I_{beam}: 8 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): 03:15

Stop time (from RC): 03:58

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

hTRIG1 rate 6.65.10^5 | hTRIG3 rate 826 | hTRIG4 rate 521

hTRIG5 rate 174 | hTRIG6 rate 126

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 40 min run at 8 μA

Events 1.1M Charge 16.57 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 59 (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: 24/02/22 (yy/mm/dd) Initials: HS

Kinematics: KinC_x 60_4b

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2mm

Beam position and angle on target:

3H07A	X	Y
	1.702 mm	0.296 mm
Nomin:	1.7	0.3
3H07C	X	Y
	0.700 mm	0.306 mm
Nomin:	0.7	0.3

HMS: p: +(-)5.0380 (From GUI) θ(TV): 19.35 (Nearest 0.005)

SHMS: θ(TV): 33.81 (Nearest 0.005)

NPS: θ = SHMS −16.30° 17.51 (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: 4568 | 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: 2 PS5: -1 PS6: -1

Start time (from RC): 04:21 | Stop time (from RC): 04:37

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

hTRIG1 rate: 1.80.10^6 | hTRIG3 rate: 1997 | hTRIG4 rate: 1223 | hTRIG5 rate: 778 | hTRIG6 rate: 510

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: 15 min run at 20 μA, coin, ps4=2

Events 401K | Charge 18.32 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 59 (μA)

Run Number: 4569 | I_{beam}: 20 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): 05:31

☐ 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 ☐

Comments: Pre-started but ended it because there is no beam.

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

Run Number: 4573 | I_{beam}: ✓ μA

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

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

Start time (from RC): | Stop time (from RC): 06:09

☑ 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 ☐ coin_cosmics

Comments: cosmics run for col 24 & 25

Events 20K | Charge 0 C | Active trigger LiveTime fraction (NPS Scaler Gui): NA | Max NPS anode current (single crystal): NA (μA)

Run Number: 4574 | 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): 07:10 | Stop time (from RC): 07:20

☑ 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 ☐ coin_vld ✓

Comments: LED-cosmics for col 21 to 26

Events 127K | 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 / 2 / 23 (yy / mm / dd) Initials: SCA

Kinematics: KinC_x 36-6

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 10.538 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: +/- 2.416 (From GUI) θ(TV): 26.85 (Nearest 0.005)

SHMS
θ(TV): 24.8 (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 = 18.98 Amp | NPS ~~Upstream~~ DS Corr. I = 22.99 Amp

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Run Number: 4581
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): 13:46:43
Stop time (from RC): 13:58:09
☒ 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: Luminosity scan / very short
Events____ Charge____C
Active trigger LiveTime fraction (NPS Scaler Gui)
Max NPS anode current (single crystal) (μA)

Run Number: 4582
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): 14:22:11
Stop time (from RC): 14:28:20
☒ Settings Verified? ☒ HV OK? ☐ 50k OK?
hTRIG1 rate 2.5e6 | hTRIG3 rate 1496 | hTRIG4 rate 335 | hTRIG5 rate 941 | hTRIG6 rate 245
☐ Data ok ☐ Junk
☒ coin_sparse ☐ coin ☐ coin_sparse_low
Comments: Luminosity scan 1/50 5 μA
Events____ Charge____C
Active trigger LiveTime fraction (NPS Scaler Gui)
Max NPS anode current (single crystal) 37 (μA)

Run Number: 4583
I_{beam}: 3 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): 14:34
Stop time (from RC): 14:38
☐ Settings Verified? ☐ HV OK? ☐ 50k OK?
hTRIG1 rate 1.7e6 | hTRIG3 rate 460 | hTRIG4 rate 130 | hTRIG5 rate 214 | hTRIG6 rate 77
☐ Data ok ☒ Junk
☐ coin_sparse ☐ coin ☐ coin_sparse_low
Comments: data rate 5 MB/sec
Events____ Charge____C
Active trigger LiveTime fraction (NPS Scaler Gui)
Max NPS anode current (single crystal) 10 (μA) col 0

Run Number: 4584
I_{beam}: 2 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): 14:43:44
Stop time (from RC): 14:47:35
☒ Settings Verified? ☒ HV OK? ☐ 50k OK?
hTRIG1 rate 2.5e6 | hTRIG3 rate 1297 | hTRIG4 rate 300 | hTRIG5 rate 850 | hTRIG6 rate 214
☐ 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) 14.70 (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 / 2 / 27 (yy / mm / dd) Initials: SCD

Kinematics: KinC_x 36_6

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 10.538 GeV

Raster: ☒ On ☐ Off Size: 2 x 2 mm²

Beam position and angle on target:

3H07A	X	Y
	1.69 mm	0.35 mm
Nomin:		
3H07C	X	Y
	0.707 mm	0.349 mm
Nomin:		

HMS p: +(-) 2.416 From GUI θ(TV): 26.85 Nearest 0.005

SHMS θ(TV): 24.8 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: 4585

I_{beam}: 4 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): 14:48:42

Stop time (from RC): 14:51:19

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

hTRIG1 rate: 2.59e6 hTRIG3 rate: 2130 hTRIG4 rate: 451

hTRIG5 rate: 1480 hTRIG6 rate: 308

☐ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Luminosity

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 4586

I_{beam}: 2 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: Luminosity / Coda hung

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 4587

I_{beam}: 2.3 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): 14:59:16

Stop time (from RC): 15:03:09

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

hTRIG1 rate: 2.35e6 hTRIG3 rate: 1922 hTRIG4 rate: 287

hTRIG5 rate: 774 hTRIG6 rate: 146

☐ 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): 11.9 (μA)

Run Number: 4588

I_{beam}: 2 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): 15:06:46

Stop time (from RC): 15:37:38

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

hTRIG1 rate: 1.35e6 hTRIG3 rate: 654 hTRIG4 rate: 164

hTRIG5 rate: 244 hTRIG6 rate: 82

☐ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Col. ∅ OFF / Production

Events 428K Charge 3 mC

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal): ~~11.7~~ 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: 24 / 2 / 23 (yy mm dd) **Initials:** SCA

Kinematics: KinC_x 36_6

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 10.537 GeV

Raster: ☒ On ☐ Off — Size: 2x2 mm²

HMS p: +/- 2.416 (From GUI) θ(TV): 26.85 (Nearest 0.005)

SHMS θ(TV): 23.8 (Nearest 0.005)

NPS θ = SHMS −16.30° (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.726 mm	0.355 mm
Nomin:		
3H07C	0.695 mm	0.388 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	Ibeam (μA)	Target	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	Trigger	Comments	Events	Charge (C)	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)
4589	5	☒ LH2 10cm	-1	-1	-1	0	-1	-1	15:44:36	15:58:09	☒	☒	☒	1.98e6	721	182	372	108	☒ Data ok	☒ coin_sparse	1/8, 14 min, DAQ 8 MB/s	135k			
4590	5	☒ LH2 10cm	-1	-1	-1	0	-1	-1	15:59:41	1644	☒	☒	☒	1.9e6	755	203	359	112		☒ coin_sparse	2/8				~~3.08~~ 7
4591	5	☑ LH2 10cm	-1	-1	-1	0	-1	-1	1645	1716	☑	☐	☑	1.86e+06	730	190	346	108	☑ Data ok	☑ coin_sparse	3/8	325681			7.15
4642	5	☑ LH2 10cm	-1	-1	-1	0	-1	-1	1718	1751	☑	☐	☐	1.64e+06	616	140	353	117		☑ coin_sparse	4/8	355688			7

Target options: LH2 10cm, LD2 10cm, Dummy 10cm, Optics#1 8cm, C 0.5% rl.l. Trigger options: coin_sparse, coin, coin_sparse_low.

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

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

Use a separate sheet for each configuration.

Date: 2024/02/23 (yy/mm/dd) Initials: AS

Kinematics: KinC_x 36-6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2 x 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: +/- _____ From GUI; θ(TV): 26.86 Nearest 0.005

SHMS: θ(TV): 23.8 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: 4593 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 1752 | Stop time (from RC): 1829

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

hTRIG1 rate: 1.90e+6 | hTRIG3 rate: 740 | hTRIG4 rate: 190 | hTRIG5 rate: 370 | hTRIG6 rate: 114

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/8

Events 413686 Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

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

Run Number: 4594 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 1830 | Stop time (from RC): _____

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

hTRIG1 rate: 1.93 e+06 | hTRIG3 rate: 730 | hTRIG4 rate: 200 | hTRIG5 rate: 351 | hTRIG6 rate: 109

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/8

Events 313854 Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal): 6.90 (μA)

Run Number: 4595 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 1900 | Stop time (from RC): 1929

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

hTRIG1 rate: 1.91e+06 | hTRIG3 rate: 744 | hTRIG4 rate: 190 | hTRIG5 rate: 370 | hTRIG6 rate: 113

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/8

Events 313742 Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal): 7.40 (μA)

Run Number: 4596 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 1930 | Stop time (from RC): 2000

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

hTRIG1 rate: 1.9 e+06 | hTRIG3 rate: 727 | hTRIG4 rate: 188 | hTRIG5 rate: 360 | hTRIG6 rate: 115

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/8

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal): 7 (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: 2024 / 02 / 23 (yy / mm / dd) Initials: AS

Kinematics: KinC_x 36-6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2 x 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: +/- _____ From GUI θ(TV): 26.86 Nearest 0.005

SHMS

θ(TV): 23.80 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: 4597

I_{beam}: 3 μA

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

PS1: 4 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 2002

Stop time (from RC): 2025

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

hTRIG1 rate: 1.28e+06 hTRIG3 rate: 450 hTRIG4 rate: 139

hTRIG5 rate: 180 hTRIG6 rate: 74

☑ Data ok ☐ Junk

☐ *coin_sparse* ☐ *coin* ☐ *coin_sparse_low*

Comments:

Events 173910 *Charge* ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 4598

I_{beam}: 2 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): 2027

Stop time (from RC):

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

hTRIG1 rate: 8.76e+05 hTRIG3 rate: 332 hTRIG4 rate: 107

hTRIG5 rate: 115 hTRIG6 rate: 54.4

☑ Data ok ☐ Junk

☑ *coin_sparse* ☐ *coin* ☐ *coin_sparse_low*

Comments:

Events 200384 *Charge* ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 3.28 (μA)

Run Number: 4599

I_{beam}: 85 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): 2104

Stop time (from RC): 2120

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

hTRIG1 rate: 1.9 e+06 hTRIG3 rate: 704 hTRIG4 rate: 200

hTRIG5 rate: 341 hTRIG6 rate: 114

☑ Data ok ☐ Junk

☐ *coin_sparse* ☑ *coin* ☐ *coin_sparse_low*

Comments:

Events 158684 *Charge* ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 4600

I_{beam}: 5 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): 2123

Stop time (from RC): 2144

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

hTRIG1 rate: 1.9 e+06 hTRIG3 rate: 742 hTRIG4 rate: 188

hTRIG5 rate: 340 hTRIG6 rate: 106

☑ Data ok ☐ Junk

☑ *coin_sparse* ☐ *coin* ☐ *coin_sparse_low*

Comments:

Events 846110 *Charge* ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 7.22 (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: 2024 02 23 (yy mm dd) Initials: AS

Kinematics: KinC_x 86_6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2 x 2

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: +/- _____ From GUI θ(TV): 26.86 Nearest 0.005

SHMS

θ(TV): 23.80 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: 4601 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 2201 Stop time (from RC): 2232

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

hTRIG1 rate: 1.7e+06 hTRIG3 rate: 821 hTRIG4 rate: 212 hTRIG5 rate: 600 hTRIG6 rate: 150

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 397539 Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal): 13.5 (μA)

Run Number: 4602 | I_{beam}: 3 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): 2236 Stop time (from RC): 2257

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

hTRIG1 rate: 1.87e+06 hTRIG3 rate: 870 hTRIG4 rate: 211 hTRIG5 rate: 331 hTRIG6 rate: 106

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 212612 Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

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

Run Number: 4603 | I_{beam}: 2 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): 2303 Stop time (from RC): 2324

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

hTRIG1 rate: 9.44e+05 hTRIG3 rate: 460 hTRIG4 rate: 113 hTRIG5 rate: 138 hTRIG6 rate: 64

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 400796 Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal): 5.71 (μA)

Run Number: 4604 | I_{beam}: 3 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): 2336 Stop time (from RC): 00:08:42

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

hTRIG1 rate: 2.42 e+06 hTRIG3 rate: 1580 hTRIG4 rate: 335 hTRIG5 rate: 995 hTRIG6 rate: 247

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/16 Data rate ~ 17 MB/s

Events 0.66M Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): 160%

Max NPS anode current (single crystal): 6.85 (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 / 2 / 24 (yy / mm / dd) Initials: ____

Kinematics: KinC_x 36-6

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	Y
	1.7 mm	0.3 mm
Nomin:		

3H07C	X	Y
	0.7 mm	0.3 mm
Nomin:		

HMS

p: +(-) 2.416 From GUI θ(TV): 26.86 Nearest 0.005

SHMS

θ(TV): 23.80 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: 4605

I_{beam}: 3 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): 00:09:44

Stop time (from RC): 00:41:02

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

hTRIG1 rate: 2.41 x 10^6 | hTRIG3 rate: 1587 | hTRIG4 rate: 364

hTRIG5 rate: 1009 | hTRIG6 rate: 239

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/16 Data rate ~ 18 MB/s.

Events 0.65M Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.93 %

Max NPS anode current (single crystal): 7.40 (μA)

Run Number: 4606

I_{beam}: 3 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): 00:42:13

Stop time (from RC): 1:14:31

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

hTRIG1 rate: 2.41 x 10^6 | hTRIG3 rate: 1585 | hTRIG4 rate: 352

hTRIG5 rate: 1020 | hTRIG6 rate: 241

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/16 Data rate ~ 18 MB/s.

Events 0.64M Charge ____ C

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

Max NPS anode current (single crystal): 7.08 (μA)

Run Number: 4607

I_{beam}: 3 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): 1:15:31

Stop time (from RC): 1:47:06

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

hTRIG1 rate: 2.41 x 10^6 | hTRIG3 rate: 1579 | hTRIG4 rate: 362

hTRIG5 rate: 1001 | hTRIG6 rate: 226

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/16 Data rate ~ 19 MB/s.

Events 0.64M Charge ____ C

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

Max NPS anode current (single crystal): 6.80 (μA)

Run Number: 4608

I_{beam}: 3 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): 1:48:00

Stop time (from RC): 2:16:57

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

hTRIG1 rate: 2.4 x 10^6 | hTRIG3 rate: 1617 | hTRIG4 rate: 348

hTRIG5 rate: 1017 | hTRIG6 rate: 239

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/16 Data rate ~ 18 MB/s.

Events 0.58M Charge ____ C

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

Max NPS anode current (single crystal): 6.97 (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: 24 / 2 / 24 (yy / mm / dd) Initials: AS.

Kinematics: KinC_x 36-6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

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

HMS

p: +02.416 From GUI θ(TV): 25.86 Nearest 0.005

SHMS

θ(TV): 23.80 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: 4609 | I_{beam}: 3 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): 2:17:56 | Stop time (from RC): 2:48:52

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

hTRIG1 rate: 2.44 x10^6 | hTRIG3 rate: 1650 | hTRIG4 rate: 363

hTRIG5 rate: 1038 | hTRIG6 rate: 247

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 6/16 Data rate ~ 18 MB/s.

Events 0.62M | Charge ___ C

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

Max NPS anode current (single crystal): 7.59 (μA)

Run Number: 4610 | I_{beam}: 3 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): 2:49:53 | Stop time (from RC): 3:21:19

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

hTRIG1 rate: 2.43x10^6 | hTRIG3 rate: 1677 | hTRIG4 rate: 369

hTRIG5 rate: 1045 | hTRIG6 rate: 234

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 7/16 Data rate ~ 19 MB/s

Events 0.65M | Charge ___ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.97%

Max NPS anode current (single crystal): 6.99 (μA)

Run Number: 4611 | I_{beam}: 3 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): 3:22:15 | Stop time (from RC): 3:53:46

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

hTRIG1 rate: 2.43x10^6 | hTRIG3 rate: 1626 | hTRIG4 rate: 372

hTRIG5 rate: 1028 | hTRIG6 rate: 226

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 8/16 Data rate ~ 19 MB/s.

Events 0.64M | Charge ___ C

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

Max NPS anode current (single crystal): 7.25 (μA)

Run Number: 4612 | I_{beam}: 3 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): 3:54:44 | Stop time (from RC): 4:26:32

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

hTRIG1 rate: 2.4x10^6 | hTRIG3 rate: 1626 | hTRIG4 rate: 364

hTRIG5 rate: 1005 | hTRIG6 rate: 243

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 9/16 Data rate ~ 18 MB/s.

Events 0.68M | Charge ___ C

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

Max NPS anode current (single crystal): 7.12 (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 / 2 / 24 (yy / mm / dd) Initials: AS

Kinematics: KinC_x 36-6

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
1.7 mm	0.3 mm	0.7 mm	0.3 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS p: +2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): 23.80 (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: 4613 | I_{beam}: 3 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): 4:27:40 | Stop time (from RC): 4:58:53

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

hTRIG1 rate: 2.38x10^6 | hTRIG3 rate: 1584 | hTRIG4 rate: 348 | hTRIG5 rate: 968 | hTRIG6 rate: 214

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: 10/16 Data rate ~ 17 MB/s

Events 0.61 M | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.97 %

Max NPS anode current (single crystal): 7.04 (μA)

Run Number: 4614 | I_{beam}: 3 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): 4:59:55 | Stop time (from RC): 5:30:34

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

hTRIG1 rate: 2.38x10^6 | hTRIG3 rate: 1562 | hTRIG4 rate: 348 | hTRIG5 rate: 951 | hTRIG6 rate: 229

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 11/16 Data rate ~ 17 MB/s.

Events 0.6 M | Charge ____ C

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

Max NPS anode current (single crystal): 7.01 (μA)

Run Number: 4615 | I_{beam}: 3 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): 5:31:31 | Stop time (from RC): 6:01:55

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

hTRIG1 rate: 2.42x10^6 | hTRIG3 rate: 1643 | hTRIG4 rate: 363 | hTRIG5 rate: 1038 | hTRIG6 rate: 240

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 12/16 Data rate ~ 18 MB/s

Events 0.62 M | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.96 %

Max NPS anode current (single crystal): 7.13 (μA)

Run Number: 4616 | I_{beam}: 3 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): 6:02:56 | Stop time (from RC): 6:34:42

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

hTRIG1 rate: 2.42x10^6 | hTRIG3 rate: 1662 | hTRIG4 rate: 358 | hTRIG5 rate: 1028 | hTRIG6 rate: 236

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 13/16 Data rate ~ 18 MB/s

Events 0.66 M | Charge ____ C

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

Max NPS anode current (single crystal): 7.10 (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 / 2 / 24 (yy / mm / dd) Initials: AS.

Kinematics: KinC_x 36-6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 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: +02.416 From GUI; θ(TV): 26.86 Nearest 0.005

SHMS: θ(TV): 23.80 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: 4617 | I_{beam}: 3 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): 6:35:44 | Stop time (from RC): 7:08:07

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

hTRIG1 rate 2.41 x 10⁶ | hTRIG3 rate 1654 | hTRIG4 rate 348 | hTRIG5 rate 1805 | hTRIG6 rate 236

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 14/16 Data rate ~ 17 MB/s.

Events 0.62M Charge ____ C

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

Max NPS anode current (single crystal): 7.05 (μA)

Run Number: 4618 | I_{beam}: 3 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): 7:09:09 | Stop time (from RC): 7:41:00

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

hTRIG1 rate 2.4 x 10⁶ | hTRIG3 rate 1574 | hTRIG4 rate 354 | hTRIG5 rate 953 | hTRIG6 rate 225

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 15/16 Data rate ~ 17 MB/s.

Events 0.62M Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 98.75%

Max NPS anode current (single crystal): 6.82 (μA)

Run Number: 4619 | I_{beam}: 3 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): 7:42:06 | Stop time (from RC): 8:11:17

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

hTRIG1 rate 2.4 x 10⁶ | hTRIG3 rate 1602 | hTRIG4 rate 362 | hTRIG5 rate 993 | hTRIG6 rate 233

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 16/16 Data rate ~ 17 MB/s

Events 0.35M Charge ____ C

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

Max NPS anode current (single crystal): 7.07 (μA)

Run Number: 4620 | I_{beam}: 3 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): 8:26:30 | Stop time (from RC): 8:46:00

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

hTRIG1 rate 2.39 x 10⁶ | hTRIG3 rate 1627.1 | hTRIG4 rate 347 | hTRIG5 rate 979.3 | hTRIG6 rate 234

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Additional (due to missing beam) Data rate ~ 17 MB/s

Events 0.32M Charge ____ C

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

Max NPS anode current (single crystal): 6.59 (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: 24/02/24 (yy/mm/dd) Initials: AA

Kinematics: KinC_x 36-6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2cm x 2cm

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: +/- -2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS: θ(TV): 23.80 (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: 4621 | I_{beam}: 1 μA

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

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

Start time (from RC): 8:48:26 | Stop time (from RC): 9:08:33

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

hTRIG1 rate: 1.1 x 10^6 | hTRIG3 rate: 552.0 | hTRIG4 rate: 142 | hTRIG5 rate: 190 | hTRIG6 rate: 70.1

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 1/16 Data rate ~ 4.1 MB/s

Events 0.14M | Charge ___ C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): ___ (μA)

Run Number: 4622 | I_{beam}: 2 μA

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

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

Start time (from RC): 9:10:38 | Stop time (from RC): 9:34:10

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

hTRIG1 rate: 1.97 x 10^6 | hTRIG3 rate: 1143 | hTRIG4 rate: 254 | hTRIG5 rate: 560 | hTRIG6 rate: 147

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 2/16 Data rate ~ 8.3 MB/s

Events 0.3M | Charge ___ C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 4.74 (μA)

Run Number: 4623 | I_{beam}: 3 μA

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

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

Start time (from RC): 9:36:40 | Stop time (from RC): 9:51:42

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

hTRIG1 rate: 2.36 x 10^6 | hTRIG3 rate: 1603 | hTRIG4 rate: 357 | hTRIG5 rate: 989 | hTRIG6 rate: 231

Data ok ☑ | Junk ☐

coin_sparse ☐ | coin ☑ | coin_sparse_low ☐

Comments: 3/16 Data Rate ~ 9.7 MB/s

Events 0.3M | Charge ___ C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 6.61 (μA)

Run Number: 4624 | I_{beam}: 3 μA

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

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

Start time (from RC): 9:54:30 | Stop time (from RC): 10:15:11

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

hTRIG1 rate: 2.4 x 10^6 | hTRIG3 rate: 1649 | hTRIG4 rate: 361 | hTRIG5 rate: 973 | hTRIG6 rate: 230

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 4/16 Data Rate ~ 7.5 MB/s

Events ___ | Charge ___ C | Active trigger LiveTime fraction (NPS Scaler Gui): 435.515 % | Max NPS anode current (single crystal): 6.84 (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: 24/02/24 (yy/mm/dd) Initials: AA

Kinematics: KinC_x 36-6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2cm x 2cm

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: +/- −2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): 23.80 (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: 4625 | 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): 10:24:50 | Stop time (from RC): 10:55:59 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 1.81 x 10^6 | hTRIG3 rate 739 | hTRIG4 rate 191 | hTRIG5 rate 345 | hTRIG6 rate 108 | ☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐ | Comments: 5/16 Data Rate ~ 80MB/s | Events 0.3M | Charge ___ C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) 6.26 (μA)

Run Number: 4627 | 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): 11:08:25 | Stop time (from RC): 11:38: | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 1.55 x 10^6 | hTRIG3 rate 658 | hTRIG4 rate 198 | hTRIG5 rate 312 | hTRIG6 rate 106 | ☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐ | Comments: 6/16 Data Rate ~ 80MB/s | Events 0.3M | Charge ___ C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.93 % | Max NPS anode current (single crystal) 6.53 (μA)

Run Number: 4628 | 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): 11:39:40 | Stop time (from RC): 12:10:00 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 1.81 x 10^6 | hTRIG3 rate 700 | hTRIG4 rate 178 | hTRIG5 rate 351 | hTRIG6 rate 116 | ☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐ | Comments: 7/16 Data Rate ~ 80MB/s | Events 0.31M | Charge ___ C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) 6.31 (μA)

Run Number: 4629 | 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): 12:11:50 | Stop time (from RC): 12:42:10 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 1.83 x 10^6 | hTRIG3 rate 713 | hTRIG4 rate 185 | hTRIG5 rate 351 | hTRIG6 rate 105 | ☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐ | Comments: 8/16 Data Rate ~ 80MB/s | Events 0.32M | Charge ___ C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) 6.95 (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 36-6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2cm x 2cm

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: +/- -2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): 23.80 (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: 4630 | I_{beam}: 5 μA

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

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

Start time (from RC): 12:43:43 | Stop time (from RC): 13:13:10

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

hTRIG1 rate 1.77X10^6 | hTRIG3 rate 705 | hTRIG4 rate 182 | hTRIG5 rate 333 | hTRIG6 rate 105

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 9/16 Data Rate ~ 80MB/s

Events 0.33 | Charge ____C

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

Max NPS anode current (single crystal): 5.68 (μA)

Run Number: | I_{beam}: 5 μA

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

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

Start time (from RC): 13:15:31 | Stop time (from RC): 13:21:34

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

hTRIG1 rate 1.82X10^6 | hTRIG3 rate 742 | hTRIG4 rate 192 | hTRIG5 rate 368 | hTRIG6 rate 103

☐ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 10/16 Data Rate ~ 80MB/s HMS Power Supply failed

Events 0.05 | Charge ____C

Active trigger LiveTime fraction (NPS Scaler Gui):

Max NPS anode current (single crystal) (μA)

Run Number: 4635 | I_{beam}: X μA

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

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

Start time (from RC): 21:58 | Stop time (from RC): 22:40

☒ 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-vld.

Events ____ | Charge ____C

Active trigger LiveTime fraction (NPS Scaler Gui):

Max NPS anode current (single crystal) (μA)

Run Number: 4636 | I_{beam}: 11 μA

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

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

Start time (from RC): 23:49 | Stop time (from RC): 00:06

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

hTRIG1 rate 2.15M | hTRIG3 rate 1.5K | hTRIG4 rate 360 | hTRIG5 rate 930 | hTRIG6 rate 225

☑ 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 / 02 / 25 (yy / mm / dd) Initials: ____

Kinematics: KinC_x____

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.5 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: +/- ____ (From GUI) θ(TV): 26.96 (Nearest 0.005)

SHMS

θ(TV): −23.80 (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 = ____ Amp | NPS Upstream Corr. I = ____ Amp

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Run Number: 4637 | 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: 0 PS5: −1 PS6: −1

Start time (from RC): 00.12 | Stop time (from RC): 00.25

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

hTRIG1 rate: 2.43 | hTRIG3 rate: 2790 | hTRIG4 rate: 581 | hTRIG5 rate: 1703 | hTRIG6 rate: 368

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LD2

Events____ Charge 2.69C

Active trigger LiveTime fraction (NPS Scaler Gui):

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

Run Number: 4638 | I_{beam}: 11 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): 00.33 | Stop time (from RC): 01.04

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

hTRIG1 rate: 2.29 M | hTRIG3 rate: 1523 | hTRIG4 rate: 383 | hTRIG5 rate: 920 | hTRIG6 rate: 229

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LH2

Events 616k 17.51 Charge 2.46C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 12.27 (μA)

Run Number: 4639 | I_{beam}: 11 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): 01.06 | Stop time (from RC): 01.38

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

hTRIG1 rate: 2.31 M | hTRIG3 rate: 1573 | hTRIG4 rate: 364 | hTRIG5 rate: 910 | hTRIG6 rate: 228

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 650k Charge 18.6C

Active trigger LiveTime fraction (NPS Scaler Gui): 108

Max NPS anode current (single crystal): 12.20 (μA)

Run Number: 4640 | I_{beam}: 11 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): 01.40 | Stop time (from RC): 02.12

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

hTRIG1 rate: 2.34 M | hTRIG3 rate: 1532 | hTRIG4 rate: 364 | hTRIG5 rate: 896 | hTRIG6 rate: 214

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 630k Charge 17.62C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 11.41 (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 18 mm 25 dd Initials: ____

Kinematics: KinC_x____

Purpose: ☑ 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:

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

HMS: p: +/- 2.416 (From GUI) θ(TV): 26.80 (Nearest 0.005)

SHMS: θ(TV): ~~-23.80~~ (Nearest 0.005)

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

Collimator: HMS: Large ☑ Sieve ☐ | *NPS Sweep Magnet* I = 463 Amp | *NPS Upstream Corr.* I = ____ Amp | NPS Upstream Corr. I = ____ Amp

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Run Number: 4641 (4)

I_{beam}: 11 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): 2.15

Stop time (from RC): 2.46

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

hTRIG1 rate: 2.31 M hTRIG3 rate: 1608 hTRIG4 rate: 362

hTRIG5 rate: 862 hTRIG6 rate: 217

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 613k Charge 17.12 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

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

Run Number: 4642 (5)

I_{beam}: 11 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): 02.49

Stop time (from RC): 03.21

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

hTRIG1 rate: 2.24 M hTRIG3 rate: 1560 hTRIG4 rate: 381

hTRIG5 rate: 855 hTRIG6 rate: 233

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 676k Charge 19.33 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.97

Max NPS anode current (single crystal): 11.95 (μA)

Run Number: 4643 (6)

I_{beam}: 11 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): 03.24

Stop time (from RC): 03.54

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

hTRIG1 rate: 1.56 hTRIG3 rate: 1480 hTRIG4 rate: 324

hTRIG5 rate: 833 hTRIG6 rate: 213

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 629 Charge 17.87 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.94

Max NPS anode current (single crystal): 11.88 (μA)

Run Number: 4644 (7)

I_{beam}: 11 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): 03.56

Stop time (from RC): 04.26

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

hTRIG1 rate: 2.25 M hTRIG3 rate: 1499 hTRIG4 rate: 361

hTRIG5 rate: 844 hTRIG6 rate: 232

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 638 Charge 18.34 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 11.64 (μA)

p(e,e'γ) p Run Sheet

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

Date: __/02/25 (yy mm dd)   Initials: ______

Use a separate sheet for each configuration.

Kinematics: KinC_x______

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: ________

HMS, field, current OK? *yes* [x] *no* [ ]

E_{beam}: 10.5 GeV

Raster: [x] On [ ] Off
Size: 2×2

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: +/- 2.416 (From GUI)   θ(TV): 26.86 (Nearest 0.005)

SHMS: θ(TV): −23.80 (Nearest 0.005)

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

Collimator: HMS: Large [x] Sieve [ ] | *NPS Sweep Magnet I = 4.68 Amp* | *NPS Upstream Corr. I = ______ Amp* | NPS Upstream Corr. I = ______ Amp

---

8 **Run Number:** 4645
- I_{beam}: 11 μA
- [x] 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): ~~04~~ 04.28
- Stop time (from RC):
- [x] Settings Verified? [x] HV OK? [ ] 50k OK?
- hTRIG1 rate: 2.3m hTRIG3 rate: 1529 hTRIG4 rate:
- hTRIG5 rate: hTRIG6 rate:
- [ ] Data ok [x] 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: 4646
- I_{beam}: 11 μA
- [x] 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 [x] Junk
- *coin_sparse* [ ] *coin* [ ] *coin_sparse_low* [ ]
- Comments:
- *Events* 129k *Charge* ____ *C*
- Active trigger LiveTime fraction (NPS Scaler Gui):
- Max NPS anode current (single crystal) (μA):

8 **Run Number:** 4648
- I_{beam}: 11 μA
- [x] 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): 05.07
- Stop time (from RC): 05.37
- [x] Settings Verified? [x] HV OK? [x] 50k OK?
- hTRIG1 rate: 2.19 m hTRIG3 rate: 1517 hTRIG4 rate: 358
- hTRIG5 rate: 827 hTRIG6 rate: 218
- [x] Data ok [ ] Junk
- *coin_sparse* [x] *coin* [ ] *coin_sparse_low* [ ]
- Comments:
- *Events* 652 *Charge* 19.07 *C*
- Active trigger LiveTime fraction (NPS Scaler Gui): 100
- Max NPS anode current (single crystal) (μA): 11.48

Run Number: 4649
- I_{beam}: 8 μA
- [x] 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): 05.40
- Stop time (from RC): 05.57
- [x] Settings Verified? [x] HV OK? [ ] 50k OK?
- hTRIG1 rate: 1.67 m hTRIG3 rate: 1169 hTRIG4 rate: 290
- hTRIG5 rate: 469 hTRIG6 rate: 142
- [ ] Data ok [x] Junk
- *coin_sparse* [x] *coin* [ ] *coin_sparse_low* [ ]
- Comments:
- *Events* 263 *Charge* ____ *C*
- Active trigger LiveTime fraction (NPS Scaler Gui): 100
- Max NPS anode current (single crystal) (μA): 8.77

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

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

Use a separate sheet for each configuration.

Date: yy 10 mm 21 dd 25 Initials: ____

Kinematics: KinC_x____

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.5 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 2.416 From GUI θ(TV): 76.86 Nearest 0.005

SHMS θ(TV): -23.80 Nearest 0.005

NPS θ = SHMS −16.30° Nearest 0.005

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:

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

---

Run Number: 4650 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 06.01 | Stop time (from RC): 06.21

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

hTRIG1 rate 1.65M | hTRIG3 rate 1133 | hTRIG4 rate 284 | hTRIG5 rate 469 | hTRIG6 rate 130

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 266 | Charge 7.12 C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 8.73 (μA)

Run Number: 4651 | I_{beam}: 6 μA

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

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

Start time (from RC): 06.25 | Stop time (from RC): 06.55

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

hTRIG1 rate 1.31M | hTRIG3 rate 886 | hTRIG4 rate 225 | hTRIG5 rate 296 | hTRIG6 rate 95

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 384 | Charge 10.12 C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 7.02 (μA)

Run Number: 4652 | I_{beam}: 11 μA

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

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

Start time (from RC): 06.59 | Stop time (from RC): 07.16

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

hTRIG1 rate 2.2 | hTRIG3 rate 1504 | hTRIG4 rate 361 | hTRIG5 rate 789 | hTRIG6 rate 198

☐ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments:

Events 334 k | Charge 9.67 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.95 | Max NPS anode current (single crystal) 11.58 (μA)

Run Number: 4653 | I_{beam}: 11 μA

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

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

Start time (from RC): 07.21 | Stop time (from RC): 07.21

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

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

☐ Data ok ☑ Junk

☑ coin_sparse ☐ in ☐ n_sparse_low

Comments: Junk

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: 25/02/25 (yy/mm/dd) Initials: _____

Kinematics: KinC_x_____

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 10.5 GeV

Raster: [x] On [ ] Off Size: 2x2

HMS
p: +/- 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS
θ(TV): -23.80 (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:)	0.7 mm (Nomin:)

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

---

Run Number: 4654
I_{beam}: 11 μA
- [x] 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): 07.23
Stop time (from RC): 07.41

Settings Verified? [x] HV OK? [x] 50k OK? [x]

hTRIG1 rate: 2.19 | hTRIG3 rate: 1553 | hTRIG4 rate: 383
hTRIG5 rate: 836 | hTRIG6 rate: 219

Data ok [x] Junk [ ]

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments:

Events 1.78M Charge 11.68 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

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

Run Number: 4655
I_{beam}: 17 μA
- [x] LH2 10cm
- [ ] LD2 10cm
- [x] 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 [x] coin [ ] coin_sparse_low [ ]

Comments: ~~Dummy~~ Dummy

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 4655
I_{beam}: 11 μA
- [ ] LH2 10cm
- [ ] LD2 10cm
- [x] 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): 07.53
Stop time (from RC): 08:25

Settings Verified? [x] HV OK? [x] 50k OK? [x]

hTRIG1 rate: 2.3M | hTRIG3 rate: 2455 | hTRIG4 rate: 571
hTRIG5 rate: 1268 | hTRIG6 rate: 266

Data ok [x] Junk [ ]

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments: Unstable NPS LV of few columns

Events 859K Charge 18 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 24.22 (μA)

Run Number: 4657
I_{beam}: 11 μA
- [ ] LH2 10cm
- [x] LD2 10cm
- [x] 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): 13:50
Stop time (from RC): 14:22

Settings Verified? [x] HV OK? [x] 50k OK? [x]

hTRIG1 rate: 2.3M | hTRIG3 rate: 2378.5 | hTRIG4 rate: 513.2
hTRIG5 rate: 1304.3 | hTRIG6 rate: 296.8

Data ok [ ] Junk [ ]

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments: ~~Restar~~ Rerun 30-min Dummy target at 11uA

Events 888K Charge____C

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

Max NPS anode current (single crystal): 22.12 (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: 24 / 02 / 25 (yy / mm / dd) Initials: CH

Kinematics: KinC_x36_6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2 X2 mm

Beam position and angle on target:

3H07A	X	Y	
1.696 mm		0.296 mm	
Nomin:		Nomin:	
3H07C	X	Y	
0.910 mm		0.292 mm	
Nomin:		Nomin:	

HMS

p: +/-2.416 From GUI θ(TV): 26.86 Nearest 0.005

SHMS

θ(TV): -23.8 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: 4660

I_{beam}: 11 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

Stop time (from RC): 15:30

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

hTRIG1 rate: 2.06M hTRIG3 rate: 1520.1 hTRIG4 rate: 379.3

hTRIG5 rate: 81.2 hTRIG6 rate: 20.5

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Strange peaks on 50k Plots

Events 554K Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9

Max NPS anode current (single crystal): 10.23 (μA)

4661 is a junk run due to DPG issues.

Run Number: 4662

I_{beam}: 11 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): 16:07

Stop time (from RC): 16:40

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

hTRIG1 rate: 2.1 M hTRIG3 rate: 1.5K hTRIG4 rate: 370

hTRIG5 rate: 790 hTRIG6 rate: 205

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 0.6M Charge 18mC

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

Max NPS anode current (single crystal): 10.37 (μA)

Run Number: 4663

I_{beam}: 11 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): 16:41

Stop time (from RC): _____

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

hTRIG1 rate: 2.1M hTRIG3 rate: 1.5K hTRIG4 rate: 370

hTRIG5 rate: 790 hTRIG6 rate: 205

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 0.6M Charge 19mC

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

Max NPS anode current (single crystal): 10.35 (μA)

Run Number: 4664

I_{beam}: 8 μA

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

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

Start time (from RC): 17:24

Stop time (from RC): 17:52

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

hTRIG1 rate: 2.35M hTRIG3 rate: 1.6K hTRIG4 rate: 370

hTRIG5 rate: 910 hTRIG6 rate: 210

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 0.4 Charge 6mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 15.76 (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: 24/02/25 (yy/mm/dd) Initials: ____

Kinematics: KinC_x 36-6

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 10.536 GeV

Raster: ☒ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

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

HMS p: +2.416 From GUI θ(TV): 28.86 Nearest 0.005

SHMS θ(TV): -23.80 Nearest 0.005

NPS θ = SHMS −16.30° ~~-23~~ Nearest 0.005

Collimator: HMS: Large ☒ Sieve ☐ | NPS Sweep Magnet I = 1469 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 4665 | I_{beam}: 6 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): 17:53 | Stop time (from RC): 18:15

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

hTRIG1 rate: 1.5M | hTRIG3 rate: 1.2K | hTRIG4 rate: 260 | hTRIG5 rate: 445 | hTRIG6 rate: 115

☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 0.3 | Charge 6 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): ____ (μA)

Run Number: 4666 | I_{beam}: 6 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): 18:25 | Stop time (from RC): 18:5

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

hTRIG1 rate: 2.5M | hTRIG3 rate: 3K | hTRIG4 rate: 650 | hTRIG5 rate: 1.8K | hTRIG6 rate: 415

☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 1118971 | Charge 9.67 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 9.39 (μA)

Run Number: 4667 | I_{beam}: 8 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): 19:01 | Stop time (from RC): 19:36

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

hTRIG1 rate: 2.6M | hTRIG3 rate: 4.2K | hTRIG4 rate: 860 | hTRIG5 rate: 3K | hTRIG6 rate: 660

☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 1.4M | Charge 12 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 13.02 (μA)

Run Number: 4668 | I_{beam}: 8 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): 19:37 | Stop time (from RC): 20:11

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

hTRIG1 rate: 2.6M | hTRIG3 rate: 4.3K | hTRIG4 rate: 880 | hTRIG5 rate: 3.1K | hTRIG6 rate: 675

☐ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 1.9M | Charge 14 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 13.09 (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: 24/02/05 (yy/mm/dd) Initials: C.G.

Kinematics: KinC_x36-6

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

HMS, field, current OK? yes ☐ no ☐

E_{beam}: 10.98 GeV

Raster: ☒ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

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

HMS p: +02.416 From GUI θ(TV): 26.86 Nearest 0.005

SHMS θ(TV): 23.80 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

---

4

Run Number: 4667 | 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: 0 PS5: 1 PS6: 1

Start time (from RC): 20:12 | Stop time (from RC): 20:51

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

hTRIG1 rate: 2.6M | hTRIG3 rate: 4.2K | hTRIG4 rate: 850 | hTRIG5 rate: 3.1K | hTRIG6 rate: 650

☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 1.4M Charge 12mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 12.30 (μA)

5

Run Number: 4670 | 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: 0 PS5: 1 PS6: 1

Start time (from RC): 20:53 | Stop time (from RC): 21:26

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

hTRIG1 rate: 2.62M | hTRIG3 rate: 4.2K | hTRIG4 rate: 860 | hTRIG5 rate: 2.9K | hTRIG6 rate: 640

☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 1.5M Charge 13mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 12.51 (μA)

6

Run Number: 4671 | 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: 0 PS5: 1 PS6: 1

Start time (from RC): 21:26 | Stop time (from RC): 22:00

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

hTRIG1 rate: 2.6M | hTRIG3 rate: 4.3K | hTRIG4 rate: 910 | hTRIG5 rate: 3.1K | hTRIG6 rate: 570

☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 1.6M Charge 14mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 12.65 (μA)

7

Run Number: 4672 | 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: 0 PS5: 1 PS6: 1

Start time (from RC): 22:01 | Stop time (from RC): 22:33

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

hTRIG1 rate: 2.62M | hTRIG3 rate: 4.3K | hTRIG4 rate: 918 | hTRIG5 rate: 3.2K | hTRIG6 rate: 650

☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 1.4M Charge 13mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 12.92 (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 (yy) 04 (mm) 25 (dd) Initials: C.Y.

Kinematics: KinC_x36-6

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 10.538 GeV

Raster: ☒ On ☐ Off Size: 2x2 mm²

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 p: +02.416 From GUI θ(TV): 26.86 Nearest 0.005

SHMS θ(TV): -23.80 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: 4673 | I_{beam}: 8 μA

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

PS1: / PS2: / PS3: / PS4: 6 PS5: / PS6: /

Start time (from RC): 22:34 | Stop time (from RC): 22:57

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

hTRIG1 rate 2.61M | hTRIG3 rate 4.3K | hTRIG4 rate 880 | hTRIG5 rate 3.1K | hTRIG6 rate 650

☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: Beam was off due to cryomodule problem

Events 0.6M Charge 5m C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 12.47 (μA)

Run Number: 4674 | I_{beam}: 8 μA

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

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

Start time (from RC): 23:07 | Stop time (from RC): 23:29

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

hTRIG1 rate 2.6M | hTRIG3 rate 4.3K | hTRIG4 rate 880 | hTRIG5 rate 3.1K | hTRIG6 rate 650

☒ Data ok ☐ Junk

8 coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 1.1M Charge 9.9m C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.9%

Max NPS anode current (single crystal) 13.03 (μA)

Run Number: 4675 | I_{beam}: 8 μA

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

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

Start time (from RC): 23:30 | Stop time (from RC): 00:05

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

hTRIG1 rate 2.6M | hTRIG3 rate 4.2K | hTRIG4 rate 880 | hTRIG5 rate 3.0K | hTRIG6 rate 630

☒ Data ok ☐ Junk

9 coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 1.7M Charge 14.74m C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.9%

Max NPS anode current (single crystal) 12.5 (μA)

Run Number: 4676 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 00:07 | Stop time (from RC): 00:42

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

hTRIG1 rate 2.61M | hTRIG3 rate 4187 | hTRIG4 rate 876 | hTRIG5 rate 3065 | hTRIG6 rate 619

☑ Data ok ☐ Junk

10 coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 1.77M Charge 15.23m C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.29

Max NPS anode current (single crystal) 12.68 (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: 12 / 26 (yy / mm / dd) Initials: ____

Kinematics: KinC_x____

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- -2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): -23.80 (Nearest 0.005)

NPS θ = SHMS −16.30° (Nearest 0.005)

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:

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

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11

Run Number: 4677 | I_{beam}: 8 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): 00.45 | Stop time (from RC): 01.20

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

hTRIG1 rate: 2.6M | hTRIG3 rate: 4178 | hTRIG4 rate: 872 | hTRIG5 rate: 2901 | hTRIG6 rate: 620

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LD2

Events 1.8K Charge 15.71m C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 12.86 (μA)

12

Run Number: 4678 | I_{beam}: 8 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): 01.22 | Stop time (from RC): 01.58

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

hTRIG1 rate: 2.61M | hTRIG3 rate: 4283 | hTRIG4 rate: 885 | hTRIG5 rate: 3075 | hTRIG6 rate: 663

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LD2

Events 1.68M Charge 14.32m C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 12.76 (μA)

Run Number: 4679 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 02.02 | Stop time (from RC): 02.23

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

hTRIG1 rate: 2.41 | hTRIG3 rate: 3218 | hTRIG4 rate: 696 | hTRIG5 rate: 1922 | hTRIG6 rate: 437

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LD2

Events 817K Charge 7.15m C | Active trigger LiveTime fraction (NPS Scaler Gui): | Max NPS anode current (single crystal): (μA)

Run Number: 4680 | I_{beam}: 4 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): 02.28 | Stop time (from RC): 02.49

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

hTRIG1 rate: 1.91M | hTRIG3 rate: 2128 | hTRIG4 rate: 469 | hTRIG5 rate: 975 | hTRIG6 rate: 235

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LD2

Events 549K Charge 4.76m C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 6.65 (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_____

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
-.7 mm	0.3 mm	0.7 mm	0.3 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS: p: +/- 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS: θ(TV): -23.80 (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 = _____ Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 4681

I_{beam}: 8 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): ~~0:56~~

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: LD2

*Events*_____ *Charge*____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 4682

I_{beam}: 8 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): 02:56

Stop time (from RC): 03:13

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

hTRIG1 rate: 2.61 M | hTRIG3 rate: 4241 | hTRIG4 rate: 870 | hTRIG5 rate: 3081 | hTRIG6 rate: 675

☑ Data ok ☐ Junk

coin_sparse ☐ *coin* ☑ *coin_sparse_low* ☐

Comments: LD2

Events 404K *Charge* 7.32m C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 13 (μA)

Run Number: 4683

I_{beam}: 8 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): 03:17

Stop time (from RC): 03:18

☑ 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: LD2

*Events*_____ *Charge*____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 4684

I_{beam}: 8 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): 03:19

Stop time (from RC):

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

hTRIG1 rate: 2.61 M | hTRIG3 rate: 4335 | hTRIG4 rate: 896 | hTRIG5 rate: 3077 | hTRIG6 rate: 659

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: LD2

Events 2.5M *Charge* 9.01m C

Active trigger LiveTime fraction (NPS Scaler Gui): N/A

Max NPS anode current (single crystal): 12.52 (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 15 / mm 05 / dd 26 Initials: ____

Kinematics: KinC_x____

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.7 mm (Nomin:)	03 mm (Nomin:)
3H07C	0.7 mm (Nomin:)	0.3 mm (Nomin:)

HMS
p: +/- 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS
θ(TV): −23.80 (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 = ____ Amp | NPS Upstream Corr. I = ____ Amp

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Run Number: 4685
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: LH2

Events____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

1

Run Number: 4686
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: 0 PS5: −1 PS6: −1

Start time (from RC): 03.50
Stop time (from RC): 04.20

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

hTRIG1 rate 2.07M hTRIG3 rate 1670 hTRIG4 rate 413
hTRIG5 rate 840 hTRIG6 rate 217

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LH2

Events 682K 20.66m Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui) 100

Max NPS anode current (single crystal) 11.28 (μA)

2

Run Number: 4687
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: 0 PS5: −1 PS6: −1

Start time (from RC): 04.22
Stop time (from RC): 04.54

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

hTRIG1 rate 2.09M hTRIG3 rate 1711 hTRIG4 rate 403
hTRIG5 rate 858 hTRIG6 rate 231

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 693K 20.03m Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui) 100

Max NPS anode current (single crystal) 11.53 (μA)

3

Run Number: 4688
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: 0 PS5: −1 PS6: −1

Start time (from RC): 04.55
Stop time (from RC): 05.26

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

hTRIG1 rate 2.08M hTRIG3 rate 1759 hTRIG4 rate 403
hTRIG5 rate 849 hTRIG6 rate 225

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 590K 16.90m Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui) 100

Max NPS anode current (single crystal) 11.37 (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 10 mm 5/ 26 dd Initials: ____

Kinematics: KinC_x_____

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 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: +/- 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS
θ(TV): −23.80 (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 = _____ Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 4689 (4)
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: 0 PS5: −1 PS6: −1
Start time (from RC): 05.27
Stop time (from RC): 05.58
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate 2.07M | hTRIG3 rate 1697 | hTRIG4 rate 394
hTRIG5 rate 841 | hTRIG6 rate 218
☑ Data ok ☐ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments:
Events 686K, 19.70m, Charge____C
Active trigger LiveTime fraction (NPS Scaler Gui) 100
Max NPS anode current (single crystal) 11.57 (μA)

Run Number: 4690 (5)
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: 0 PS5: −1 PS6: −1
Start time (from RC): 6.00
Stop time (from RC): 6.31
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate 2.08 | hTRIG3 rate 1676 | hTRIG4 rate 400
hTRIG5 rate 824 | hTRIG6 rate 216
☑ Data ok ☐ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments:
Events 682K, 19.56m, Charge____C
Active trigger LiveTime fraction (NPS Scaler Gui) 100
Max NPS anode current (single crystal) 11.18 (μA)

Run Number: 4691 (6)
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: 0 PS5: −1 PS6: −1
Start time (from RC): 6.33
Stop time (from RC): 7.16
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate 2.06M | hTRIG3 rate 1703 | hTRIG4 rate 400
hTRIG5 rate 850 | hTRIG6 rate 221
☑ Data ok ☐ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments:
Events 713K, 19.65m, Charge____C
Active trigger LiveTime fraction (NPS Scaler Gui) 100
Max NPS anode current (single crystal) 11.19 (μA)

Run Number: 4692 (7)
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: 0 PS5: −1 PS6: −1
Start time (from RC): 7.18
Stop time (from RC): 7.49
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate 2.03M | hTRIG3 rate 1643 | hTRIG4 rate 395
hTRIG5 rate 830 | hTRIG6 rate 233
☑ Data ok ☐ Junk
☑ coin_sparse ☐ in ☐ coin_sparse_low
Comments:
Events 700K, 19.76m, Charge____C
Active trigger LiveTime fraction (NPS Scaler Gui) 100%
Max NPS anode current (single crystal) 11.20 (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 10 mm 21 dd 26 Initials: ____

Kinematics: KinC_x36_6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 2.416 From GUI θ(TV): 26.86 Nearest 0.005

SHMS θ(TV): -23.80 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

---

Run Number: 4693 (8) | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 7:50 | Stop time (from RC): 8:20:35

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

hTRIG1 rate 2.02 M | hTRIG3 rate 1652 | hTRIG4 rate 386 | hTRIG5 rate 844 | hTRIG6 rate 222

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 0.66 Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui):

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

Run Number: 4694 | I_{beam}: 8 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): 8:28:27 | Stop time (from RC): 8:43:54

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

hTRIG1 rate 1.48×10^6 | hTRIG3 rate 1124 | hTRIG4 rate 290 | hTRIG5 rate 401 | hTRIG6 rate 117

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: ~~More than half time: no beam~~

Events 0.3M Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.998

Max NPS anode current (single crystal) (μA): 7.56

Run Number: 4695 | 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: 0 PS5: 1 PS6: 1

Start time (from RC): 8:45:57 | Stop time (from RC): 9:14:52

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

hTRIG1 rate 1.17×10^6 | hTRIG3 rate 880 | hTRIG4 rate 226 | hTRIG5 rate 279 | hTRIG6 rate 89

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: More than half time: no beam

Events 0.18S Charge ____ C

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

Max NPS anode current (single crystal) (μA): 5.96

Run Number: 4696 | 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: 0 PS5: 1 PS6: 1

Start time (from RC): 9:18:44 | Stop time (from RC): 9:35:13

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

hTRIG1 rate 2.01×10^6 | hTRIG3 rate 1665 | hTRIG4 rate 384 | hTRIG5 rate 874 | hTRIG6 rate 223

☐ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments:

Events ____ Charge ____ C

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

Max NPS anode current (single crystal) (μA): 11.05

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

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

Use a separate sheet for each configuration.

Date: 24/02/26 (yy/mm/dd) Initials: AA

Kinematics: KinC_x 36-6

Purpose:
- ☐ Production
- ☐ Test
- ☐ Optics
- ☑ Other: lumi scan / DIS

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2mm x 2mm

HMS p: +/- 9.416 From GUI θ(TV): 26.86 Nearest 0.005

SHMS θ(TV): 23.80 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

---

Run Number: 4700 | 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): 10:56:07 | Stop time (from RC): 11:16:41

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

hTRIG1 rate: 40 | hTRIG3 rate: 2746 | hTRIG4 rate: 636 | hTRIG5 rate: 40 | hTRIG6 rate: 40

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: "DIS", Cal HV: Off

Events 0.7M Charge ____C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 3.47 (μA)

Run Number: 4701 | I_{beam}: 12 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): 11:18:54 | Stop time (from RC): 11:28:50

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

hTRIG1 rate: 40 | hTRIG3 rate: 1655 | hTRIG4 rate: 393 | hTRIG5 rate: 40.2 | hTRIG6 rate: 40

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: DIS

Events 0.2M Charge ____C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 3.45 (μA)

Run Number: 4702 | 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): 11:41:46 | Stop time (from RC): 11:53:03

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

hTRIG1 rate: 40 | hTRIG3 rate: 4364 | hTRIG4 rate: 866 | hTRIG5 rate: 40 | hTRIG6 rate: 40

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: DIS - Dummy (10 cm)

Events 0.52 Charge ____C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 3.4 (μA)

Run Number: 4703 | I_{beam}: 8 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): 11:57:52 | Stop time (from RC): 12:08:15

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

hTRIG1 rate: 40 | hTRIG3 rate: 1737 | hTRIG4 rate: 368 | hTRIG5 rate: 40 | hTRIG6 rate: 40

☐ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 0.228 Charge ____C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 3.4 (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: ___/___/___ (yy/mm/dd) Initials: _____

Kinematics: KinC_x36_6

Purpose: ☐ Production ☐ Test ☐ Optics ☐ Other: DIS

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2mm x 2mm

Beam position and angle on target:

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

3H07C X	Y
0.6 mm	0.3 mm
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 = 468 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 4704

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: 0 PS5: 1 PS6: _____

Start time (from RC): 12:18:14

Stop time (from RC): 12:31:24

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

hTRIG1 rate: 40 | hTRIG3 rate: 7869 | hTRIG4 rate: 1617

hTRIG5 rate: 40 | hTRIG6 rate: 40

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 1.1M Charge ____C

Active trigger LiveTime fraction (NPS Scaler Gui):

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

Run Number: 4707

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: 0 PS5: 1 PS6: 1

Start time (from RC): 12:37:06

Stop time (from RC): 12:47:02

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

hTRIG1 rate: 40 | hTRIG3 rate: 4130 | hTRIG4 rate: 844

hTRIG5 rate: 40 | hTRIG6 rate: 40

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events ____ Charge ____C

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

Max NPS anode current (single crystal): 2.93 (μA)

Run Number: 4708

I_{beam}: 3 μA

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

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

Start time (from RC): 12:49:19

Stop time (from RC): 12:59:16

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

hTRIG1 rate: 40 | hTRIG3 rate: 1675 | hTRIG4 rate: 364

hTRIG5 rate: 40 | hTRIG6 rate: 40

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events ____ Charge ____C

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

Max NPS anode current (single crystal): 3.43 (μA)

Run Number: _____

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:

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: 24/02/26 (yy/mm/dd) Initials: RMM

Kinematics: KinC_x 36b

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: FC calibration

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 10.54 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: +/- 5.038 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS
θ(TV): 23.80 (Nearest 0.005)

NPS
θ = SHMS −16.30° = 7.5 (Nearest 0.005)

Collimator: HMS: Large [x] Sieve [ ]

NPS Sweep Magnet I = 469 Amp

NPS Upstream Corr. I = 6 Amp

NPS Upstream Corr. I = 0 Amp

Run Number: 4709

I_{beam}: ____ 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): ____

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: FC Calibration

Events____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 4710

I_{beam}: ____ μA

[ ] LH2 10cm [ ] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [x] Empty

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

Start time (from RC): 2:15:03

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: BCM Calibration

Events____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 4711

I_{beam}: 16 μA

[x] LH2 10cm [ ] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ] ____

PS1: -1 PS2: -1 PS3: -1 PS4: 40 PS5: -1 PS6: -1

Start time (from RC): ____

Stop time (from RC): ____

[x] Settings Verified? [x] HV OK? [ ] 50k OK?

hTRIG1 rate ____ hTRIG3 rate ____ hTRIG4 rate ____

hTRIG5 rate ____ hTRIG6 rate ____

[ ] Data ok [ ] Junk

[x] coin_sparse [ ] coin [ ] coin_sparse_low

Comments: jumbo magnets off

Events____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 4712

I_{beam}: 16 μA

[x] 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): 16:53

Stop time (from RC): 17:27

[x] Settings Verified? [x] HV OK? [x] 50k OK?

hTRIG1 rate 2.47e6 hTRIG3 rate 2239 hTRIG4 rate 526

hTRIG5 rate 1413 hTRIG6 rate 325

[x] Data ok [ ] Junk

[x] coin_sparse [ ] coin [ ] coin_sparse_low

Comments: start of production

Events 938K Charge 27m C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 14.93 (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: 24/02/26 (yy/mm/dd) Initials: RMM

Kinematics: KinC_x 36_6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.541 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 -2.416 GeV/c
p: +/- [illegible] From GUI θ(TV): 26.85 Nearest 0.005

SHMS
θ(TV): 23.8 Nearest 0.005

NPS
θ = SHMS −16.30°: 7.5 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: 4713
I_{beam}: 16 μA
☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.I ☑ _____
PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1
Start time (from RC): 17:28
Stop time (from RC): 18:15
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate: 2.41e6 hTRIG3 rate: 2185 hTRIG4 rate: 526
hTRIG5 rate: 1395 hTRIG6 rate: 332
☑ Data ok ☐ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments:
Events 1.27 Charge 37.6 nC
Active trigger LiveTime fraction (NPS Scaler Gui): 100%
Max NPS anode current (single crystal): 14.85 (μA)

Run Number: 4714
I_{beam}: 12 μA
☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.I ☐ _____
PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1
Start time (from RC): 18:26
Stop time (from RC): 18:56
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate: 2.23e6 hTRIG3 rate: 2098 hTRIG4 rate: 529
hTRIG5 rate: 1429 hTRIG6 rate: 303
☑ Data ok ☐ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments:
Events 870K Charge 18.3 nC
Active trigger LiveTime fraction (NPS Scaler Gui): 100%
Max NPS anode current (single crystal): 24.14 (μA)

Run Number: 4715
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: 0 PS5: -1 PS6: -1
Start time (from RC): 18:58
Stop time (from RC): 19:18
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate: 2.13e6 hTRIG3 rate: 1735 hTRIG4 rate: 389
hTRIG5 rate: [illegible] 889 hTRIG6 rate: [illegible] 145
☑ Data ok ☐ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments:
Events 417K Charge 8.4 nC
Active trigger LiveTime fraction (NPS Scaler Gui): 100%
Max NPS anode current (single crystal): 15.86 (μA)

Run Number: 4716
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: 0 PS5: -1 PS6: -1
Start time (from RC): 19:28
Stop time (from RC): 19:58
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate: 2.6e6 hTRIG3 rate: 4235 hTRIG4 rate: 893
hTRIG5 rate: 3889 hTRIG6 rate: 617
☑ Data ok ☐ Junk
☑ coin_sparse ☐ in ☐ coin_sparse_low
Comments: 1st of LD2 runs.
Events 1.4M Charge 12.3 nC
Active trigger LiveTime fraction (NPS Scaler Gui): 60%
Max NPS anode current (single crystal): 12.72 (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 / 02 / 26 (yy / mm / dd) Initials: RMM

Kinematics: KinC_x 36-6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.541 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

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

HMS p: +/- 2.416 (From GUI) θ(TV): 26.85 (Nearest 0.005)

SHMS θ(TV): 23.8 (Nearest 0.005)

NPS θ = SHMS −16.30° 7.5 (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: 4717 | I_{beam}: 8 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): 19:59 | Stop time (from RC): 20:31

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

hTRIG1 rate: 2.54 e6 | hTRIG3 rate: 4365 | hTRIG4 rate: 896 | hTRIG5 rate: 3110 | hTRIG6 rate: 676

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: (15 min) 2nd of LD_2 runs

Events 791K | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 12.46 (μA)

Run Number: 4718 | I_{beam}: 8 μA

Beam MCC toggle beam away

☐ 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): 21:26 | Stop time (from RC): 22:11

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

hTRIG1 rate: 2.6 e6 | hTRIG3 rate: 4250 | hTRIG4 rate: 889 | hTRIG5 rate: 2997 | hTRIG6 rate: 646

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: (45 min) 3rd of LD_2 runs

Events 2.3M | Charge 19.6 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 12.82 (μA)

Run Number: 4719 | I_{beam}: 8 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): 22:12 | Stop time (from RC): 22:42

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

hTRIG1 rate: 2.6e6 | hTRIG3 rate: 4165 | hTRIG4 rate: 868 | hTRIG5 rate: 2983 | hTRIG6 rate: 637

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4th of LD_2 runs

Events 1.46M | Charge 12.8 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 13.17 (μA)

Run Number: 4720 | I_{beam}: 8 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): 22:43 | Stop time (from RC): 23:16

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

hTRIG1 rate: 2.6 e6 | hTRIG3 rate: 4478 | hTRIG4 rate: 900 | hTRIG5 rate: 3063 | hTRIG6 rate: 656

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 5th of LD_2 runs

Events 1.56M | Charge 13.7 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 12.73 (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 / 02 / 26 (yy / mm / dd) Initials: RMM

Kinematics: KinC_x 366

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

HMS: p: +/- -2.416 (From GUI) θ(TV): 26.85 (Nearest 0.005)

SHMS: θ(TV): 23. (Nearest 0.005)

NPS: θ = SHMS −16.30° = 7.5 (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: 4721 | I_{beam}: 8 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): 23:17 | Stop time (from RC): 23:48

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

hTRIG1 rate: 2.56e6 | hTRIG3 rate: 4080 | hTRIG4 rate: 857 | hTRIG5 rate: 2961 | hTRIG6 rate: 627

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 6th of LD2 runs

Events 1.53 Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 12.83 (μA)

Run Number: 4722 | I_{beam}: 8 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): 23:49 | Stop time (from RC): 0:26

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

hTRIG1 rate: 2.59e6 | hTRIG3 rate: 4209 | hTRIG4 rate: 885 | hTRIG5 rate: 2972 | hTRIG6 rate: 623

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 7th of LD2 runs

Events 1.65 Charge 14.5 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 12.31 (μA)

Run Number: 4723 | I_{beam}: 8 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): 0:27 | Stop time (from RC): 1:00

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

hTRIG1 rate: 2.39 | hTRIG3 rate: 3749 | hTRIG4 rate: 872 | hTRIG5 rate: 2846 | hTRIG6 rate: 634

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 8

Events 1.6M 13.94m Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 12.02 (μA)

Run Number: 4724 | I_{beam}: 8 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): 1:01 | Stop time (from RC): 1:36

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

hTRIG1 rate: 2.58 | hTRIG3 rate: 4161 | hTRIG4 rate: 891 | hTRIG5 rate: 3012 | hTRIG6 rate: 640

☑ Data ok ☐ Junk

coin_sparse ☑ in ☐ coin_sparse_low ☐

Comments: 9

Events 1.6M 13.91m Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 12 (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 / 2 / 27 (yy / mm / dd) Initials: ____

Kinematics: KinC_x____

Purpose: ☐ Production ☐ Test ☐ Optics ☐ Other: ____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2 x 2

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: +/- 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): −23.80 (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 = — Amp | NPS Upstream Corr. I = — Amp

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Run Number: 4725 | 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: 0 PS5: −1 PS6: −1

Start time (from RC): 1.38 | Stop time (from RC): 2.16

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

hTRIG1 rate: 2.59 | hTRIG3 rate: 4148 | hTRIG4 rate: 871 | hTRIG5 rate: 2932 | hTRIG6 rate: 632

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10

Events 1.9 m | Charge 16.73 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9

Max NPS anode current (single crystal): 12.39 (μA)

Run Number: 4726 | 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: 0 PS5: −1 PS6: −1

Start time (from RC): 2.17 | Stop time (from RC): 2.48

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

hTRIG1 rate: 2.59 | hTRIG3 rate: 4324 | hTRIG4 rate: 858 | hTRIG5 rate: 2912 | hTRIG6 rate: 633

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 11

Events 1.5 m | Charge 12.96 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9

Max NPS anode current (single crystal): 12.70 (μA)

Run Number: 4727 | 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: 0 PS5: −1 PS6: −1

Start time (from RC): 2.50 | Stop time (from RC): 3.21

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

hTRIG1 rate: 2.56 | hTRIG3 rate: 4224 | hTRIG4 rate: 846 | hTRIG5 rate: 2961 | hTRIG6 rate: 629

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 12

Events 1.56 m | Charge 13.45 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 94

Max NPS anode current (single crystal): 12.79 (μA)

Run Number: 4728 | I_{beam}: 6 μA

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

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

Start time (from RC): 3.23 | Stop time (from RC): 3.44

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

hTRIG1 rate: 2.38 m | hTRIG3 rate: 3135 | hTRIG4 rate: 630 | hTRIG5 rate: 1750 | hTRIG6 rate: 392

☑ Data ok ☐ Junk

☑ coin_sparse ☐ in ☐ oin_sparse_low

Comments:

Events 817 k | Charge 6.92 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 9.3 (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: 24 / 02 / 27 (yy / mm / dd) Initials: _____

Kinematics: KinC_x_____

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 10.539 GeV

Raster: [x] On [ ] Off Size: 2x2

Beam position and angle on target:

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

HMS: p: +/- 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS: θ(TV): −23.80 (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 = _____ Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 4729 | I_{beam}: 4 μA

LH2 10cm [ ] LD2 10cm [x] 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): 3.48 Stop time (from RC): _____

Settings Verified? [x] HV OK? [x] 50k OK? [x]

hTRIG1 rate: 1.89 hTRIG3 rate: 2139 hTRIG4 rate: 434 hTRIG5 rate: 946 hTRIG6 rate: 231

Data ok [x] Junk [ ]

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments:

Events 559K Charge 4.71 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 6.62 (μA)

Run Number: 4730 | I_{beam}: 8 μA

LH2 10cm [ ] LD2 10cm [x] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl [ ] [ ]

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

Start time (from RC): 4.12 Stop time (from RC): 4.28

Settings Verified? [x] HV OK? [ ] 50k OK? [x]

hTRIG1 rate: 2.6M hTRIG3 rate: 4179 hTRIG4 rate: 867 hTRIG5 rate: 2985 hTRIG6 rate: 635

Data ok [x] Junk [ ]

coin_sparse [x] coin [x] coin_sparse_low [ ]

Comments: 4731 run # coin

Events 373K Charge 6.46 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

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

Run Number: 4733 | I_{beam}: 12 μA

LH2 10cm [x] 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): 4.44 Stop time (from RC): 5.18

Settings Verified? [x] HV OK? [x] 50k OK? [x]

hTRIG1 rate: 2.03 hTRIG3 rate: 1673 hTRIG4 rate: 388 hTRIG5 rate: 814 hTRIG6 rate: 214

Data ok [x] Junk [ ]

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments: LH2 1/8

Events 651K Charge 18.37 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 11.21 (μA)

Run Number: 4734 | I_{beam}: 12 μA

LH2 10cm [x] 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): 5.19 Stop time (from RC): 5.58

Settings Verified? [x] HV OK? [x] 50k OK? [x]

hTRIG1 rate: 2 hTRIG3 rate: 1613 hTRIG4 rate: 377 hTRIG5 rate: 758 hTRIG6 rate: 210

Data ok [x] Junk [ ]

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments: 2/8

Events 699K Charge 19.20 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 10.88 (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 / 02 / 27 (yy / mm / dd) Initials: _____

Kinematics: KinC_x_____

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 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: +/- 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): -23.80 (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 = _____ Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 4735 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 6.00 | Stop time (from RC): 6.33

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

hTRIG1 rate: 2.01 | hTRIG3 rate: 1601 | hTRIG4 rate: 398

hTRIG5 rate: 772 | hTRIG6 rate: 204

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/8

Events 658K (18-60 m) Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 10.54 (μA)

Run Number: 4736 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 6.34 | Stop time (from RC): 7.00

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

hTRIG1 rate: 2.06 | hTRIG3 rate: 1642 | hTRIG4 rate: 396

hTRIG5 rate: 849 | hTRIG6 rate: 222

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/8 (Data - 15 min)

Events 342K (9-16 m) Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 10.86 (μA)

Run Number: 4737 | 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: 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:

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 4738 | I_{beam}: _____ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☑ C 0.5% rl.l No

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

Start time (from RC): 08:19 | Stop time (from RC): 08:59

☐ 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: Coin_vld, LED run

Events 639K 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: 24/02/27 (yy/mm/dd) Initials: CH

Kinematics: KinC_x36-6

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	1.696 mm (Nomin:)	0.299 mm (Nomin:)
3H07C	0.695 mm (Nomin:)	0.298 mm (Nomin:)

HMS p: +2.416 From GUI θ(TV): 26.86 Nearest 0.005

SHMS θ(TV): -23.80 Nearest 0.005

NPS θ = SHMS −16.30° Nearest 0.005

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 466 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 4740 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 09:31 | Stop time (from RC): 10:02

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

hTRIG1 rate: 2.06M | hTRIG3 rate: 1645.4 | hTRIG4 rate: 349.4 | hTRIG5 rate: 821.6 | hTRIG6 rate: 213.0

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4th again

Events 680K | Charge 19 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 11.14 (μA)

Run Number: 4741 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 10:04 | Stop time (from RC): 10:15

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

hTRIG1 rate: 2.04M | hTRIG3 rate: 1633.6 | hTRIG4 rate: 394.5 | hTRIG5 rate: 774.6 | hTRIG6 rate: 227.4

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5th run (stopped in 10 min)

Events 143K | Charge 3.7 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 10.40 (μA)

Run Number: 4742 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 10:34 | Stop time (from RC): 11:08

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

hTRIG1 rate: 2.04M | hTRIG3 rate: 1605.7 | hTRIG4 rate: 381.4 | hTRIG5 rate: 803.7 | hTRIG6 rate: 216.0

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6th run

Events 661K | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 11.21 (μA)

Run Number: 4743 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 11:11 | Stop time (from RC): 11:41

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

hTRIG1 rate: 2.05M | hTRIG3 rate: 1667.3 | hTRIG4 rate: 388.3 | hTRIG5 rate: 790.9 | hTRIG6 rate: 197.0

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7th run

Events 671K | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 | Max NPS anode current (single crystal): 11.79 (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: 2K / 02 / 27 (yy / mm / dd) Initials: CH

Kinematics: KinC_x 36_6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.702 mm	0.297 mm	0.693 mm	0.311 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS p: +/- 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): -23.80 (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: 4744 | I_{beam}: 12 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: -1

Start time (from RC): 11:43 | Stop time (from RC): 12:13

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

hTRIG1 rate: 2.03 M | hTRIG3 rate: 1665.2 | hTRIG4 rate: 402.4 | hTRIG5 rate: 847.3 | hTRIG6 rate: 213.6

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8th run

Events 697K | Charge 20 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 11.48 (μA)

Run Number: 4745 | I_{beam}: 6 μA

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

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

Start time (from RC): 12:16 | Stop time (from RC): 12:36

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

hTRIG1 rate: 1.44M | hTRIG3 rate: 1104.7 | hTRIG4 rate: 268.6 | hTRIG5 rate: 424.0 | hTRIG6 rate: 127.4

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 20-min run

Events 305K | Charge 8.2mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 7.23 (μA)

Run Number: 4746 | I_{beam}: 6 μA

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

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

Start time (from RC): 12:39 | Stop time (from RC): 13:10

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

hTRIG1 rate: 1.16 M | hTRIG3 rate: 836.6 | hTRIG4 rate: 222.7 | hTRIG5 rate: 264.2 | hTRIG6 rate: 83.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 30-min run

Events 395K | Charge 5.93C (5.93m) | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 6.00 (μA)

Run Number: 4747 | I_{beam}: 12 μA

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

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

Start time (from RC): 13:13 | Stop time (from RC): 13:28

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

hTRIG1 rate: 2.04M | hTRIG3 rate: 1652.8 | hTRIG4 rate: 396.9 | hTRIG5 rate: 803.1 | hTRIG6 rate: 216.0

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: 15-min run

Events 313K | Charge 8.9mC (8.9m) | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 11.45 (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 / 10 / 27 (yy / mm / dd) Initials: CM

Kinematics: KinC_x 36_6

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	1.700 mm (Nomin:)	0.308 mm (Nomin:)
3H07C	0.691 mm (Nomin:)	0.293 mm (Nomin:)

HMS

p: +2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS

θ(TV): -23.80 (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: 4748 | 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): 14:10 | Stop time (from RC): 14:21

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

hTRIG1 rate: 40.2 | hTRIG3 rate: 33.2 | hTRIG4 rate: 212.9 | hTRIG5 rate: 40.2 | hTRIG6 rate: 40.0

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Carbon 0.5X0, 10 min run at 20 μA

Events 100K | Charge 8 mC | Active trigger LiveTime fraction (NPS Scaler Gui) | Max NPS anode current (single crystal) 3.62 (μA)

Run Number: 4749 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 14:25 | Stop time (from RC): 14:37

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

hTRIG1 rate: 40.0 | hTRIG3 rate: 515.6 | hTRIG4 rate: 146.6 | hTRIG5 rate: 40.0 | hTRIG6 rate: 40.0

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 〃 10 min run at 12 μA

Events 93K | Charge 7.4 C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 3.36 (μA)

Run Number: 4750 | I_{beam}: 8 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): 14:39 | Stop time (from RC): 14:51

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

hTRIG1 rate: 40.0 | hTRIG3 rate: 368.6 | hTRIG4 rate: 103.9 | hTRIG5 rate: 40.2 | hTRIG6 rate: 40.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10 min run at 8 μA

Events 65K | Charge 4.3m C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 2.91 (μA)

Run Number: 4751 | I_{beam}: 3 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): 14:53 | Stop time (from RC): 15:07

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

hTRIG1 rate: 40.0 | hTRIG3 rate: 156.3 | hTRIG4 rate: 66.2 | hTRIG5 rate: 40.0 | hTRIG6 rate: 40.0

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10 min run at 3 μA

Events 51K | Charge 2.1m C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 3.40 (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 / 2 / 27 (yy / mm / dd) Initials: JR

Kinematics: KinC_x 36.6 position

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 10.5 GeV

Raster: ☒ On ☐ Off Size: 2x2

HMS p: 2.916 From GUI θ(TV): 26.86 Nearest 0.005

SHMS θ(TV): 23.80 Nearest 0.005

NPS θ = SHMS −23.80 −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

Beam position and angle on target:

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

Run Number: 4752 | 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: 0 PS5: −1 PS6: −1

Start time (from RC): 16:32 | Stop time (from RC): 17:04

☐ 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: #1/4

Events 909k Charge 53 C | Active trigger LiveTime fraction (NPS Scaler Gui) | Max NPS anode current (single crystal) (μA)

Run Number: 4753 | 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: 0 PS5: −1 PS6: −1

Start time (from RC): ~~17:10~~ | Stop time (from RC):

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

hTRIG1 rate: ~~2x10^6~~ | hTRIG3 rate: ~~7500~~ | hTRIG4 rate: 630 | hTRIG5 rate: ~~380~~ | hTRIG6 rate: ~~340~~ | ☐ Data ok ☒ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: DAQ hangup restarted

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

Run Number: 4754 | 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: 0 PS5: −1 PS6: −1

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

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

hTRIG1 rate: 2x10^6 | hTRIG3 rate: 7500 | hTRIG4 rate: 630 | hTRIG5 rate: 3802 | hTRIG6 rate: 340 | ☐ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #2/4

Events 899k Charge 15.5 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 11 (μA)

Run Number: 4755 | 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: 0 PS5: −1 PS6: −1

Start time (from RC): 17:41 | Stop time (from RC): 18:10

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

hTRIG1 rate: 2x10^6 | hTRIG3 rate: 7400 | hTRIG4 rate: 650 | hTRIG5 rate: 3500 | hTRIG6 rate: 331 | ☐ Data ok ☐ Junk

☒ coin_sparse ☐ in ☐ oin_sparse_low

Comments: #3/4

Events 1.1M Charge 19.2 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 / 2 / 27 (yy / mm / dd) Initials: JR

Kinematics: KinC_x 36.6 position

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 10.5 GeV

Raster: ☒ On ☐ Off Size: 2 x 2

Beam position and angle on target:

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

HMS p: 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): 23.80 (Nearest 0.005)

NPS θ = SHMS − 23.80 = −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: 4756 | I_{beam}: 12 μA

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

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

Start time (from RC): 18:12 | Stop time (from RC): 18:45

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

hTRIG1 rate: 2x10^6 | hTRIG3 rate: 7500 | hTRIG4 rate: 650 | hTRIG5 rate: 3700 | hTRIG6 rate: 356

☐ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: #4/4

Events: 1.1M | Charge: 19.7 C

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

Max NPS anode current (single crystal): 10.5 (μA)

Run Number: 4757 | I_{beam}: 12 μA

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

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

Start time (from RC): 18:54 | Stop time (from RC): 19:26

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

hTRIG1 rate: 2.2x10^6 | hTRIG3 rate: 11600 | hTRIG4 rate: 860 | hTRIG5 rate: 6000 | hTRIG6 rate: 480

☐ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: #1/1

Events: 1.4M | Charge: 10.3 C

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

Max NPS anode current (single crystal): 24 (μA)

Run Number: 4758 | 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: 0 PS5: −1 PS6: −1

Start time (from RC): 1937 | Stop time (from RC): 20:06

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

hTRIG1 rate: 2.6x10^6 | hTRIG3 rate: 14400 | hTRIG4 rate: 1200 | hTRIG5 rate: 10100 | hTRIG6 rate: 850

☐ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: #1/6

Events: 1.5M | Charge: ____ C

Active trigger LiveTime fraction (NPS Scaler Gui):

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

Run Number: 4759 | 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: 0 PS5: −1 PS6: −1

Start time (from RC): 20.07 | Stop time (from RC): 20:32

☐ 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: #2/6

Events: 2M | 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 / 2 / 27 (yy / mm / dd) Initials: JP.

Use a separate sheet for each configuration.

Kinematics: KinC_x______

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: ______

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 10.5 GeV

Raster: [x] On [ ] Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.7 mm (Nomin:)	0.30 mm (Nomin:)
3H07C	0.7 mm (Nomin:)	0.3 mm (Nomin:)

HMS p: (+) 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): 26.86 (Nearest 0.005)

NPS θ = SHMS −16.30°: 23.80 (Nearest 0.005)

Collimator: HMS: Large [x] Sieve [ ] | NPS Sweep Magnet I = 969 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Field	Run 4760	Run 4761	Run 4762	Run 4763
Target	LD2 10cm	LD2 10cm	LD2 10cm	LD2 10cm
I_{beam} (μA)	8	8	8	8μ
PS1	-1			-1
PS2	-1			-1
PS3	-1			-1
PS4	0			0
PS5	-1			-1
PS6	-1			-1
Start time (from RC)	20:40	21:02	21:38	22:06
Stop time (from RC)	20:57	21:37	22:05	22:28
Settings Verified?	[ ]	[ ]	[ ]	[ ]
HV OK?	[ ]	[x]	[x]	[x]
50k OK?	[ ]	[x]	[x]	[x]
hTRIG1 rate		2.6x10^6		
hTRIG3 rate		14k		
hTRIG4 rate		1200		
hTRIG5 rate		10k		
hTRIG6 rate		830		
Data ok	[ ]	[ ]	[ ]	[ ]
Junk	[x] ??	[ ]	[ ]	[ ]
Trigger	coin_sparse [x]	coin_sparse [x]	coin_sparse [x]	coin_sparse [x]
Comments	DAQ stopped taking data, stopped run, 'did not stop' reset DAQ	#3/6	#4/6	stopped b/c of acc down. Beam stopped @ 22:13
Events	940k	2.3	1.8	400k
Charge (C)				
Active trigger LiveTime fraction (NPS Scaler Gui)		100%		
Max NPS anode current (single crystal) (μA)		12		

Target options: LH2 10cm, LD2 10cm, Dummy 10cm, Optics#1 8cm, C 0.5% rl.l, ______

Trigger options: coin_sparse, coin, coin_sparse_low

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

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

Use a separate sheet for each configuration.

Date: 24 / 02 / 28 (yy / mm / dd) Initials: JR

Kinematics: KinC_x

Purpose: [X] Production [ ] Test [ ] Optics [ ] Other: ____

HMS, field, current OK? yes [X] no [ ]

E_{beam}: 10.5 GeV

Raster: [X] On [ ] Off Size: 2 x 2

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: +/- 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): 23.80 (Nearest 0.005)

NPS θ = SHMS −16.30° (Nearest 0.005)

Collimator: HMS: Large [X] Sieve [ ] | NPS Sweep Magnet I = 2 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 4764 | I_{beam}: 8 μA

LH2 10cm [ ] LD2 10cm [X] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.I [ ] ____

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

Start time (from RC): 23:01 Stop time (from RC): 23:32

Settings Verified? [ ] HV OK? [X] 50k OK? [X]

hTRIG1 rate 7.6x10^6 | hTRIG3 rate 14k | hTRIG4 rate 1200 | hTRIG5 rate 10k | hTRIG6 rate 830

Data ok [ ] Junk [ ]

coin_sparse [X] coin [ ] coin_sparse_low [ ]

Comments: # 5/6

Events 1.0 Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 12.4 (μA)

Run Number: 4765 | I_{beam}: 8 μA

LH2 10cm [ ] LD2 10cm [X] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.I [ ] ____

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

Start time (from RC): 23:33 Stop time (from RC): 00:03

Settings Verified? [ ] HV OK? [X] 50k OK? [X]

hTRIG1 rate ~~1.08~~ 2.1x10^6 | hTRIG3 rate 141K | hTRIG4 rate 1200 | hTRIG5 rate 10K | hTRIG6 rate ~~12 870~~

Data ok [ ] Junk [ ]

coin_sparse [X] coin [ ] coin_sparse_low [ ]

Comments: #6/6

Events 1.9M Charge 12.19m C | Active trigger LiveTime fraction (NPS Scaler Gui) | Max NPS anode current (single crystal) (μA)

Run Number: 4766 | I_{beam}: 12 μA

LH2 10cm [X] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.I [ ] ____

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

Start time (from RC): 0:10 Stop time (from RC): 0:47

Settings Verified? [X] HV OK? [X] 50k OK? [X]

hTRIG1 rate 2.03 | hTRIG3 rate 7563 | hTRIG4 rate 661 | hTRIG5 rate 3704 | hTRIG6 rate 342

Data ok [X] Junk [ ]

coin_sparse [X] coin [ ] coin_sparse_low [ ]

Comments: 1/4

Events 1.1M Charge 18.48m C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 10.95 (μA)

Run Number: 4767 | I_{beam}: 12 μA

LH2 10cm [X] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.I [ ] ____

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

Start time (from RC): 0.49 Stop time (from RC): 1:21

Settings Verified? [X] HV OK? [X] 50k OK? [X]

hTRIG1 rate 2.03 | hTRIG3 rate 7465 | hTRIG4 rate 647 | hTRIG5 rate 3762 | hTRIG6 rate 344

Data ok [X] Junk [ ]

coin_sparse [X] in [ ] coin_sparse_low [ ]

Comments: 2/4

Events 1.07m Charge 18.49m C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9 | Max NPS anode current (single crystal) 11.09 (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: 24 / 07 / 28 (yy / mm / dd) Initials: _____

Kinematics: KinC_x_____

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

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

HMS p: +/- 2.416 (From GUI) θ(TV): 26.36 (Nearest 0.005)

SHMS θ(TV): -23.80 (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 = _____ Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 4768 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 1.25 | Stop time (from RC): 1.57

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

hTRIG1 rate: 2.1 | hTRIG3 rate: 7628 | hTRIG4 rate: 665 | hTRIG5 rate: 3737 | hTRIG6 rate: 352

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 3/4

Events 1.12M (19.35m) Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 11.43 (μA)

Run Number: 4769 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 1.58 | Stop time (from RC): 2.51

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

hTRIG1 rate: 2.07 | hTRIG3 rate: 7449 | hTRIG4 rate: 629 | hTRIG5 rate: 3650 | hTRIG6 rate: 322

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 4/4

Events 1.2M (21.06m) Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 11.27 (μA)

Run Number: 4770 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 3.03 | Stop time (from RC): 3.35

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

hTRIG1 rate: 2.17 | hTRIG3 rate: 11480 | hTRIG4 rate: 874 | hTRIG5 rate: 6071 | hTRIG6 rate: 4182

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 1/1

Events 1.47 (18.29m) Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): ~~18.92~~ 23.26 (μA)

Run Number: 4771 | I_{beam}: 8 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): 3.45 | Stop time (from RC): 4.24

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

hTRIG1 rate: 2.59 | hTRIG3 rate: 14270 | hTRIG4 rate: 1191 | hTRIG5 rate: 10847 | hTRIG6 rate: 485

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 1/6

Events 2M (12.66m) Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 12.08 (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 / 02 / 28 (yy / mm / dd) Initials: ____

Kinematics: KinC_x____

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 2416 From GUI θ(TV): 23.86 Nearest 0.005

SHMS θ(TV): -23.85 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 = ____ Amp | NPS Upstream Corr. I = ____ Amp

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:

Run Number: 4772 | I_{beam}: 8 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): 4.25 Stop time (from RC): 4.56

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

hTRIG1 rate: 2.55 hTRIG3 rate: 13809 hTRIG4 rate: 1132 hTRIG5 rate: 9521 hTRIG6 rate: 808

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 2/6

Events 1.98M Charge 12.69mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9

Max NPS anode current (single crystal): 12.43 (μA)

Run Number: 4773 | I_{beam}: 8 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): 4.57 Stop time (from RC): 5.30

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

hTRIG1 rate: 2.58 hTRIG3 rate: 14347 hTRIG4 rate: 1166 hTRIG5 rate: 10079 hTRIG6 rate: 859

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 3/6

Events 2.1M Charge 13.61mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 12.4 (μA)

Run Number: 4774 | I_{beam}: 8 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): 5.31 Stop time (from RC): 6.03

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

hTRIG1 rate: 2.59 hTRIG3 rate: 14412 hTRIG4 rate: 1220 hTRIG5 rate: 10060 hTRIG6 rate: 857

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 4/6

Events 2.06M Charge 13mC

Active trigger LiveTime fraction (NPS Scaler Gui): 96

Max NPS anode current (single crystal): 12.46 (μA)

Run Number: 4776 | I_{beam}: 8 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): 6.07 Stop time (from RC): ____

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

hTRIG1 rate: 2.59 hTRIG3 rate: 14389 hTRIG4 rate: 1177 hTRIG5 rate: 10178 hTRIG6 rate: 853

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 5/6

Events 1.75M Charge 10.77mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.97%

Max NPS anode current (single crystal): 11.87 (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 / 02 / 28 (yy / mm / dd) Initials: AA

Kinematics: KinC_x_____

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

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

HMS: p: +/- 2.416 From GUI; θ(TV): 26.88 Nearest 0.005

SHMS: θ(TV): -23.80 Nearest 0.005

NPS: θ = SHMS −16.30° Nearest 0.005

Collimator: HMS: Large ☑ Sieve ☐ | *NPS Sweep Magnet* I = 463 Amp | *NPS Upstream Corr.* I = _____ Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 4777 | I_{beam}: 8 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): 6:38 | Stop time (from RC): 7:05

☑ 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: 6/6

Events 1.5M *Charge* 7.8M C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.93 %

Max NPS anode current (single crystal): 12.17 (μA)

Run Number: 4784 | I_{beam}: _____ μA

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

PS1: _____ PS2: 1 PS3: _____ PS4: 0 PS5: 1 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: LED PS4=0

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 ☐ out of Beam

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

Start time (from RC): 18:22:01 | Stop time (from RC): 14:02:40

☐ 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, PS2=0

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 / 2 / 28 (yy / mm / dd) Initials: JC

Kinematics: KinC_x_____

Purpose: ☒ 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:

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

HMS p: +~~0~~ 2.4160 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): −23.80 (Nearest 0.005)

NPS θ = SHMS −16.30° ~~−23.80~~ (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: 4787 | 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: 0 PS5: −1 PS6: −1

Start time (from RC): 22:09 | Stop time (from RC): | ☒ Settings Verified? ☐ HV OK? ☐ 50k OK?

hTRIG1 rate: 2.1x10^6 | hTRIG3 rate: ~~1700~~ | hTRIG4 rate: 390 | hTRIG5 rate: 940 | hTRIG6 rate: 210 | ☐ Data ok ☒ Junk

coin_sparse ☒ *coin* ☐ *coin_sparse_low* ☐

Comments: NPS crate reboot needed

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

Run Number: 4788 | 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: 0 PS5: −1 PS6: −1

Start time (from RC): 22:40 | Stop time (from RC): 23:17 | ☒ Settings Verified? ☐ HV OK? ☒ 50k OK?

hTRIG1 rate: 2.2x10^6 | hTRIG3 rate: 2600 | hTRIG4 rate: 530 | hTRIG5 rate: 1300 | hTRIG6 rate: 300 | ☐ Data ok ☐ Junk

coin_sparse ☐ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 1.1m *Charge* 23mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 23 (μA)

Run Number: 4789 | I_{beam}: 4 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): 23:39 | Stop time (from RC): 23:57 | ☒ Settings Verified? ☐ HV OK? ☐ 50k OK?

hTRIG1 rate: 2.1x10^6 | hTRIG3 rate: 1.7K | hTRIG4 rate: 370 | hTRIG5 rate: 860 | hTRIG6 rate: 190 | ☐ Data ok ☐ Junk

coin_sparse ☐ *coin* ☐ *coin_sparse_low* ☐

Comments: Large charge asymmetry

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

Run Number: 4790 | I_{beam}: 8 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): 0:08 | Stop time (from RC): 0:28 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.05 | hTRIG3 rate: 1753 | hTRIG4 rate: 372 | hTRIG5 rate: 822 | hTRIG6 rate: 205 | ☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events 428 *Charge* ~~8.68~~ 8.68C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.43 | Max NPS anode current (single crystal): ~~15.28~~ 15.53 (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: 24/02/29 (yy/mm/dd) Initials: ____

Kinematics: KinC_x____

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.532 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: +/- 2.446 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): −23.86 (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 = ____ Amp | NPS Upstream Corr. I = ____ Amp

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Run Number: 4791 | I_{beam}: 8 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): 0.30 | Stop time (from RC): 0.51

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

hTRIG1 rate: 2.14·10^6 | hTRIG3 rate: 1808 | hTRIG4 rate: 377

hTRIG5 rate: 894 | hTRIG6 rate: 209

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 452k | Charge 9.37 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 15.79 (μA)

Run Number: 4792 | I_{beam}: 8 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): 1.00 | Stop time (from RC): 1.30

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

hTRIG1 rate: 2.59·e6 | hTRIG3 rate: 4226 | hTRIG4 rate: 904

hTRIG5 rate: 3028 | hTRIG6 rate: 664

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/12

Events 1.38M | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.94 %

Max NPS anode current (single crystal): 11.49 (μA)

Run Number: 4793 | I_{beam}: 8 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): 1.31 | Stop time (from RC): 2.02

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

hTRIG1 rate: 2.59.e6 | hTRIG3 rate: 4260 | hTRIG4 rate: 878

hTRIG5 rate: 3018 | hTRIG6 rate: 662

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/12 | no beam for 10 minutes

Events 1.09 M | Charge 9.30 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.96

Max NPS anode current (single crystal): 11.59 (μA)

Run Number: 4794 | I_{beam}: 8 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): 2.57 | Stop time (from RC): ____

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

hTRIG1 rate: 2.59·10^6 | hTRIG3 rate: 4318 | hTRIG4 rate: 877

hTRIG5 rate: 3012 | hTRIG6 rate: 633

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/12

Events 2.17M | Charge 18.58 m C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 11.5 (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: 24 / 02 / 29 (yy / mm / dd) **Initials:** _____

Kinematics: KinC_x _____

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 10.538 GeV

Raster: [x] 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: +/- 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS
θ(TV): −23.8 (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 = _____ Amp NPS Upstream Corr. I = _____ Amp

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Run Number: 4795
I_{beam}: 8 μA
- [ ] LH2 10cm
- [x] 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): 3.42
Stop time (from RC): 4.13

Settings Verified? [x] HV OK? [x] 50k OK? [x]

hTRIG1 rate: 2.6 hTRIG3 rate: 4451 hTRIG4 rate: 894
hTRIG5 rate: 3143 hTRIG6 rate: 623

[x] Data ok [ ] Junk

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments: 4/12

Events 1.5M Charge 12.69mC

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

Max NPS anode current (single crystal): 12.05 (μA)

Run Number: 4796
I_{beam}: 8 μA
- [ ] LH2 10cm
- [x] 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): 4.14
Stop time (from RC): 4.45

Settings Verified? [x] HV OK? [x] 50k OK? [x]

hTRIG1 rate: $2.57 \cdot 10^6$ hTRIG3 rate: 4159 hTRIG4 rate: 912
hTRIG5 rate: 3000 hTRIG6 rate: 629

[x] Data ok [ ] Junk

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments: 5/12

Events 1.5M Charge 13.18mC

Active trigger LiveTime fraction (NPS Scaler Gui): 180

Max NPS anode current (single crystal): 11.74 (μA)

Run Number: ~~4797~~ 4797
I_{beam}: 8 μA
- [ ] LH2 10cm
- [x] 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): 4.46
Stop time (from RC): 5.06

Settings Verified? [x] HV OK? [x] 50k OK? [x]

hTRIG1 rate: $2.59 \cdot 10^6$ hTRIG3 rate: 4340 hTRIG4 rate: 896
hTRIG5 rate: 3045 hTRIG6 rate: 623

[x] Data ok [ ] Junk

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments: 6/12 | 4797

Events 593k Charge 4.94C

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

Max NPS anode current (single crystal): 11.82 (μA)

Run Number: ~~4798~~ 4798
I_{beam}: 8 μA
- [ ] LH2 10cm
- [x] 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): ~~6.06~~ 6.06
Stop time (from RC): 6.44

Settings Verified? [x] HV OK? [x] 50k OK? [x]

hTRIG1 rate: $2.59 \cdot 10^6$ hTRIG3 rate: 4244 hTRIG4 rate: 855
hTRIG5 rate: 2960 hTRIG6 rate: 640

[x] Data ok [ ] Junk

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments: 4798 | 7/12

Events 1.9M Charge 16.86mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 11.83 (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: 24/02/29 (yy/mm/dd) Initials: ____

Kinematics: KinC_x 2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 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: +/- 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): -23.80 (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 = ____ Amp | NPS Upstream Corr. I = ____ Amp

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Run Number: 4799 | I_{beam}: 8 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): 6.46 | Stop time (from RC): 7.16 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 2.59·10^6 | hTRIG3 rate 4250 | hTRIG4 rate 894 | hTRIG5 rate 3020 | hTRIG6 rate 620 | ☑ Data ok ☐ Junk

☐ coin ☑ coin_sparse ☐ coin_sparse_low | Comments: 8/12 | Events 1.4M | Charge 12.16 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 11.37 (μA)

Run Number: 4800 | I_{beam}: 8 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): 7.16 | Stop time (from RC): 7.48 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 2.59 e^6 | hTRIG3 rate 4341 | hTRIG4 rate 911 | hTRIG5 rate 3127 | hTRIG6 rate 653 | ☑ Data ok ☐ Junk

☐ coin ☑ coin_sparse ☐ coin_sparse_low | Comments: 9/12 | Events 1.27M | Charge 11.33 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 11.8 (μA)

Run Number: 4801 | I_{beam}: 8 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): ~~7.49~~ 7.50 | Stop time (from RC): 8:20 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 2.59e^6 | hTRIG3 rate 4276 | hTRIG4 rate 880 | hTRIG5 rate 3031 | hTRIG6 rate 645 | ☑ Data ok ☐ Junk

☐ coin ☑ coin_sparse ☐ coin_sparse_low | Comments: 10/12 | Events 1.36M | Charge 11.81 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 11.89 (μA)

Run Number: 4802 | I_{beam}: 8 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): 8:22 | Stop time (from RC): 8:52 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 2.58e^6 | hTRIG3 rate 4243 | hTRIG4 rate 870 | hTRIG5 rate 2928 | hTRIG6 rate 611 | ☑ Data ok ☐ Junk

☐ coin ☑ coin_sparse ☐ coin_sparse_low | Comments: 11/12 | Events 1.52M | Charge 12.96 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.97 | Max NPS anode current (single crystal) 11.47 (μA)

p(e,e'γ) p Run Sheet

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

Date: 24 / 12 / 29 (yy / mm / dd) Initials: T.S

Use a separate sheet for each configuration.

Kinematics: KinC_x 36_6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.71 mm	0.3 mm
3H07C	0.7 mm	0.3 mm

HMS p: +2.41 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): -23.8 (Nearest 0.005)

NPS θ = SHMS −16.30° 10.56 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 416 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

Run Number	I_{beam} (μA)	Target	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	Trigger	Comments	Events	Charge	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)
4863	8	LD2 10cm	-1	-1	-1	0	-1	1	8:55	9:26	☑	☑	☑	2.53e6	4252	873	2953	624	Data ok ☑	coin_sparse ☑	12/12	4M	20.1 mC	99.965	11.7
4804	6	LD2 10cm	-1	-1	-1	0	-1	-1	9:27	9:49	☑	☑	☑	2.3e6	3201	680	1899	418	Data ok ☑	coin_sparse ☑	Current: 8→6 μA, time: 30→20min	1.99M	6.93 mC	99.973	8.48
4865	4	LD2 10cm	-1	-1	-1	0	-1	-1	10:12	10:35	☑	☑	☑	1.89e6	2123	453	960	221	Data ok ☑	coin_sparse ☑	6→4 μA	0.58M	5.09 mC	~~99.88~~ /100	5.88
4806	4	LD2 10cm	-1	-1	-1	1	-1	-1	10:40	10:58	☑	☑	☑	2.39e6	4288	891	3078	638	~~Data ok~~		4μA→8μA, PS4: 0→1.	0.34M	6.86 mC		

p(e,e'γ) p Run Sheet

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

Date: 24 / 2 / 29 (yy mm dd) Initials: T.S

Use a separate sheet for each configuration.

Kinematics: KinC_x36-6

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: ______

HMS, field, current OK? yes [x] no [ ]

E_beam: 10.537 GeV

Raster: [x] On [ ] Off Size: 2x2

Beam position and angle on target:

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

HMS p: ⊘ (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): 23.2 (Nearest 0.005)

NPS θ = SHMS −16.30° 10.56 (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: 4808 — I_beam: 12 μA
- Target: [x] 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): 11:08 — Stop time (from RC): 11:39
- [x] Settings Verified? [x] HV OK? [x] 50k OK?
- hTRIG1 rate: 2.02e6 — hTRIG3 rate: 1712 — hTRIG4 rate: 402
- hTRIG5 rate: 832 — hTRIG6 rate: 212
- [ ] Data ok [x] Junk
- [x] coin_sparse [ ] coin [ ] coin_sparse_low
- Comments: 1/8
- Events: 0.64M Charge: 18.01 mC
- Active trigger LiveTime fraction (NPS Scaler Gui): 99.936
- Max NPS anode current (single crystal): 10.38 (μA)

Run Number: 4809 — I_beam: 12 μA
- Target: [x] 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): 11:40 — Stop time (from RC): 12:06
- [ ] Settings Verified? [x] HV OK? [ ] 50k OK?
- hTRIG1 rate: 2.03e6 — hTRIG3 rate: 1661 — hTRIG4 rate: 461
- hTRIG5 rate: 775 — hTRIG6 rate: 210
- [ ] Data ok [x] Junk
- [x] coin_sparse [ ] coin [ ] coin_sparse_low
- Comments: 2/8
- Events: ____ Charge: ____ C
- Active trigger LiveTime fraction (NPS Scaler Gui): 100
- Max NPS anode current (single crystal): 10.14 (μA)

Run Number: 4810 — I_beam: 12 μA
- Target: [x] LH2 10cm [ ] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ]
- PS1: 0, PS2: -1, PS3: -1, PS4: -1, PS5: -1, PS6: -1
- Start time (from RC): 12:16 — Stop time (from RC):
- [x] Settings Verified? [x] HV OK? (NO) 50k OK?
- hTRIG1 rate: 200 — hTRIG3 rate: 599 — hTRIG4 rate: 571
- hTRIG5 rate: 200 — hTRIG6 rate: 200
- [x] Data ok [ ] Junk
- [ ] coin_sparse [x] coin [ ] coin_sparse_low
- Comments: EDTM Bkgd NPS cold?
- Events: ____ Charge: 5.1 mC
- Active trigger LiveTime fraction (NPS Scaler Gui): 0
- Max NPS anode current (single crystal): 10.45 (μA)

Run Number: 4811 — I_beam: 8 μA
- Target: [ ] LH2 10cm [x] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ]
- PS1: 0, PS2: -1, PS3: -1, PS4: -1, PS5: -1, PS6: -1
- Start time (from RC): 12:34 — Stop time (from RC): 12:44
- [x] Settings Verified? [x] HV OK? [ ] 50k OK?
- hTRIG1 rate: 200 — hTRIG3 rate: 4457 — hTRIG4 rate: 1043
- hTRIG5 rate: 200 — hTRIG6 rate: 200
- [x] Data ok [ ] Junk
- [ ] coin_sparse [x] coin [ ] coin_sparse_low
- Comments: EDTM Bkgd
- Events: 112k Charge: 3.43 mC
- Active trigger LiveTime fraction (NPS Scaler Gui): 0
- Max NPS anode current (single crystal): 11.7 (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 / 02 / 29 (yy / mm / dd) Initials: ERK

Kinematics: KinC_x 36

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	3H07A	X	Y	3H07C	X	Y
1.693		1.7 mm	0.3 mm	1.71°	0.7 mm	0.3 mm
230	Nomin: 1		Nomin:	182	Nomin:	Nomin:

HMS	SHMS	NPS
p: +/- 10.538 (From GUI) θ(TV): 26.86 (Nearest 0.005)	θ(TV): -23.80 (Nearest 0.005)	θ = SHMS −16.30° 10.56 (Nearest 0.005)

Collimator:	HMS: Large ☑ Sieve ☐	NPS Sweep Magnet I = 498 Amp	NPS Upstream Corr. I = 0 Amp	NPS Upstream Corr. I = 0 Amp

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Run Number: 4815 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 18:23 | Stop time (from RC): 18:54

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

hTRIG1 rate: 2.04 MHz | hTRIG3 rate: 1470 | hTRIG4 rate: 385 | hTRIG5 rate: 882 | hTRIG6 rate: 204

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: 1/8

Events: 628k | Charge: 17.7 mC

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

Max NPS anode current (single crystal): 10.09 (μA)

Run Number: 4816 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 18:55 | Stop time (from RC): 19:30

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

hTRIG1 rate: 2.05 MHz | hTRIG3 rate: 1693 | hTRIG4 rate: 405 | hTRIG5 rate: 794 | hTRIG6 rate: 214

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: 2/8

Events: 653k | Charge: 18.5 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.94%

Max NPS anode current (single crystal): 10.19 (μA)

Run Number: 4817 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 19:31 | Stop time (from RC): 19:56

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

hTRIG1 rate: 2.0 MHz | hTRIG3 rate: 1700 | hTRIG4 rate: 403 | hTRIG5 rate: 847 | hTRIG6 rate: 223

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Beam off a/t 10 min, long runs

4618, 4619 JUNK

Events: 191k | Charge: 4.15 mC

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

Max NPS anode current (single crystal): 10.46 (μA)

Run Number: 4820 | I_{beam}: 12 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): 00:23:44 | Stop time (from RC): 00:56:29

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

hTRIG1 rate: 2.06×10^6 | hTRIG3 rate: 1687 | hTRIG4 rate: 399 | hTRIG5 rate: 846 | hTRIG6 rate: 226

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/8

Events: 0.72M | Charge: ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.96%

Max NPS anode current (single crystal): 10.31 (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 / 3 / 1 (yy / mm / dd) Initials: AS

Kinematics: KinC_x 36-6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 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: +(-) 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): 23.80 (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: 4821 | I_{beam}: 12 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): 00:57:30 | Stop time (from RC): 1:29:22

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

hTRIG1 rate: 2.09x10⁶ | hTRIG3 rate: 1687 | hTRIG4 rate: 404 | hTRIG5 rate: 846 | hTRIG6 rate: 219

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/8

Events 0.7M | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.99 %

Max NPS anode current (single crystal): 10.37 (μA)

Run Number: 4822 | I_{beam}: 12 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): 1:30:31 | Stop time (from RC): 2:00:28

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

hTRIG1 rate: 2.07x10⁶ | hTRIG3 rate: 1669 | hTRIG4 rate: 386 | hTRIG5 rate: 845 | hTRIG6 rate: 216

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/8

Events 0.63M | Charge ____ C

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

Max NPS anode current (single crystal): 10.40 (μA)

Run Number: 4823 | I_{beam}: 12 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): 2:01:26 | Stop time (from RC): 2:29:45

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

hTRIG1 rate: 2.03x10⁶ | hTRIG3 rate: 1647 | hTRIG4 rate: 395 | hTRIG5 rate: 843 | hTRIG6 rate: 217

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/8

Events 0.67M | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.92 %

Max NPS anode current (single crystal): 10.24 (μA)

Run Number: 4824 | I_{beam}: 12 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): 2:30:44 | Stop time (from RC): 2:56:18

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

hTRIG1 rate: 2.05x10⁶ | hTRIG3 rate: 1710 | hTRIG4 rate: 399 | hTRIG5 rate: 877 | hTRIG6 rate: 220

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/8 only got beam for 10min.

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 / 3 / 1 (yy / mm / dd) Initials: AS

Kinematics: KinC_x 36-6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

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

HMS p: +2.416 From GUI θ(TV): 26.86 Nearest 0.005

SHMS θ(TV): 23.80 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: 4825 | I_{beam}: 12 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): 3:17:02 | Stop time (from RC): 3:47:09

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

hTRIG1 rate: 2.05×10^6 | hTRIG3 rate: 1672 | hTRIG4 rate: 380 | hTRIG5 rate: 850 | hTRIG6 rate: 211

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/8

Events 0.68M | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.92 %

Max NPS anode current (single crystal): 10.70 (μA)

Run Number: 4826 | I_{beam}: 12 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): 3:48:09 | Stop time (from RC): 4:07:08

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

hTRIG1 rate: 2.04×10^6 | hTRIG3 rate: 1813 | hTRIG4 rate: 414 | hTRIG5 rate: 891 | hTRIG6 rate: ~~886~~ 228

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/8 got beam only for 15min.

Events 0.25M | Charge ____ C

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

Max NPS anode current (single crystal): 9.58 (μA)

Run Number: 4829 | I_{beam}: 12 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): 9:56:23 | Stop time (from RC): 10:23:27

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

hTRIG1 rate: 2.02×10^6 | hTRIG3 rate: 1770 | hTRIG4 rate: 400 | hTRIG5 rate: 895 | hTRIG6 rate: 228

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: + 8/8

Events 0.58 | Charge 11.28 C

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

Max NPS anode current (single crystal): 10.28 (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 ☐ in ☐ _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 / 03 / 01 (yy / mm / dd) Initials: AA

Kinematics: KinC_x 36_6

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	1.71 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.61 mm (Nomin:)	0.3 mm (Nomin:)

HMS p: +/- −2.416 (From GUI) θ(TV): 26.84 (Nearest 0.005)

SHMS θ(TV): 23.79 (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 = 6 Amp

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Run Number: 4830 | 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: 0 PS5: 1 PS6: 1

Start time (from RC): 10:25:42 | Stop time (from RC): 10:46:12

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

hTRIG1 rate 1.53X10^6 | hTRIG3 rate 1159 | hTRIG4 rate 274 | hTRIG5 rate 429 | hTRIG6 rate 119

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/1

Events_____ Charge____C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) 6.73 (μA)

Run Number: 4831 | I_{beam}: 6 μA

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

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

Start time (from RC): 10:47:38 | Stop time (from RC): 11:17:49

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

hTRIG1 rate 1.15X10^6 | hTRIG3 rate 862 | hTRIG4 rate 210 | hTRIG5 rate 256 | hTRIG6 rate 87

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/1

Events 0.34 Charge____C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) 5.19 (μA)

Run Number: 4832 | I_{beam}: 12 μA

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

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

Start time (from RC): 11:20:13 | Stop time (from RC): 11:35:49

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

hTRIG1 rate 2.5X10^6 | hTRIG3 rate 1699 | hTRIG4 rate 390 | hTRIG5 rate 819 | hTRIG6 rate 215

☐ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: 1/1

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.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:

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

Kinematics: KinC_x36-6

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:	0.28 mm Nomin:
3H07C	0.61 mm Nomin:	0.3 mm Nomin:

HMS p: +/- _____ From GUI; θ(TV): 26.86 Nearest 0.005

SHMS θ(TV): 23.79 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 = 0.00 Amp | NPS Upstream Corr. I = 0.00 Amp

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Run Number: 4833 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 11:50:19 | Stop time (from RC): 12:20:59

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

hTRIG1 rate: 2.21e+6 | hTRIG3 rate: 2564.8 | hTRIG4 rate: 518.6 | hTRIG5 rate: 1419.5 | hTRIG6 rate: 299.5

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 0.84M Charge 17.67 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.975% | Max NPS anode current (single crystal): 23.77 (μA)

Run Number: 4834 | I_{beam}: 8 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): 12:23:56 | Stop time (from RC): 12:43:33

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

hTRIG1 rate: 2.08e+6 | hTRIG3 rate: 1775.2 | hTRIG4 rate: 369.0 | hTRIG5 rate: 822.9 | hTRIG6 rate: 192.4

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events .41M Charge 8.31mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.697% | Max NPS anode current (single crystal): 15.14 (μA)

Run Number: 4835 | I_{beam}: 8 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): 12:57:02 | Stop time (from RC): 13:27:29

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

hTRIG1 rate: 2.58e+6 | hTRIG3 rate: 4197.6 | hTRIG4 rate: 882.0 | hTRIG5 rate: 3002.2 | hTRIG6 rate: 619.9

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/12

Events 1.46M Charge 12.48mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.904% | Max NPS anode current (single crystal): 11.20 (μA)

Run Number: 4836 4836 | I_{beam}: 8 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): 13:30:15 | Stop time (from RC): 14:02:30

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

hTRIG1 rate: 2.58e+6 | hTRIG3 rate: 4207.8 | hTRIG4 rate: 872.7 | hTRIG5 rate: 2967.4 | hTRIG6 rate: 628.9

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ n_sparse_low ☐

Comments: 2/12

Events 1.51M Charge 13.5 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.962% | Max NPS anode current (single crystal): 11.56 (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 36-6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2 x 2

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.69 mm	0.3 mm	0.702 mm	0.32 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS: p: +/- _____ (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS: θ(TV): 23.79 (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 = 0.60 Amp | NPS Upstream Corr. I = 0.00 Amp

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Run Number: 4837 | I_{beam}: 8 μA

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

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

Start time (from RC): 14:03:39 | Stop time (from RC): 14:33:47

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

hTRIG1 rate: 2.58e+6 | hTRIG3 rate: 4206.0 | hTRIG4 rate: 881.6 | hTRIG5 rate: 3033.6 | hTRIG6 rate: 649.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/12

Events 1.33M | Charge 1.5mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.937% | Max NPS anode current (single crystal): 11.47 (μA)

Run Number: 4838 | I_{beam}: 8 μA

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

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

Start time (from RC): 14:35:38 | Stop time (from RC): 15:09:14

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

hTRIG1 rate: 2.58e+6 | hTRIG3 rate: 4169.5 | hTRIG4 rate: 851.5 | hTRIG5 rate: 2902.5 | hTRIG6 rate: 613.4

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4/12 extra because no beam 5 min

Events 1.27 | Charge ___C | Active trigger LiveTime fraction (NPS Scaler Gui): 100.00% | Max NPS anode current (single crystal): 2.28 (μA)

Run Number: 4839 | I_{beam}: 8 μA

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

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

Start time (from RC): 15:10 36 | Stop time (from RC): 15:40:40

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

hTRIG1 rate: 2.6x10^6 | hTRIG3 rate: 4252 | hTRIG4 rate: 862 | hTRIG5 rate: 3023 | hTRIG6 rate: 630

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 5/12

Events 1.48M | Charge ___C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.58% | Max NPS anode current (single crystal): 11.61 (μA)

Run Number: 4840 | I_{beam}: 8 μA

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

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

Start time (from RC): 15:42:06 | Stop time (from RC): 1613

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

hTRIG1 rate: 2.58x10^6 | hTRIG3 rate: 4312 | hTRIG4 rate: 900 | hTRIG5 rate: 2931 | hTRIG6 rate: 622

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 6/12

Events 1.612702 | Charge ___C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.96 % | Max NPS anode current (single crystal): 11.46 (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 / 03 / 01 (yy / mm / dd) Initials: AS

Kinematics: KinC_x 36_6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2 x 2

Beam position and angle on target:

3H07A X	Y
1.7 mm (Nomin:)	8.28 mm (Nomin:)
3H07C X	Y
0.7 mm (Nomin:)	0.29 mm (Nomin:)

HMS

p: +/- −2.4160 From GUI θ(TV): 26.86 Nearest 0.005

SHMS

θ(TV): 23.79 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: 4841 | 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: 0 PS5: −1 PS6: −1

Start time (from RC): 1619 | Stop time (from RC): 1649

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

hTRIG1 rate 2.54e+06 | hTRIG3 rate 4360 | hTRIG4 rate 426.7 | hTRIG5 rate 3145 | hTRIG6 rate 627

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/12

Events 1503445 Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 11.85 (μA)

Run Number: 4842 | 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: 0 PS5: −1 PS6: −1

Start time (from RC): 1650 | Stop time (from RC): 1720

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

hTRIG1 rate 2.54e+06 | hTRIG3 rate 4400 | hTRIG4 rate 415 | hTRIG5 rate 2456 | hTRIG6 rate 630

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/12

Events 1.5M Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 11.49 (μA)

Run Number: 4843 | 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: 0 PS5: −1 PS6: −1

Start time (from RC): 1722 | 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: 9/12

Events 1.3M Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

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

Run Number: 4844 | 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: 0 PS5: −1 PS6: −1

Start time (from RC): 1755 | Stop time (from RC): 1825

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

hTRIG1 rate 2.59e+06 | hTRIG3 rate 4400 | hTRIG4 rate 8 90 | hTRIG5 rate 3043 | hTRIG6 rate 650

☑ Data ok ☐ Junk

☑ coin_sparse ☐ in ☐ n_sparse_low

Comments: 10/12

Events 1.4M Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 11.48 (μA)

p(e,e'γ) p Run Sheet

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

Date: 24/03/01 (yy mm dd) **Initials:** AS

Use a separate sheet for each configuration.

Kinematics: KinC_x36_6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off — Size: 2 x 2

HMS p: +/- −2.4160 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): 23.79 (Nearest 0.005)

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

Beam position and angle on target:

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

Field	Run 4845	Run 4846	Run 4847	Run 4848
I_{beam} (μA)	8	8	6	4
Target	LD2 10cm ☑	LD2 10cm ☑	LD2 10cm ☑	LD2 10cm ☑
PS1	-1	-1	-1	-1
PS2	-1	-1	-1	-1
PS3	-1	-1	-1	-1
PS4	0	0	0	0
PS5	-1	-1	-1	-1
PS6	-1	-1	-1	-1
Start time (from RC)	1828	1904	1938	2006
Stop time (from RC)	1903	1935	2003	2033
Settings Verified?	☑	☑	☑	☑
HV OK?	☐	☑	☑	☐
50k OK?	☑	☑	☐	☐
hTRIG1 rate	2.58e+06	2.58e+06	2.36e+06	1.89e+06
hTRIG3 rate	4200	4250	3200	2177
hTRIG4 rate	900	900	670	470
hTRIG5 rate	3026	3030	1900	976
hTRIG6 rate	630	620	380	227
Data ok / Junk	Data ok ☑	Data ok ☑	Data ok ☑	Data ok ☑
Trigger	coin_sparse ☑	coin_sparse ☑	coin_sparse ☑	coin_sparse ☑
Comments	11/12	12/12		Abrupt drop in heater power. Stabilized again in 5 min
Events	1.7M	1.5M	8.6M	751204
Charge (C)				
Active trigger LiveTime fraction (NPS Scaler Gui)				
Max NPS anode current (single crystal) (μA)	11.41	11.38	8.57	5.55

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

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

Use a separate sheet for each configuration.

Date: 24 / 03 / 01 (yy / mm / dd) Initials: AS

Kinematics: KinC_x 56--6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

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

HMS p: +/- −2.460 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): 23.79 (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: 4850 | I_{beam}: 8 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): 2040 | Stop time (from RC): 2157

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

hTRIG1 rate: 2.58e+06 | hTRIG3 rate: 4293 | hTRIG4 rate: 916 | hTRIG5 rate: 3000 | hTRIG6 rate: 607

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments:

Events 527,581 Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal): 10.73 (μA)

Run Number: 4851 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): ~~2034~~ 2113 | Stop time (from RC): 2142

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

hTRIG1 rate: ~~1.98e+06~~ 1.98e+06 | hTRIG3 rate: 1670 | hTRIG4 rate: 370 | hTRIG5 rate: 830 | hTRIG6 rate: 145

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/8

Events ~~62285~~ Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal): 10.30 (μA)

Run Number: 4852 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 2143 | Stop time (from RC): 2214

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

hTRIG1 rate: 1.98e+06 | hTRIG3 rate: 1674 | hTRIG4 rate: 388 | hTRIG5 rate: 830 | hTRIG6 rate: 200

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/8

Events 716,530 Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal): 10.33 (μA)

Run Number: 4853 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 2215 | Stop time (from RC): 2246

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

hTRIG1 rate: 1.99e+06 | hTRIG3 rate: 1725 | hTRIG4 rate: 404 | hTRIG5 rate: 844 | hTRIG6 rate: 214

☑ Data ok ☐ Junk

coin_sparse ☑ in ☐ n_sparse_low ☐

Comments: 3/8

Events 710000 Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal): 10.06 (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: 24 / 03 / 01 (yy / mm / dd) Initials: AS

Kinematics: KinC_x 36_6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2 x 2

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: +/- −2.4160 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): 23.74 (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: 4854 | I_{beam}: 12 μA

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

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

Start time (from RC): 2244 | Stop time (from RC): 2322

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

hTRIG1 rate: 2.05e+06 | hTRIG3 rate: 1660 | hTRIG4 rate: 404 | hTRIG5 rate: 834 | hTRIG6 rate: 217

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/8

Events 147526 Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui):

Max NPS anode current (single crystal): 10.38 (μA)

Run Number: 4855 | I_{beam}: 12 μA

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

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

Start time (from RC): 2323 | Stop time (from RC): 2356

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

hTRIG1 rate: 1.99e+06 | hTRIG3 rate: 1695 | hTRIG4 rate: 400 | hTRIG5 rate: 843 | hTRIG6 rate: 210

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/8

Events 122862 Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui):

Max NPS anode current (single crystal): 10.24 (μA)

Run Number: 4856 | I_{beam}: 12 μA

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

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

Start time (from RC): 2357 | Stop time (from RC): 00:28:03

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

hTRIG1 rate: 1.98e+06 | hTRIG3 rate: 1642 | hTRIG4 rate: 345 | hTRIG5 rate: 826 | hTRIG6 rate: 213

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/8

Events 0.7M Charge ____ C

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

Max NPS anode current (single crystal): 10.17 (μA)

Run Number: 4857 | I_{beam}: 12 μA

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

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

Start time (from RC): 00:29:06 | Stop time (from RC): 00:59:14

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

hTRIG1 rate: 1.99x10^6 | hTRIG3 rate: 1583 | hTRIG4 rate: 389 | hTRIG5 rate: 789 | hTRIG6 rate: 209

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/8

Events 0.7M Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.965%

Max NPS anode current (single crystal): 10.10 (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: 24 / 3 / 2 (yy / mm / dd) Initials: AS.

Kinematics: KinC_x 36-6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 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: +(-) 2.416 From GUI θ(TV): 26.86 Nearest 0.005

SHMS θ(TV): 23.80 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: 4858 | I_{beam}: 12 μA

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

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

Start time (from RC): 1:00:20 | Stop time (from RC): 1:30:09

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

hTRIG1 rate: 2.03×10^6 | hTRIG3 rate: 1728 | hTRIG4 rate: 401 | hTRIG5 rate: 812 | hTRIG6 rate: 220

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/8

Events 0.7M Charge ____C

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

Max NPS anode current (single crystal): 10.28 (μA)

Run Number: 4859 | I_{beam}: 8 μA

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

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

Start time (from RC): 1:31:51 | Stop time (from RC): 1:52:09

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

hTRIG1 rate: 1.47×10^6 | hTRIG3 rate: 1111 | hTRIG4 rate: 273 | hTRIG5 rate: 378 | hTRIG6 rate: 113

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 0.33M Charge ____C

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

Max NPS anode current (single crystal): 6.70 (μA)

Run Number: 4860 | I_{beam}: 6 μA

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

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

Start time (from RC): 1:53:41 | Stop time (from RC): 2:24

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

hTRIG1 rate: 1.12×10^6 | hTRIG3 rate: 845 | hTRIG4 rate: 235 | hTRIG5 rate: 254 | hTRIG6 rate: 87

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 0.4M Charge ____C

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

Max NPS anode current (single crystal): 5.16 (μA)

Run Number: 4861 | I_{beam}: 12 μA

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

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

Start time (from RC): 2:27:46 | Stop time (from RC): 2:49:03

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

hTRIG1 rate: 2.03×10^6 | hTRIG3 rate: 1676 | hTRIG4 rate: 406 | hTRIG5 rate: 827 | hTRIG6 rate: 215

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments:

Events 0.35M Charge ____C

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

Max NPS anode current (single crystal): 10.06 (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: 24 / 3 / 2 (yy / mm / dd) Initials: ____

Kinematics: KinC_x 36-6

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
1.7 mm	0.3 mm	0.7 mm	0.3 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS p: +/- 2.416 From GUI θ(TV): 28.86 Nearest 0.005

SHMS θ(TV): 23.80 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: 4862 | I_{beam}: 12 μA

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

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

Start time (from RC): 2:54:44 | Stop time (from RC): 3:29:52

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

hTRIG1 rate: 2.15×10^6 | hTRIG3 rate: 2670 | hTRIG4 rate: 522 | hTRIG5 rate: 1375 | hTRIG6 rate: 314

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 0.8M Charge ____C

Active trigger LiveTime fraction (NPS Scaler Gui): 98.38 %

Max NPS anode current (single crystal): 22.62 (μA)

Run Number: 4863 | I_{beam}: 8 μA

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

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

Start time (from RC): 3:31:41 | Stop time (from RC): 3:52:03

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

hTRIG1 rate: 1.98×10^6 | hTRIG3 rate: 1775 | hTRIG4 rate: 394 | hTRIG5 rate: 818 | hTRIG6 rate: 193

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 0.43M Charge ____C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.98 %

Max NPS anode current (single crystal): 14.43 (μA)

Run Number: 4864 | I_{beam}: 8 μA

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

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

Start time (from RC): 4:27:55 | Stop time (from RC): 4:58:55

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

hTRIG1 rate: 2.58×10^6 | hTRIG3 rate: 4226 | hTRIG4 rate: 878 | hTRIG5 rate: 3026 | hTRIG6 rate: 651

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/12

Events 1.5M Charge ____C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.98 %

Max NPS anode current (single crystal): 11.10 (μA)

Run Number: 4865 | I_{beam}: 8 μA

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

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

Start time (from RC): 4:59:52 | Stop time (from RC): 5:30:24

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

hTRIG1 rate: 2.58×10^6 | hTRIG3 rate: 4323 | hTRIG4 rate: 889 | hTRIG5 rate: 3019 | hTRIG6 rate: 638

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/12

Events 1M Charge ____C

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

Max NPS anode current (single crystal): 11.45 (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 / 3 / 2 (yy / mm / dd) **Initials:** AS

Kinematics: KinC_x 36-6

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:

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

HMS p: +02.416 (From GUI) θ(TV): 28.86 (Nearest 0.005)

SHMS θ(TV): 23.79 (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: 4866 | I_{beam}: 8 μA

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

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

Start time (from RC): 5:31:24 | Stop time (from RC): 6:02:05

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

hTRIG1 rate 2.58×10^6 | hTRIG3 rate 4296 | hTRIG4 rate 902 | hTRIG5 rate 3080 | hTRIG6 rate 651

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/12

Events 1.4M | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.89 %

Max NPS anode current (single crystal) 11.60 (μA)

Run Number: 4867 | I_{beam}: 8 μA

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

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

Start time (from RC): 6:03:10 | Stop time (from RC): 6:30:42

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

hTRIG1 rate 2.57×10^6 | hTRIG3 rate 4244 | hTRIG4 rate 904 | hTRIG5 rate 3104 | hTRIG6 rate 668

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/12

Events 1.4M | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.97 %

Max NPS anode current (single crystal) 11.39 (μA)

Run Number: 4868 | I_{beam}: 8 μA

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

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

Start time (from RC): 6:31:43 | Stop time (from RC): 6:58:42

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

hTRIG1 rate 2.58×10^6 | hTRIG3 rate 4324 | hTRIG4 rate 886 | hTRIG5 rate 3036 | hTRIG6 rate 653

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/12

Events 1.3M | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.98 %

Max NPS anode current (single crystal) 11.33 (μA)

Run Number: 4869 | I_{beam}: 8 μA

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

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

Start time (from RC): 6:59:39 | Stop time (from RC): 7:32:13

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

hTRIG1 rate 2.57×10^6 | hTRIG3 rate 4248 | hTRIG4 rate 869 | hTRIG5 rate 2876 | hTRIG6 rate 604

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/12

Events 1.5M | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.89 %

Max NPS anode current (single crystal) 11.24 (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 / 3 / 2 (yy / mm / dd) Initials: AS.

Kinematics: KinC_x36-6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 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: +θ 2.416 (From GUI) θ(TV): 28.86 (Nearest 0.005)

SHMS

θ(TV): 23.79 (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: 4870 | I_{beam}: 8 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): 7:33:18 | Stop time (from RC): 8:04:14

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

hTRIG1 rate: 2.57 X 10⁶ | hTRIG3 rate: 4216 | hTRIG4 rate: 860

hTRIG5 rate: 2879 | hTRIG6 rate: 612

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 7/12

Events 1.4M | Charge 132 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.97 %

Max NPS anode current (single crystal): 11.15 (μA)

Run Number: 4871 | I_{beam}: 8 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): 8:05 | Stop time (from RC): 8:36

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

hTRIG1 rate: 2.57e6 | hTRIG3 rate: 4251 | hTRIG4 rate: 896

hTRIG5 rate: 3146 | hTRIG6 rate: 652

Data ok ☐ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 8/12

Events 1.4M | Charge 125 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100.1 %

Max NPS anode current (single crystal): 11.65 (μA)

Run Number: 4872 | I_{beam}: 8 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): 8:37 | Stop time (from RC): 9:09

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

hTRIG1 rate: 2.58e6 | hTRIG3 rate: 4247 | hTRIG4 rate: 875

hTRIG5 rate: 2985 | hTRIG6 rate: 610

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 9/12

Events 1.6M | Charge 134 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.98 %

Max NPS anode current (single crystal): 11.2 (μA)

Run Number: 4873 | I_{beam}: 8 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): 9:10 | Stop time (from RC): 9:40

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

hTRIG1 rate: 2.57e6 | hTRIG3 rate: 4199 | hTRIG4 rate: 877

hTRIG5 rate: 2941 | hTRIG6 rate: 600

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 10/12

Events 1.5M | Charge 132 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.923

Max NPS anode current (single crystal): 11.2 (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: 24 / 3 / 2 (yy / mm / dd) Initials: T-S

Kinematics: KinC_x 36-6

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

HMS, field, current OK? yes ☐ no ☐

E_{beam}: 10.597 GeV

Raster: ☐ On ☐ Off Size: 2x2 mm²

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:)

HMS
p: +(-) 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS
θ(TV): -23.79 (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: 4894 | I_{beam}: 8 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): 9:41 | Stop time (from RC): 10:12

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

hTRIG1 rate: 2.58e6 | hTRIG3 rate: 4206 | hTRIG4 rate: 857 | hTRIG5 rate: 2847 | hTRIG6 rate: 664

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 11/12

Events: 1.484 m | Charge: 12.18 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.985 %

Max NPS anode current (single crystal): 11.09 (μA)

Run Number: 48975 | I_{beam}: 8 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): 10:22 | Stop time (from RC): 10:52

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

hTRIG1 rate: 2.57e6 | hTRIG3 rate: 4254 | hTRIG4 rate: 863 | hTRIG5 rate: 2913 | hTRIG6 rate: 634

Data ok ☐ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 12/12

Events: 1.1894 m | Charge: 12.68 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.93%

Max NPS anode current (single crystal): 11.31 (μA)

Run Number: ~~48870~~ 4896 | 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: 0 | PS5: -1 | PS6: -1

Start time (from RC): 14:32 | Stop time (from RC): 14:54

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

hTRIG1 rate: 2.3e6 | hTRIG3 rate: 3171 | hTRIG4 rate: 663 | hTRIG5 rate: 1833 | hTRIG6 rate: 405

Data ok ☐ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 8μA → 6μA.

Events: 0.752 m | Charge: 6.53 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.985 %

Max NPS anode current (single crystal): 8.39 (μA)

Run Number: 4897 | I_{beam}: 4 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): 14:56 | Stop time (from RC): 15:17

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

hTRIG1 rate: 1.86e6 | hTRIG3 rate: 2090 | hTRIG4 rate: 446 | hTRIG5 rate: 916 | hTRIG6 rate: 212

Data ok ☐ | Junk ☐

coin_sparse ☐ | coin ☐ | n_sparse_low ☐

Comments: 6μA → 4 μA.

Events: 0.552 m | Charge: 4.77 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.975

Max NPS anode current (single crystal): 5.81 (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 / 3 / 12 (yy / mm / dd) Initials: TS

Kinematics: KinC_x 36-6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 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: ~~+/-~~ 2.416 (From GUI) θ(TV): 26.84 (Nearest 0.005)

SHMS θ(TV): ~~23.09~~ (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: 4878 | I_{beam}: 8 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): 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: 4879 | I_{beam}: 8 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): 15:25

Stop time (from RC): 15:41

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

hTRIG1 rate: 2.58e6 | hTRIG3 rate: 4205 | hTRIG4 rate: 861

hTRIG5 rate: 2485 | hTRIG6 rate: 632

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: 4.8 μA, PS4: 0 → 1,

Events 0.38 M Charge 6.85 C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 4880 | 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: 0 PS5: -1 PS6: -1

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

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

hTRIG1 rate: 2.01e6 | hTRIG3 rate: 1597 | hTRIG4 rate: 402

hTRIG5 rate: 821 | hTRIG6 rate:

☐ Data ok ☑ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/8

Events _____ Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 4881 | 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: 6 PS5: -1 PS6: -1

Start time (from RC): 15:54

Stop time (from RC): 16:28

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

hTRIG1 rate: 2.01e6 | hTRIG3 rate: 1597 | hTRIG4 rate: 402

hTRIG5 rate: 821 | hTRIG6 rate: 213

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/8

Events 69312 Charge 20.03 C

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

Max NPS anode current (single crystal) (μA): 9.88

p(e,e'γ) p Run Sheet

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

Date: 24 / 3 / 2 (yy mm dd) Initials: DA

Use a separate sheet for each configuration.

Kinematics: KinC_x 36 - 6

Purpose: [x] Production [ ] Test [ ] Optics [ ] Other: ______

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 10.537 GeV

Raster: [x] On [ ] Off Size: 2x2 mm²

Beam position and angle on target:

	X	Y
3H07A	1.701 mm (Nomin: 1.7)	0.295 mm (Nomin: 0.3)
3H07C	0.701 mm (Nomin: 0.7)	0.301 mm (Nomin: 0.3)

HMS p: +/- 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): 23.079 (Nearest 0.005)

NPS θ = SHMS −16.30° (Nearest 0.005)

Collimator: HMS: Large [x] Sieve [ ] | NPS Sweep Magnet I = 1268 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	Trigger	Events	Charge	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)	Comments
4882, I_{beam}: 12 μA	LH2 10cm [x]	PS1: -1, PS2: -1, PS3: -1, PS4: 6, PS5: -1, PS6: -1	16:29	16:52	[x]	[x]	[x]	1.98x10⁶	1642	392	808	204	Data ok [x]	coin_sparse [x]	50k	14.6 mC	100%	9.72	2/8 Stopped by mistake
4883, I_{beam}: 12 μA	LH2 10cm [x]	PS1: -1, PS2: -1, PS3: -1, PS4: 0, PS5: -1, PS6: -1	16:53	17:38	[x]	[x]	[x]	2.01x10⁶	1667	420	882	205	Data ok [x]	coin_sparse [x]	918k	27.15 mC	100%	9.66	3/8 ran for 40 min to compensate the previous run
4884, I_{beam}: 12 μA	LH2 10cm [x]	PS1: -1, PS2: -1, PS3: -1, PS4: 0, PS5: -1, PS6: -1	17:40	18:15	[x]	[x]	[x]	2.0x10⁶	1638	383	824	206	Data ok [x]	coin_sparse [x]	727k	21.03 mC	100%	9.84	4/8
4885, I_{beam}: 12 μA	LH2 10cm [x]	PS1: -1, PS2: -1, PS3: -1, PS4: 0, PS5: -1, PS6: -1	18:17	18:52	[x]	[x]	[x]	2.02x10⁶	1692	391	802	211	Data ok [x]	coin_sparse [x]	750k	21.6 mC	100%	9.74	5/8

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

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

Use a separate sheet for each configuration.

Date: 24 / 3 / 2 (yy / mm / dd) Initials: DA

Kinematics: KinC_x 36-6

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 10.53 GeV

Raster: ☒ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

3H07A	X	Y
	1.711 mm	0.292 mm
Nomin:	1.7	0.3

3H07C	X	Y
	0.710 mm	0.295 mm
Nomin:	0.7	0.3

HMS p: +/- 2.216 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): 23.79 (Nearest 0.005)

NPS θ = SHMS −16.30° (Nearest 0.005)

Collimator: HMS: Large ☒ Sieve ☐ | NPS Sweep Magnet I = 4.68 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 4886 | I_{beam}: 12 μA

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

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

Start time (from RC): 18:54 | Stop time (from RC): 19:28

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

hTRIG1 rate: 2.0×10^6 | hTRIG3 rate: 1671 | hTRIG4 rate: 388 | hTRIG5 rate: 825 | hTRIG6 rate: 208

☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: 6/8

Events 751K | Charge 22.51m C

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

Max NPS anode current (single crystal): 9.91 (μA)

Run Number: 4887 | I_{beam}: 12 μA

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

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

Start time (from RC): 19:29 | Stop time (from RC): 20:08

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

hTRIG1 rate: 1.98×10^6 | hTRIG3 rate: 1738 | hTRIG4 rate: 392 | hTRIG5 rate: 832 | hTRIG6 rate: 205

☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: 7/8

Events 751K | Charge 21.61m C

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

Max NPS anode current (single crystal): 10.09 (μA)

Run Number: 4888 | I_{beam}: 12 μA

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

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

Start time (from RC): 20:09 | Stop time (from RC): 20:43

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

hTRIG1 rate: 2.01×10^6 | hTRIG3 rate: 1625 | hTRIG4 rate: 388 | hTRIG5 rate: 806 | hTRIG6 rate: 203

☒ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: 8/8

Events 785K | Charge 22.96m C

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

Max NPS anode current (single crystal): 9.53 (μA)

Run Number: 4889 | 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: 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: Junk/CODA needed to be restarted

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 / 3 / 2 (yy / mm / dd) Initials: DA

Kinematics: KinC_x 36_6

Purpose: [X] Production [ ] Test [ ] Optics [ ] Other: _____

HMS, field, current OK? yes [X] no [ ]

E_{beam}: 10.537 GeV

Raster: [X] On [ ] Off Size: 2x2 mm

Beam position and angle on target:

3H07A	X	Y
	1.718 mm	0.295 mm
Nomin:	1.7	0.3

3H07C	X	Y
	0.718 mm	0.292 mm
Nomin:	0.7	0.3

HMS: p: +/- 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS: θ(TV): 23.74 (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: 4890 | I_{beam}: 8 μA

[X] 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): 20:51 | Stop time (from RC): 21:07

[X] Settings Verified? [X] HV OK? [ ] 50k OK?

hTRIG1 rate: 1.41e+6 | hTRIG3 rate: 1128 | hTRIG4 rate: 284 | hTRIG5 rate: | hTRIG6 rate: | [ ] Data ok [ ] Junk

coin_sparse [X] coin [ ] coin_sparse_low [ ]

Comments: Junk/No beam

Events 76 | Charge ___ C | Active trigger LiveTime fraction (NPS Scaler Gui): | Max NPS anode current (single crystal): (μA)

Run Number: 4891 | I_{beam}: 8 μA

[X] 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): 21:13 | Stop time (from RC): 21:35

[X] Settings Verified? [X] HV OK? [X] 50k OK?

hTRIG1 rate: 1.48x10^6 | hTRIG3 rate: 1120 | hTRIG4 rate: 281 | hTRIG5 rate: 411 | hTRIG6 rate: 110 | [X] Data ok [ ] Junk

coin_sparse [X] coin [ ] coin_sparse_low [ ]

Comments: 8 uA

Events 350K | Charge 9.76 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 6.19 (μA)

Run Number: 4892 | I_{beam}: 6 μA

[X] 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): 21:38 | Stop time (from RC): 22:09

[X] Settings Verified? [X] HV OK? [X] 50k OK?

hTRIG1 rate: 1.09x10^6 | hTRIG3 rate: 4851 | hTRIG4 rate: 207 | hTRIG5 rate: 263 | hTRIG6 rate: 87 | [X] Data ok [ ] Junk

coin_sparse [X] coin [ ] coin_sparse_low [ ]

Comments: 6 uA

Events 403K | Charge 10.50 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 4.69 (μA)

Run Number: 4893 | I_{beam}: 12 μA

[X] 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): 22:12 | Stop time (from RC): 22:27

[X] Settings Verified? [X] HV OK? [X] 50k OK?

hTRIG1 rate: 1.99x10^6 | hTRIG3 rate: 1720 | hTRIG4 rate: 381 | hTRIG5 rate: 618 | hTRIG6 rate: 218 | [X] Data ok [ ] Junk

coin_sparse [ ] coin [X] coin_sparse_low [ ]

Comments: 12 uA coin

Events 561K | Charge 10.54 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 10.02 (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: 24 / 3 / 2 (yy / mm / dd) **Initials:** DA

Kinematics: KinC_x 36-6

Purpose: [x] Production [ ] Test [ ] Optics [ ] Other: _____

HMS, field, current OK? **yes** [x] **no** [ ]

E_{beam}: 10.537 GeV

Raster: [x] On [ ] Off Size: 2x2 mm^2

Beam position and angle on target:

3H07A	X	Y
	1.700 mm	0.281 mm
Nomin:	1.7	0.3
3H07C	X	Y
	0.742 mm	0.307 mm
Nomin:	0.7	0.3

HMS p: +/- 2.416 From GUI θ(TV): 26.86 Nearest 0.005

SHMS θ(TV): 23.79 Nearest 0.005

NPS θ = SHMS −16.30° Nearest 0.005

Collimator: HMS: Large [x] Sieve [ ] | NPS Sweep Magnet I = 1468 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 4804 | I_{beam}: 12 μA

[ ] LH2 10cm [ ] LD2 10cm [x] 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): 22:48 Stop time (from RC): 23:20

[x] Settings Verified? [x] HV OK? [ ] 50k OK?

hTRIG1 rate: 2.15×10^6 hTRIG3 rate: 2617 hTRIG4 rate: 544 hTRIG5 rate: 1385 hTRIG6 rate: 302

[ ] Data ok [ ] Junk

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments:

Events 1.135M Charge 22.09m C

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

Max NPS anode current (single crystal): 22.54 (μA)

Run Number: 4805 | I_{beam}: 8 μA

[ ] LH2 10cm [ ] LD2 10cm [x] 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): 23:31 Stop time (from RC): 23:55

[x] Settings Verified? [x] HV OK? [ ] 50k OK?

hTRIG1 rate: 1.99×10^6 hTRIG3 rate: 1827 hTRIG4 rate: 396 hTRIG5 rate: 848 hTRIG6 rate: 201

[ ] Data ok [ ] Junk

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments:

Events 1.133M Charge 9.86m C

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

Max NPS anode current (single crystal): 14.85 (μA)

Run Number: 4896 | I_{beam}: 8 μA

[ ] LH2 10cm [x] 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): 00:08 Stop time (from RC): 00:38

[x] Settings Verified? [x] HV OK? [x] 50k OK?

hTRIG1 rate: 2.58 M hTRIG3 rate: 4341.8 hTRIG4 rate: 871.0 hTRIG5 rate: 2890.5 hTRIG6 rate: 607.5

[ ] Data ok [ ] Junk

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments: ~~x~~ NPS crates failed in SSR plots 1st run of 12

Events 1.5M Charge 13m C

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

Max NPS anode current (single crystal): 10.98 (μA)

Run Number: 4897 | I_{beam}: 8 μA

[ ] LH2 10cm [x] 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): 00:40 Stop time (from RC): 01:10

[x] Settings Verified? [x] HV OK? [x] 50k OK?

hTRIG1 rate: 2.56M hTRIG3 rate: 4287.6 hTRIG4 rate: 895.1 hTRIG5 rate: 2895.9 hTRIG6 rate: 604.6

[x] Data ok [ ] Junk

coin_sparse [x] coin [ ] coin_sparse_low [ ]

Comments: 2nd run of 12

Events 1.5M Charge 13m C

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

Max NPS anode current (single crystal): 10.79 (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: 24/03/03 (yy/mm/dd) Initials: CM

Kinematics: KinC_x 36_6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☐ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

	X	Y
3H07A	1.692 mm (Nomin:)	0.309 mm (Nomin:)
3H07C	0.761 mm (Nomin:)	0.304 mm (Nomin:)

HMS p: +/- 2.416 From GUI; θ(TV): 26.86 Nearest 0.005

SHMS θ(TV): 23.80 Nearest 0.005

NPS θ = SHMS −16.30°: 7.5 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: 4898 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 01:11 | Stop time (from RC): 01:42

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

hTRIG1 rate: 2.57 M | hTRIG3 rate: 4163.8 | hTRIG4 rate: 856.3 | hTRIG5 rate: 2873.2 | hTRIG6 rate: 609.8

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: * NPS crates failed in 50k plots 3rd run of 12

Events 1.5M | Charge 14 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 11.08 (μA)

Run Number: 4899 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 01:13 | Stop time (from RC): 02:05

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

hTRIG1 rate: 2.57 M | hTRIG3 rate: 4209.7 | hTRIG4 rate: 874.7 | hTRIG5 rate: 2905.0 | hTRIG6 rate: 615.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4th

Events 1,114,56 | Charge 10 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % | Max NPS anode current (single crystal): 11.31 (μA)

Run Number: 4900 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 02:22 | Stop time (from RC): 02:52

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

hTRIG1 rate: 2.57 M | hTRIG3 rate: 4253.9 | hTRIG4 rate: 883.3 | hTRIG5 rate: 2954.3 | hTRIG6 rate: 585.1

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: * rebooted the NPS crates before the run 5th

Events 1.5M | Charge 13 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % | Max NPS anode current (single crystal): 11.2 (μA)

Run Number: 4901 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 02:54 | Stop time (from RC): 03:26

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

hTRIG1 rate: 2.58 M | hTRIG3 rate: 4282.9 | hTRIG4 rate: 881.8 | hTRIG5 rate: 2904.4 | hTRIG6 rate: 640.3

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ n_sparse_low ☐

Comments: 6th

Events 1.4M | Charge 13 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99 % | Max NPS anode current (single crystal): 10.86 (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: 24/03/03 (yy/mm/dd) Initials: CM

Kinematics: KinC_x36_6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

	X	Y
3H07A	1.703 mm (Nomin:)	0.308 mm (Nomin:)
3H07C	0.687 mm (Nomin:)	0.298 mm (Nomin:)

HMS: p: +/- 2.416 From GUI; θ(TV): 26.86 Nearest 0.005

SHMS: θ(TV): 23.80 Nearest 0.005

NPS: θ = SHMS −16.30° = 7.5 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: 4902 | I_{beam}: 8 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): 03:28 | Stop time (from RC): 03:59

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

hTRIG1 rate: 2.58M | hTRIG3 rate: 4327.7 | hTRIG4 rate: 899.6 | hTRIG5 rate: 2989.8 | hTRIG6 rate: 641.6

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7th

Events 1.4M | Charge 13 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % | Max NPS anode current (single crystal): 11.28 (μA)

Run Number: 4903 | I_{beam}: 8 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): 04:01 | Stop time (from RC): 04:32

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

hTRIG1 rate: 2.58M | hTRIG3 rate: 4329.3 | hTRIG4 rate: 905.4 | hTRIG5 rate: 3012.0 | hTRIG6 rate: 3011.8

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8th

Events 1.5M | Charge 13 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 11.42 (μA)

Run Number: 4904 | I_{beam}: 8 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): 04:33 | Stop time (from RC): 05:07

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

hTRIG1 rate: 2.57M | hTRIG3 rate: 4231.5 | hTRIG4 rate: 853.3 | hTRIG5 rate: 2898.4 | hTRIG6 rate: 620.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 9th

Events 1.4M | Charge 12 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 10.87 (μA)

Run Number: 4905 | I_{beam}: 8 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): 05:08 | Stop time (from RC): 05:38

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

hTRIG1 rate: 2.58M | hTRIG3 rate: 4318.7 | hTRIG4 rate: 897.6 | hTRIG5 rate: 3024.1 | hTRIG6 rate: 640.0

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10th

Events 1.5M | Charge 13 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 11.24 (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: 24/03/03 (yy/mm/dd) Initials: CM

Kinematics: KinC_x 36-6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2X2 mm²

Beam position and angle on target:

3H07A	X	Y
	1.707 mm	0.303 mm
Nomin:		Nomin:
3H07C	X	Y
	0.696 mm	0.306 mm
Nomin:		Nomin:

HMS: p: +/- 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS: θ(TV): 23.80 (Nearest 0.005)

NPS: θ = SHMS −16.30° 7.5 (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: 4906 | I_{beam}: 8 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): 05:40 | Stop time (from RC): 06:10

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

hTRIG1 rate 2.59M | hTRIG3 rate 4350.0 | hTRIG4 rate 878.5 | hTRIG5 rate 3032.8 | hTRIG6 rate 649.8

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 11th

Events 1.5M | Charge 13mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9 % | Max NPS anode current (single crystal) 11.08 (μA)

Run Number: 4907 | I_{beam}: 8 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): 06:11 | Stop time (from RC): 06:42

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

hTRIG1 rate 2.58M | hTRIG3 rate 4264.9 | hTRIG4 rate 896.9 | hTRIG5 rate 3035.0 | hTRIG6 rate 601.1

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 12th

Events 1.5M | Charge 14mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9 % | Max NPS anode current (single crystal) 11.07 (μA)

Run Number: 4909 | I_{beam}: 8 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): 06:46 | Stop time (from RC): 07:18

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

hTRIG1 rate 2.57M | hTRIG3 rate 4211.9 | hTRIG4 rate 877.5 | hTRIG5 rate 2954.6 | hTRIG6 rate 618.3

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1 supplement run (12+1)th

Events 1.5M | Charge 13mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) 10.87 (μA)

Run Number: 4910 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 07:21 | Stop time (from RC): 07:42

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

hTRIG1 rate 2.55M | hTRIG3 rate 3165.2 | hTRIG4 rate 671.6 | hTRIG5 rate 1861.2 | hTRIG6 rate 409.3

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ n_sparse_low

Comments: 20-min run at 6 μA

Events 842K | Charge 9.3mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9 % | Max NPS anode current (single crystal) 8.44 (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 / 05 / 03 (yy / mm / dd) Initials: ch

Kinematics: KinC_x 86-1

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.539 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

3H07A	X	Y
	1.691 mm	0.312 mm
Nomin:		Nomin:
3H07C	X	Y
	0.696 mm	0.296 mm
Nomin:		Nomin:

HMS p: +/- 2.41 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): 23.80 (Nearest 0.005)

NPS θ = SHMS −16.30° 7.5 (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: 4911 | I_{beam}: 4 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): 07:45 | Stop time (from RC): 08:06

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

hTRIG1 rate 1.87M | hTRIG3 rate 225.7 | hTRIG4 rate 467.7 | hTRIG5 rate 959.2 | hTRIG6 rate 227.1

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 0.512M Charge 1.85 mC

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

Max NPS anode current (single crystal): 5.30 (μA)

Run Number: 4912 | beam: 8 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): 8:09 | Stop time (from RC): 8:29

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

hTRIG1 rate 2.57e6 | hTRIG3 rate 481 | hTRIG4 rate 889 | hTRIG5 rate 2984 | hTRIG6 rate 662

☐ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments:

Events 0.409M Charge 1.31 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.49% ✓

Max NPS anode current (single crystal): 11.11 (μA)

Run Number: 4913 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 8:44 | Stop time (from RC): 9:16

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

hTRIG1 rate 2e6 | hTRIG3 rate 1703 | hTRIG4 rate 391 | hTRIG5 rate 779 | hTRIG6 rate 195

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/8

Events 0.67M Charge 1.60 mC

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

Max NPS anode current (single crystal): 9.31 (μA)

Run Number: 4914 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 9:17 | Stop time (from RC): 9:48

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

hTRIG1 rate ~~1.2e6~~ 1.98e6 | hTRIG3 rate 1710 | hTRIG4 rate 410 | hTRIG5 rate ~~417~~ 811 | hTRIG6 rate ~~316~~ 216

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ n_sparse_low

Comments: 2/8

Events 0.71M Charge ____ mC

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

Max NPS anode current (single crystal): 9.11 (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 / 3 / 3 (yy / mm / dd) Initials: TS

Kinematics: KinC_x 36_6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 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:)	0.1 mm (Nomin:)

HMS p: +/- 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): -23.79 (Nearest 0.005)

NPS θ = SHMS −16.30° (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 470 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 4915 | I_{beam}: 12 μA

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

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

Start time (from RC): 10:01 | Stop time (from RC): 10:32

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

hTRIG1 rate: 1.98e6 | hTRIG3 rate: 1722 | hTRIG4 rate: 416

hTRIG5 rate: 798 | hTRIG6 rate: 204

☐ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/8

Events 0.707M | Charge 20.37 m C

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

Max NPS anode current (single crystal): 9.49 (μA)

Run Number: 4916 | I_{beam}: 12 μA

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

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

Start time (from RC): 10:33 | Stop time (from RC): 11:05

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

hTRIG1 rate: 1.99e6 | hTRIG3 rate: 1659 | hTRIG4 rate: 391

hTRIG5 rate: 791.5 | hTRIG6 rate: 208

☐ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/8

Events 0.697M | Charge 20.04 m C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.969 /

Max NPS anode current (single crystal): 9.93 (μA)

Run Number: 4917 | I_{beam}: 12 μA

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

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

Start time (from RC): 11:06 | Stop time (from RC): 11:37

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

hTRIG1 rate: 1.97e6 | hTRIG3 rate: 1634 | hTRIG4 rate: 368

hTRIG5 rate: 793 | hTRIG6 rate: 194

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/8

Events 0.642M | Charge 18.63 m C

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

Max NPS anode current (single crystal): 10.07 (μA)

Run Number: 4918 | I_{beam}: 12 μA

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

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

Start time (from RC): 11:38 | Stop time (from RC): 12:24

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

hTRIG1 rate: 1.98e6 | hTRIG3 rate: 1664 | hTRIG4 rate: 401

hTRIG5 rate: 798 | hTRIG6 rate: 203

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/8

Events 0.638M | Charge 18.90 m C

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

Max NPS anode current (single crystal): 9.93 (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 / 3 / 3 (yy / mm / dd) Initials: TS

Kinematics: KinC_x 36_6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 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: +(-) 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): -23.79 (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: 4919 | I_{beam}: 12 μA

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

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

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

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

hTRIG1 rate 1.98e6 | hTRIG3 rate 1729 | hTRIG4 rate 417

hTRIG5 rate 790 | hTRIG6 rate 201

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/8

Events 0.65M Charge 18.99m C | Active trigger LiveTime fraction (NPS Scaler Gui) ~~97.62~~ 100% | Max NPS anode current (single crystal) ~~60~~ 9.63 (μA)

Run Number: 4920 | I_{beam}: 12 μA

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

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

Start time (from RC): 12:57 | Stop time (from RC): 13:28

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

hTRIG1 rate ~~1.98e6~~ 1.98e6 | hTRIG3 rate ~~2.04e6~~ 1666 | hTRIG4 rate ~~417~~ 378

hTRIG5 rate ~~790~~ 814 | hTRIG6 rate ~~201~~ 210

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/8

Events 0.67M Charge 19.82m C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 9.85 (μA)

Run Number: 4921 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 13:30 | Stop time (from RC): 13:51

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

hTRIG1 rate 1.42e6 | hTRIG3 rate 1160 | hTRIG4 rate 268

hTRIG5 rate 399 | hTRIG6 rate 126

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 0.32M Charge 8.93m C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.94% | Max NPS anode current (single crystal) 6.43 (μA)

Run Number: 4922 | I_{beam}: 6 μA

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

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

Start time (from RC): 13:54 | Stop time (from RC): 14:15

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

hTRIG1 rate 1.13e6 | hTRIG3 rate 870 | hTRIG4 rate 222

hTRIG5 rate 267 | hTRIG6 rate 89

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 0.21M Charge 5.79m C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.926% | Max NPS anode current (single crystal) 4.9 (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 / 3 / 13 (yy / mm / dd) Initials: TS

Kinematics: KinC_x36_6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: ~~2x2~~ 2x2 mm

Beam position and angle on target:

3H07A X	3H07A Y	3H07C X	3H07C Y
1.7 mm	0.5 mm	0.7 mm	0.3 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS p: ~~2.456~~ From GUI θ(TV): 26.86 Nearest 0.005

SHMS θ(TV): 23.79 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: 4923 | 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: 0 PS5: 1 PS6: 1

Start time (from RC): 14:16 | Stop time (from RC): 14:26

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

hTRIG1 rate 1.13e6 | hTRIG3 rate 847 | hTRIG4 rate 224 | hTRIG5 rate 259 | hTRIG6 rate 94

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: This run was restarted after accidentally stop 4999 run in 20 min

Events 0.117M 3.12m Charge____C

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

Max NPS anode current (single crystal): 4.71 (μA)

Run Number: 4924 | 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: 6 PS5: 1 PS6: 1

Start time (from RC): 14:30 | Stop time (from RC): 14:45

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

hTRIG1 rate 1.97e6 | hTRIG3 rate 1616 | hTRIG4 rate 896 | hTRIG5 rate 801 | hTRIG6 rate 217

☐ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments:

Events 0.337M 20.78m Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): ~~99.6~~ 100%

Max NPS anode current (single crystal): 9.46 (μA)

Run Number: 4925 | 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: Miss click.

Events____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 4926 | 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: 0 PS5: 1 PS6: 1

Start time (from RC): 15:01 | Stop time (from RC): 15:32

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

hTRIG1 rate 2.11e6 | hTRIG3 rate 2560 | hTRIG4 rate 518 | hTRIG5 rate 1313 | hTRIG6 rate 284

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 0.946M 20.45m Charge____C

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

Max NPS anode current (single crystal): 22.63 (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: 24 / 3 / 3 (yy / mm / dd) Initials: T-S JR

Kinematics: KinC_x 36-6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

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: +(-) 2.416 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS: θ(TV): ~~-25.79~~ ~~-20.~~ (Nearest 0.005)

NPS: θ = SHMS −16.30° (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 466 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 4927

I_{beam}: ~~[illegible]~~ 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): 15:35

Stop time (from RC): 15:55

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

hTRIG1 rate: 1.92e6 | hTRIG3 rate: 1762 | hTRIG4 rate: 379

hTRIG5 rate: 770 | hTRIG6 rate: 189

☐ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 0.451M Charge 0.38 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.605 %

Max NPS anode current (single crystal): ~~95-14~~ (μA)

Run Number: 4928

I_{beam}: 8 μA

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

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

Start time (from RC): 16:11

Stop time (from RC): 16:43

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

hTRIG1 rate: 2.6 10^6 (11.8) | hTRIG3 rate: 4181 | hTRIG4 rate: 862 (14.76)

hTRIG5 rate: 2869 | hTRIG6 rate: 598

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/12

Events 1.5M Charge 13.3C

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

Max NPS anode current (single crystal): 11 (μA)

Run Number: 4929

I_{beam}: 8 μA

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

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

Start time (from RC): 16:45

Stop time (from RC): 17:18

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

hTRIG1 rate: 2.6 10^6 | hTRIG3 rate: | hTRIG4 rate: 892

hTRIG5 rate: | hTRIG6 rate: 589

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/12

Events 1.6M Charge 14.1C

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

Max NPS anode current (single crystal): 10.5 (μA)

Run Number: 4930

I_{beam}: 8 μA

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

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

Start time (from RC): 17:19

Stop time (from RC): 17:53

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

hTRIG1 rate: 2.6 10^6 | hTRIG3 rate: 4277 | hTRIG4 rate: 880

hTRIG5 rate: 2978 | hTRIG6 rate: 610

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/12

Events 1.5M Charge 13.2C

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

Max NPS anode current (single crystal): 11 (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 / 3 / 3 (yy / mm / dd) Initials: JR

Kinematics: KinC_x 36-6

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

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 10.537 GeV

Raster: ☒ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A	X	Y
	1.6 mm	0.3 mm
Nomin:	yes	yes
3H07C	X	Y
	0.6 mm	0.4 mm
Nomin:	4	4

HMS	SHMS	NPS
p: +(-) 2.416 GeV/c (From GUI) θ(TV): 26.355 (Nearest 0.005)	θ(TV): 23.800 (Nearest 0.005)	θ = SHMS −16.30° (Nearest 0.005)

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

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Run Number: 4931 — I_{beam}: 8 μA

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

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

Start time (from RC): 17:54 — Stop time (from RC): 18:48

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

hTRIG1 rate: 2.6 10^6 — hTRIG3 rate: 4247 — hTRIG4 rate:

hTRIG5 rate: 2923 — hTRIG6 rate: 594

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: [illegible] last 15min of run = no beam. 4/12

Events 1.7M — Charge 5.1 C

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

Max NPS anode current (single crystal): 11 (μA)

Run Number: 4932 — I_{beam}: ϕ 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): 18:59 — Stop time (from RC): 19:04.

☐ 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: Short no beam.

Events _____ — Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui):

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

Run Number: 4933 — I_{beam}: 8 μA

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

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

Start time (from RC): 19:29 — Stop time (from RC): 20:00

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

hTRIG1 rate: 2.6 10^6 — hTRIG3 rate: 4219 — hTRIG4 rate: 852

hTRIG5 rate: [illegible] — hTRIG6 rate: 608

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/12

Events 1.5M — Charge 13.3 C

Active trigger LiveTime fraction (NPS Scaler Gui):

Max NPS anode current (single crystal): 11 (μA)

Run Number: 4934 — I_{beam}: 8 μA

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

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

Start time (from RC): 20:01 — Stop time (from RC): 20:35

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

hTRIG1 rate: 2.6 10^6 — hTRIG3 rate: 4227 — hTRIG4 rate: 853

hTRIG5 rate: 2942 — hTRIG6 rate: 615

☒ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/12

Events 1.7M — Charge 5.1 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: 24 / 3 / 3 (yy / mm / dd) Initials: JR

Kinematics: KinC_x 36-6

Purpose: [X] Production [ ] Test [ ] Optics [ ] Other: _____

HMS, field, current OK? yes [X] no [ ]

E_{beam}: 10.537 GeV

Raster: [X] 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: yes	Nomin: yes	Nomin: yes	Nomin: yes

HMS

p: +(-) 2.461 GeV/c θ(TV): 26.855 (From GUI / Nearest 0.005)

SHMS

θ(TV): 23.800 (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: 4935

I_{beam}: 8 μA

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

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

Start time (from RC): 20:37

Stop time (from RC): 21:08

[ ] Settings Verified? [ ] HV OK? [X] 50k OK?

hTRIG1 rate 1.9 10^6 | hTRIG3 rate 4240 | hTRIG4 rate 873

hTRIG5 rate 2940 | hTRIG6 rate 600

[X] Data ok [ ] Junk

[X] coin_sparse [ ] coin [ ] coin_sparse_low

Comments: 7/12

Events 1.6M Charge 13.9 C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 11 (μA)

Run Number: 4936

I_{beam}: 8 μA

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

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

Start time (from RC): 21:09

Stop time (from RC): 21:41

[ ] Settings Verified? [ ] HV OK? [X] 50k OK?

hTRIG1 rate 1.9 10^6 | hTRIG3 rate 4215 | hTRIG4 rate 860

hTRIG5 rate 2917 | hTRIG6 rate 632

[X] Data ok [ ] Junk

[X] coin_sparse [ ] coin [ ] coin_sparse_low

Comments: 8/12

Events 1.6M Charge 13.9 C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 11 (μA)

Run Number: 4937

I_{beam}: 8 μA

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

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

Start time (from RC): 21:51

Stop time (from RC): 22:24

[ ] Settings Verified? [ ] HV OK? [ ] 50k OK?

hTRIG1 rate 2.6 10^6 | hTRIG3 rate 4212 | hTRIG4 rate 593

hTRIG5 rate 2846 | hTRIG6 rate 575

[X] Data ok [ ] Junk

[X] coin_sparse [ ] coin [ ] coin_sparse_low

Comments: 9/12

Events 1.6M Charge 14.1 C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 11 (μA)

Run Number: 4938

I_{beam}: 8 μA

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

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

Start time (from RC): 22:25

Stop time (from RC): 22:56

[ ] Settings Verified? [ ] HV OK? [ ] 50k OK?

hTRIG1 rate 2.6 10^6 | hTRIG3 rate 4273 | hTRIG4 rate 872

hTRIG5 rate 2975 | hTRIG6 rate 637

[ ] Data ok [ ] Junk

[X] coin_sparse [ ] coin [ ] coin_sparse_low

Comments: 10/12

Events 1.5M Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 11 (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 / 3 / 3 (yy / mm / dd) Initials: JR

Kinematics: KinC_x 36-6

Purpose: [X] Production [ ] Test [ ] Optics [ ] Other: _____

HMS, field, current OK? yes [X] no [ ]

E_{beam}: 10.537 GeV

Raster: [X] On [ ] Off Size: 2x2

Beam position and angle on target:

3H07A X	3H07A Y	3H07C X	3H07C Y
1.7 mm	0.3 mm	0.6 mm	0.4 mm
Nomin: y	Nomin: y	Nomin: y	Nomin: y

HMS

p: +(-) 2.461 GeV (From GUI) θ(TV): 26.855 (Nearest 0.005)

SHMS

θ(TV): 23.800 (Nearest 0.005)

NPS

θ = SHMS −16.30° (Nearest 0.005)

Collimator: HMS: Large [X] Sieve [ ] | NPS Sweep Magnet I = 463 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 4939

I_{beam}: 8 μA

[ ] LH2 10cm [X] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.I [ ] _____

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

Start time (from RC): 22:58

Stop time (from RC): 23:27

[ ] Settings Verified? [ ] HV OK? [X] 50k OK?

hTRIG1 rate: 2.6 10^6 hTRIG3 rate: 4361 hTRIG4 rate: 865

hTRIG5 rate: 2875 hTRIG6 rate: 600

[X] Data ok [ ] Junk

coin_sparse [X] coin [ ] coin_sparse_low [ ]

Comments: n/a

Events 1.4M Charge 12.8 C

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

Max NPS anode current (single crystal): 11 (μA)

Run Number: 4940

I_{beam}: 8 μA

[ ] LH2 10cm [X] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.I [ ] _____

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

Start time (from RC): 23:29

Stop time (from RC): 23:59

[✓] 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 152238 Charge 13.0 C

Active trigger LiveTime fraction (NPS Scaler Gui):

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

Run Number: 4941

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: Fail in Prestart

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui):

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

Run Number: 4942

I_{beam}: 6 μA

[ ] LH2 10cm [✓] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.I [ ] _____

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

Start time (from RC): 00:11

Stop time (from RC): 00:31

[✓] Settings Verified? [✓] HV OK? [✓] 50k OK?

hTRIG1 rate: 2.34 10^6 hTRIG3 rate: 3255 hTRIG4 rate: 676

hTRIG5 rate: 1865 hTRIG6 rate: 410.7

[✓] Data ok [ ] Junk

coin_sparse [✓] coin [ ] coin_sparse_low [ ]

Comments:

Events 800k Charge 6.8 C

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

Max NPS anode current (single crystal): 5.3 (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: 24 / 3 / 4 (yy / mm / dd) Initials: MD

Kinematics: KinC_x36-6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☒ On ☐ Off Size: 2x2

HMS p: +2.46 From GUI θ(TV): 26.855 Nearest 0.005

SHMS θ(TV): 23.8 Nearest 0.005

NPS θ = SHMS −16.30° Nearest 0.005

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:

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: 4943 | I_{beam}: 4 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): 00:34 | Stop time (from RC): 00.54

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

hTRIG1 rate: 1.9 M | hTRIG3 rate: 2182 | hTRIG4 rate: 465.7 | hTRIG5 rate: 970 | hTRIG6 rate: 214

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 541k | Charge 4.6C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 5.7 (μA)

Run Number: 4944 | I_{beam}: 8 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): 00:58 | Stop time (from RC): 1:15

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

hTRIG1 rate: 2.57 M | hTRIG3 rate: 4315 | hTRIG4 rate: 870 | hTRIG5 rate: 3022 | hTRIG6 rate: 600

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments:

Events 405.5k | Charge 7.1C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 11.26 (μA)

Run Number: 4945 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 1:21 | Stop time (from RC): 1:46

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

hTRIG1 rate: 2MHz | hTRIG3 rate: 1727 | hTRIG4 rate: 400 | hTRIG5 rate: 806 | hTRIG6 rate: 216

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1

Events 365k | Charge 11C | Active trigger LiveTime fraction (NPS Scaler Gui): 100%. | Max NPS anode current (single crystal): 9.33 (μA)

Run Number: 4946 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 1:50 | Stop time (from RC): 2:21

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

hTRIG1 rate: 2MHz | hTRIG3 rate: 1732 | hTRIG4 rate: 420 | hTRIG5 rate: 836 | hTRIG6 rate: 217

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2

Events 720k | Charge 21mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 6.14 (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 / 3 / 4 (yy / mm / dd) Initials: MD

Kinematics: KinC_x 36-6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +29.46 (From GUI) θ(TV): 26.86 (Nearest 0.005)

SHMS θ(TV): -23.79 (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 = / Amp | NPS Upstream Corr. I = / Amp

Beam position and angle on target:

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

Run Number: 4947 | I_{beam}: 12 μA | ☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.I ☐ _____

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

Start time (from RC): 2:22 | Stop time (from RC): 2:52

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

hTRIG1 rate: 1.98 MHz | hTRIG3 rate: 1730 | hTRIG4 rate: 390 | hTRIG5 rate: 822 | hTRIG6 rate: 205

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3

Events _____ Charge 17.6C

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

Max NPS anode current (single crystal): 9.54 (μA)

Run Number: 4948 | I_{beam}: 12 μA | ☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.I ☐ _____

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

Start time (from RC): 2:54 | Stop time (from RC): 3:17

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

hTRIG1 rate: 1.98 MHz | hTRIG3 rate: 1682 | hTRIG4 rate: 406 | hTRIG5 rate: 806 | hTRIG6 rate: 191

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4

Check the end of run HMS trip but likely during a Beam trip

Events 490K Charge 18.9C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.97 %

Max NPS anode current (single crystal): 9.44 (μA)

Run Number: 4949 | I_{beam}: 12 μA | ☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.I ☐ _____

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

Start time (from RC): 5:14 | Stop time (from RC): 5:44

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

hTRIG1 rate: 1.99 MHz | hTRIG3 rate: 1690 | hTRIG4 rate: 394 | hTRIG5 rate: 800 | hTRIG6 rate: 208

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 5

Events 656K Charge 18.9C

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

Max NPS anode current (single crystal): 9.8 (μA)

Run Number: 4950 | I_{beam}: 12 μA | ☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.I ☐ _____

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

Start time (from RC): 5:45 | Stop time (from RC): 6:37

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

hTRIG1 rate: 1.99 MHz | hTRIG3 rate: 643 | hTRIG4 rate: 384 | hTRIG5 rate: 809 | hTRIG6 rate: 210

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 6

Events 942K Charge 27.8C

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

Max NPS anode current (single crystal): 9.1 (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 / 3 / 4 (yy / mm / dd) Initials: MD

Kinematics: KinC_x36-6

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2 x 2

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~~ 2.46 (From GUI) θ(TV): 26.86 (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 = 468 Amp | NPS Upstream Corr. I = _____ Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 4951 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 6:38 | Stop time (from RC): 7:08

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

hTRIG1 rate: 1.98 MHz | hTRIG3 rate: 1631 | hTRIG4 rate: ~~339~~ 399

hTRIG5 rate: 811 | hTRIG6 rate: 201

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 7

Events 607k | Charge 17.6 C

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

Max NPS anode current (single crystal): 9.38 (μA)

Run Number: 4952 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 7:13 | Stop time (from RC): 7:30

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

hTRIG1 rate: 1.98 MHz | hTRIG3 rate: 1675 | hTRIG4 rate: 381

hTRIG5 rate: 815 | hTRIG6 rate: 205

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 8

Events _____ | Charge _____ C

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

Max NPS anode current (single crystal): 9.88 (μA)

Run Number: 4953 | 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: 4954 | 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): 8:03 | Stop time (from RC): 8:35

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

hTRIG1 rate: Trig² 300 Hz | hTRIG3 rate: | hTRIG4 rate:

hTRIG5 rate: | hTRIG6 rate:

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☐

Comments: LED production

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: 24/03/04 (yy/mm/dd) Initials: dk

Kinematics: KinC_x25_4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 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: ± 4.149 (From GUI) θ(TV): 15.203 (Nearest 0.005)

SHMS θ(TV): 27.495 (Nearest 0.005)

NPS θ = SHMS −16.30° = 11.195 (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: 4965 | I_{beam}: 0 μA

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

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

Start time (from RC): 10:50 | Stop time (from RC): 11:03

☑ Settings Verified? ☑ HV OK? ☐ 50k OK? 20K

hTRIG1 rate: 1700 | hTRIG3 rate: 300 | hTRIG4 rate: 300 | hTRIG5 rate: 300 | hTRIG6 rate: 300

☐ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: special run for Julie

Events_____ Charge____C | Active trigger LiveTime fraction (NPS Scaler Gui) | Max NPS anode current (single crystal) (μA)

Run Number: 4966 | 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: 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: rate test

Events_____ Charge____C | Active trigger LiveTime fraction (NPS Scaler Gui) | Max NPS anode current (single crystal) (μA)

Run Number: 4967 | I_{beam}: 6 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): 14:39 | Stop time (from RC): 14:46

☐ 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: rate test

Events_____ Charge____C | Active trigger LiveTime fraction (NPS Scaler Gui) | Max NPS anode current (single crystal) (μA)

Run Number: 4968 | I_{beam}: 7 μA

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

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

Start time (from RC): 14:47 | Stop time (from RC): 14:50

☐ 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: rate test

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 / 3 / 4 (yy / mm / dd) Initials: SC6

Kinematics: KinC_x25-4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm 2

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: +04.149 (From GUI) θ(TV): 15.203 (Nearest 0.005)

SHMS θ(TV): 27.495 (Nearest 0.005)

NPS θ = SHMS −16.30° 11.195 (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: 4969 | 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: 0 PS5: −1 PS6: −1

Start time (from RC): 14:57 | Stop time (from RC): 14:58

☑ 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: rate test

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 4970 | 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): 14:59 | 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: rate test

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 4971 | I_{beam}: 14 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): 15:09 | Stop time (from RC): 15:11

☐ 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: rate test

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 4972 | I_{beam}: 14 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): 15:13 | Stop time (from RC): 15:44

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

hTRIG1 rate: 1.4M | hTRIG3 rate: 6,800 | hTRIG4 rate: 3,400 | hTRIG5 rate: 2,300 | hTRIG6 rate: 1,200

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 1.8M Charge 20.9 mC

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

Max NPS anode current (single crystal): 9.66 (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 / 3 / 4 (yy / mm / dd) Initials: SH

Kinematics: KinC_x 2.5_4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 mm²

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

HMS p: ± 4.149 (From GUI) θ(TV): 15.203 (Nearest 0.005)

SHMS θ(TV): 27.495 (Nearest 0.005)

NPS θ = SHMS −16.30° 11.195 (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: 4973 | I_{beam}: 14 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): 15:45 | Stop time (from RC): 16:16

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

hTRIG1 rate 1.5M | hTRIG3 rate 6,700 | hTRIG4 rate 3,400 | hTRIG5 rate 2,300 | hTRIG6 rate 1,150

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2nd of LH2

Events 1.75M | Charge 19.1 mC

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

Max NPS anode current (single crystal): 9.64 (μA)

Run Number: 4974 | I_{beam}: 14 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): 16:17 | Stop time (from RC): 16:47

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

hTRIG1 rate 1.46 e6 | hTRIG3 6831 | hTRIG4 3446 | hTRIG5 rate 2231 | hTRIG6 rate 1222

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3rd of LH2

Events 1.9M | Charge 21.1 mC

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

Max NPS anode current (single crystal): 9.57 (μA)

Run Number: 4975 | I_{beam}: 14 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): 16:47 | Stop time (from RC): 17:17

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

hTRIG1 rate 1.48 e6 | hTRIG3 6689 | hTRIG4 3426 | hTRIG5 rate 2216 | hTRIG6 rate 1158

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4th of LH2

Events 1.76M | Charge ~~17.6~~ 19.4 mC

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

Max NPS anode current (single crystal): 9.44 (μA)

Run Number: 4976 | I_{beam}: 14 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 | Stop time (from RC): 17:48

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

hTRIG1 rate 1.45 e6 | hTRIG3 6803 | hTRIG4 3425 | hTRIG5 rate 2278 | hTRIG6 rate 1161

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5th of LH2

Events 1.55 | Charge 17.6 C

Active trigger LiveTime fraction (NPS Scaler Gui): 168%

Max NPS anode current (single crystal): 8.95 (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: 24/03/04 (yy/mm/dd) Initials: RWM

Kinematics: KinC_x 25-4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2 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: +/- 4.149 (From GUI) θ(TV): 15.203 (Nearest 0.005)

SHMS

θ(TV): 27.495 (Nearest 0.005)

NPS

θ = SHMS −16.30° 11.195 (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: 4977 | I_{beam}: 14 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): 17:49 | Stop time (from RC): 18:19

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

hTRIG1 rate 1.46 M | hTRIG3 rate 6827 | hTRIG4 rate 3428 | hTRIG5 rate 2215 | hTRIG6 rate 1207

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6th of LH2

Events 1.89 M | Charge 21.3 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 9.40 (μA)

Run Number: 4978 | I_{beam}: 14 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): 18:20 | Stop time (from RC): 18:51

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

hTRIG1 rate 1.45e6 | hTRIG3 rate 6589 | hTRIG4 rate 3350 | hTRIG5 rate 2184 | hTRIG6 rate 1117

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7th of LH2

Events 2.15 M | Charge 24 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 9.28 (μA)

Run Number: 4979 | I_{beam}: 14 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): 18:52 | Stop time (from RC): 19:22

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

hTRIG1 rate 1.55e6 | hTRIG3 rate 6731 | hTRIG4 rate 3434 | hTRIG5 rate 2367 | hTRIG6 rate 1211

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8th of LH2

Events 1.97 M | Charge 20.7 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 9.23 (μA)

Run Number: 4980 | I_{beam}: 10 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): 19:24 | Stop time (from RC): 19:44

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

hTRIG1 rate 1.12e6 | hTRIG3 rate 4808 | hTRIG4 rate 2529 | hTRIG5 rate 1313 | hTRIG6 rate 681

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ n_sparse_low

Comments:

Events 777 K | Charge 10.6 C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 6.99 (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: 24/03/04 (yy/mm/dd) Initials: RMM

Kinematics: KinC_x 25-4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2 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:	Nomin:	Nomin:	Nomin:

HMS: p: +/- 4.149 (From GUI) θ(TV): 15.703 (Nearest 0.005)

SHMS: θ(TV): 27.495 (Nearest 0.005)

NPS: θ = SHMS −16.30° 11.195 (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: 4981 | I_{beam}: 6 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): 19:46 | Stop time (from RC): 20:17

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

hTRIG1 rate 6.5 e5 | hTRIG3 rate 3085 | hTRIG4 rate 1533 | hTRIG5 rate 528 | hTRIG6 rate 299

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 485 K | Charge 9.8 μC

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

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

Run Number: 4982 | I_{beam}: 14 μA

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

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

Start time (from RC): 20:19 | Stop time (from RC): 20:39

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

hTRIG1 rate 1.55 e6 | hTRIG3 rate 6855 | hTRIG4 rate 3487 | hTRIG5 rate 2551 | hTRIG6 rate 1265

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 1.77 K | Charge 13.4 μC

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

Max NPS anode current (single crystal): 9.57 (μA)

Run Number: 4983 | I_{beam}: 14 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): 20:41 | Stop time (from RC): 20:56

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

hTRIG1 rate 1.51 e6 | hTRIG3 rate 6644 | hTRIG4 rate 3424 | hTRIG5 rate 2397 | hTRIG6 rate 1235

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments:

Events 941 K | Charge 10.2 C

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

Max NPS anode current (single crystal): 9.49 (μA)

Run Number: 4985 | I_{beam}: 14 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): 21:05 | Stop time (from RC): 21:25

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

hTRIG1 rate 2.27 e6 | hTRIG3 rate 8366 | hTRIG4 rate 3922 | hTRIG5 rate 4147 | hTRIG6 rate 1925

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: junk run, redo

Events _____ | Charge _____ C

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

Max NPS anode current (single crystal): 13.5 (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: 24 / 03 / 04 (yy / mm / dd) Initials: Rmm

Kinematics: KinC_x 25_4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2 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: +/- 4.149 (From GUI) θ(TV): 15.703 (Nearest 0.005)

SHMS θ(TV): 27.495 (Nearest 0.005)

NPS θ = SHMS −16.30° 11.195 (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: 4986 | I_{beam}: 45 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): 21:30 | Stop time (from RC): 22:00

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

hTRIG1 rate 2.27 e6 | hTRIG3 rate 8252 | hTRIG4 rate 3877 | hTRIG5 rate 4722 | hTRIG6 rate 2032

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 3.2M Charge 21.1 nC

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

Max NPS anode current (single crystal): 13.43 (μA)

Run Number: 4987 | I_{beam}: 7 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): 22:01 | Stop time (from RC): 22:22

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

hTRIG1 rate 8.02 e5 | hTRIG3 rate 4071 | hTRIG4 rate 19113 | hTRIG5 rate 810 | hTRIG6 rate 380

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 435K Charge 7.3 nC

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

Max NPS anode current (single crystal): 6.45 (μA)

Run Number: 4988 | I_{beam}: 7 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): 22:33 | Stop time (from RC): 23:04

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

hTRIG1 rate 2.04 e6 | hTRIG3 rate 11249 | hTRIG4 rate 5752 | hTRIG5 rate 5336 | hTRIG6 rate 2455

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1st of LD2

Events 4.2M Charge 11.4 nC

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

Max NPS anode current (single crystal): 7.89 (μA)

Run Number: 4989 | I_{beam}: 7 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): 23:06 | Stop time (from RC): 23:24

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

hTRIG1 rate 2.05 e6 | hTRIG3 rate 11043 | hTRIG4 rate 5027 | hTRIG5 rate 5206 | hTRIG6 rate 2393

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: ~~2nd of LD2~~ junk!

Events _____ Charge _____ C

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

Max NPS anode current (single crystal): 7.92 (μA)

Ended early, not sure if ended properly

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

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

Use a separate sheet for each configuration.

Date: 24 / 03 / 04 (yy / mm / dd) Initials: RWM

Kinematics: KinC_x 25_4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 mm

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	SHMS	NPS
p: +/- 4.199 (From GUI) θ(TV): 15.203 (Nearest 0.005)	θ(TV): 27.495 (Nearest 0.005)	θ = SHMS −16.30° 11.195 (Nearest 0.005)

Collimator:	HMS: Large ☑ Sieve ☐	NPS Sweep Magnet I = 468 Amp	NPS Upstream Corr. I = 8 Amp	NPS Upstream Corr. I = 0 Amp

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Run Number: 4990 — I_{beam}: 7 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): 23:27 — Stop time (from RC): 23:56

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

hTRIG1 rate: 2.05e6 — hTRIG3 rate: 11111 — hTRIG4 rate: 5079

hTRIG5 rate: 5213 — hTRIG6 rate: 2439

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: ~~2nd~~ 1st of LD_2

Events 3.79 M — Charge 10.4 C

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

Max NPS anode current (single crystal): 7.81 (μA)

Run Number: 4991 — I_{beam}: 7 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): 23:57 — Stop time (from RC): 00:29

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

hTRIG1 rate: 2MHz — hTRIG3 rate: 11kHz — hTRIG4 rate: 5kHz

hTRIG5 rate: 5kHz — hTRIG6 rate: 2330

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3rd of LD_2

Events 4M — Charge 11.4 C

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

Max NPS anode current (single crystal): 7.76 (μA)

Run Number: 4992 — I_{beam}: 7 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): 00:31 — Stop time (from RC): 1:02

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

hTRIG1 rate: 2MHz — hTRIG3 rate: 11kHz — hTRIG4 rate: 5kHz

hTRIG5 rate: 5kHz — hTRIG6 rate: 2270

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4th LD_2

Events 4M — Charge 11.2 C

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

Max NPS anode current (single crystal): 7.8 (μA)

Run Number: 4993 — I_{beam}: 7 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): 1:03 — Stop time (from RC): 1:35

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

hTRIG1 rate: 1.99MHz — hTRIG3 rate: 10.6kHz — hTRIG4 rate: 4.9kHz

hTRIG5 rate: 4.9kHz — hTRIG6 rate: 2.27kHz

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5th LD_2

Events 4.1M — Charge 11.4 C

Active trigger LiveTime fraction (NPS Scaler Gui): 97%

Max NPS anode current (single crystal): 7.87 (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 / 3 / 5 (yy / mm / dd) Initials: MD

Kinematics: KinC_x 95-4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +04.149 (From GUI) θ(TV): 15.2 (Nearest 0.005)

SHMS θ(TV): -27.5 (Nearest 0.005)

NPS θ = SHMS −16.30° (Nearest 0.005)

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 = ✓ Amp | NPS Upstream Corr. I = ✓ Amp

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Run Number: 4994 | I_{beam}: 7 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): 1:36 | Stop time (from RC): 2:08

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

hTRIG1 rate: 2.07 MHz | hTRIG3 rate: 11.3 kHz | hTRIG4 rate: 5150 | hTRIG5 rate: 5226 | hTRIG6 rate: 2516

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 6th LD2

Events 4M | Charge 11.06 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.74 % | Max NPS anode current (single crystal): 7.86 (μA)

Run Number: 4995 | I_{beam}: 7 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): 2:09 | Stop time (from RC): 2:41

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

hTRIG1 rate: 2.02 MHz | hTRIG3 rate: 10.9 kHz | hTRIG4 rate: 4.96 kHz | hTRIG5 rate: 5 kHz | hTRIG6 rate: 2345 Hz

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 7th LD2

Events 4.3M | Charge 11.8 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.8 % | Max NPS anode current (single crystal): 7.77 (μA)

Run Number: 4996 | I_{beam}: 7 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): 2:42 | Stop time (from RC): 3:13

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

hTRIG1 rate: 2.02 MHz | hTRIG3 rate: 10.85 kHz | hTRIG4 rate: 4952 | hTRIG5 rate: 4961 | hTRIG6 rate: 2403

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 8th LD2

Events 4.1M | Charge 11.4 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.7 % | Max NPS anode current (single crystal): 7.78 (μA)

Run Number: 4997 | I_{beam}: 7 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): 3:15 | Stop time (from RC): 3:47

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

hTRIG1 rate: 2.02 MHz | hTRIG3 rate: 11068 | hTRIG4 rate: 5007 | hTRIG5 rate: 5046 | hTRIG6 rate: 2396

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 9th LD2

Events 4.3M | Charge 11.8 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.7 % | Max NPS anode current (single crystal): 7.55 (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: 24 / 3 / 5 (yy / mm / dd) Initials: MD

Kinematics: KinC_x25-4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

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

HMS: p: ~~4~~ 4.149 From GUI; θ(TV): 15.2 Nearest 0.005

SHMS: θ(TV): 27.50 Nearest 0.005

NPS: θ = SHMS −16.30° Nearest 0.005

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

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Run Number: 4998 | I_{beam}: 7 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): 3:49 | Stop time (from RC): 4:20

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

hTRIG1 rate: 2.02 MHz | hTRIG3 rate: 10.7 kHz | hTRIG4 rate: 4970 | hTRIG5 rate: 5160 | hTRIG6 rate: 2270

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 10th LD_2

Events 4M | Charge 10.7C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.7 % | Max NPS anode current (single crystal): 7.74 (μA)

Run Number: 4999 | I_{beam}: 7 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): 4:21 | Stop time (from RC): 4:51

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

hTRIG1 rate: 2M Hz | hTRIG3 rate: 10769 | hTRIG4 rate: 5176 | hTRIG5 rate: 5363 | hTRIG6 rate: 2423

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 11th LD_2

Events 3.8M | Charge 10.4C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.76 % | Max NPS anode current (single crystal): 7.99 (μA)

Run Number: 5000 | I_{beam}: 7 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): 4:53 | Stop time (from RC): 5:23

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

hTRIG1 rate: 2.03 MHz | hTRIG3 rate: 10.8 kHz | hTRIG4 rate: 4956 | hTRIG5 rate: 5009 | hTRIG6 rate: 2308

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 12th LD_2

Events 4.1M | Charge 11.3C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.8 % | Max NPS anode current (single crystal): 7.85 (μA)

Run Number: 5001 | I_{beam}: 7 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): 5:24 | Stop time (from RC): 5:56

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

hTRIG1 rate: 2.04 MHz | hTRIG3 rate: 10956 | hTRIG4 rate: 4925 | hTRIG5 rate: 5081 | hTRIG6 rate: 2323

☐ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☐

Comments: 13th LD_2

Events 9.9M | Charge 8.6C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.7 % | Max NPS anode current (single crystal): 7.72 (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 / 3 / 15 (yy / mm / dd) Initials: MD

Kinematics: KinC_x 25_4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2 x 2

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~~ 4.149 From GUI θ(TV): 15.2 Nearest 0.005

SHMS θ(TV): 27.5 Nearest 0.005

NPS θ = SHMS −16.30° Nearest 0.005

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

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Run Number: 5002 | I_{beam}: 7 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): 5:57 | Stop time (from RC): 6:33

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

hTRIG1 rate 2.03 MHz | hTRIG3 rate 11060 | hTRIG4 rate 5018 | hTRIG5 rate 5308 | hTRIG6 rate 2389

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 14 hr LD2

Events 4.7M Charge 12.8C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.74% | Max NPS anode current (single crystal) 7.81 (μA)

Run Number: 5003 | I_{beam}: 7 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): 6:34 | Stop time (from RC): 7:12

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

hTRIG1 rate 2.02 MHz | hTRIG3 rate 10932 | hTRIG4 rate 4971 | hTRIG5 rate 5096 | hTRIG6 rate 2353

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 15 hr LD2

Events 4.5M Charge 12.8C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.8% | Max NPS anode current (single crystal) 7.63 (μA)

Run Number: 5004 | I_{beam}: 7 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): 7:14 | Stop time (from RC): 7:44

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

hTRIG1 rate 2.03 MHz | hTRIG3 rate 10950 | hTRIG4 rate 4971 | hTRIG5 rate 5096 | hTRIG6 rate 2350

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 16 hr LD2

Events 3.7M Charge 10.3C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.7 | Max NPS anode current (single crystal) 7.7 (μA)

Run Number: 5005 | I_{beam}: 0 μA

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

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

Start time (from RC): 12:06 | Stop time (from RC): 12:47

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

~~hTRIG1 rate~~ 200 Hz | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

☐ Data ok ☐ Junk

coin_sparse ☐ coin ☐ n_sparse_low ☐

Comments: LED run coin_vld

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 / 3 / 5 (yy / mm / dd) Initials: SB

Kinematics: KinC_x 25-4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2 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: +24.149 (From GUI) θ(TV): 15.203 (Nearest 0.005)

SHMS θ(TV): 27.495 (Nearest 0.005)

NPS θ = SHMS −16.30° = 11.195 (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: 5006 | 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): 12:55 | Stop time (from RC): 13:16

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

hTRIG1 rate: 1.5 M | hTRIG3 rate: 7,800 | hTRIG4 rate: 3,600 | hTRIG5 rate: 2,700 | hTRIG6 rate: | ☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events: 1.2M | Charge: 5.26 mC

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

Max NPS anode current (single crystal): 5.9 (μA)

Run Number: 5007 | I_{beam}: 4 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): 18:17 | Stop time (from RC): 13:39

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

hTRIG1 rate: 1.3 M | hTRIG3 rate: 6,300 | hTRIG4 rate: 2,800 | hTRIG5 rate: 1,900 | hTRIG6 rate: 900 | ☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 45 mC

Events: 980 K | Charge: ~~4.26~~ mC

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

Max NPS anode current (single crystal): 4.8 (μA)

Run Number: 5008 | I_{beam}: 4 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): 13:41 | Stop time (from RC): 13:51

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

hTRIG1 rate: 1.3 M | hTRIG3 rate: 6,200 | hTRIG4 rate: 2,900 | hTRIG5 rate: 1,800 | hTRIG6 rate: 900 | ☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events: 500 K | Charge: 2.26 mC

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

Max NPS anode current (single crystal): 4.7 (μA)

Run Number: 5009 | I_{beam}: 7 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): 13:53 | Stop time (from RC): 14:13

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

hTRIG1 rate: 2M | hTRIG3 rate: 10.5K | hTRIG4 rate: 4800 | hTRIG5 rate: 4,800 | hTRIG6 rate: 2,200 | ☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ n_sparse_low

Comments: 110 MB/s

Events: 2.3M | Charge: ____ C

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

Max NPS anode current (single crystal): 7.9 (μA)

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 24 / 3 / 5 (yy / mm / dd)   Initials: SLB

Use a separate sheet for each configuration.

Kinematics: KinC_x 25_4

Purpose: [x] Production [ ] Test [ ] Optics [ ] Other: ______

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 10.537 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: +/- 4.149 (From GUI) — θ(TV): 15.203 (Nearest 0.005)

SHMS — θ(TV): 27.495 (Nearest 0.005)

NPS — θ = SHMS −16.30° — 11.195 (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

Field	Run 5010	Run 5011	Run 5012	Run 5013
Run Number	5010	5011	5012	5013
I_{beam} (µA)	7	7	14	14
Target	LD2 10cm	LD2 10cm	LH2 10cm	LH2 10cm
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	3	0	0
Start time (from RC)	14:15	14:18	14:47	15:18
Stop time (from RC)	14:17	14:33	15:17	15:48
Settings Verified?	[x]	[x]	[x]	[x]
HV OK?	[x]	[x]	[x]	[x]
50k OK?	[ ]	[x]	[x]	[x]
hTRIG1 rate		2M	1.5M	1.5M
hTRIG3 rate		11K	6700	6600
hTRIG4 rate		5K	3400	3400
hTRIG5 rate		5K	2300	2200
hTRIG6 rate		2300	1200	1100
Data ok / Junk		Data ok	Data ok	Data ok
coin_sparse / coin / coin_sparse_low	coin_sparse (crossed out), coin	coin	coin_sparse	coin_sparse
Comments	data rate high 500 MB/s	130 MB/s	1st LH2	2nd LH2
Events		400k	1.9M	
Charge (C)		5.82 mC	19.68 mC	19.39 mC
Active trigger LiveTime fraction (NPS Scaler Gui)		100%	100%	100%
Max NPS anode current (single crystal) (µA)		7.8	9.3	9.5

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: yy 24 mm 3 dd 5 Initials: SLB

Kinematics: KinC_x25_4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 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: +4.149 (From GUI) θ(TV): 15.203 (Nearest 0.005)

SHMS: θ(TV): 27.495 (Nearest 0.005)

NPS: θ = SHMS −16.30° = 11.195 (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: 5014 | I_{beam}: 14 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): 15:49 | Stop time (from RC): 16:20

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.5 M | hTRIG3 rate: 6,600 | hTRIG4 rate: 3,400 | hTRIG5 rate: 2,400 | hTRIG6 rate: 1,200

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3rd LH_2

Events 1.8M | Charge 20 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 9.5 (μA)

Run Number: 5015 | I_{beam}: 14 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): 16:22 | Stop time (from RC): 16:54

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: $1.59 \cdot 10^6$ | hTRIG3 rate: 6896 | hTRIG4 rate: 3364 | hTRIG5 rate: 2424 | hTRIG6 rate: 1221

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4th LH_2

Events 1.9M | Charge 21 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 8.71 (μA)

Run Number: 5016 | I_{beam}: 14 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): 16:55 | Stop time (from RC): 17:26

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.57 M | hTRIG3 rate: 6821.7 | hTRIG4 rate: 3528.4 | hTRIG5 rate: 2525.0 | hTRIG6 rate: 1246.4

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 5th LH_2

Events 1.9M | Charge 20 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % | Max NPS anode current (single crystal): 9.15 (μA)

Run Number: 5017 | I_{beam}: 14 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): 17:33 | Stop time (from RC): 18:04

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.53 M | hTRIG3 rate: 6890 | hTRIG4 rate: 3386.7 | hTRIG5 rate: 2431.6 | hTRIG6 rate: 897.5

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 6th LH_2

Events 1.9M | Charge 21 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % | Max NPS anode current (single crystal): 9.19 (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: 24/03/05 (yy/mm/dd) Initials: CM

Kinematics: KinC_x25-4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

3H07A X	3H07A Y	3H07C X	3H07C Y
1.690 mm	0.283 mm	0.708 mm	0.306 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS p: +/- 4.419 (From GUI) θ(TV): 15.20 (Nearest 0.005)

SHMS θ(TV): 27.495 (Nearest 0.005)

NPS θ = SHMS −16.30° = 11.195 (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: 5018 | I_{beam}: 14 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): 18:05 | Stop time (from RC): 18:37

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.58M | hTRIG3 rate: 6762 | hTRIG4 rate: 3501

hTRIG5 rate: 2476 | hTRIG6 rate: 1243

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7th LH2

Events 1.9M | Charge 20m C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 %

Max NPS anode current (single crystal): 9.38 (μA)

Run Number: 5019 | beam: 14 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): 18:39 | Stop time (from RC): 19:11

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.53M | hTRIG3 rate: 6722 | hTRIG4 rate: 3495

hTRIG5 rate: 2368 | hTRIG6 rate: 1268

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8th LH2

Events 1.9M | Charge 20m C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 %

Max NPS anode current (single crystal): 9.12 (μA)

Run Number: 5020 | 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): 19:31 | Stop time (from RC): 19:52

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.10 M | hTRIG3 rate: 4840 | hTRIG4 rate: 2415

hTRIG5 rate: 1266 | hTRIG6 rate: 654

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 20-min at 10 μA

Events 659K | Charge 9.37m C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 %.

Max NPS anode current (single crystal): (μA)

Run Number: 5021 | 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): 19:54 | Stop time (from RC): 20:26

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 6.73X10^5 | hTRIG3 rate: 2809 | hTRIG4 rate: 1440

hTRIG5 rate: ~~1440~~ 50k.5 | hTRIG6 rate: 278

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ n_sparse_low

Comments: 30-min at 6 μA

Events 455K | Charge 9.37m C

Active trigger LiveTime fraction (NPS Scaler Gui): 100 %.

Max NPS anode current (single crystal): 4.25 (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 / 03 / 05 (yy / mm / dd) Initials: CM

Kinematics: KinC_x 25-4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☐ On ☐ Off Size: 2 x 2 mm²

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.716 mm	0.291 mm	0.702 mm	0.297 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS p: +/- 4.419 (From GUI) θ(TV): 15.20 (Nearest 0.005)

SHMS θ(TV): 27.495 (Nearest 0.005)

NPS θ = SHMS −16.30° 11.195 (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: 5022 | I_{beam}: 14 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 3 PS5: -1 PS6: -1

Start time (from RC): 20:28 | Stop time (from RC): 20:48

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.58 M | hTRIG3 rate 6816 | hTRIG4 rate 3422 | hTRIG5 rate 2531 | hTRIG6 rate 1370

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 20min at 14uA (Data rate < 130MB/s

Events 624K | Charge 12 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9 % | Max NPS anode current (single crystal) 9.73 (μA)

Run Number: 5023 | I_{beam}: 14 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): 20:52 | Stop time (from RC):

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 1.52 M | hTRIG3 rate 6052 | hTRIG4 rate 3410 | hTRIG5 rate 2413 | hTRIG6 rate 1227

☐ Data ok ☑ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: CODA Data rate more than 130MB/s (300MB/s)

Events _____ | Charge _____ C | Active trigger LiveTime fraction (NPS Scaler Gui) | Max NPS anode current (single crystal) (μA)

Run Number: 5024 | I_{beam}: 14 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): 20:59 | Stop time (from RC): 21:15

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.57 | hTRIG3 rate 6904 | hTRIG4 rate 3494 | hTRIG5 rate 2460 | hTRIG6 rate 1288

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: 15-min at 14μA, Data rate OK.

Events 327K | Charge 10 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) 9.55 (μA)

Run Number: 5025 | I_{beam}: 14 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): 21:35 | Stop time (from RC): 22:05

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.24 M | hTRIG3 rate 8109 | hTRIG4 rate 3770 | hTRIG5 rate 4046 | hTRIG6 rate 1874

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 30-min at 14μA

Events 3 M | Charge 20 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.8 % | Max NPS anode current (single crystal) 12.70 (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: 24/03/05 (yy/mm/dd) Initials: CM

Kinematics: KinC_x25-4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.710 mm	0.278 mm	0.718 mm	0.507 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS: p: +/- 4.419 (From GUI) θ(TV): 15.20 (Nearest 0.005)

SHMS: θ(TV): 27.495 (Nearest 0.005)

NPS: θ = SHMS −16.30° = 11.195 (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: 5026 | I_{beam}: 7 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): 22:28

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 8.53e5 | hTRIG3 rate: 4212 | hTRIG4 rate: 1981 | hTRIG5 rate: 844 | hTRIG6 rate: 422

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Error occurred during run stop.

Events _____ Charge _____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % | Max NPS anode current (single crystal): 6.75 (μA)

Run Number: 5028 | beam: 7 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): 22:42 | Stop time (from RC): 23:02

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 8.45e5 | hTRIG3 rate: 4186 | hTRIG4 rate: 2004 | hTRIG5 rate: 842 | hTRIG6 rate: 408

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Re-run 20-min at 7μA

Events 448K Charge 2.3mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 6.89 (μA)

Run Number: 5029 | I_{beam}: 7 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): 23:16 | Stop time (from RC): 23:51

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.05M | hTRIG3 rate: 11117 | hTRIG4 rate: 5087 | hTRIG5 rate: 5178 | hTRIG6 rate: 2448

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1st 30 min run of LD2

Events 4M Charge 11.5 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.4 % | Max NPS anode current (single crystal): 7.81 (μA)

Run Number: 5030 | I_{beam}: 7 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): 23:52 | Stop time (from RC): 00:25

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.04M | hTRIG3 rate: 10923 | hTRIG4 rate: 5049 | hTRIG5 rate: 5132 | hTRIG6 rate: 2326

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2nd i D2

Events 4.4M Charge 12 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.8 % | Max NPS anode current (single crystal): 7.73 (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 / 3 / 6 (yy / mm / dd) Initials: MD

Kinematics: KinC_x 25-4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +1241.149 From GUI θ(TV): 15.20 Nearest 0.005

SHMS θ(TV): -27.5 Nearest 0.005

NPS θ = SHMS −16.30° 11.2 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 = ____ Amp | NPS Upstream Corr. I = ____ Amp

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Run Number: 5031 | I_{beam}: 7 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): 00:26 | Stop time (from RC): 1:03

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.02 MHz | hTRIG3 rate 10921 | hTRIG4 rate 5031 | hTRIG5 rate 5066 | hTRIG6 rate 2379

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3rd LD_2

Events 4.85M Charge 13.2C | Active trigger LiveTime fraction (NPS Scaler Gui) 99% | Max NPS anode current (single crystal) 7.75 (μA)

Run Number: 5032 | I_{beam}: 7 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): 1:04 | Stop time (from RC): 1:34

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.03 MHz | hTRIG3 rate 10757 | hTRIG4 rate 4929 | hTRIG5 rate 4975 | hTRIG6 rate 2341

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4th LD_2

Events 4.08M Charge 10.8C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.74% | Max NPS anode current (single crystal) 7.61 (μA)

Run Number: 5033 | I_{beam}: 7 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): 1:35 | Stop time (from RC): 2:05

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.02 MHz | hTRIG3 rate 10841 | hTRIG4 rate 4882 | hTRIG5 rate 4992 | hTRIG6 rate 2323

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 5th LD_2

Events 3.75M Charge 10.1C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.70% | Max NPS anode current (single crystal) 8 (μA)

Run Number: 5034 | I_{beam}: 7 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): 2:06 | Stop time (from RC): 2:37

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.06 MHz | hTRIG3 rate 11272 | hTRIG4 rate 5234 | hTRIG5 rate 5319 | hTRIG6 rate 2484

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 6th LD_2

Events 3.98M Charge 10.5C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.78% | Max NPS anode current (single crystal) 8.01 (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: 24 / 3 / 5 (yy / mm / dd) Initials: MD

Kinematics: KinC_x 25-4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2 x 2

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: +(6)4.149 From GUI θ(TV): 15.20 Nearest 0.005

SHMS θ(TV): -27.5 Nearest 0.005

NPS θ = SHMS −16.30° = 11.2 Nearest 0.005

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = ____ Amp | NPS Upstream Corr. I = ____ Amp

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Run Number: 5035 | I_{beam}: 7 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): 2:38 | Stop time (from RC): 3:07

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.03 MHz | hTRIG3 rate 10847 | hTRIG4 rate 4925 | hTRIG5 rate 5050 | hTRIG6 rate 2322

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7th LD_2.

Events 3.8M | Charge 10.1C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.75% | Max NPS anode current (single crystal) 7.15 (μA)

Run Number: 5036 | beam: 7 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): 3:08 | Stop time (from RC): 3:38

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.04 MHz | hTRIG3 rate 10974 | hTRIG4 rate 5078 | hTRIG5 rate 5200 | hTRIG6 rate 2430

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8th LD_2.

Events 3.8M | Charge 10.4C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.8% | Max NPS anode current (single crystal) 7.4 (μA)

Run Number: 5037 | I_{beam}: 7 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): 3:39 | Stop time (from RC): 4:09

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.03 MHz | hTRIG3 rate 10800 | hTRIG4 rate 5018 | hTRIG5 rate 5114 | hTRIG6 rate 2391

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 9th LD_2.

Events 4.2M | Charge 11.4C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.73 | Max NPS anode current (single crystal) 7.7 (μA)

Run Number: 5038 | I_{beam}: 7 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): 4:10 | Stop time (from RC): 4:40

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.01 MHz | hTRIG3 rate 10630 | hTRIG4 rate 4900 | hTRIG5 rate 4921 | hTRIG6 rate 2336

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ n_sparse_low

Comments: 10th LD_2

Events 3.6M | Charge 9.8C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.7% | Max NPS anode current (single crystal) 7.72 (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 / 3 / 5 (yy / mm / dd) Initials: MD

Kinematics: KinC_x 25_4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 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: +04.149 (From GUI) θ(TV): 15.2 (Nearest 0.005)

SHMS θ(TV): _____ (Nearest 0.005)

NPS θ = SHMS −16.30° : −27.50 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = _____ Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 5039 | I_{beam}: 7 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): 4:42 | Stop time (from RC): 5:13

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.03MHz | hTRIG3 rate 10870 | hTRIG4 rate 4982 | hTRIG5 rate 5163 | hTRIG6 rate 2390

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 11th

Events 3.4M | Charge 9.6C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.86 | Max NPS anode current (single crystal) 7.83 (μA)

Run Number: 5040 | I_{beam}: 7 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): 5:14 | Stop time (from RC): 5:45

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.03MHz | hTRIG3 rate 11001 | hTRIG4 rate 5133 | hTRIG5 rate 5180 | hTRIG6 rate 2386

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 12th

Events 4.1M | Charge 11.0C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.22% | Max NPS anode current (single crystal) 7.82 (μA)

Run Number: 5041 | I_{beam}: 7 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): 5:46 | Stop time (from RC): 6:16

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.03MHz | hTRIG3 rate 10992 | hTRIG4 rate 5123 | hTRIG5 rate 5077 | hTRIG6 rate 2419

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 13th

Events 3.4M | Charge 9.8C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.8% | Max NPS anode current (single crystal) 7.87 (μA)

Run Number: 5042 | I_{beam}: 7 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): 6:17 | Stop time (from RC): 6:48

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.03MHz | hTRIG3 rate 11028 | hTRIG4 rate 5118 | hTRIG5 rate 5140 | hTRIG6 rate 2380

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ n_sparse_low

Comments: 14th

Events 3.9M | Charge 10.6C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.8% | Max NPS anode current (single crystal) 7.79 (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 / 3 / 5 (yy / mm / dd) Initials: ND

Kinematics: KinC_x 25_4

Purpose: ☒ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☒ On ☐ Off Size: 2x2 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: +64.149 From GUI θ(TV): 15.2 Nearest 0.005

SHMS θ(TV): _____ Nearest 0.005

NPS θ = SHMS −16.30° −27.5 Nearest 0.005

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = _____ Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 5043 | I_{beam}: 7 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): 6:49 | Stop time (from RC): 7:01

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.01 MHz | hTRIG3 rate 10758 | hTRIG4 rate 5144 | hTRIG5 rate 5270 | hTRIG6 rate 2496

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 15 hR

Events 1.57M | Charge 4.3 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.6% | Max NPS anode current (single crystal) 7.97 (μA)

Run Number: 5044 | I_{beam}: _____ μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.I ☐ _____

PS1: -1 PS2: 0 PS3: -1 PS4: -1 PS5: -1 PS6: -1

Start time (from RC): 7:07 | Stop time (from RC): 7:47

☑ 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: LED coin_vld.

Events _____ | Charge _____ C | Active trigger LiveTime fraction (NPS Scaler Gui) | Max NPS anode current (single crystal) 2.89 (μA)

Run Number: 5045 | I_{beam}: _____ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.I ☐ out of beam

PS1: -1 PS2: -1 PS3: 0 PS4: -1 PS5: -1 PS6: -1

Start time (from RC): 14:06 | 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: Cosmic run. coin_sparse config.

Events 3.107 | Charge _____ C | Active trigger LiveTime fraction (NPS Scaler Gui) | Max NPS anode current (single crystal) (μA)

5046 – junk

Run Number: 5047 | I_{beam}: 0 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☒ C 0.5% rl.I LED

PS1: -1 PS2: 0 PS3: -1 PS4: -1 PS5: -1 PS6: -1

Start time (from RC): 16:14 | Stop time (from RC): 16:51

☐ 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: LED coin_vld

Events 389k | Charge 0 C | Active trigger LiveTime fraction (NPS Scaler Gui) | Max NPS anode current (single crystal) 5.2 (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: 24/03/06 (yy/mm/dd) Initials: JOH

Kinematics: KinC_x 25-4

Purpose: ☒ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: _____

Beam position and angle on target:

	X	Y
3H07A	_____ mm (Nomin:)	_____ mm (Nomin:)
3H07C	_____ mm (Nomin:)	_____ mm (Nomin:)

HMS p: +/- 4.149 From GUI; θ(TV): 15.2 Nearest 0.005

SHMS θ(TV): _____ Nearest 0.005

NPS θ = SHMS −16.30°; −27.5 Nearest 0.005

Collimator: HMS: Large ☒ Sieve ☐; NPS Sweep Magnet I = 468 Amp; NPS Upstream Corr. I = _____ Amp; NPS Upstream Corr. I = _____ Amp

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Run Number: 5048 — I_{beam}: 0 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☒ LED

PS1: -1 PS2: 0 PS3: -1 PS4: -1 PS5: -1 PS6: -1

Start time (from RC): 16:52 — Stop time (from RC): 17:30

☒ 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 coin_vld

Events 389K Charge 0 C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 5049 — I_{beam}: 0 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☒ LED

PS1: -1 PS2: 0 PS3: -1 PS4: -1 PS5: -1 PS6: -1

Start time (from RC): 17:31 — Stop time (from RC): 18:19

☒ 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: → LED coin_vld

Events 390K Charge 0 C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 5050 — I_{beam}: 0 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☒ LED

PS1: -1 PS2: 0 PS3: -1 PS4: -1 PS5: -1 PS6: -1

Start time (from RC): 18:20 — Stop time (from RC): 19:09

☒ 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 coin_vld

Events 387K Charge 0 C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 5.27 (μA)

Run Number: 5051 — I_{beam}: 5 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☑ E-Helo

PS1: -1 PS2: -1 PS3: 0 PS4: -1 PS5: -1 PS6: -1

Start time (from RC): 3:00 — Stop time (from RC): 3:07

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 46725 | hTRIG3 rate: 307 | hTRIG4 rate: 174 | hTRIG5 rate: 60 | hTRIG6 rate: 48

☒ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Beam Halo check.

Events _____ Charge 2.0 C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 5.7 (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 / 3 / 7 (yy / mm / dd) Initials: MD

Kinematics: KinC_x25-4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.7 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.7 mm (Nomin:)	0.3 mm (Nomin:)

HMS p: +4.149 (From GUI) θ(TV): 15.2 (Nearest 0.005)

SHMS θ(TV): −27.5 (Nearest 0.005)

NPS θ = SHMS −16.30° (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = _____ Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 5052 | I_{beam}: 7 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): 3:17 | Stop time (from RC): 3:47

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.09MHz | hTRIG3 rate: 10706 | hTRIG4 rate: 4989 | hTRIG5 rate: 5225 | hTRIG6 rate: 2410

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 15 GR

Events 4.1M | Charge 10.8 μC | Active trigger LiveTime fraction (NPS Scaler Gui): 98.3 % | Max NPS anode current (single crystal): 7.6 (μA)

Run Number: 5053 | I_{beam}: 7 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): 3:49 | Stop time (from RC): 3:55

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 2.08MHz | hTRIG3 rate: 10988 | hTRIG4 rate: 5195 | hTRIG5 rate: 5660 | hTRIG6 rate: 2553

☐ Data ok ☑ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: ~~GR~~ DAQ crash

Events _____ | Charge _____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 98.5% | Max NPS anode current (single crystal): 7.7 (μA)

Run Number: 5054 | I_{beam}: 7 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): 3:57 | Stop time (from RC): 4:28

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.1 | hTRIG3 rate: 11115 | hTRIG4 rate: 5174 | hTRIG5 rate: 5476 | hTRIG6 rate: 2472

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 16 GR

Events 4.348 | Charge 9.58 C | Active trigger LiveTime fraction (NPS Scaler Gui): 97.9 % | Max NPS anode current (single crystal): 7.56 (μA)

Run Number: 5055 | I_{beam}: 5 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): 4:29 | Stop time (from RC): 4:50

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.62MHz | hTRIG3 rate: 8058 | hTRIG4 rate: 3683 | hTRIG5 rate: 2972 | hTRIG6 rate: 1384

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 1.67M | Charge 5.84 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.8% | Max NPS anode current (single crystal): 5.9 (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 / 3 / 7 (yy / mm / dd) Initials: MD

Kinematics: KinC_x25_4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	3H07A Y
1.7 mm Nomin:	0.3 mm Nomin:
3H07C X	3H07C Y
0.7 mm Nomin:	0.3 mm Nomin:

HMS: p: +6.149 From GUI; θ(TV): 15.2 Nearest 0.005

SHMS: θ(TV): −27.5 Nearest 0.005

NPS: θ = SHMS −16.30° Nearest 0.005

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 463 Amp | NPS Upstream Corr. I = ____ Amp | NPS Upstream Corr. I = ____ Amp

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Run Number: 5056 | I_{beam}: 4 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: 6

Start time (from RC): 4:51 | Stop time (from RC): 5:23

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate 1.33MHz | hTRIG3 rate 6380 | hTRIG4 rate 2985 | hTRIG5 rate 1934 | hTRIG6 rate 963

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments:

Events 1.47M | Charge 6.64C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.93 % | Max NPS anode current (single crystal) 5.98 (μA)

Run Number: 5057 | I_{beam}: 7 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: −1

Start time (from RC): 5:26 | Stop time (from RC): 5:45

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate 2.07MHz | hTRIG3 rate 11073 | hTRIG4 rate 5088 | hTRIG5 rate 5195 | hTRIG6 rate 2432

Data ok ☒ | Junk ☑

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments:

Events 2.5M | Charge 6.49C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.63 % | Max NPS anode current (single crystal) 7.64 (μA)

Run Number: 5058 | I_{beam}: 7 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: 3

Start time (from RC): 6:15 | Stop time (from RC): 6:31

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate 2.06MHz | hTRIG3 rate 10991 | hTRIG4 rate 5051 | hTRIG5 rate 5290 | hTRIG6 rate 2498

Data ok ☑ | Junk ☐

coin_sparse ☐ | coin ☑ | coin_sparse_low ☐

Comments:

Events 441K | Charge 6.16C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.96 % | Max NPS anode current (single crystal) 7.9 (μA)

Run Number: 5059 | I_{beam}: 14 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): 6:36 | Stop time (from RC): 7:06

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate 1.56MHz | hTRIG3 rate 6896 | hTRIG4 rate 3451 | hTRIG5 rate 2467 | hTRIG6 rate 1285

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 1st

Events 2M | Charge ____C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.69 % | Max NPS anode current (single crystal) 9.24 (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 / 3 / 7 (yy / mm / dd) Initials: MD

Kinematics: KinC_x 25_4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2×2

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:

HMS p: +04.145 (From GUI) θ(TV): 15.2 (Nearest 0.005)

SHMS θ(TV): -27.5 (Nearest 0.005)

NPS θ = SHMS −16.30° (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = ____ Amp | NPS Upstream Corr. I = ____ Amp

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Run Number: 5060 | I_{beam}: 14 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): 7:07 | Stop time (from RC): 7:37

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.58 MHz | hTRIG3 rate: 6785 | hTRIG4 rate: 3450 | hTRIG5 rate: 2430 | hTRIG6 rate: 1287

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2nd

Events 1.88M | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.64 % | Max NPS anode current (single crystal): 9.45 (μA)

Run Number: 5061 | I_{beam}: 14 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): 7:38 | Stop time (from RC): ~7:44

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.55 MHz | hTRIG3 rate: 6819 | hTRIG4 rate: 3423 | hTRIG5 rate: 2375 | hTRIG6 rate: 1276

☐ Data ok ☑ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: ~~3rd~~ DAQ crash.

Events ____ | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.81 % | Max NPS anode current (single crystal): 9.21 (μA)

Run Number: 5062 | I_{beam}: 14 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): 7:46 | Stop time (from RC): 8:17:06

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.6 MHz | hTRIG3 rate: 6976 | hTRIG4 rate: 3471 | hTRIG5 rate: 2488 | hTRIG6 rate: 1282

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3rd 3/8

Events 2.2M | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.78 % | Max NPS anode current (single crystal): 9.02 (μA)

Run Number: 5063 | I_{beam}: 14 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ____

PS1: ____ PS2: ____ PS3: 1 PS4: ____ PS5: ____ PS6: 0

Start time (from RC): 8:19:27 | Stop time (from RC): 8:49:51

☑ Settings Verified? ☐ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.57×10^6 | hTRIG3 rate: 6795 | hTRIG4 rate: 3515 | hTRIG5 rate: 2331 | hTRIG6 rate: 1257

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/8

Events 1.9M | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 99% | Max NPS anode current (single crystal): 8.63 (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 / 03 / 07 (yy / mm / dd) Initials: AH

Kinematics: KinC_x 2.5_4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2mm x 2mm

HMS p: +/- -4.149 (From GUI) θ(TV): 15.2 (Nearest 0.005)

SHMS θ(TV): -27.5 (Nearest 0.005)

NPS θ = SHMS −16.30° (Nearest 0.005)

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: 5064 | I_{beam}: 14 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): 8:51:19 | Stop time (from RC): 9:22:56

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate 1.54 MHz | hTRIG3 rate 6851 | hTRIG4 rate 3551 | hTRIG5 rate 2506 | hTRIG6 rate 1278

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 5/8

Events 2.0M | Charge ___ C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.73% | Max NPS anode current (single crystal) 8.91 (μA)

Run Number: 5065 | I_{beam}: 14 μA

LH2 10cm ☑ | LD2 10cm ☐ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl ☐

PS1: | PS2: | PS3: 1 | PS4: | PS5: | PS6: 0

Start time (from RC): 9:24:10 | Stop time (from RC): 10:03:41

Settings Verified? ☑ | HV OK? ☐ | 50k OK? ☑

hTRIG1 rate 1.53 MHz | hTRIG3 rate 6725 | hTRIG4 rate 3519 | hTRIG5 rate 2482 | hTRIG6 rate 8782 (~~8778~~)

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 6/8

Events 1.5 | Charge ___ C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.89% | Max NPS anode current (single crystal) 8.71 (μA)

Run Number: 5066 | I_{beam}: 14 μA

LH2 10cm ☑ | LD2 10cm ☐ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl ☐

PS1: | PS2: | PS3: 1 | PS4: | PS5: | PS6: 0

Start time (from RC): 10:05:01 | Stop time (from RC): 10:40:57

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate 1.56 MHz | hTRIG3 rate 6927 | hTRIG4 rate 3512 | hTRIG5 rate 2546 | hTRIG6 rate 1341

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 7/8

Events 2.1M | Charge ___ C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.94 | Max NPS anode current (single crystal) 8.15 (μA)

Run Number: 5067 | I_{beam}: 14 μA

LH2 10cm ☑ | LD2 10cm ☐ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl ☐

PS1: | PS2: | PS3: 1 | PS4: | PS5: | PS6: 0

Start time (from RC): 10:42:27 | Stop time (from RC): 11:04:27

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate 1.51 MHz | hTRIG3 rate 6672 | hTRIG4 rate 3373 | hTRIG5 rate 2286 | hTRIG6 rate 1240

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 8/8 only 4 mnts of beam

Events 0.46M | Charge ___ C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.786 | Max NPS anode current (single crystal) 8.99 (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 / 03 / 07 (yy / mm / dd) Initials: AA

Kinematics: KinC_x25_4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2mm X 2mm

HMS p: +/- -4.149 (From GUI) θ(TV): 15.2 (Nearest 0.005)

SHMS θ(TV): -27.5 (Nearest 0.005)

NPS θ = SHMS −16.30° (Nearest 0.005)

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 = ____ Amp

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Run Number: 5068 | 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): 11:55:44 | Stop time (from RC): 12:21:30

☐ 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: 8/8 additional Beam for very short time

Events 0.06 M Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 5069 | 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): 15:02:07 | Stop time (from RC): ____

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.15 MHz | hTRIG3 rate: 4936 | hTRIG4 rate: 2580

hTRIG5 rate: 1305 | hTRIG6 rate: 692

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: at 10 μA for 20 mnts

Events ____ Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.56%

Max NPS anode current (single crystal): 6.50 (μA)

Run Number: 5071 | 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): 15:30:22 | Stop time (from RC): ____

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 6.02×10⁵ | hTRIG3 rate: 2902 | hTRIG4 rate: 1495

hTRIG5 rate: 526 | hTRIG6 rate: 271

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Frequent beam trips! Need to readjust

Events ____ Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.94%

Max NPS anode current (single crystal): 6.45 (μA)

Run Number: 5072 | 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): 16:16 | 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)

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24 / 03 / 07 (yy / mm / dd) Initials: PD

Kinematics: KinC_x 25_4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2 x 2

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: +/- 4.149 (From GUI) θ(TV): 15.2 (Nearest 0.005)

SHMS θ(TV): 27.499 (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: 5073 | 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): 16:52 | Stop time (from RC): 17:23

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 6.6×10^5 | hTRIG3 rate 3 kHz | hTRIG4 rate 1.5 kHz | hTRIG5 rate 526 Hz | hTRIG6 rate 300 Hz

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 525K | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 5.56 (μA)

Run Number: 5074 | I_{beam}: ____ μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: 1 PS2: 1 PS3: 1 PS4: 3 PS5: 1 PS6: 1

Start time (from RC): 17: | 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: CODA ISSUES

Events ____ | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui) | Max NPS anode current (single crystal) (μA)

Run Number: 5075 | I_{beam}: 14 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: 1 PS2: 1 PS3: 1 PS4: 3 PS5: 1 PS6: 1

Start time (from RC): 17:29 | Stop time (from RC): 17:51

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.6 MHz | hTRIG3 rate 6.7 kHz | hTRIG4 rate 3.5 kHz | hTRIG5 rate 2.5 kHz | hTRIG6 rate 1.3 kHz

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: DATA RATE 25 MByte/sec

Events 859K | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 9.24 (μA)

Run Number: 5076 | I_{beam}: 14 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): 17:53 | Stop time (from RC): 18:12

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.5 MHz | hTRIG3 rate 6.7 kHz | hTRIG4 rate 3.5 kHz | hTRIG5 rate 2.3 kHz | hTRIG6 rate 1.3 kHz

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: We finished successfully w/ data rate 500 MB/sec

Events 1273K | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 9.07 (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 / 03 / 07 (yy / mm / dd) Initials: PD

Kinematics: KinC_x 25.4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.531 GeV

Raster: ☑ On ☐ Off Size: 2 x 2

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: +/- 4.149 (From GUI) θ(TV): 15.2 (Nearest 0.005)

SHMS

θ(TV): 27.409 (Nearest 0.005)

NPS

θ = SHMS −16.30° (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

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Run Number: 5077

I_{beam}: 14 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): 18:23

Stop time (from RC): 18:59

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.3 MHz | hTRIG3 rate: 8 kHz | hTRIG4 rate: 3.8 kHz

hTRIG5 rate: 4.3 kHz | hTRIG6 rate: 2 kHz

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events: 3490K Charge: ____C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.4%

Max NPS anode current (single crystal): 12.57 (μA)

Run Number: 5078

I_{beam}: 7 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): 19:00

Stop time (from RC): 19:22

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 0.8 MHz | hTRIG3 rate: 4 kHz | hTRIG4 rate: 1.9 kHz

hTRIG5 rate: 807 Hz | hTRIG6 rate: 407 Hz

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events: 513K Charge: ____C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9

Max NPS anode current (single crystal): 6.49 (μA)

Run Number: 5079

I_{beam}: 7 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): 19:32

Stop time (from RC): 20:09

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2 MHz | hTRIG3 rate: 11.2 kHz | hTRIG4 rate: 5 kHz

hTRIG5 rate: 5 kHz | hTRIG6 rate: 5.4 kHz

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/16 Data Rate: 125 MB/sec

Events: 4823K Charge: ____C

Active trigger LiveTime fraction (NPS Scaler Gui): 95.5%

Max NPS anode current (single crystal): 7.55 (μA)

Run Number: 5080

I_{beam}: 7 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): 20:10

Stop time (from RC): 20:40

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2 MHz | hTRIG3 rate: 10.8 kHz | hTRIG4 rate: 4.9 kHz

hTRIG5 rate: 4.9 kHz | hTRIG6 rate: 2.3 kHz

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/16

Events: 4803K Charge: ____C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.7%

Max NPS anode current (single crystal): 7.54 (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: 24 / 03 / 07 (yy / mm / dd) Initials: PD

Kinematics: KinC_x 25-4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A	X: 1.7 mm (Nomin:)	Y: 0.3 mm (Nomin:)
3H07C	X: 0.7 mm (Nomin:)	Y: 0.3 mm (Nomin:)

HMS p: +4.149 (From GUI) θ(TV): 15.2 (Nearest 0.005)

SHMS θ(TV): 27.499 (Nearest 0.005)

NPS θ = SHMS −16.30° (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 165 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 5081 | I_{beam}: 7 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): 20:41 | Stop time (from RC): 20:55

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2 MHz | hTRIG3 rate: 11.3 kHz | hTRIG4 rate: 5 kHz | hTRIG5 rate: 5 kHz | hTRIG6 rate: 2.3 kHz

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: We stopped a little early to figure out some 50k issues 3/16

Events: 2400k Charge: ___C

Active trigger LiveTime fraction (NPS Scaler Gui): 97.8%

Max NPS anode current (single crystal): 7.5 (μA)

Run Number: 5082 | I_{beam}: 7 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): 20:56 | Stop time (from RC): 21:27

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2 MHz | hTRIG3 rate: 11 kHz | hTRIG4 rate: 5 kHz | hTRIG5 rate: 5 kHz | hTRIG6 rate: 2.4 kHz

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/16

Events: 4277k Charge: ___C

Active trigger LiveTime fraction (NPS Scaler Gui): 98.5%

Max NPS anode current (single crystal): 6.92 (μA)

Run Number: 5083 | I_{beam}: 7 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): 21:28 | Stop time (from RC): 22:01

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2 MHz | hTRIG3 rate: 11 kHz | hTRIG4 rate: 5.2 kHz | hTRIG5 rate: 5.4 kHz | hTRIG6 rate: 2.5 kHz

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/16

Events: 4177K Charge: ___C

Active trigger LiveTime fraction (NPS Scaler Gui): 99%

Max NPS anode current (single crystal): 7.8 (μA)

Run Number: 5084 | I_{beam}: 7 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): 22:02 | Stop time (from RC): 22:34

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.8 MHz | hTRIG3 rate: 11 kHz | hTRIG4 rate: 4.9 kHz | hTRIG5 rate: 4.9 kHz | hTRIG6 rate: 2.3 kHz

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/16

Events: 4126K Charge: ___C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.3%

Max NPS anode current (single crystal): 7.42 (μA)

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 24 / 03 / 07 (yy / mm / dd) **Initials:** PT

Use a separate sheet for each configuration.

Kinematics: KinC_x 25_4

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: ______

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 10.537 **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: +/- 4.142 (From GUI) θ(TV): 15.2 (Nearest 0.005)

SHMS θ(TV): 27.499 (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	I_{beam}	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
5085	7 µA	LD2 10cm [x]	PS1: -1, PS2: -1, PS3: -1, PS4: -1, PS5: -1, PS6: 0	22:34	22:55	[x]	[x]	[x]	2 MHz	11 kHz	5 kHz	5 kHz	2.5 kHz	Data ok [x]
5086	7 µA	LD2 10cm [x]	PS1: -1, PS2: -1, PS3: -1, PS4: -1, PS5: -1, PS6: 0	23:06	23:50	[x]	[x]	[x]	2 MHz	11 kHz	4.8 kHz	4.9 kHz	2.3 kHz	Data ok [x]
5087	7 µA	LD2 10cm [x]	PS1: -1, PS2: -1, PS3: -1, PS4: -1, PS5: -1, PS6: 0	23:51	00:23	[x]	[x]	[x]	2 MHz	11 kHz	4.9 kHz	5 kHz	2.3 kHz	Data ok [x]
5088	7 µA	LD2 10cm [x]	PS1: -1, PS2: -1, PS3: -1, PS4: -1, PS5: -1, PS6: 0	00:25	00:56	[x]	[x]	[x]	2.03 M	11.3 K	5113	5229	2441	Data ok [x]

Run Number	Trigger	Comments	Events	Charge	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (µA)
5085	coin_sparse [x]	STOPPED EARLY ! NO BEAM FOR >10 mins. 7/16	1008k	___ C	98.4%	7.56
5086	coin_sparse [x]	8/16	558k	___ C	98.2%	7.37
5087	coin_sparse [x]	9/16	4M	___ C	98.5%	7.5
5088	coin_sparse [x]	10/16	3.7M	___ C	98.9%	7.68

Target options: LH2 10cm, LD2 10cm, Dummy 10cm, Optics#1 8cm, C 0.5% rl.l. Trigger options: coin_sparse, coin, coin_sparse_low.

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24 / 3 / 08 (yy / mm / dd) Initials: CM

Kinematics: KinC_x25_4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 mm²

Beam position and angle on target:

	X	Y
3H07A	1.750 mm (Nomin:)	0.307 mm (Nomin:)
3H07C	0.691 mm (Nomin:)	0.301 mm (Nomin:)

HMS p: +/- 4.149 (From GUI) θ(TV): 15.2 (Nearest 0.005)

SHMS θ(TV): 27.5 (Nearest 0.005)

NPS θ = SHMS −16.30° 11.2 (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: 5089 | I_{beam}: 7 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): 00:59 | Stop time (from RC): 01:29

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.01 M | hTRIG3 rate: 11.0 K | hTRIG4 rate: 5030 | hTRIG5 rate: 4983 | hTRIG6 rate: 2344

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 11 / 16

Events 4 M | Charge 11 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 98.6 % | Max NPS anode current (single crystal): 7.37 (μA)

Run Number: 5090 | I_{beam}: 7 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): 01:31 | Stop time (from RC): 02:01

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.01 M | hTRIG3 rate: 11.0 K | hTRIG4 rate: 5065 | hTRIG5 rate: 5028 | hTRIG6 rate: 2360

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 12 / 16

Events 4 M | Charge 11 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 98.6 % | Max NPS anode current (single crystal): 7.57 (μA)

Run Number: 5091 | I_{beam}: 7 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): 02:03 | Stop time (from RC): 02:34

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.00 M | hTRIG3 rate: 10.9 K | hTRIG4 rate: 5091 | hTRIG5 rate: 5010 | hTRIG6 rate: 2335

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 13 / 16

Events 4 M | Charge 11 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 98.2 % | Max NPS anode current (single crystal): 7.49 (μA)

Run Number: 5092 | I_{beam}: 7 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): 02:36 | Stop time (from RC): 03:36

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.00 M | hTRIG3 rate: 10.9 K | hTRIG4 rate: 5019 | hTRIG5 rate: 5015 | hTRIG6 rate: 2271

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 14 / 16

Events 4 M | Charge 11 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 97.2 | Max NPS anode current (single crystal): 7.67 (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 / 03 / 05 (yy / mm / dd) Initials: CH

Kinematics: KinC_x 25_4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.537 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 mm²

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.700 mm	0.287 mm	0.187 mm	0.297 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS p: +/- 4.149 (From GUI) θ(TV): 15.2 (Nearest 0.005)

SHMS θ(TV): 27.5 (Nearest 0.005)

NPS θ = SHMS −16.30° = 11.2 (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: 5093 | I_{beam}: 7 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: C

Start time (from RC): 03:08 | Stop time (from RC): 03:39

Settings Verified? ☑ HV OK? ☑ 50k OK? ☐

hTRIG1 rate: 2.03 M | hTRIG3 rate: 11.0 K | hTRIG4 rate: 5099 | hTRIG5 rate: 5104 | hTRIG6 rate: 2406

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 15/16

Events 4M | Charge 11m C

Active trigger LiveTime fraction (NPS Scaler Gui): 94.8 %

Max NPS anode current (single crystal): 7.62 (μA)

Run Number: 5094 | I_{beam}: 7 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): 03:41 | Stop time (from RC): 04:11

Settings Verified? ☑ HV OK? ☑ 50k OK? ☑

hTRIG1 rate: 2.02 M | hTRIG3 rate: 11.0 K | hTRIG4 rate: 5111 | hTRIG5 rate: 5144 | hTRIG6 rate: 2335

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 16/16

Events 4M | Charge 11m C

Active trigger LiveTime fraction (NPS Scaler Gui): 98.1 %

Max NPS anode current (single crystal): 7.44 (μA)

Run Number: 5095 | I_{beam}: 7 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): 04:13 | Stop time (from RC): 04:30

Settings Verified? ☑ HV OK? ☑ 50k OK? ☑

hTRIG1 rate: 2.03 M | hTRIG3 rate: 11.1 K | hTRIG4 rate: 5115 | hTRIG5 rate: 5243 | hTRIG6 rate: 2419

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 16-min Extra run for run # 5081.

Events 2.2M | Charge 6m C

Active trigger LiveTime fraction (NPS Scaler Gui): 98.2 %

Max NPS anode current (single crystal): 7.79 (μA)

Run Number: 5096 | I_{beam}: 5 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): 04:36 | Stop time (from RC): 04:57

Settings Verified? ☑ HV OK? ☐ 50k OK? ☑

hTRIG1 rate: 1.55 M | hTRIG3 rate: 7971 | hTRIG4 rate: 3616 | hTRIG5 rate: 2692 | hTRIG6 rate: 1285

Data ok ☐ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 20 min at 5nA

Events 1.4M | Charge 5.4mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.7

Max NPS anode current (single crystal): 5.84 (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: 04/03/08 (yy/mm/dd) Initials: CM

Kinematics: KinC_x 25-4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.557 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 mm²

Beam position and angle on target:

	X	Y
3H07A	1.699 mm (Nomin:)	0.307 mm (Nomin:)
3H07C	0.703 mm (Nomin:)	0.291 mm (Nomin:)

HMS p: +/- 4.149 (From GUI) θ(TV): 15.2 (Nearest 0.005)

SHMS θ(TV): 27.5 (Nearest 0.005)

NPS θ = SHMS −16.30° = 11.2 (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: 5097 | I_{beam}: 4 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): 05:00 | Stop time (from RC): 05:35

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.23M | hTRIG3 rate 617 | hTRIG4 rate 2903 | hTRIG5 rate 1786 | hTRIG6 rate 831

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 30-min run at 4 nA

Events 1.5M | Charge 1 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 5.94 (μA)

Run Number: 5098 | I_{beam}: 7 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 3 PS5: -1 PS6: -1

Start time (from RC): 05:38 | Stop time (from RC): 06:01

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.04M | hTRIG3 rate 11.1K | hTRIG4 rate 5136 | hTRIG5 rate 5177 | hTRIG6 rate 2453

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 26-min run at 7 μA

Events 1.3M | Charge 8m C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 7.45 (μA)

Run Number: 5101 | I_{beam}: 7 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): 06:08 | Stop time (from RC): 06:24

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.03M | hTRIG3 rate 11.1K | hTRIG4 rate 5099 | hTRIG5 rate 5155 | hTRIG6 rate 2349.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☑ coin_sparse_low ☐

Comments: 15-min run at 7 μA

Events 429K | Charge 6m C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9 | Max NPS anode current (single crystal) 7.64 (μA)

Run Number: 5102 | 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: Unstable beam

Events _____ | Charge _____ C | Active trigger LiveTime fraction (NPS Scaler Gui) _____ | Max NPS anode current (single crystal) _____ (μA)